

DRAWING INDEX	
SHEET NUMBER	DRAWING TITLE
C000	COVER SHEET
C200	SANITARY SEWER PLAN AND PROFILE
C201	SANITARY SEWER SERVICE CONNECTION DETAILS 1
C202	SANITARY SEWER NOTES AND DETAILS 2

SANITARY SEWER LINE CONNECTION

PROJECT NO. XXXXXXXX

LONGVIEW CAMPGROUND

1499 SW COUNTY PARK RD

SECTION 9, T47N, R32W

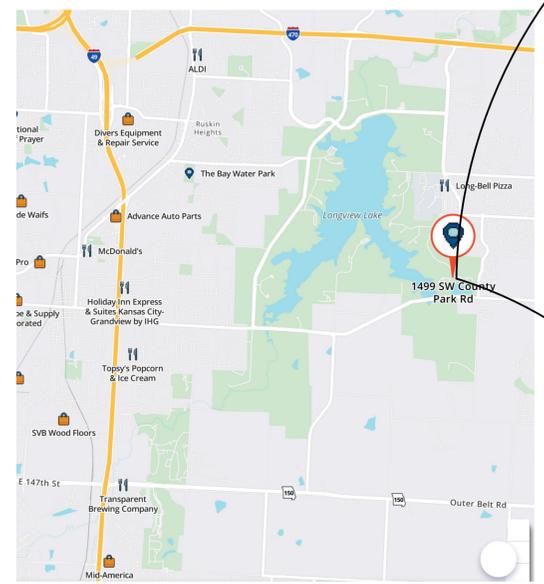
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081



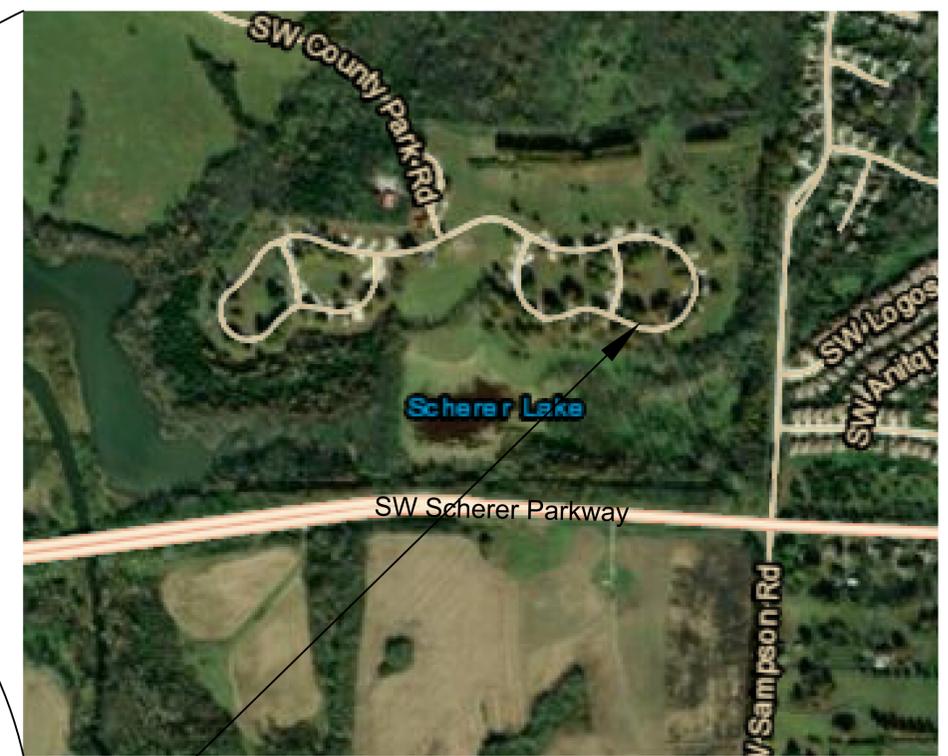
SANITARY SEWER QUANTITIES:	
160 LF	4" SERVICE LINE PVC
1 EA	4"x15" SERVICE LINE WYE OR TEE
2 EA	4"x4" SERVICE LINE WYE OR TEE
1 EA	4" CLEANOUT
1 LUMP SUM	PREPARATION OF AS BUILT DRAWINGS

DATE:	NO:	REVISIONS:

PROJECT NUMBER	CLDPIR-XXXX-XXXX
DRAWN BY:	CB
CHECKED BY:	RO
APPROVED BY:	RO
DATE:	12/16/2025
SCALE:	NOT TO SCALE



VICINITY MAP



LOCATION MAP

PROJECT LOCATION

DATE _____
NAME _____

EROSION CONTROL

DATE DECEMBER 4, 2025

DR. RAYMOND A. OKUAGU, PE, SE

CERTIFICATION BLOCK



DATE DECEMBER 4, 2025

DR. RAYMOND A. OKUAGU, PE, SE

REVIEWED BY:

DATE _____
CITY OF KANSAS CITY MISSOURI

AS-BUILT CERTIFICATION

THE POLICY OF THE "PLAN PREPARATION CRITERIA AND PROCEDURE" (PLANS CRITERIA) AND POLICY DOCUMENT NO. 88054 "AS-BUILT DRAWINGS FOR STREAM BUFFER BUILT BY PERMIT STIPULATE THE FOLLOWING REGARDING "AS-BUILT" DRAWINGS:

- DRAWINGS ARE TO BE PROVIDED WITHIN THIRTY (30) CALENDAR DAYS AFTER THE DATE THE "REQUEST FOR AS-BUILTS" LETTER IS ISSUED BY THE CITY TO THE PERMITTEE/CONTRACTOR
- DRAWINGS MUST BE ACCEPTED BY THE CITY BEFORE ANY SERVICE CONNECTIONS WILL BE ALLOWED.
- DRAWINGS ARE PART OF THE PERMIT OBLIGATIONS MAKING THEM THE FINAL AS-BUILT DOCUMENTS.

(ENGINEER'S SIGNATURE)

DATE

DEVELOPER'S CERTIFICATION

I HAVE REVIEWED THESE PLANS AND UNDERSTAND WHAT IS PROPOSED. THE WORK WILL BE ACCOMPLISHED IN ONE CONTRACT WITH A WORK BREAKDOWN AS FOLLOWS:

- SANITARY SEWER IMPROVEMENTS
- _____

ANY INCIDENTAL WORK NOT SPECIFICALLY PERMITTED (I.E. FINAL CLEANUP) WILL BE COMPLETED BY THE GENERAL CONTRACTOR.
THIS EROSION CONTROL PLAN HAS BEEN PLACED IN THE CITY'S FILE FOR THIS PROJECT. THE PLAN APPEARS TO FULFILL THE MISSOURI DEPARTMENT OF NATURAL RESOURCES OF THE CITY. I UNDERSTAND THAT ADDITIONAL EROSION CONTROL MEASURES MAY BE NEEDED IF UNFORESEEN EROSION PROBLEMS ARISE OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED. THE REQUIREMENTS OF THIS PLAN SHALL RUN WITH THE LAND AND BE THE OBLIGATION OF THE LAND OWNER UNTIL SUCH TIME AS THE PLAN IS PROPERLY COMPLETED, MODIFIED, OR VOIDED.

(OWNER'S SIGNATURE)

DATE

ENGINEER'S CERTIFICATION

I CERTIFY THAT THE PROJECT HAS BEEN DESIGNED AND THESE PLANS PREPARED TO MEET OF EXCEED THE DESIGN CRITERIA OF KANSAS CITY, MISSOURI IN CURRENT USAGE, EXCEPT AS INDICATED BELOW:

- EXCEPTION:
- NONE
 - _____
 - _____

(ENGINEER'S SIGNATURE)

DATE

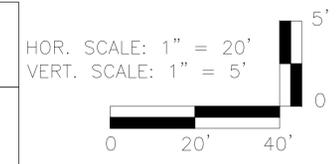
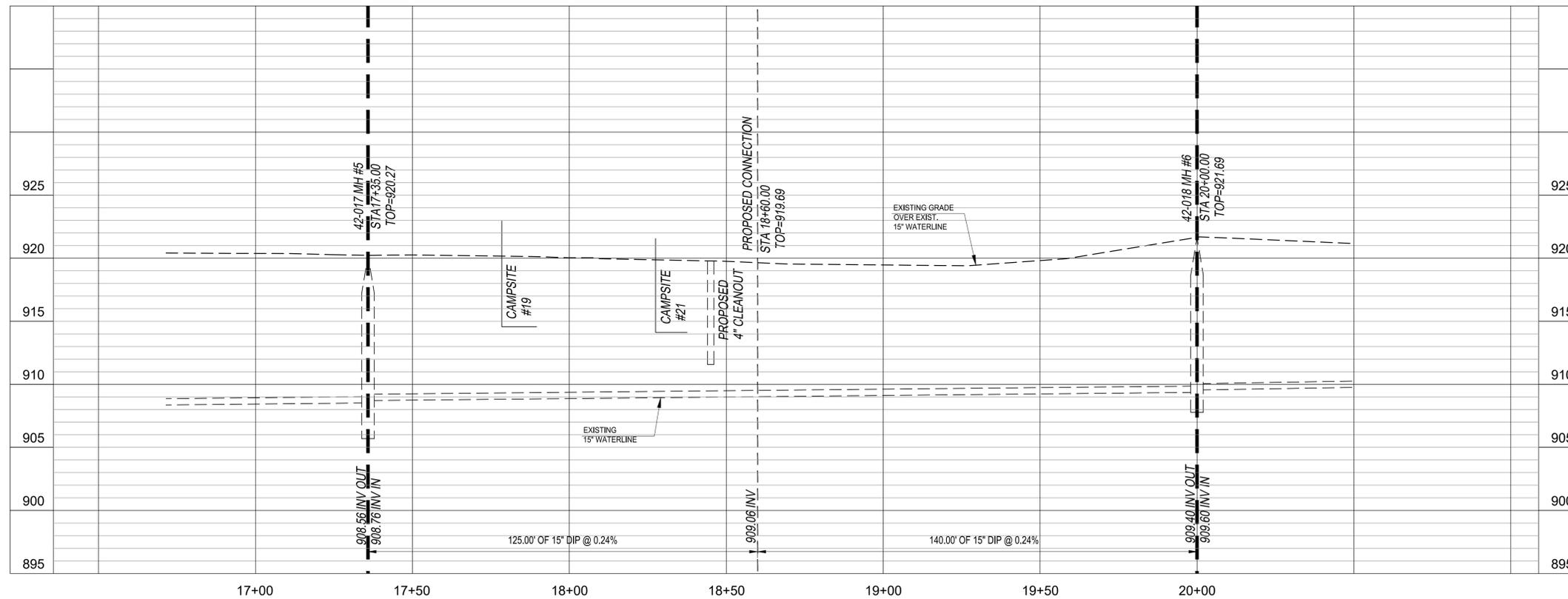
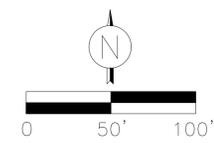
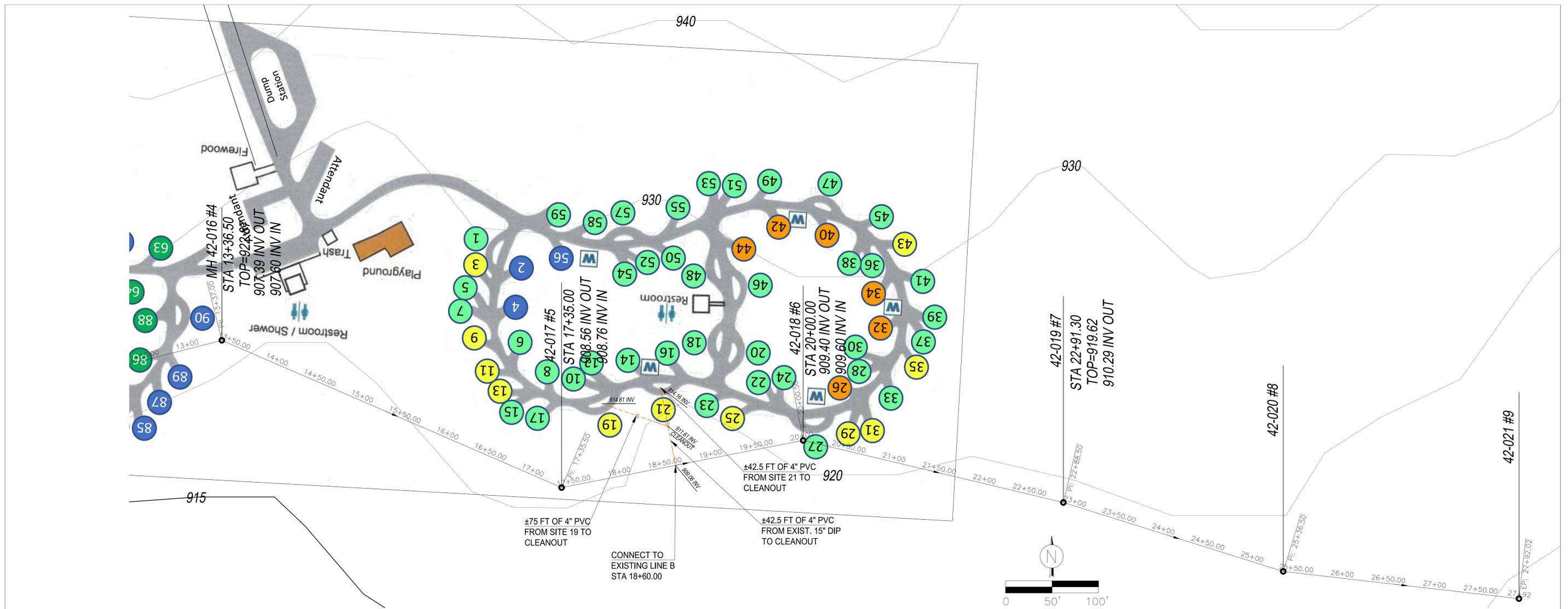
UTILITY CONTACTS

- TIME WARNER CABLE.....816-743-2482
- K.C.P. & L. COMPANY.....816-420-4803
- SPIRE.....1-800-509-4400
- AT&T TELEPHONE COMPANY.....1-800-252-1133
- CHARTER (TIME WARNER CABLE).....913-601-2504
- PUBLIC WORKS DEPARTMENT
- TRANSPORTATION.....816-513-9300
- (AFTER HOURS).....816-804-8093
- UTILITY LOCATION MARKING.....1-800-DIG-RITE
- WATER SERVICES DEPARTMENT
- DISPATCH.....816-513-0209
- (AFTER HOURS).....816-513-8417
- FACILITIES ENGINEERING.....816-513-0364
- SYSTEMS ENGINEERING.....816-513-0291
- GOOGLE FIBER.....1-415-736-6597

FILE NUMBER:
XXX

- NOT FOR CONSTRUCTION
- REVIEWED FOR CONSTRUCTION



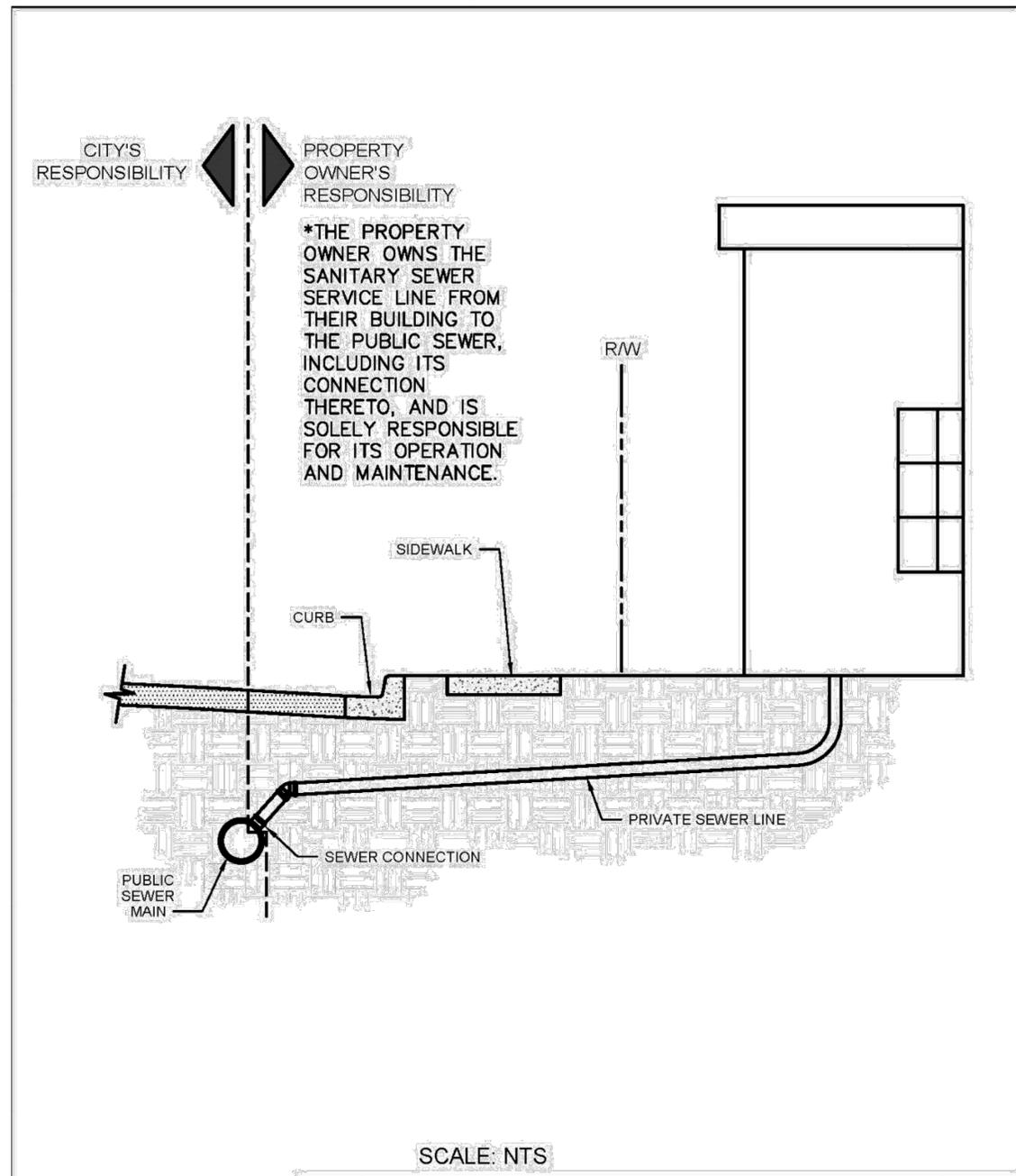


SANITARY SEWER PROFILE
 LONGVIEW CAMPGROUND
 1499 SW COUNTY PARK RD PROJECT NO. XXX
 Lee's Summit, Missouri 64081



DRAWN BY: CB
 CHECKED BY: RO
 APPROVED BY: RO
 DATE: 12/16/2025
 SCALE: NOT TO SCALE

C200



SCALE: NTS

PROPERTY OWNER RESPONSIBILITY

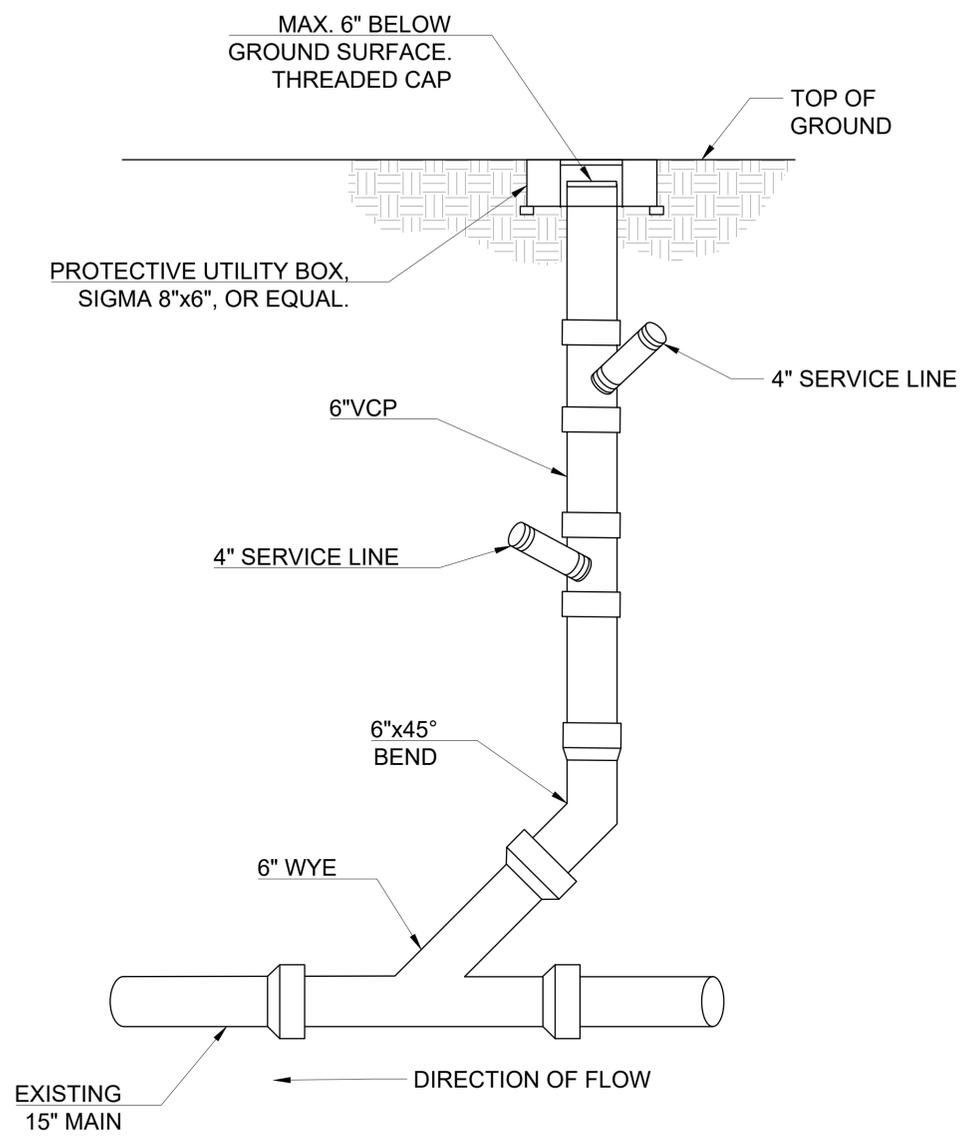
WATER SERVICES
CITY OF KANSAS CITY, MISSOURI
DRAWING NO. **02505-1**

DEVELOPED BY: TECHNICAL ADVISORY COMMITTEE
APPROVED BY: _____
DATE: 3/01/2021

1 OF 1

02505 - 6 of 8
Revised 3/22/21

Kansas City, Missouri
Water Services Department
Standard Specifications



SEWER SERVICE AND CLEANOUT DETAIL



FILE NUMBER:
XXXX

DATE:	NO:	REVISIONS:

**SANITARY SEWER SERVICE CONNECTION
DETAILS 1**
LONGVIEW CAMPGROUND
1499 SW COUNTY PARK RD PROJECT NO. XXX
Lee's Summit, Missouri 64081



DRAWN BY: CB
CHECKED BY: RO
APPROVED BY: RO
DATE: 12/16/2025
SCALE: NOT TO SCALE

C201

SANITARY SEWER SERVICE CONNECTION NOTES:

1. SANITARY SEWER SERVICE LINES AND ITS CONNECTION TO THE PUBLIC SEWER SHALL CONFORM TO ALL REQUIREMENTS SET FORTH BY THE CITY, INCLUDING BUT NOT LIMITED TO , ORDINANCES, STANDARDS, AND SPECIFICATIONS
2. THE CONTRACTOR IS RESPONSIBLE FOR QUALITY CONTROL AND QUALITY ASSURANCE OF THE WORK.
3. ALL WORK SHALL BE PERFORMED BY A CONTRACTOR WITH PROVEN RECORD OF PERFORMANCE OF SIMILAR INSTALLATIONS
4. PACKAGING, HANDLING, DELIVERING, AND STORAGE OF MATERIALS SHALL BE DONE IN ACCORDANCE OF SECTION 02505
5. POLYVINYL CHLORIDE (PVC) OR DUCTILE IRON PIPE (DIP) SHALL BE USED FOR SANITARY SEWER SERVICE LATERALS UNLESS OTHERWISE APPROVED BY THE CITY
6. NO SANITARY SEWER SERVICE LINE SHALL BE CONSTRUCTED WITH AN INSIDE DIAMETER OF LESS THAN FOUR (4) INCHES.
7. DUCTILE IRON PIPE (DIP) SHALL CONFORM TO SECTION 02620 - DUCTILE IRON PIPE FOR SEWERS
8. POLYVINYL CHLORIDE (PVC) PIPE SHALL CONFORM TO SECTION 02624 - POLYVINYL CHLORIDE (PVC) GRAVITY SEWER PIPE
9. ALL FITTINGS SHALL BE FACTORY-PRODUCED AND SHALL BE DESIGNED FOR INSTALLATION ON THE PIPE TO BE USED. FITTINGS SHALL BE OF THE SAME QUALITY AND MATERIAL AS THE PIPE USED
10. ALL COUPLING SHALL BE TIGHT COMPRESSION JOINTS. CONTRACTOR SHALL USE NON-SHEAR FERNCO STRONGBACK 5000 SERIES COUPLINGS, MAXADAPTOR COUPLINGS OR CITY APPROVED EQUAL, WHEN CONNECTING TO THE EXISTING SANITARY SEWER SERVICE LINE
11. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE OSHAA STANDARDS
12. CONTRACTOR SHALL CLEAR THE WORK AREA REQUIRED FOR EXCAVATION IN ACCORDANCE WITH SECTION 02200 - EARTHWORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A PHOTO OR VIDEO LOG OF THE WORK ZONE(S) AND TO PROTECT AND RESTORE THE AREA TO A CONDITION AS GOOD AS OR BETTER THAN IT WAS BEFORE THE WORKS WAS STARTED. ALL REMOVED FENCES; SHRUBBERY, SIDEWALKS, PLANTERS, AND LANDSCAPING SHALL BE RESTORED UTILIZING NEW MATERIALS UNLESS OTHERWISE DIRECTED IN WRITING BY BOTH THE OWNER/OCCUPANT AND THE CITY
13. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL UTILITIES. ALL PERMITS AND LICENSES REQUIRED FOR THE EXECUTION OF THE WORK SHALL BE OBTAINED BY THE CONTRACTOR.
14. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES AT LEAST 48 HOURS IN ADVANCE BEFORE MAKING EXCAVATION IN ACCORDANCE WITH MISSOURI STATE LAW.
15. WHEN WATER MAINS OR WATER SERVICE LINES EXIST IN HE AREA, THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF THE KANSAS CITY, MISSOURI WATER SERVICES DEPARTMENT AND THE MISSOURI STATE BOARD OF HEALTH.
16. THE MAXIMUM TURN PERMISSIBLE AT ANY ON FITTING SHALL BE FORTY-FIVE (45) DEGREES (ONE-EIGHTH ($\frac{1}{8}$) BEND).
17. SANITARY SEWER SERVICE LINES SHALL BE CONNECTED TO A TEE, WYE OR A MANHOLE ON THE PUBLIC SEWER WHEN SUCH IS AVAILABLE. WHERE NO TEE, WYE OR MANHOLE IS AVAILABLE, THE SEWERS SHALL BE TAPPED.
18. OPEN CUT REPLACEMENT OF A SANITARY SEWER SERVICE LINE CONNECTION SHALL BE DONE IN ACCORDANCE WITH DRAWING 02505-3 AND AS DESCRIBED HEREIN.
19. EXCAVATION REQUIRED FOR SANITARY SEWER SERVICE LINES SHALL BE DONE IN ACCORDANCE WITH SECTION 02200 - EARTHWORK EXCEPT AS MODIFIED HEREIN.
20. THE WIDTH OF TRENCH AT THE TOP OF A PIPE SHALL NOT EXCEED THE OUTSIDE DIAMETER OF THE PIPE PLUS EIGHTEEN (18) INCHES.
21. BORING/TUNNELING WILL BE PERMITTED ONLY UNDER EXISTING UTILITIES OR UPON PERMISSION FROM THE WATER SERVICE DEPARTMENT. IF PERMITTED, THE CONTRACTOR SHALL SUBMIT T THE WATER SERVICES DEPARTMENT FOR APPROVAL THE METHOD OF BORING/ TUNNELING, TYPE OF BRACING AND PRECAUTIONS USED TO PREVENT A COLLAPSE.
22. THE CONTRACTOR SHALL DO ALL NECESSARY TRENCH BRACING , SHORING, OR SHEETING TO PREVENT SLIDES OR CAVE-INS. ADDITIONAL SHORING SHEETING, AND BRACING SHALL BE PLACED WHEREVER REQUIRED, AS DETERMINED BY THE WATER SERVICES DEPARTMENT, FOR THE SUCCESSFUL AN SAFE PROSECUTION OF THE WORK.
23. THE GRANULAR EMBEDMENT FOR SANITARY SEWER SERVICE LINES SHALL BE PLACED IN ACCORDANCE WITH SECTION 02250 - TRENCHING, PIPE EMBEDMENT AND BACKFILL.
24. THE SEWER TRENCH IN EARTH EXCAVATION SHALL BE CARRIED TO A POINT NOT LESS THAN FOUR (4) INCHES BELOW OF THE PIPE BARREL AN IN ROCK EXCAVATION TO A POINT NOT LESS THAN SIX (6) INCHES BELOW BOTTOM OF PIPE BARREL
25. THE PIPE BEDDING SHALL BE COMPACTED TO THE BOTTOM OF THE PIPE WITH PROPER ALLOWANCE FOR THE JOINTS. AFTER EACH JOINT OF PIPE HAS BEEN SHOVED "HOME" AND PLACED IN PROPER ALIGNMENT, PIPE EMBEDMENT SHALL BE PLACED AND COMPACTED TO A MINIMUM OF TWELVE (12) INCHES ABOVE THE PIPE BELL. IN NO CASE SHALL BRICK OR OTHER LARGE STONES BE USED AS BEDDING.
26. THE MINIMUM GRADE ALLOWABLE FOR PRIVATE SEWERS IN PUBLIC RIGHT-OF-WAY WILL BE ONE-FOURTH ($\frac{1}{4}$) INCH PER LINEAR FOOT. A GRADE AS LITTLE AS ONE-EIGHTH ($\frac{1}{8}$) INCH PER LINEAR FOOT MAY BE ALLOWED IN SPECIAL CASES UPON WRITTEN PERMISSION FROM THE WATER SERVICES DEPARTMENT. IN NO CASE WILL A PRIVATE SEWER IN PUBLIC RIGHT-OF-WAY BE CONSTRUCTED HAVING A GRADE LESS THAN ONE-EIGHTH ($\frac{1}{8}$) INCH PER LINEAR FOOT.
27. A MINIMUM COVER OF FOUR (4) FEET FROM TOP OF PIPE TO THE FINISH GRADE OF GROUND SURFACE IS REQUIRED FOR ALL SANITARY SEWER SERVICE LINES IN PUBLIC RIGHTS-OF-WAY OR IN UTILITY EASEMENTS UNDER THE CONTROL OF THE CITY FOR SEWER PURPOSES.
28. BACKFILL SHALL BE DONE IN ACCORDANCE WITH SECTION 02250 - TRENCHING, PIPE EMBEDMENT AND BACKFILL.
29. BEDDING MATERIAL SHALL BE PLACED A MINIMUM OF ONE (1) FOOT ABOVE THE TOP OF THE SANITARY SEWER SERVICE LINE. SUCH MATERAL SHALL BE CAREFULLY TAMPED AROUND THE PIPE BY HAND OR MECHANICAL TAMPERS.
30. SITE RESTORATION SHALL BE DONE IN ACCORDANCE WITH SECTION 02575 - SURFACE RESTORATION. ALL PAVEMENT, SURFACING, DRIVEWAYS, SIDEWALKS, CURB, GUTER, SOD, LANDSCAPE AND ALL OTHER SURFACE STRUCTURES AFFECTED BY THE WORK SHALL BE RESTORE.



FILE NUMBER:

XXXX

DATE:	NO:	REVISIONS:

**SANITARY SEWER SERVICE CONNECTION
 DETAILS 2**
 LONGVIEW CAMPGROUND
 1499 SW COUNTY PARK RD PROJECT NO. XXX
 Lee's Summit, Missouri 64081



DRAWN BY: CB
 CHECKED BY: RO
 APPROVED BY: RO
 DATE: 12/16/2025
 SCALE: NOT TO SCALE

C202