

**CONTACT INFORMATION**

**OWNER / DEVELOPER**

OWNER: SOUTH LAKE ST. LOUIS PARTNERS  
 REPRESENTATIVE: CHRIS MANISCALCO  
 ADDRESS: 308 TCW COURT, LAKE ST. LOUIS, MO 63367  
 PHONE: (636) 561-5990

**WATER**

OWNER: PWSO NO. 2  
 REPRESENTATIVE: BILL SHIRLEY  
 ADDRESS: 100 WATER TOWER DRIVE, O'FALLON, MO 63366  
 PHONE: (636) 561-3737

**SEWER**

OWNER: PWSO NO. 2  
 REPRESENTATIVE: BILL SHIRLEY  
 ADDRESS: 100 WATER TOWER DRIVE, O'FALLON, MO 63366  
 PHONE: (636) 561-3737

**ELECTRIC**

OWNER: CUIVRE RIVER  
 REPRESENTATIVE: STAN WINKLE  
 ADDRESS: P.O. BOX 160, TROY, MO 63379  
 PHONE: (636) 528-8261

**GAS**

OWNER: LACLEDE GAS  
 REPRESENTATIVE: PAT McMILLEN pmcmillen@lacledegas.com  
 ADDRESS: 1999 TRADE CENTER, ST. PETERS, MO 63376  
 PHONE: (636) 978-2663 EXT. 104

**TELEPHONE**

OWNER: CENTURYTEL  
 REPRESENTATIVE: ROY WINKELMANN  
 ADDRESS: 1151 CENTURYTEL DRIVE, WENTZVILLE, MO 63385  
 PHONE: (636) 332-7299



VICINITY MAP  
NO SCALE

# SANITARY SEWER PLAN FOR HAWK RIDGE CROSSING LAKE ST. LOUIS, MISSOURI



PROJECT NO. 6295-05



- CIVIL ENGINEERING
- LAND SURVEYING
- ARCHITECTURE
- SITE DEVELOPMENT
- MASTER PLANNING
- GENERAL CONSULTING

8 EAST MAIN STREET, WENTZVILLE, MO 63385  
 TELEPHONE (636) 332-4574  
 FAX (636) 327-0760  
 E-MAIL mail@cochraneng.com

**DECEMBER, 2005**

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SANITARY SEWER PLAN & PROFILE	1 OF 2
DETAILS	2 OF 2



CALL 1-800-DIG-RITE



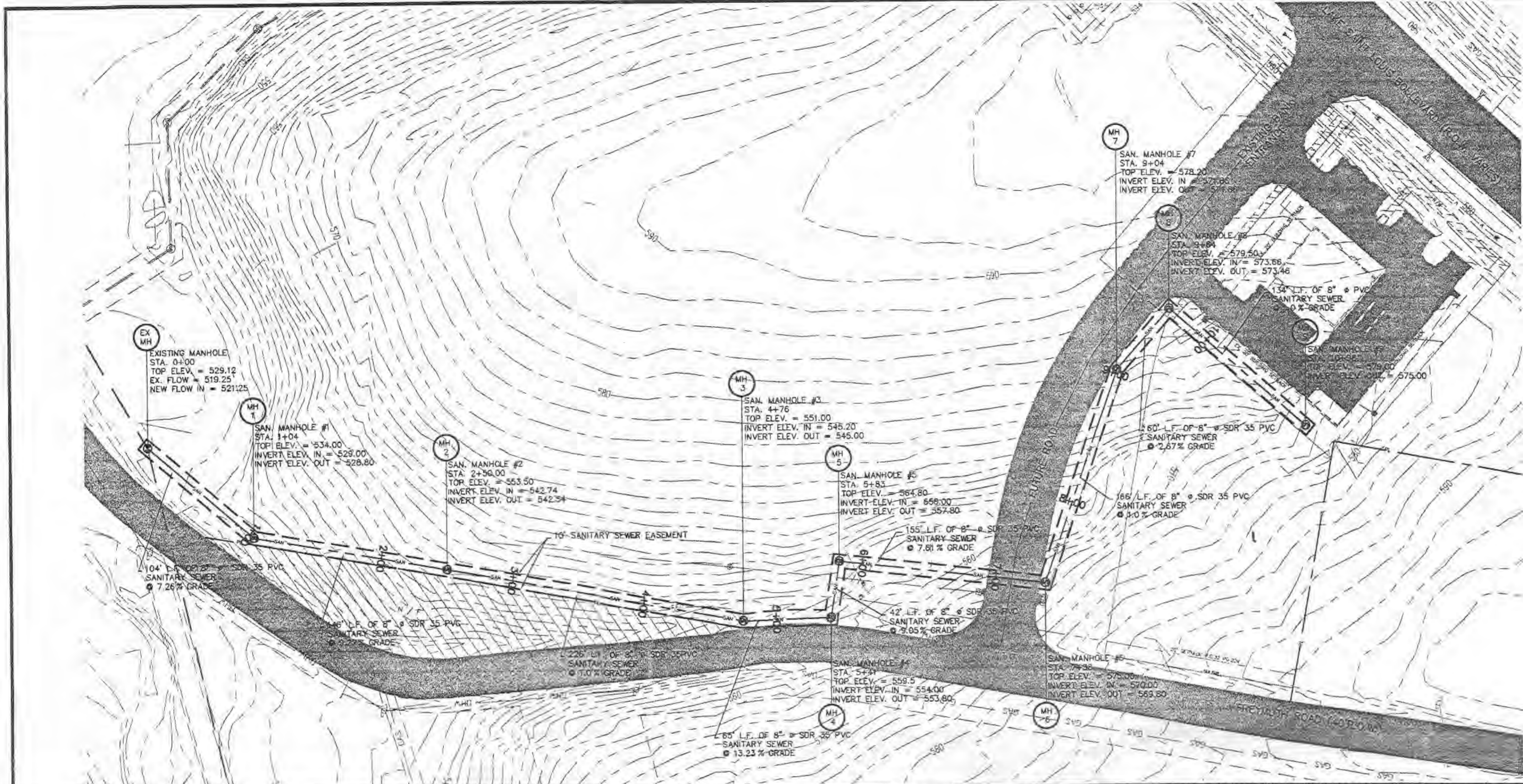
Eric S. Kirchner No. E-2001004618  
 Registered Professional Engineer  
 State of Missouri  
 for Cochran Engineering & Surveying

APPROVED FOR CONSTRUCTION  
 AND/OR INSTALLATION BY:  
 [Signature] 12/1/05  
 ST. CHARLES COUNTY PUBLIC  
 WATER SUPPLY DISTRICT NO. 2

Two working days prior to  
 the start of construction  
 on this site, contractor shall  
 call 1-800-DIG-RITE for utility  
 location information.

All work shall be in accordance  
 with the specifications  
 established for the type of  
 construction required by these  
 plans shall be strictly followed  
 (ie. Trenching, Blasting, etc.)



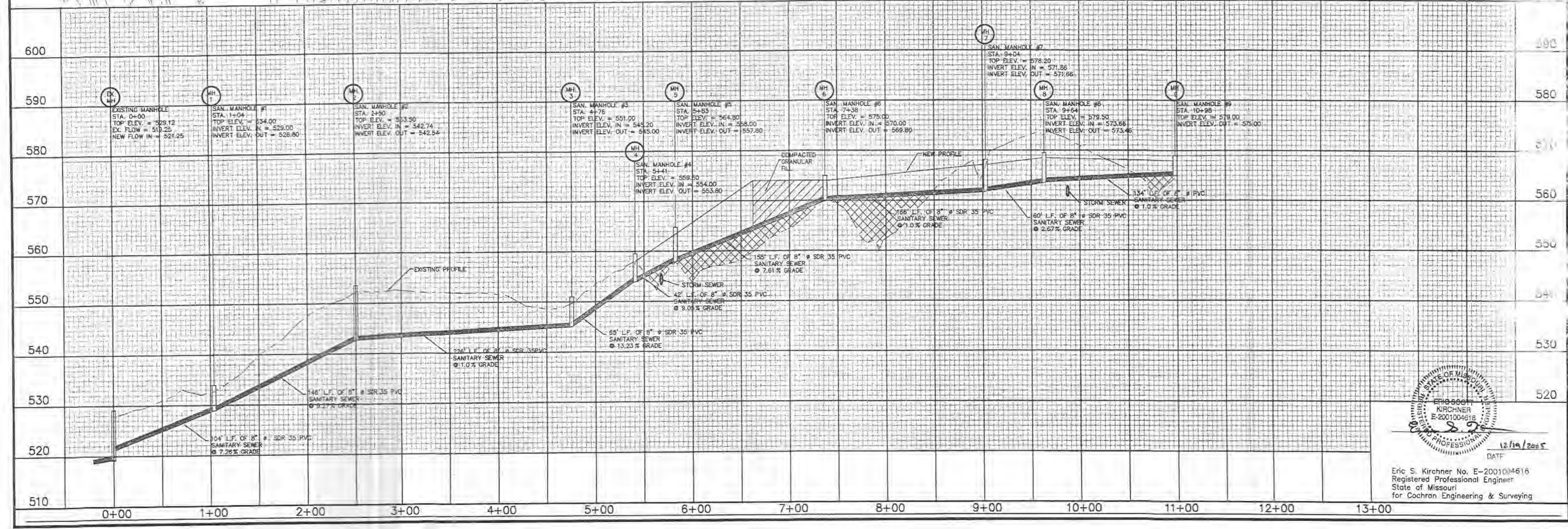


**LEGEND**

- SS NEW STORM SEWER
- 8" NEW 8" Ø WATER MAIN
- 6" NEW 6" Ø WATER MAIN
- SAN NEW SANITARY SEWER
- EASEMENT
- PL PROPERTY LINE
- GAS EXISTING GAS MAIN
- R/W EXISTING GAS MAIN
- Ø NEW SANITARY MANHOLE

1"=50' PLAN VIEW

- NOTES:**
- The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records of various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must call the appropriate utility company at least 48 hours before any excavation to request exact field location of utilities. Location, relocation and connection of the utilities shall be coordinated with the utility companies.
  - Underground structures, facilities and utilities have been plotted from available surveys, deeds and records. Therefore, their locations must be considered approximate only. There may be others, the existence of which is presently not known.
  - Contractor to contact telephone, electric, gas, and water companies to have underground utilities located on this site and adjacent to this site prior to doing any excavating.
  - All improvements including roadway & storm water construction will meet City of Foristal, MO Specifications. Sanitary sewer and water main construction will meet St. Charles County P.W.S.D. #2 Specifications.
  - All survey monuments disturbed during construction shall be replaced by a licensed surveyor.
  - All trenches under paved areas shall be backfilled with granular material and compacted to compaction requirements of the road.
  - In accordance with generally accepted construction practices, the contractor will be solely and completely responsible for conditions of the job site, hours. Contractor will be responsible for providing and maintaining all barricades, warning signs, flashing lights and traffic control devices during construction. Contractor to comply with all OSHA regulation requirements and safety meeting requirement.
  - Proposed Sanitary Sewer to be served by an existing gravity sewers owned and operated by St. Charles County P.W.S.D. #2.
  - Contractor to provide any and all fittings, as required, for sanitary sewer construction.
  - All gravity piping shall be tested for deflection per St. Charles County P.W.S.D. #2 standards.
  - All manholes shall be vacuum tested per St. Charles County P.W.S.D. #2 standards.



Eric S. Kirchner No. E-2001004618  
Registered Professional Engineer  
State of Missouri  
for Cochran Engineering & Surveying

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**COCHRAN**  
Civil Engineering  
Land Surveying  
Architecture  
Site Development

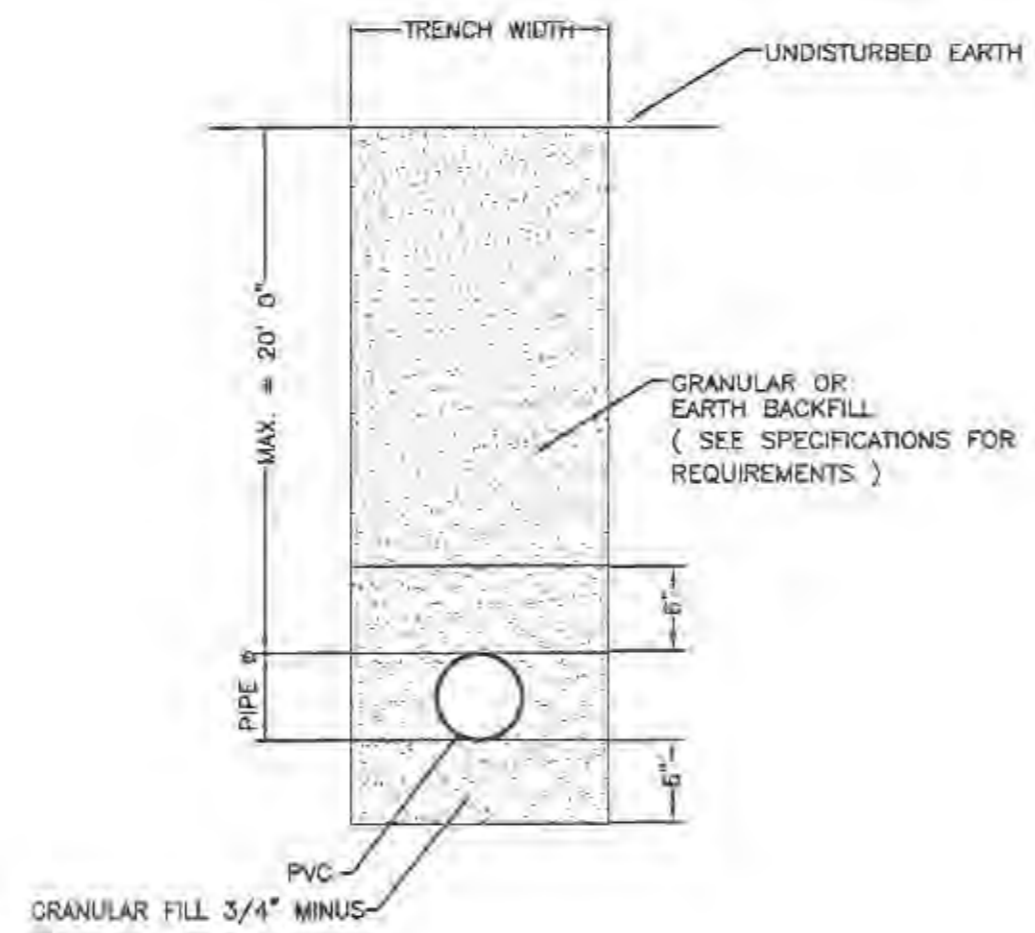
**SANITARY SEWER PLAN**  
**HAWK RIDGE CROSSING**  
**WILSON ROAD, FORISTAL, MISSOURI**

**SANITARY SEWER**  
**PROFILE**

**SHEET INFORMATION**

DESIGN BY:	J.E.D.
CHECKED BY:	E.S.K.
DATE:	DECEMBER, 2015
SCALE:	1"=10'
DATE:	12/19/2015
NO.:	6295-

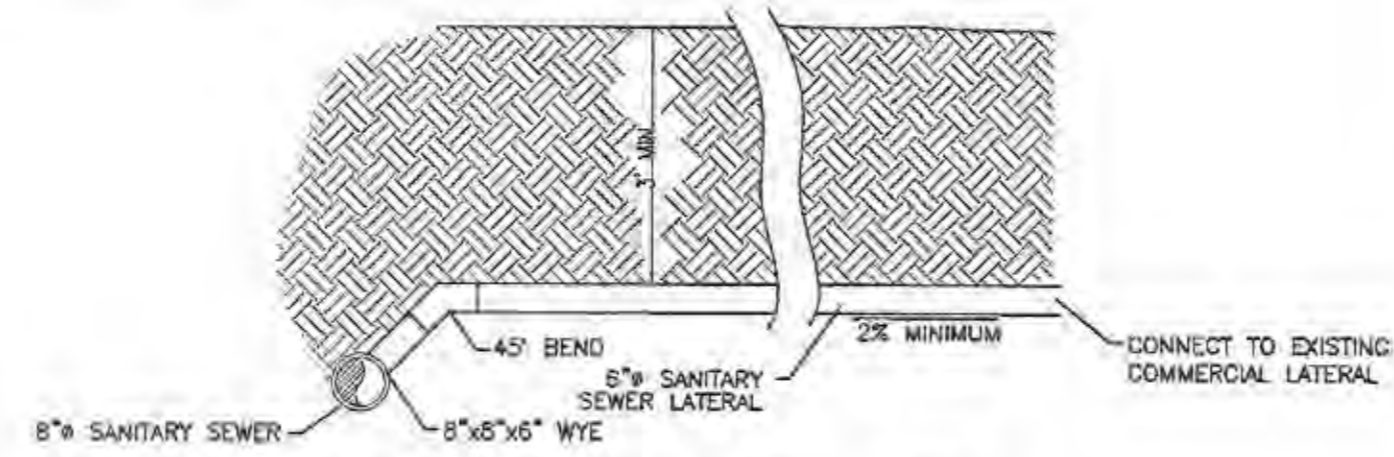




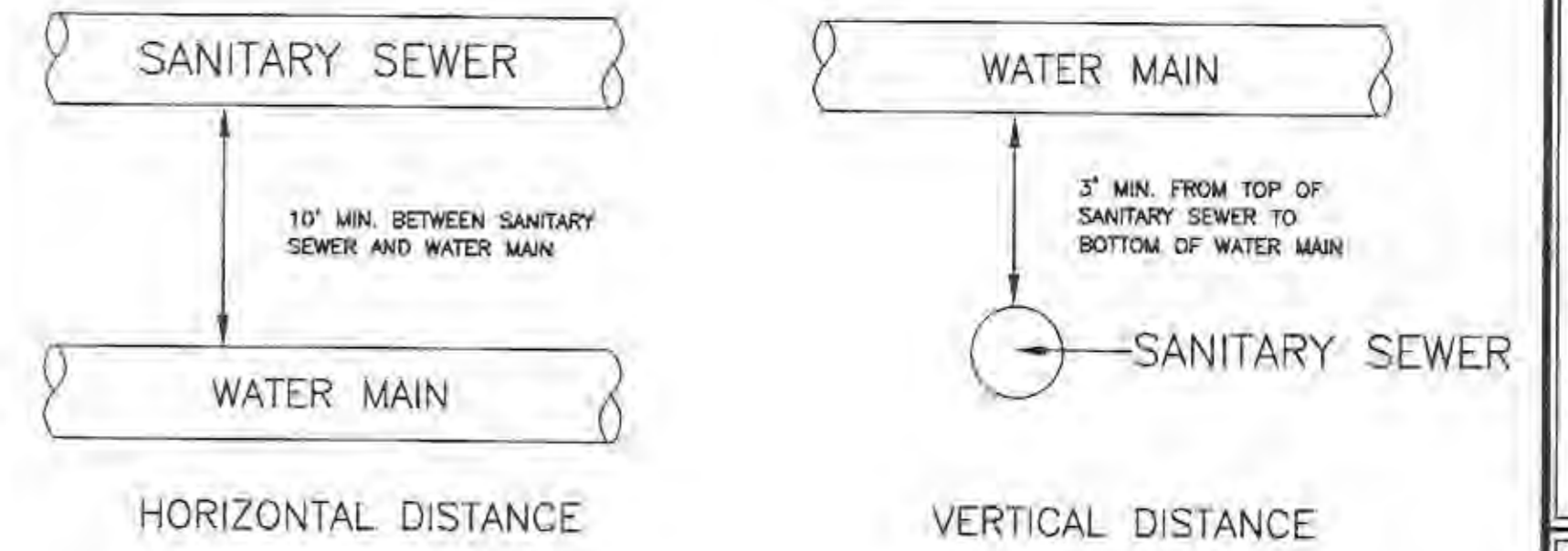
NOTE: SEE SPECIFICATIONS FOR ADDITIONAL DETAILS FOR BEDDING AND BACKFILL

**TRENCHING DETAIL**  
NO SCALE

NOTE:  
1. 1" MINUS GRANULAR BACKFILL TO BE USED UNDER ALL PAVED AREAS



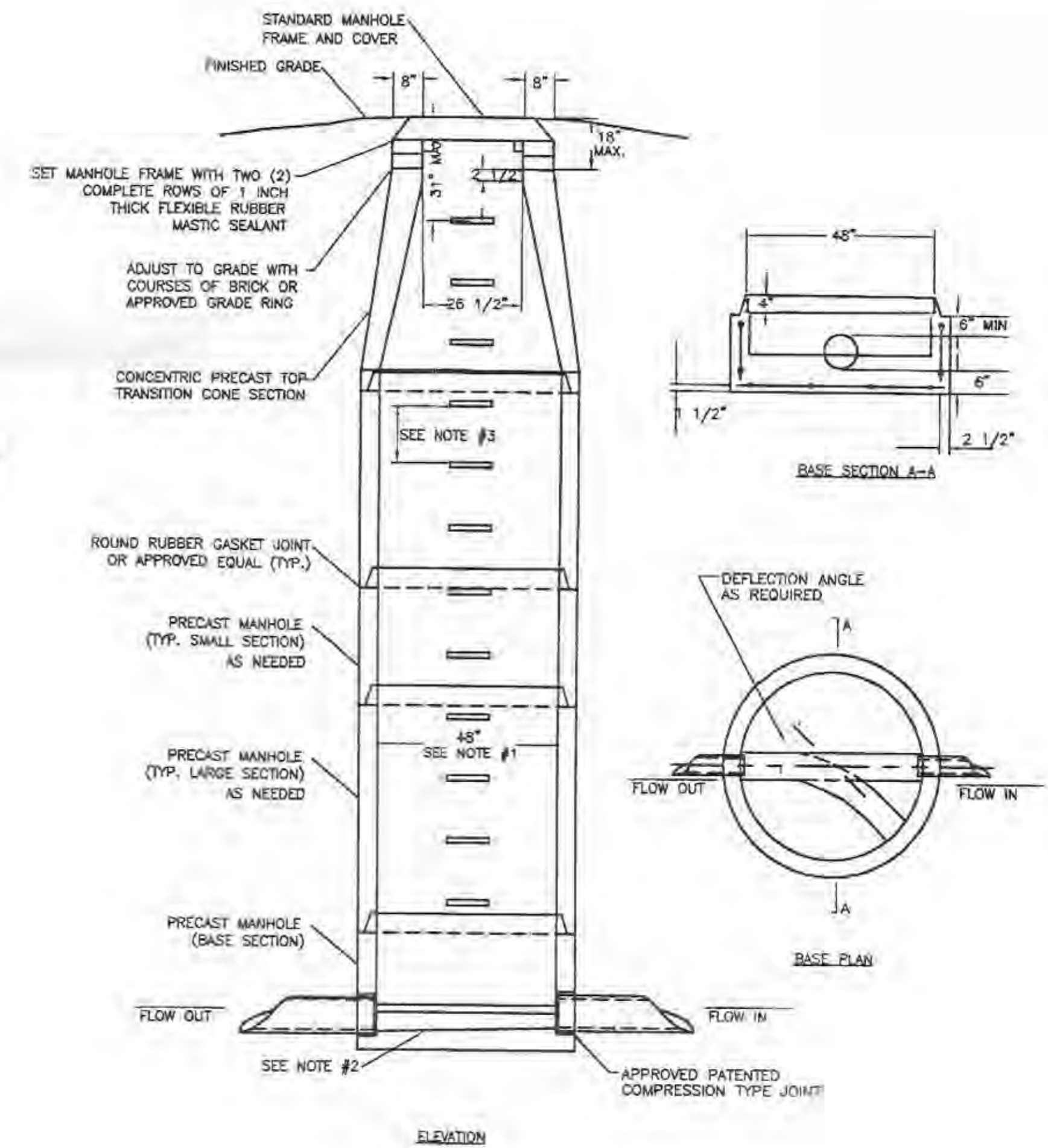
**SANITARY SEWER LATERAL DETAIL**  
NO SCALE



**TYPICAL WATER AND SEWER SEPERATION**  
NO SCALE

**NOTES:**

- 1) THE MINIMUM INSIDE DIAMETER FOR THE BASE AND RISER SECTIONS SHALL BE 48" FOR ALL SANITARY SEWERS. MANHOLE SHALL MEET ASTM C-478 REQUIREMENTS.
- 2) FLOW LINE ELEVATION OF INCOMING PIPES SHALL BE 1 INCH HIGHER THAN THAT OF OUTGOING PIPE.
- 3) SHAFT STEPS UNIFORMLY SPACED AT 18" O/C. STEPS SHOULD NOT BE OVER TOP OF PIPES AND SHALL EXTEND 4 1/2" FROM WALL.



**SANITARY SEWER MANHOLE DETAIL**  
NO SCALE



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Civil Engineering  
Land Surveying  
Architecture  
Site Development  
General Consulting  
Master Planning

**SANITARY SEWER PLAN**  
**HAWK RIDGE CROSSING**  
**LAKE ST. LOUIS, MISSOURI**

DATE	12/19/2005
DESIGNER	J.E.D.
CHECKER	E.S.K.
DATE	DECEMBER, 2005
SCALE	NO SCALE
PROJECT NO.	8295-05
DRAWING NO.	2 OF 2