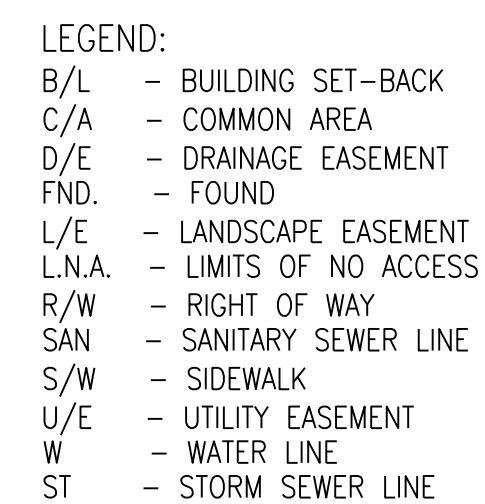


*Lots 111 Thru 127 & Tract O*  
**SANITARY SEWER CONSTRUCTION PLANS**  
*Part of the SW 1/4 Section 36, Township 47 N, Range 32 W*  
**LEE'S SUMMIT, JACKSON COUNTY, MISSOURI**

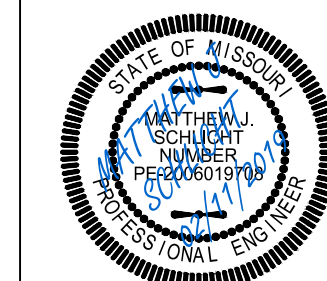
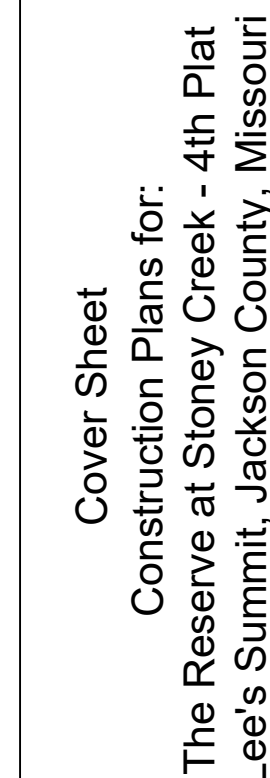
2 ~ TRENCH CHECKS SHALL BE INSTALL AT ALL SANITARY WYES LOCATION



C.400 ~ SANITARY SEWER COVER SHEET  
C.401 ~ SANITARY SEWER GENERAL LAYOUT  
C.402 ~ SANITARY SEWER PLAN & PROFILE  
C.403 ~ SANITARY SEWER DETAILS

I HEREBY CERTIFY THAT THIS PROJECT HAS BEEN DESIGNED AND THESE PLANS PREPARED IN ACCORDANCE WITH THE CURRENT DESIGN CRITERIA OF THE CITY OF LEE'S SUMMIT, MISSOURI AND THE STATE OF MISSOURI. I FURTHER CERTIFY THAT THESE PLANS WERE DESIGNED IN ACCORDANCE TO AASHTO STANDARDS.

BY: \_\_\_\_\_  
CITY ENGINEER

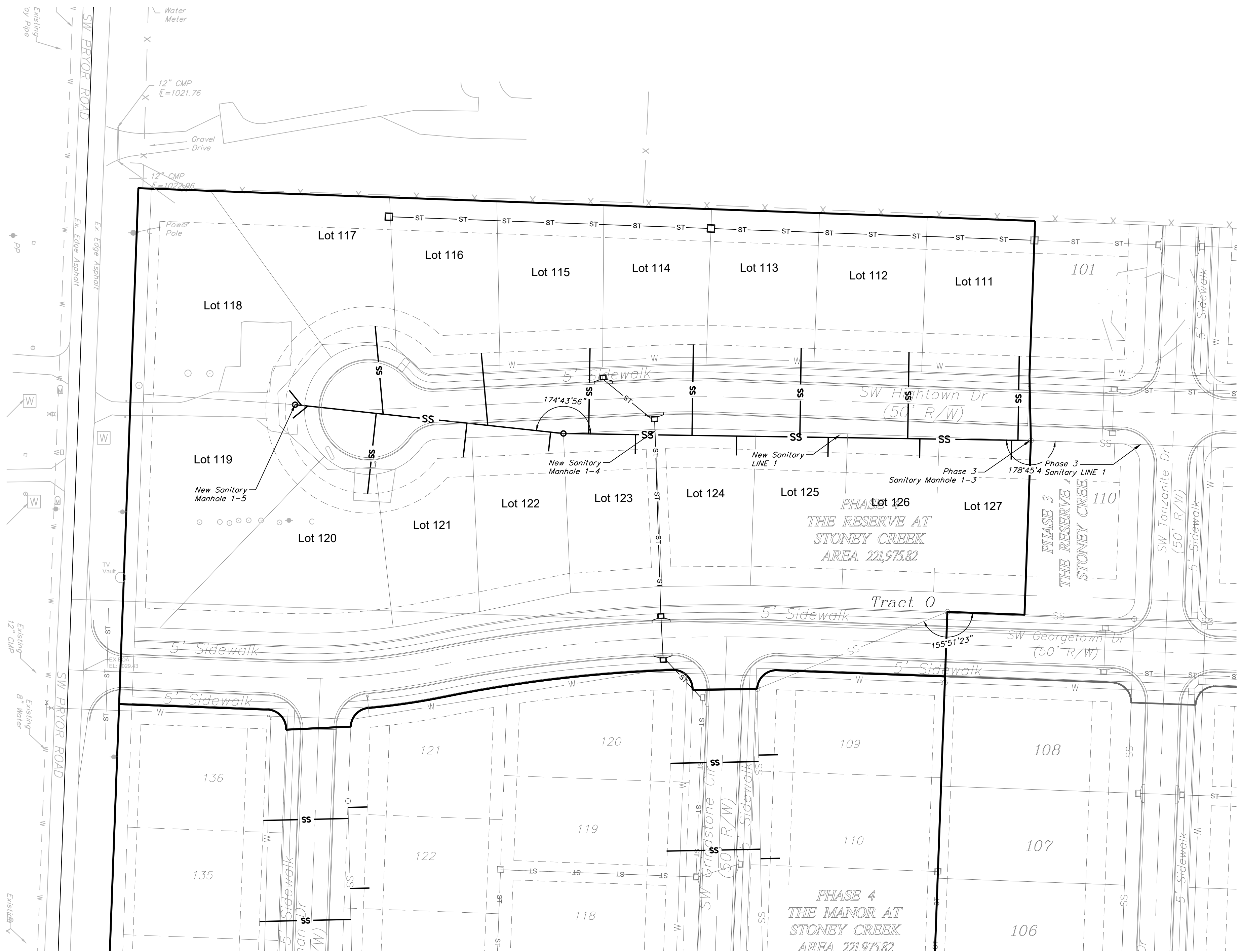


Matthew J. Schlicht  
MO PE 2006019708  
KS PE 19071  
OK PE 25226

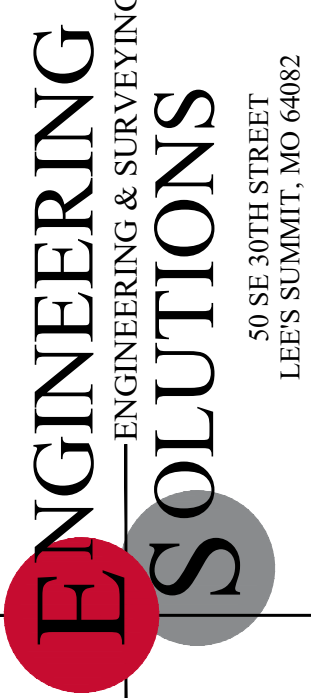
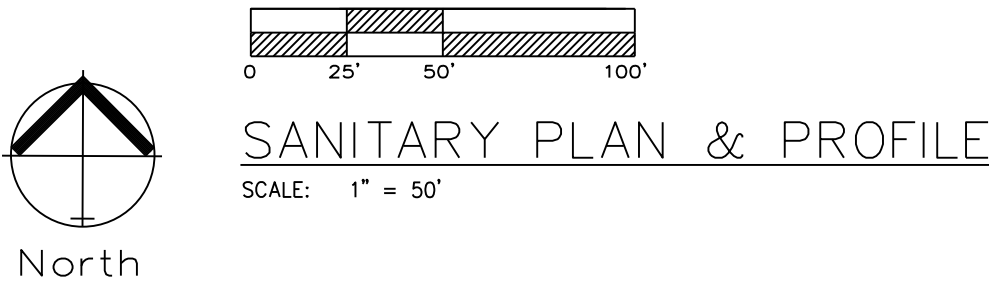
| REVISIONS |              |
|-----------|--------------|
| 1         | REV. 1-4-19  |
| 2         | REV. 2-11-19 |

C.400





**GENERAL NOTE:**  
 1 - ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.  
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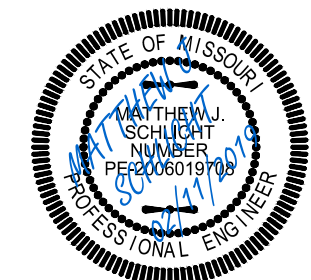


Professional Registration  
 Missouri  
 Engineering 2005002188-D  
 Surveying 200500019-D  
 Kansas  
 Engineering E-1895  
 Surveying LS-219  
 Oklahoma  
 Engineering 6254  
 Nebraska  
 Engineering CA2821

The Reserve at Stoney Creek - 4th Plat  
 Lee's Summit, Jackson County, Missouri

Project: RESERVE  
 AT STONEY  
 CREEK 4TH PLAT  
 August 2018

Sanitary Sewer General Layout  
 Construction Plans for:  
 The Reserve at Stoney Creek - 4th Plat  
 Lee's Summit, Jackson County, Missouri



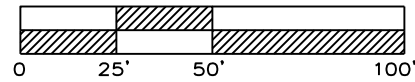
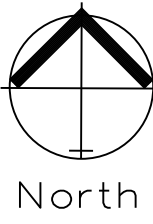
Matthew J. Schlicht  
 MO PE 2006019708  
 KS PE 19071  
 OK PE 25526

| REVISIONS |              |
|-----------|--------------|
| △         | REV. 1-4-19  |
| △         | REV. 2-11-19 |
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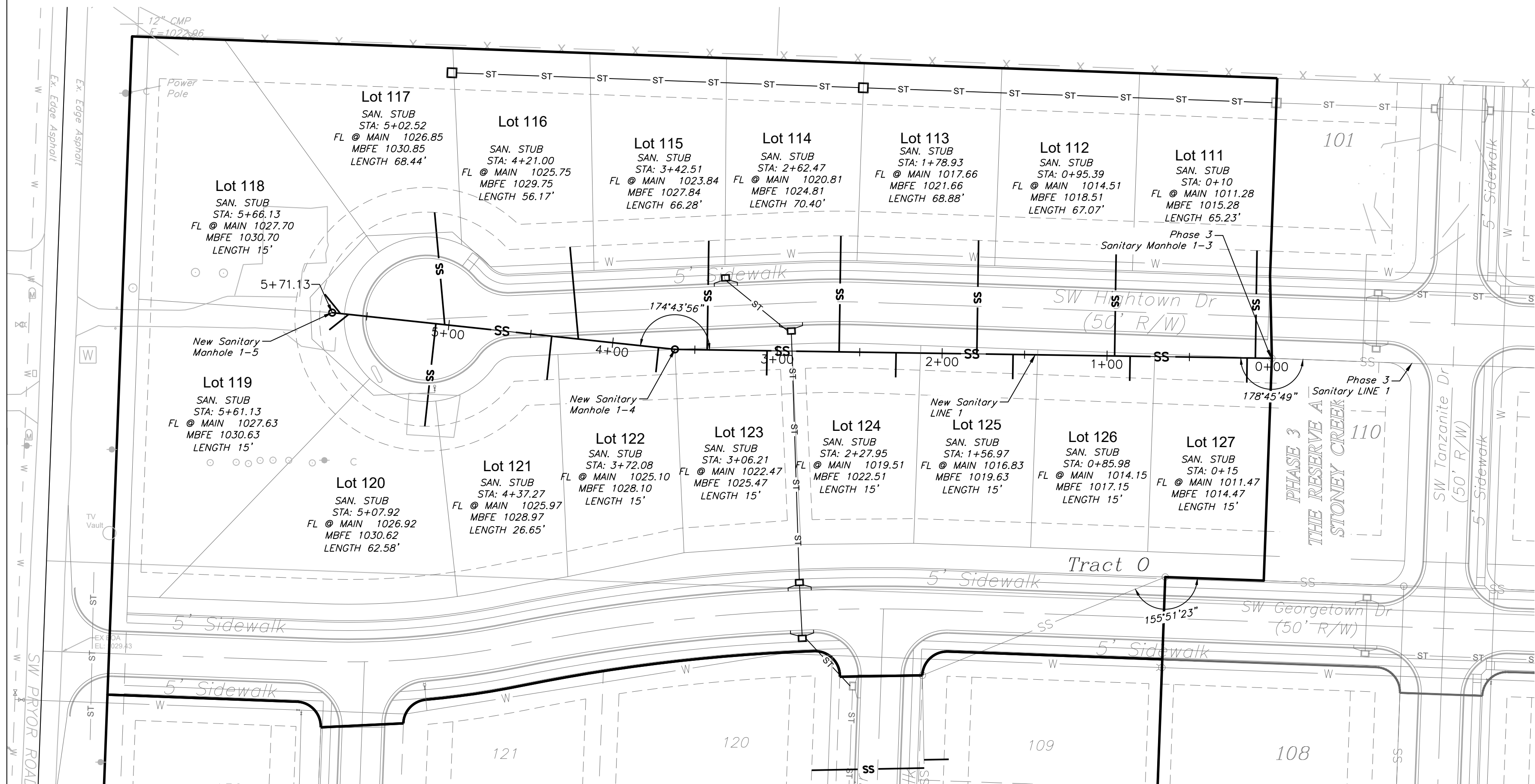


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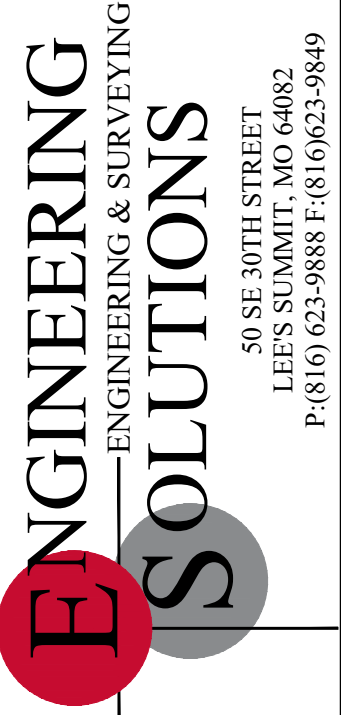
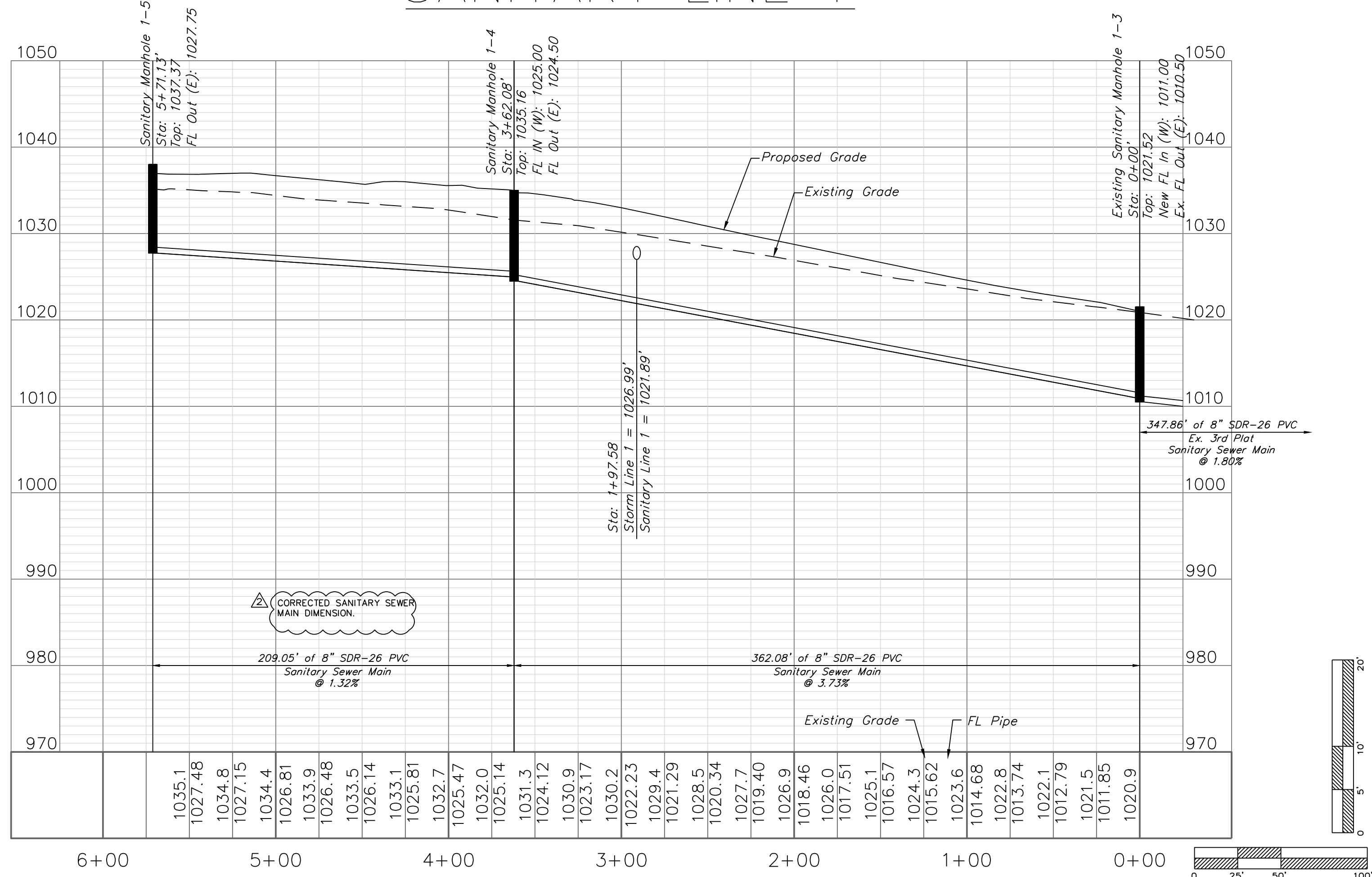
ADDED SANITARY SEWER CONNECTION INFORMATION.



SANITARY PLAN & PROFILE  
SCALE: 1" = 50'



SANITARY LINE 1

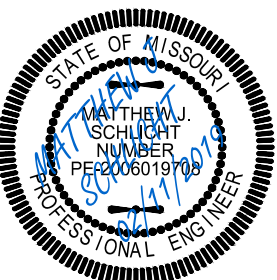


Professional Registration  
Missouri  
Engineering 2005002188-D  
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Kansas  
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Oklahoma  
Engineering 6254  
Nebraska  
Engineering CA2821

The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Project: THE RESERVE AT STONEY CREEK 4TH PLAT  
August 2018

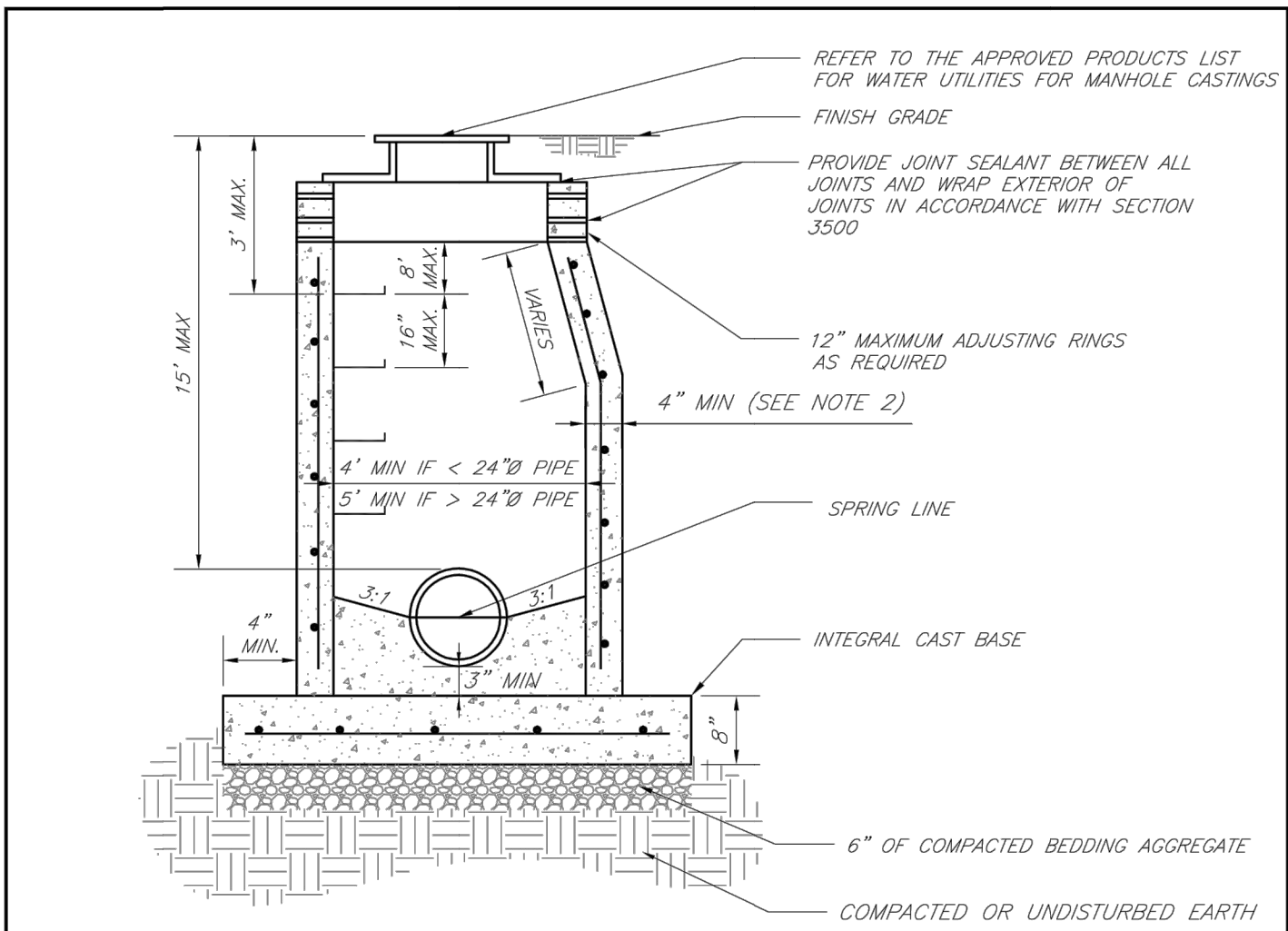
Sanitary Plan and Profile  
Construction Plans for:  
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht  
MO PE 2006019708  
KS PE 19071  
OK PE 25526

REVISIONS  
REV. 1-4-19  
REV. 2-11-19





- NOTES:
1. PRECAST CONCRETE MANHOLES SHALL CONFORM TO ASTM C478 EXCEPT AS MODIFIED BY THE SPECIFICATIONS.
  2. A WALL THICKNESS NOT LESS THAN ONE-TWELFTH ( $\frac{1}{12}$ ) OF THE INSIDE DIAMETER OR 4", WHICHEVER IS GREATER, SHALL BE USED WHEN THE MANHOLE DEPTH IS LESS THAN 15".
  3. WATERPROOFING SHALL BE REQUIRED ON THE OUTSIDE OF MANHOLES. THE WATERPROOFING SHALL CONSIST OF A TOTAL DRY FILM THICKNESS OF NOT LESS THAN 14 MILS OF BITUMINOUS COATING.
  4. ONLY ECCENTRIC MANHOLE CONES WILL BE ALLOWED UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
  5. THE FILL CONCRETE FLOW CHANNEL FOR SIDE BRANCHES SHALL BE PLACED TO PROVIDE A SMOOTH TRANSITION INTO THE FLOW LINE.
  6. REFER TO THE APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR APPROVED MANHOLE GASKET MODELS.
  7. REFER TO THE APPROVED PRODUCTS LIST FOR APPROVED STEPS.

LS

LEE'S SUMMIT

MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

STANDARD PRECAST MANHOLE – SANITARY SEWER

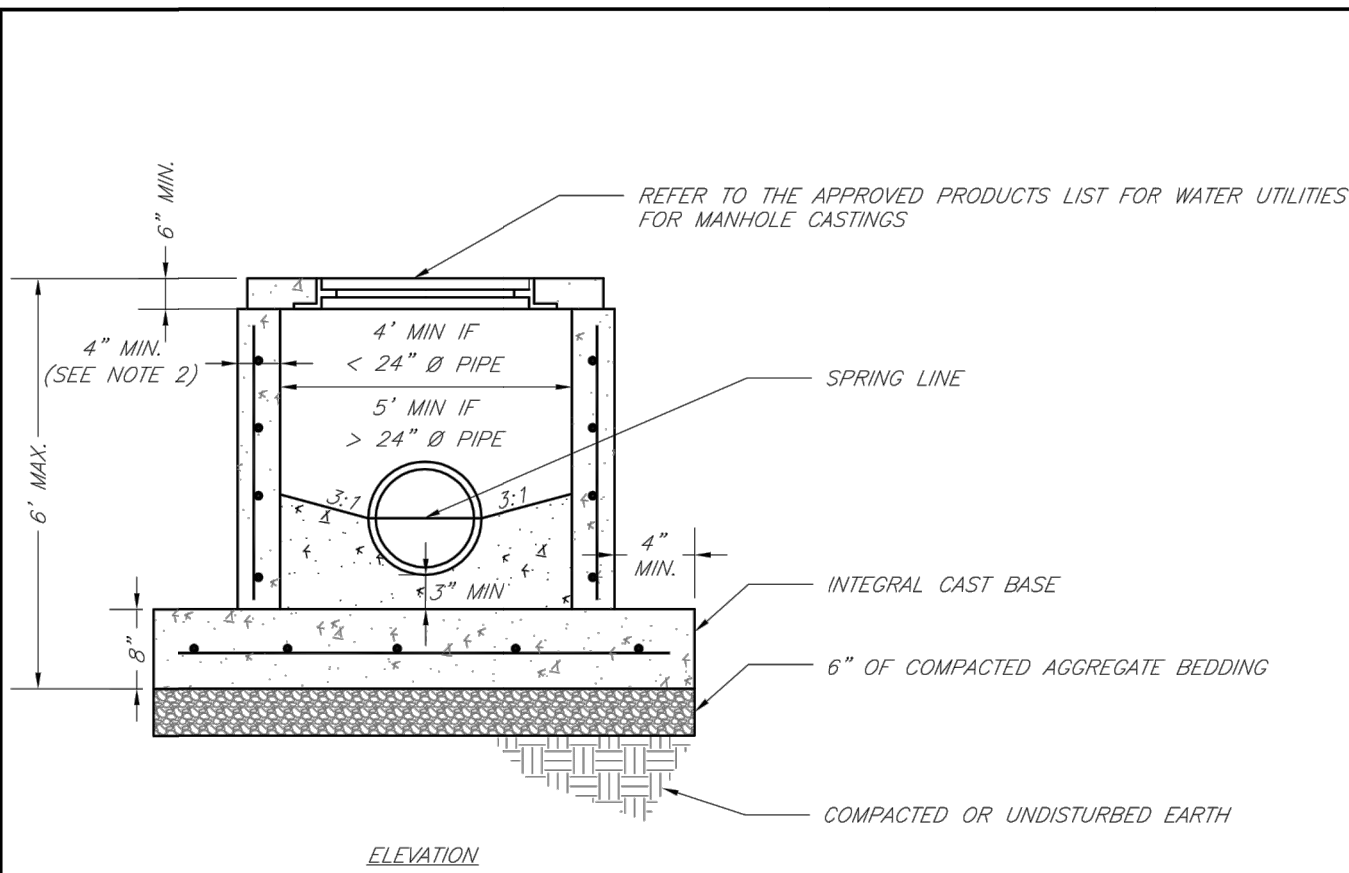
Date: 02/13

Drawn By: JN

Checked By: DL

FILE: SAN-2

Rev: 1/14



- NOTES:
1. PRECAST CONCRETE MANHOLES SHALL CONFORM TO ASTM C478 EXCEPT AS MODIFIED BY THE SPECIFICATIONS.
  2. A WALL THICKNESS NOT LESS THAN ONE-TWELFTH ( $\frac{1}{12}$ ) OF THE INSIDE DIAMETER OR 4", WHICHEVER IS GREATER SHALL BE USED.
  3. WATERPROOFING SHALL BE REQUIRED ON THE OUTSIDE OF MANHOLES. THE WATERPROOFING SHALL CONSIST OF A TOTAL DRY FILM THICKNESS OF NOT LESS THAN 14 MILS OF BITUMINOUS COATING.
  4. THE FILL CONCRETE FLOW CHANNEL FOR SIDE BRANCHES SHALL BE PLACED TO PROVIDE A SMOOTH TRANSITION INTO THE FLOW LINE.
  5. REFER TO THE APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR MANHOLE GASKET MODELS.
  6. PROVIDE STEPS AS SHOWN ON THE APPROVED PRODUCTS LIST FOR MANHOLE DEPTHS GREATER THAN 4'.

LS

LEE'S SUMMIT

MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

SHALLOW PRECAST MANHOLE – SANITARY SEWER

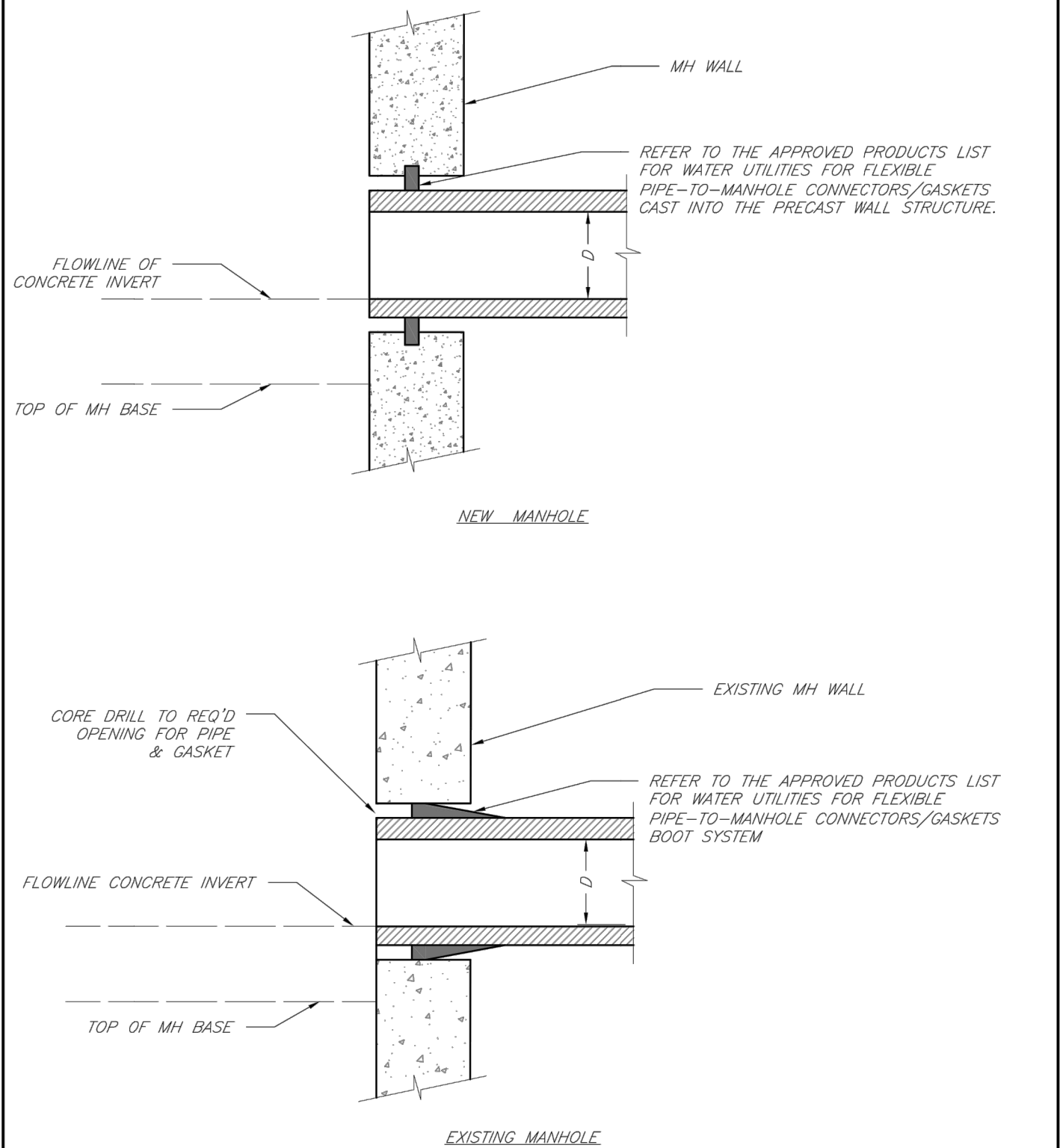
Date: 02/13

Drawn By: JN

Checked By: DL

FILE: SAN-3

Rev: 1/14



LS

LEE'S SUMMIT

MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

MANHOLE WALL CONNECTIONS

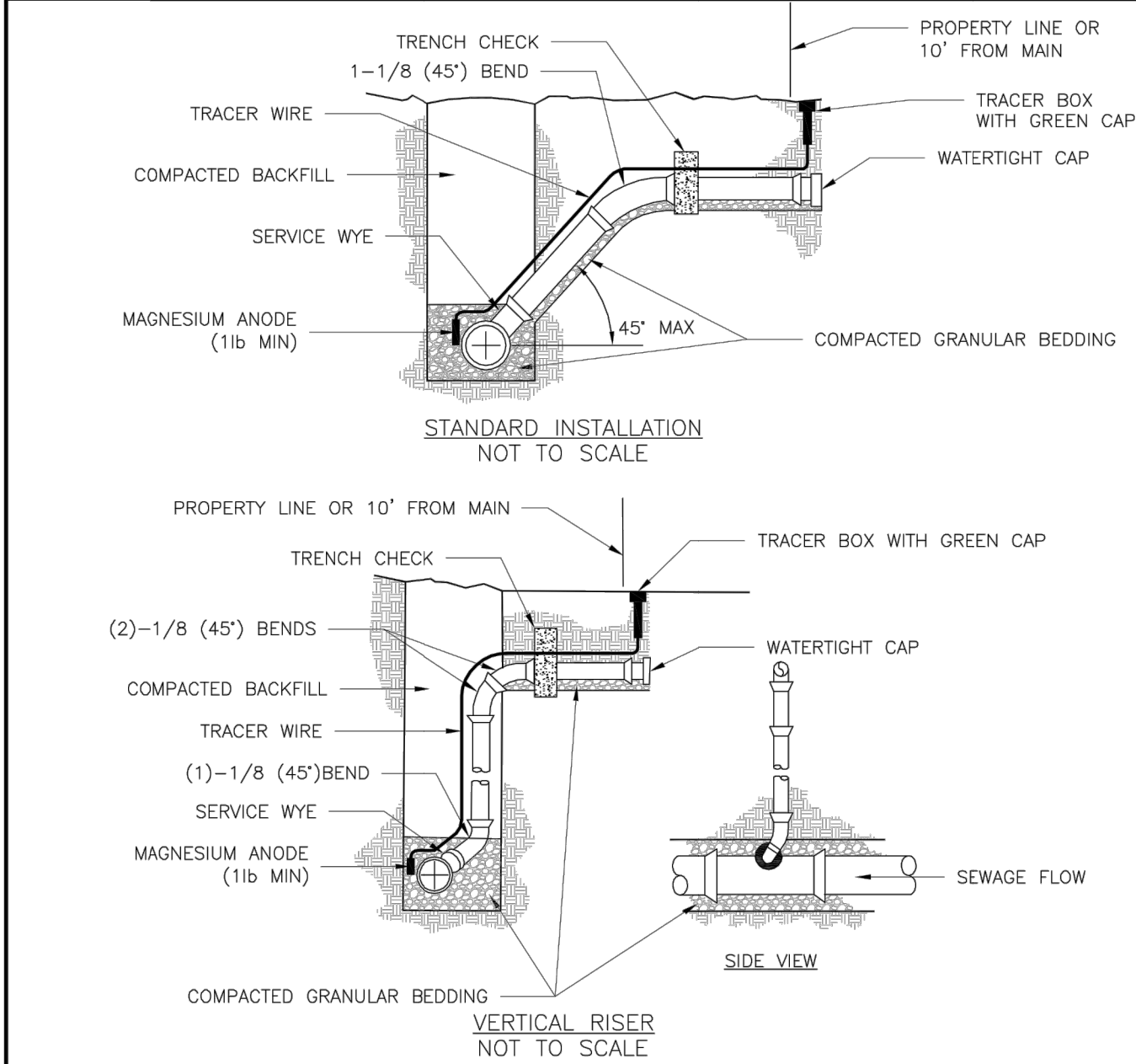
Date: 02/13

Drawn By: JN

Checked By: DL

FILE: SAN-5

Rev: 1/14



- NOTES:
1. ALL SEWER STUBS SHALL BE CONSTRUCTED TO PROPERTY LINE OR 10' MINIMUM FROM THE MAIN, WHERE SIDEWALKS ARE PRESENT, CONTRACTOR SHALL EXTEND SERVICE LINE UNDER EXISTING SIDEWALK TO TWO FEET BEYOND.
  2. ALL NEW CONSTRUCTION OFF SEWER STUBS SHALL BE TEMPORARILY MARKED WITH A MARKING STAKE, 36" ABOVE GROUND AND PAINTED GREEN.
  3. IMPERVIOUS TRENCH CHECKS SHALL BE PLACED ON BUILDING SEWER STUBS (AT LEAST 5' AWAY FROM THE SANITARY SEWER MAIN).
  4. TRENCH CHECKS ON THE BUILDING SEWER STUBS SHALL EXTEND 6" BELOW THE BOTTOM OF THE PIPE, LENGTH SHALL BE A MINIMUM OF 12", THE HEIGHT OF THE TRENCH CHECK SHALL EXTEND 12" ABOVE THE TOP OF THE PIPE. THE WIDTH OF THE TRENCH CHECK SHALL BE THE WIDTH OF THE TRENCH.
  5. SEE SPECIFICATION SECTION 2100 FOR SEWER MAIN BEDDING AND BACKFILL.
  6. #12 GAUGE GREEN INSULATED COPPER TRACER WIRE SHALL BE INSTALLED. TRACER WIRE TERMINAL BOXES SHALL BE INSTALLED DIRECTLY ABOVE THE SEWER SERVICE OR AS DETERMINED BY THE ENGINEER.
  7. FOR SERVICES, TRACER WIRE SHALL RUN FROM THE WYE AND TERMINATE IN A FLUSH MOUNTED TRACER BOX WITH A GREEN CAST IRON LOCKABLE TOP. WIRE SHALL BE TAPED OR TIED TO THE PIPE AT 5' INTERVALS.
  8. TRACER WIRE BOX SHALL BE INSTALLED WITHIN 1.0' OF PROPERTY LINE.
  9. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE. SPLICES IN THE TRACER WIRE SHOULD BE MADE WITH SPLIT BOLT CONNECTORS. WIRE NUTS SHALL NOT BE USED. A WATER-PROOF CONNECTION IS NECESSARY TO PREVENT CORROSION.

LS

LEE'S SUMMIT

MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

BUILDING SEWER STUB AND RISER

Date: 04/17

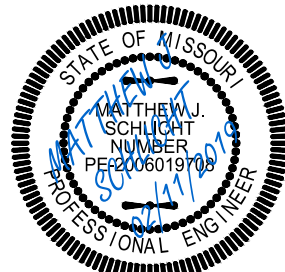
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Checked By: DL

GENERAL NOTE:

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- 2 – TRENCH CHECKS SHALL BE INSTALL AT ALL SANITARY WYES LOCATION.

Sanitary Details  
Construction Plans for:  
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht  
MO PE 2006019708  
KS PE 19071  
OK PE 25526

| REVISIONS    |  |
|--------------|--|
| REV. 1-4-19  |  |
| REV. 2-11-19 |  |

The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Project: RESERVE  
AT STONEY  
CREEK 4TH PLAT  
August 2018

Professional Registration  
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Surveying 200500019-D  
Kansas  
Engineering E-1695  
Surveying LS-219  
Oklahoma  
Engineering 6254  
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Engineering CA2821