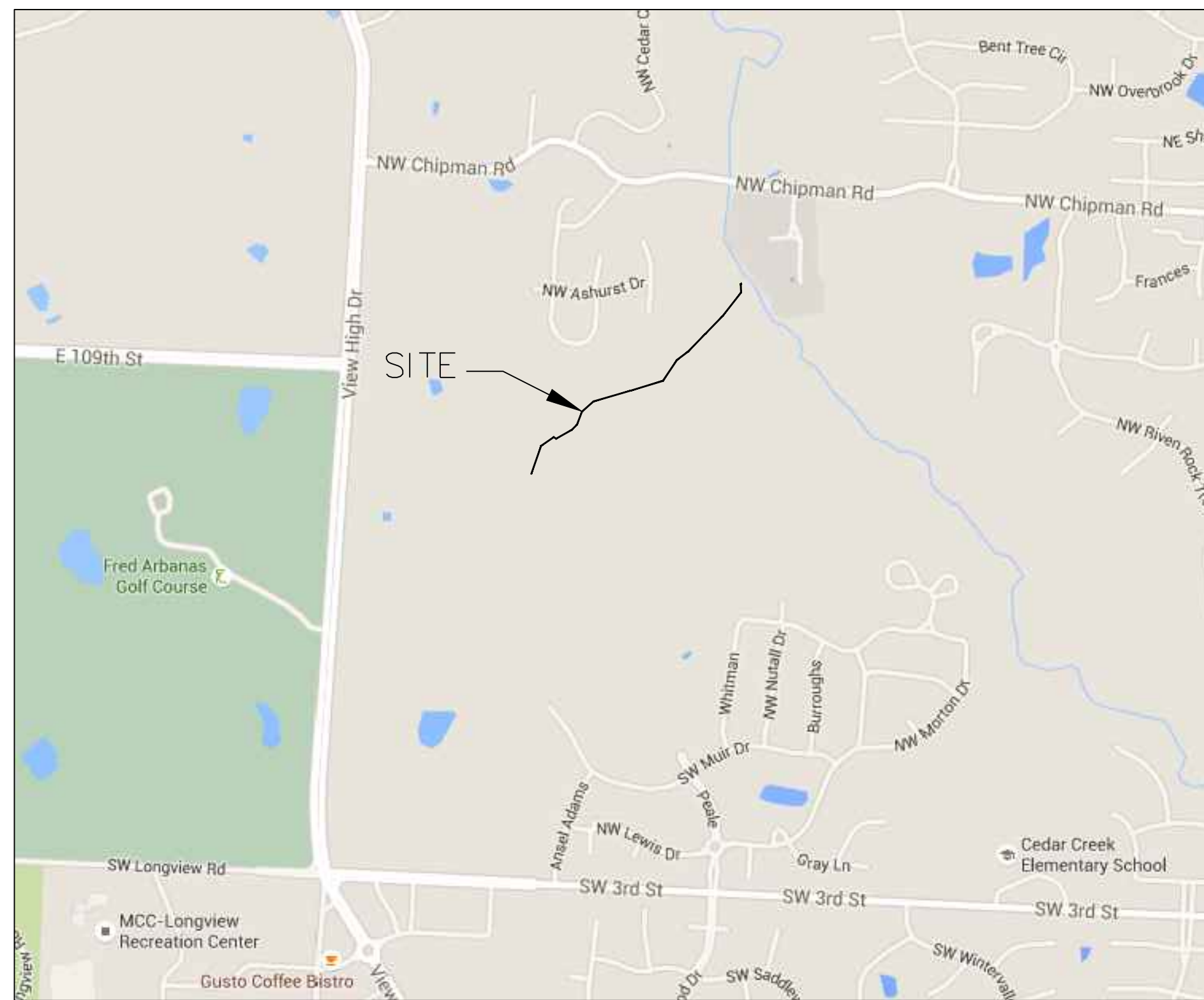
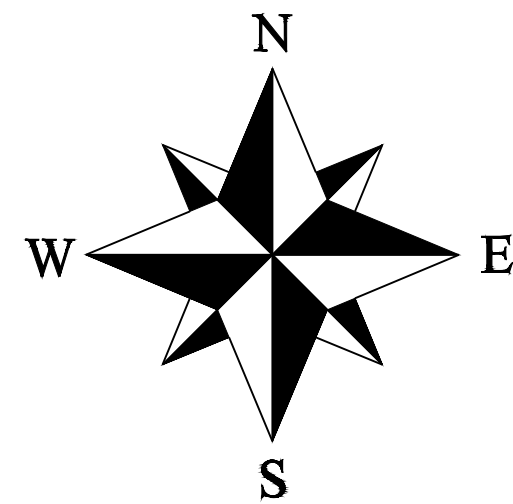


VIEW HIGH PROJECT

OFF-SITE SANITARY SEWER CONSTRUCTION PLANS

PART OF THE NW 1/4, SECTION 03-T.47-R.32

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



SITE LOCATION MAP

Record Drawing

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

UTILITY COMPANIES:

THE FOLLOWING LIST OF UTILITY COMPANIES IS PROVIDED FOR INFORMATION ONLY. WE DO NOT OFFER ANY GUARANTEE OR WARRANTY THAT THIS LIST IS COMPLETE OR ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES THAT MAY BE AFFECTED BY THE PROPOSED CONSTRUCTION AND VERIFYING THE ACTUAL LOCATION OF EACH UTILITY LINE. THE CONTRACTOR SHALL NOTIFY ENGINEERING SOLUTIONS AT 816.623.9888 OF ANY CONFLICT WITH PROPOSED IMPROVEMENTS.

KCP&L ~ 298-1196
MISSOURI GAS ENERGY ~ 756-5261
SOUTHWESTERN BELL TELEPHONE ~ 761-5011
COMCAST CABLE ~ 795-1100
WILLIAMS PIPELINE ~ 422-6300
CITY OF LEE'S SUMMIT PUBLIC WORKS ~ 969-1800
CITY OF LEE'S SUMMIT PUBLIC WORKS INSPECTIONS ~ 969-1800
CITY OF LEE'S SUMMIT WATER UTILITIES ~ 969-1900
MISSOURI ONE CALL (DIG RITE) ~ 1-800-344-7483

INDEX OF SHEETS:

- C.001 ~ COVER SHEET
- C.050 ~ ESC PHASE 1 - Pre Clearing Plan
- C.051 ~ ESC PHASE 2 - Inactive Area Stabilization Plan
- C.052 ~ ESC PHASE 3 - Final Restoration Plan
- C.200 ~ STREAM RESTORATION PLAN
- C.201 ~ ENCASEMENT SPOT GRADES
- C.202 ~ CROSS SECTION PLAN
- C.203 ~ CROSS SECTION PROFILE
- C.204 ~ CROSS SECTION PROFILE
- C.205 ~ CROSS SECTION PROFILE
- C.206 ~ CROSS SECTION PROFILE
- C.401 ~ SANITARY SEWER GENERAL LAYOUT
- C.402 ~ SANITARY LINE PLAN & PROFILE
- C.403 ~ SANITARY LINE PLAN & PROFILE
- C.404 ~ SANITARY LINE PLAN & PROFILE
- C.405 ~ SANITARY DETAILS
- C.406 ~ STREAM BANK RESTORTATION DETAILS
- C.407 ~ STREAM BANK RESTORTATION DETAILS

LEGEND:

- B/L - BUILDING SET-BACK
- C/A - COMMON AREA
- D/E - DRAINAGE EASEMENT
- FND - FOUND
- L/E - LANDSCAPE EASEMENT
- L.N.A. - LIMITS OF NO ACCESS
- R/W - RIGHT OF WAY
- SAN - SANITARY SEWER LINE
- S/W - SIDEWALK
- U/E - UTILITY EASEMENT
- W - WATER LINE
- ST - STORM SEWER LINE

ENGINEER'S CERTIFICATION:

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.

CITY OF LEE'S SUMMIT, MISSOURI

APPROVED: _____ DATE: _____

BY: _____
CITY ENGINEER

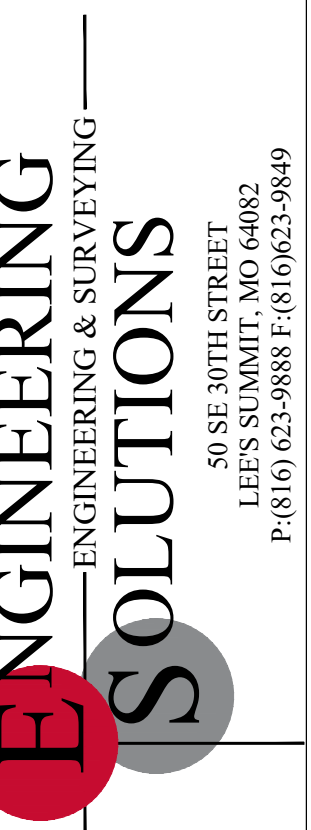
CONSTRUCTION AND DESIGN NOTES:

SANITARY SEWERS:

1. SANITARY SEWER PIPE SHALL BE POLY VINYL CHLORIDE (PVC), SDR-26, UNLESS NOTED OTHERWISE IN THESE PLANS.
2. HOUSE SEWER LATERALS SHALL BE 4 INCH PVC, SDR-26. LATERALS SHALL BE CONSTRUCTED USING A TOP ORIENTED "WYE" AT THE SEWER STATION SHOWN IN THESE PLANS. LATERALS SHALL BE LAID AT A GRADE OF 2.0% FROM THE SEWER MAIN TO THE STREET RIGHT-OF-WAY LINE OR EASEMENT LINE AS REPRESENTED BY THE LATERAL LENGTH SHOWN IN THESE PLANS. THE ELEVATION SHOWN FOR THE END OF THE LATERAL IN THESE PLANS IS APPROXIMATE. THE ACTUAL ELEVATION SHALL BE DETERMINED BY THE FLOW LINE ELEVATION OF THE SEWER MAIN, THE FITTINGS AND GRADE OF THE SEWER LATERAL.
3. THE CONTRACTOR SHALL MAINTAIN A LOG OF THE "AS BUILT" STATION AND LENGTH OF EACH HOUSE LATERAL AND SHALL PROVIDE ENGINEERING SOLUTIONS, L.L.C. WITH A COPY OF SAID LOG UPON COMPLETION OF SEWER CONSTRUCTION.
4. ALL MANHOLES INSTALLED IN THE STREET RIGHT-OF-WAY SHALL BE FINISHED 1/2" PER FOOT ABOVE THE NEAREST ADJACENT BACK OF CURB
5. FILL AREAS SHALL HAVE 3 FEET OF COMPACTED FILL IN PLACE PRIOR TO TRENCHING
6. A TRENCH CHECK CONSISTING OF FLOWABLE FILL MUST BE INSTALLED ON EVERY PRIVATE LATERAL.

"AS-BUILT"

900.10
~~900.00~~ Indicates data replaced with "As-Built" information. All other data is as designed and has not been field verified.

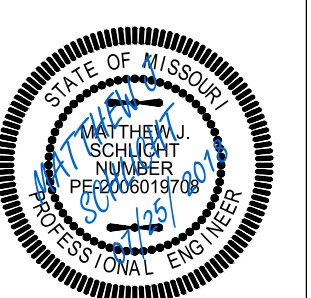


Professional Registration
Missouri
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Surveying 200500019-D
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Engineering E-1695
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Engineering CA2821

View High Project
Lee's Summit, Jackson County, Missouri

Project:
View High Drive
Issue Date:
October, 2015

Cover Sheet
Sanitary Sewer Construction Plans for:
View High Project
Lee's Summit, Jackson County, Missouri



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

| REVISIONS |
|-------------------|
| 7/2/18 - As-Built |
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EROSION CONTROL DESCRIPTION:

- 1) SILT FENCE SHALL BE PLACED AT THE PERIMETER OF THE GRADING AND AT INTERMEDIATE AREAS THROUGHOUT THE SITE AS SHOWN ON THE PLAN. INLET SEDIMENT TRAPS SHALL BE PLACED SURROUNDING ALL STORM INLETS
- 2) INSTALL TEMPORARY CONSTRUCTION ENTRANCE AS SHOWN ON PLAN

EROSION CONTROL PROCEDURE:

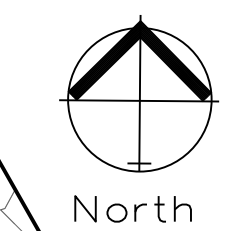
- 1) SILT FENCE AND TEMPORARY CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT THE PERIMETER OF THE GRADED AREAS PRIOR TO BEGINNING OF CLEARING OR DEMOLITION OPERATIONS. THE CONTRACTOR SHALL INSTALL SILT FENCE AS SHOWN ON PLANS AS GRADING PROGRESSES.

TEMPORARY CONSTRUCTION ENTRANCE NOTES:

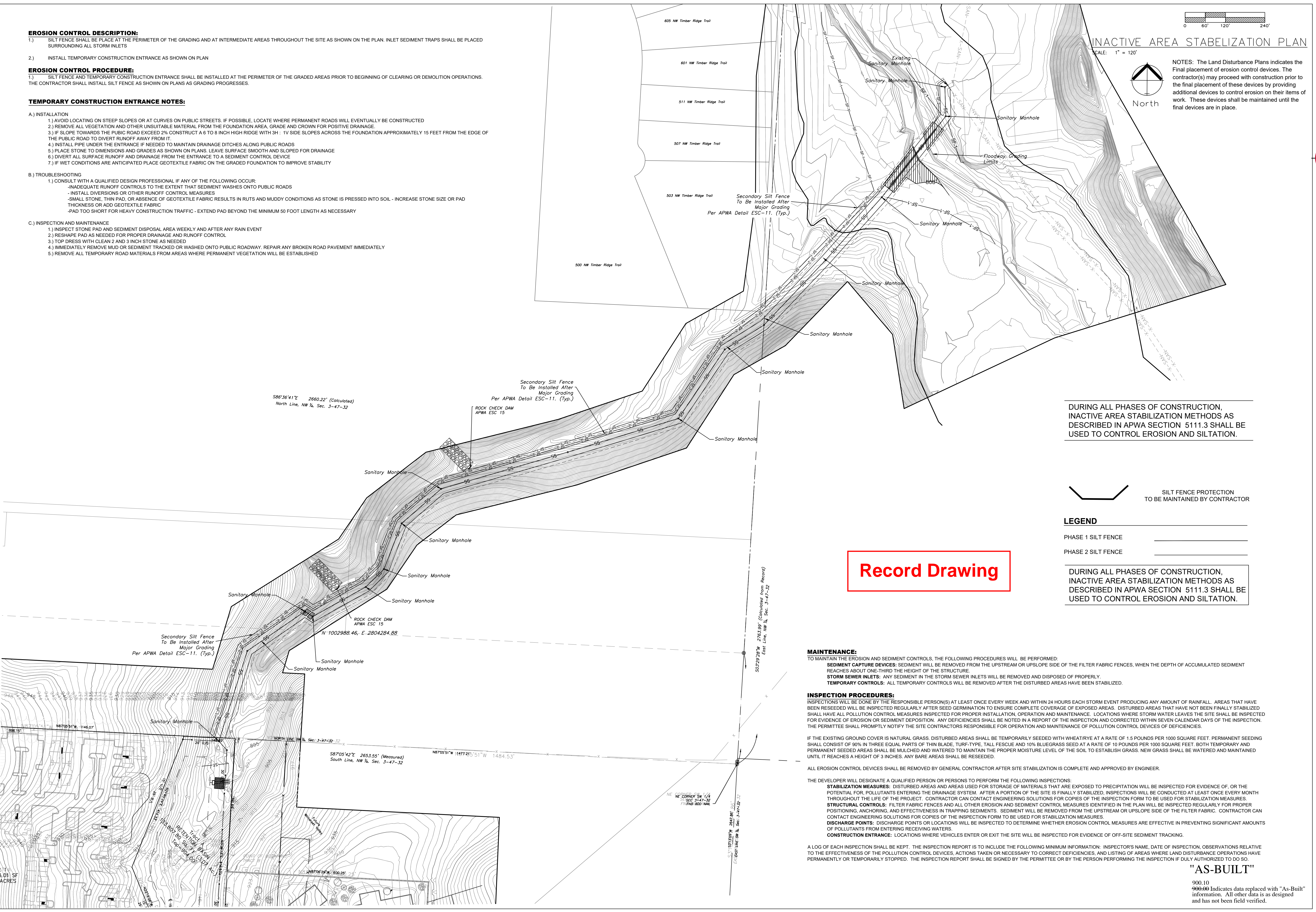
- A.) INSTALLATION**
- 1) AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC STREETS. IF POSSIBLE, LOCATE WHERE PERMANENT ROADS WILL EVENTUALLY BE CONSTRUCTED
 - 2) REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA. GRADE AND CROWN FOR POSITIVE DRAINAGE.
 - 3) IF SLOPE TOWARDS THE PUBLIC ROAD EXCEEDS 2% CONSTRUCT A 6 TO 8 INCH HIGH RIDGE WITH 3H : 1V SIDE SLOPES ACROSS THE FOUNDATION APPROXIMATELY 15 FEET FROM THE EDGE OF THE PUBLIC ROAD TO DIVERT RUNOFF AWAY FROM IT.
 - 4) INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES ALONG PUBLIC ROADS
 - 5) PLACE STONE TO DIMENSIONS AND GRADES AS SHOWN ON PLANS. LEAVE SURFACE SMOOTH AND SLOPED FOR DRAINAGE
 - 6) DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE
 - 7) IF WET CONDITIONS ARE ANTICIPATED PLACE GEOTEXTILE FABRIC ON THE GRADED FOUNDATION TO IMPROVE STABILITY
- B.) TROUBLESHOOTING**
- 1) CONSULT WITH A QUALIFIED DESIGN PROFESSIONAL IF ANY OF THE FOLLOWING OCCUR:
 - INADEQUATE RUNOFF CONTROLS TO THE EXTENT THAT SEDIMENT WASHES ONTO PUBLIC ROADS
 - INSTALL DIVERSIONS OR OTHER RUNOFF CONTROL MEASURES
 - SMALL STONE, THIN PAD, OR ABSENCE OF GEOTEXTILE FABRIC RESULTS IN RUTS AND MUDDY CONDITIONS AS STONE IS PRESSED INTO SOIL. - INCREASE STONE SIZE OR PAD THICKNESS OR ADD GEOTEXTILE FABRIC
 - PAD TOO SHORT FOR HEAVY CONSTRUCTION TRAFFIC. - EXTEND PAD BEYOND THE MINIMUM 50 FOOT LENGTH AS NECESSARY
- C.) INSPECTION AND MAINTENANCE**
- 1) INSPECT STONE PAD AND SEDIMENT DISPOSAL AREA WEEKLY AND AFTER ANY RAIN EVENT
 - 2) RESHAPE PAD AS NEEDED FOR PROPER DRAINAGE AND RUNOFF CONTROL
 - 3) TOP DRESS WITH CLEAN 2 AND 3 INCH STONE AS NEEDED
 - 4) IMMEDIATELY REMOVE MUD OR SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADWAY. REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY
 - 5) REMOVE ALL TEMPORARY ROAD MATERIALS FROM AREAS WHERE PERMANENT VEGETATION WILL BE ESTABLISHED

INACTIVE AREA STABILIZATION PLAN

SCALE: 1" = 120'

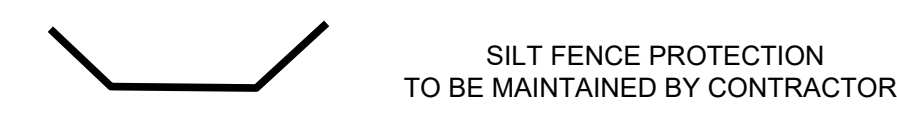


NOTES: The Land Disturbance Plans indicates the Final placement of erosion control devices. The contractor(s) may proceed with construction prior to the final placement of these devices by providing additional devices to control erosion on their items of work. These devices shall be maintained until the final devices are in place.



DURING ALL PHASES OF CONSTRUCTION, INACTIVE AREA STABILIZATION METHODS AS DESCRIBED IN APWA SECTION 5111.3 SHALL BE USED TO CONTROL EROSION AND SILTATION.

DURING ALL PHASES OF CONSTRUCTION, INACTIVE AREA STABILIZATION METHODS AS DESCRIBED IN APWA SECTION 5111.3 SHALL BE USED TO CONTROL EROSION AND SILTATION.



LEGEND

PHASE 1 SILT FENCE _____

PHASE 2 SILT FENCE _____

Record Drawing

MAINTENANCE:
TO MAINTAIN THE EROSION AND SEDIMENT CONTROLS, THE FOLLOWING PROCEDURES WILL BE PERFORMED:
SEDIMENT CAPTURE DEVICES: SEDIMENT WILL BE REMOVED FROM THE UPSTREAM OR UPSLOPE SIDE OF THE FILTER FABRIC FENCES, WHEN THE DEPTH OF ACCUMULATED SEDIMENT REACHES ABOUT ONE-THIRD THE HEIGHT OF THE STRUCTURE.
STORM SEWER INLETS: ANY SEDIMENT IN THE STORM SEWER INLETS WILL BE REMOVED AND DISPOSED OF PROPERLY.
TEMPORARY CONTROLS: ALL TEMPORARY CONTROLS WILL BE REMOVED AFTER THE DISTURBED AREAS HAVE BEEN STABILIZED.

INSPECTION PROCEDURES:
 INSPECTIONS WILL BE DONE BY THE RESPONSIBLE PERSON(S) AT LEAST ONCE EVERY WEEK AND WITHIN 24 HOURS EACH STORM EVENT PRODUCING ANY AMOUNT OF RAINFALL. AREAS THAT HAVE BEEN RESEEDED WILL BE INSPECTED REGULARLY AFTER SEED GERMINATION TO ENSURE COMPLETE COVERAGE OF EXPOSED AREAS. DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED SHALL HAVE ALL POLLUTION CONTROL MEASURES INSPECTED FOR PROPER INSTALLATION, OPERATION AND MAINTENANCE. LOCATIONS WHERE STORM WATER LEAVES THE SITE SHALL BE INSPECTED FOR EVIDENCE OF EROSION OR SEDIMENT DEPOSITION. ANY DEFICIENCIES SHALL BE NOTED IN A REPORT OF THE INSPECTION AND CORRECTED WITHIN SEVEN CALENDAR DAYS OF THE INSPECTION. THE PERMITTEE SHALL PROMPTLY NOTIFY THE SITE CONTRACTORS RESPONSIBLE FOR OPERATION AND MAINTENANCE OF POLLUTION CONTROL DEVICES OF DEFICIENCIES.

IF THE EXISTING GROUND COVER IS NATURAL GRASS, DISTURBED AREAS SHALL BE TEMPORARILY SEEDED WITH WHEAT/RYE AT A RATE OF 1.5 POUNDS PER 1000 SQUARE FEET. PERMANENT SEEDING SHALL CONSIST OF 90% IN THREE EQUAL PARTS OF THIN BLADE, TURF-TYPE, TALL FESCUE AND 10% BLUEGRASS SEED AT A RATE OF 10 POUNDS PER 1000 SQUARE FEET. BOTH TEMPORARY AND PERMANENT SEEDED AREAS SHALL BE MULCHED AND WATERED TO MAINTAIN THE PROPER MOISTURE LEVEL OF THE SOIL TO ESTABLISH GRASS. NEW GRASS SHALL BE WATERED AND MAINTAINED UNTIL IT REACHES A HEIGHT OF 3 INCHES. ANY BARE AREAS SHALL BE RESEEDED.

ALL EROSION CONTROL DEVICES SHALL BE REMOVED BY GENERAL CONTRACTOR AFTER SITE STABILIZATION IS COMPLETE AND APPROVED BY ENGINEER.

THE DEVELOPER WILL DESIGNATE A QUALIFIED PERSON OR PERSONS TO PERFORM THE FOLLOWING INSPECTIONS:
STABILIZATION MEASURES: DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION WILL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. AFTER A PORTION OF THE SITE IS FINALLY STABILIZED, INSPECTIONS WILL BE CONDUCTED AT LEAST ONCE EVERY MONTH THROUGHOUT THE LIFE OF THE PROJECT. CONTRACTOR CAN CONTACT ENGINEERING SOLUTIONS FOR COPIES OF THE INSPECTION FORM TO BE USED FOR STABILIZATION MEASURES.
STRUCTURAL CONTROLS: FILTER FABRIC FENCES AND ALL OTHER EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN WILL BE INSPECTED REGULARLY FOR PROPER POSITIONING, ANCHORING, AND EFFECTIVENESS IN TRAPPING SEDIMENTS. SEDIMENT WILL BE REMOVED FROM THE UPSTREAM OR UPSLOPE SIDE OF THE FILTER FABRIC. CONTRACTOR CAN CONTACT ENGINEERING SOLUTIONS FOR COPIES OF THE INSPECTION FORM TO BE USED FOR STABILIZATION MEASURES.
DISCHARGE POINTS: DISCHARGE POINTS OR LOCATIONS WILL BE INSPECTED TO DETERMINE WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT AMOUNTS OF POLLUTANTS FROM ENTERING RECEIVING WATERS.
CONSTRUCTION ENTRANCE: LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE WILL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.

A LOG OF EACH INSPECTION SHALL BE KEPT. THE INSPECTION REPORT IS TO INCLUDE THE FOLLOWING MINIMUM INFORMATION: INSPECTOR'S NAME, DATE OF INSPECTION, OBSERVATIONS RELATIVE TO THE EFFECTIVENESS OF THE POLLUTION CONTROL DEVICES, ACTIONS TAKEN OR NECESSARY TO CORRECT DEFICIENCIES, AND LISTING OF AREAS WHERE LAND DISTURBANCE OPERATIONS HAVE PERMANENTLY OR TEMPORARILY STOPPED. THE INSPECTION REPORT SHALL BE SIGNED BY THE PERMITTEE OR BY THE PERSON PERFORMING THE INSPECTION IF DULY AUTHORIZED TO DO SO.

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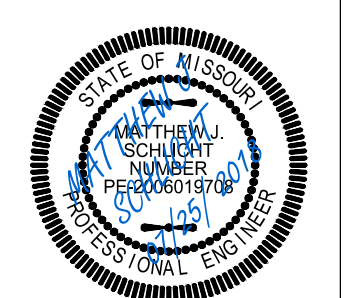
ENGINEERING SOLUTIONS
 ENGINEERING & SURVEYING
 50 SE 30TH STREET
 LEE'S SUMMIT, MO 64082
 P: (816) 623-9888 F: (816) 623-9849

Professional Registration
 Missouri
 Engineering 2005002188-D
 Surveying 2005000819-D
 Kansas
 Engineering E-1695
 Surveying LS-218
 Oklahoma
 Engineering 0254
 Nebraska
 Engineering CA2821

Project:
 View High Drive
 Initial Date:
 October, 2015

View High Project
 Lee's Summit, Jackson County, Missouri

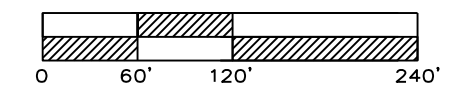
Inactive Stabilization Area Plan
 Sanitary Sewer Construction Plans for:
 View High Project
 Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht
 MO PE 2006019708
 KS PE 19071
 OK PE 23226

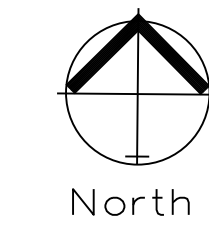
REVISIONS

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| 7/2/18 | - As-Built |
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FINAL RESTORATION PLAN

SCALE: 1" = 120'



NOTES: The Land Disturbance Plans indicates the final placement of erosion control devices. The contractor(s) may proceed with construction prior to the final placement of these devices by providing additional devices to control erosion on their items of work. These devices shall be maintained until the final devices are in place.

SEED AND MULCH NOTES:

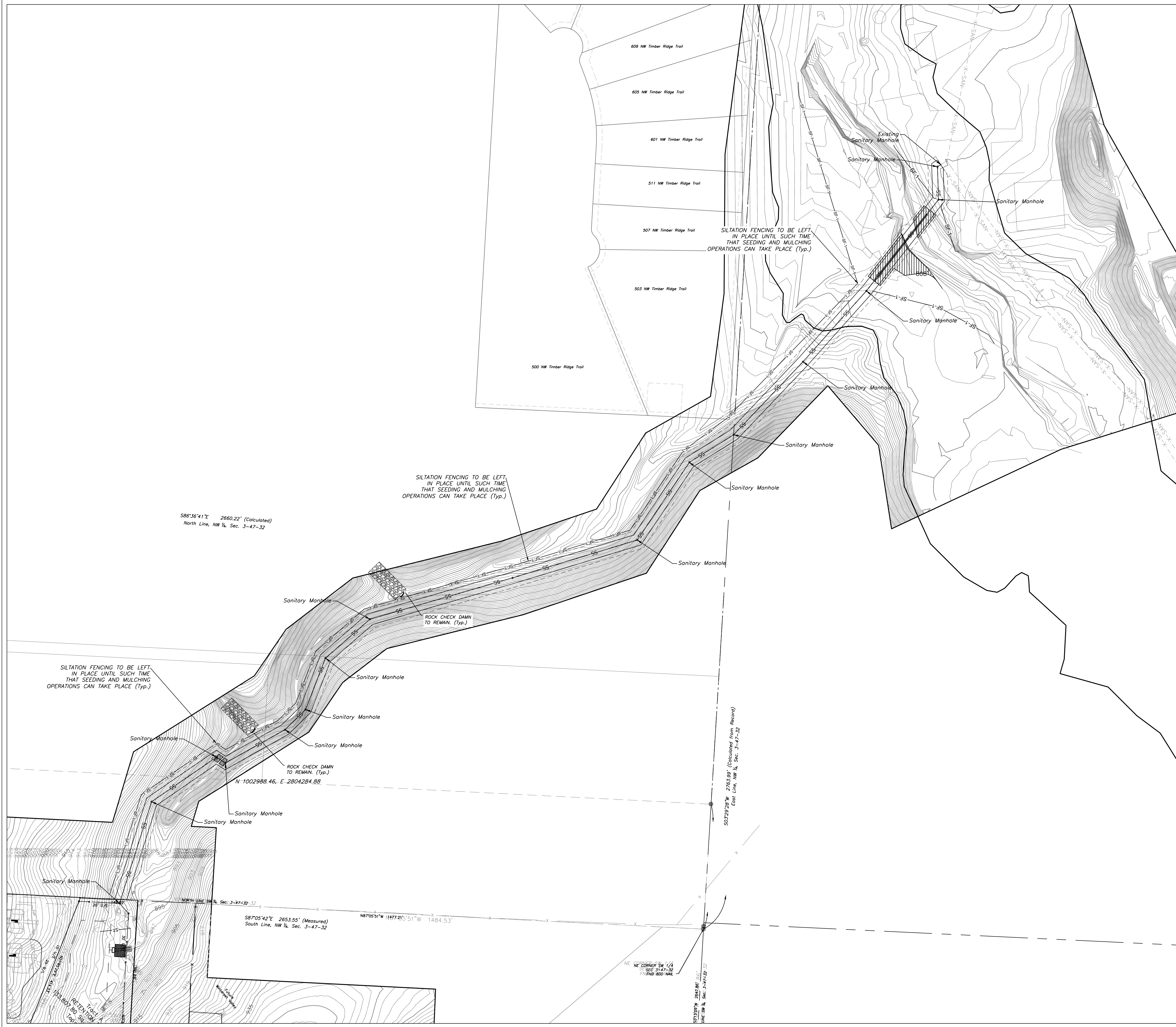
All areas disturbed by construction activities shall be seeded and mulched. Seeding shall be done before the proposed seedbed becomes eroded, crusted over, or dried out and shall not be done when the ground is frozen, or covered with snow. The seed shall comply with the requirements of the Missouri Seed Law and the Federal Seed Act. Also, it shall contain no seed of any plant on the Federal Noxious Weed List. Other weed seeds shall not exceed one percent by weight of mix.

Seed and Fertilizer Rate:
 Mix I - Rye Grass / Blue Grass ----- 100 lbs. per Acre
 Mix II - Tall Fescue / Blue Grass ----- 195 lbs. per Acre
 Lime ----- 2000 lbs per Acre (50 lbs. per 1000 sq. ft.)
 Fertilizer ----- 800 to 1200 lbs per Acre (25 lbs per 1000 sq. ft.)

During the dates December 15th through May 31 ALL lime fertilizer, seed and mulch shall be applied to finished slopes of disturbed areas. During the months of June, July, October and November 1st through December 15th, lime fertilizer, seed and mulch shall be applied at the following rates:

Lime - 100% of specified quantity
 Fertilizer - 75% of the specified quantity
 Seed - 50% of the specified quantity
 Mulch - 100% of the specified quantity

Mulch shall be Vegetative type, cereal straw from stalks of oats, rye, or barley, or approved equal. The straw shall be free of prohibited weed seed and relatively free of all other noxious and undesirable seed. Mulch shall be applied at the rate of 2 tons per acre, (70 to 90 lbs per 1000 sq. ft.). Mulch shall be embedded by a mulch anchoring tool or disk type roller having flat serrated disks spaced not more than 10 inches apart and cleaning scrapers shall be provided.

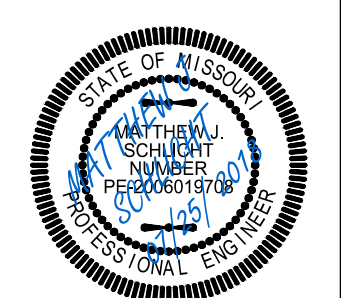


Professional Registration
 Missouri
 Engineering 200502188-D
 Surveying 20050019-D
 Kansas
 Engineering E-1695
 Surveying LS-218
 Oklahoma
 Engineering 62-54
 Nebraska
 Engineering CA2821

View High Project
 Lee's Summit, Jackson County, Missouri

Project:
 View High Drive
 Issue Date:
 October, 2015

Final Restoration Plan
 Sanitary Sewer Construction Plans for:
 View High Project
 Lee's Summit, Jackson County, Missouri

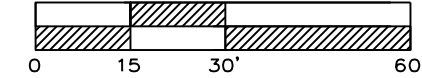


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 KS PE 19071
 OK PE 25226

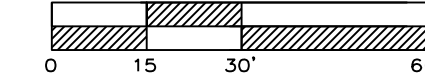
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Record Drawing

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STREAM RESTORATION PLAN STA: 2+13.60
SCALE: 1" = 30'

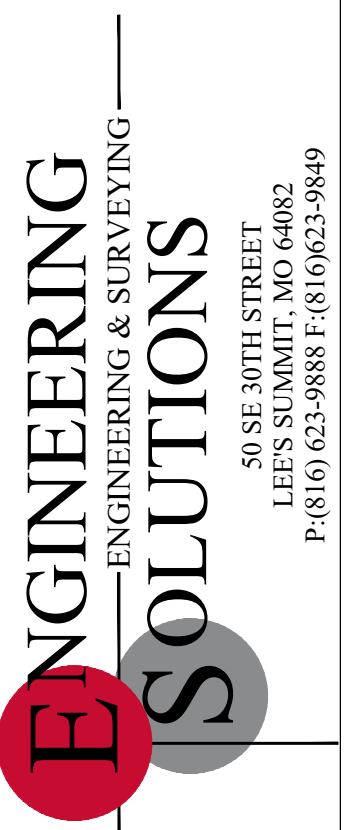


STREAM RESTORATION PLAN STA: 25+66.30
SCALE: 1" = 30'



Record Drawing

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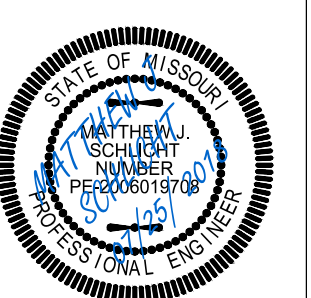


Professional Registration
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Engineering CA2821

View High Project
Lee's Summit, Jackson County, Missouri

Project:
View High Drive
Lee's Summit
October, 2015

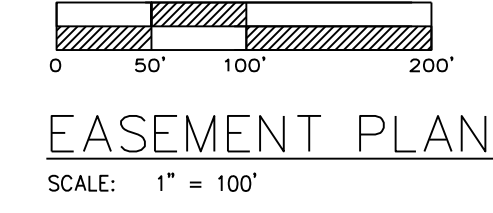
Stream Restoration Plan
Sanitary Sewer Construction Plans for:
View High Project
Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht
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REVISIONS
7/2/18 - As-Built

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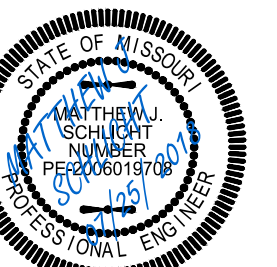


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View High Project
Lee's Summit, Jackson County, Missouri

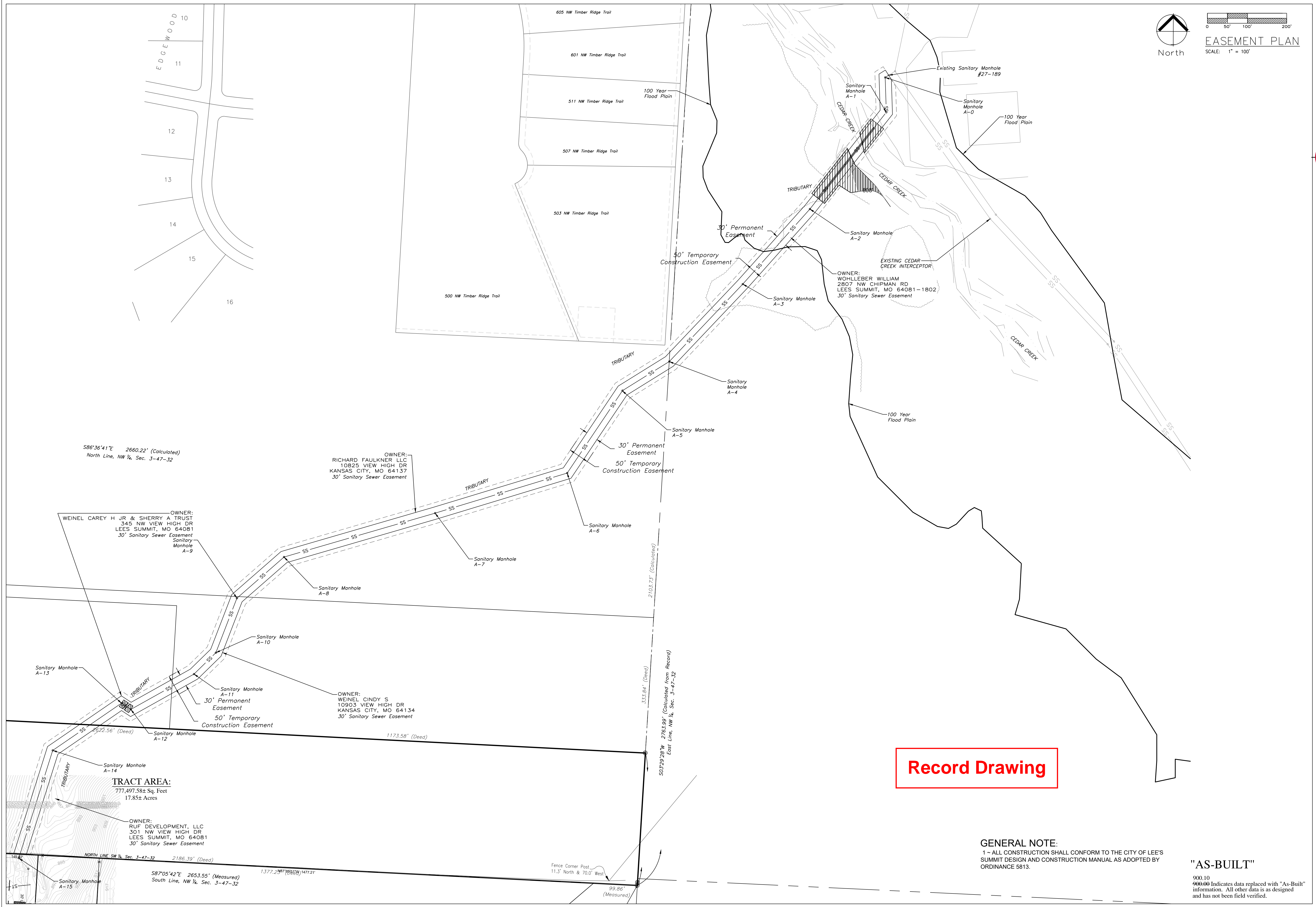
Project:
View High Drive
Issue Date:
October, 2015

Easement Plan
Sanitary Sewer Construction Plans for:
View High Project
Lee's Summit, Jackson County, Missouri



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

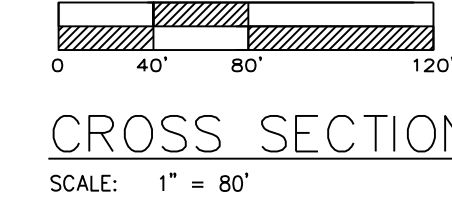
REVISIONS
7/2/18 - As-Built



Record Drawing

GENERAL NOTE:
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CROSS SECTION PLAN



Record Drawing

"AS-BUILT"

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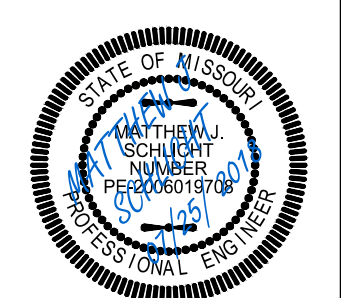


Professional Registration
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Surveying 200500019-D
Kansas
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View High Project
Lee's Summit, Jackson County, Missouri

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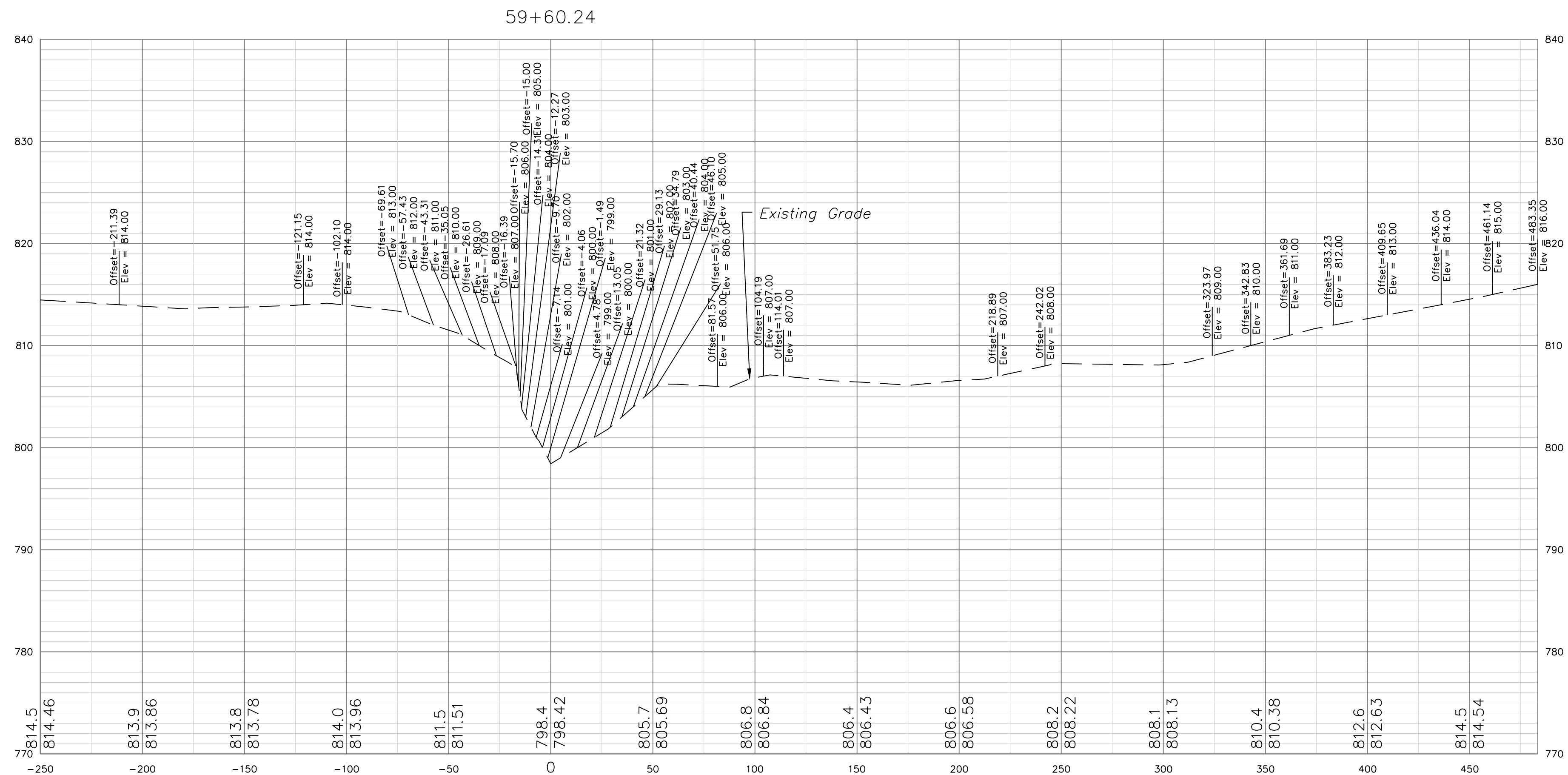
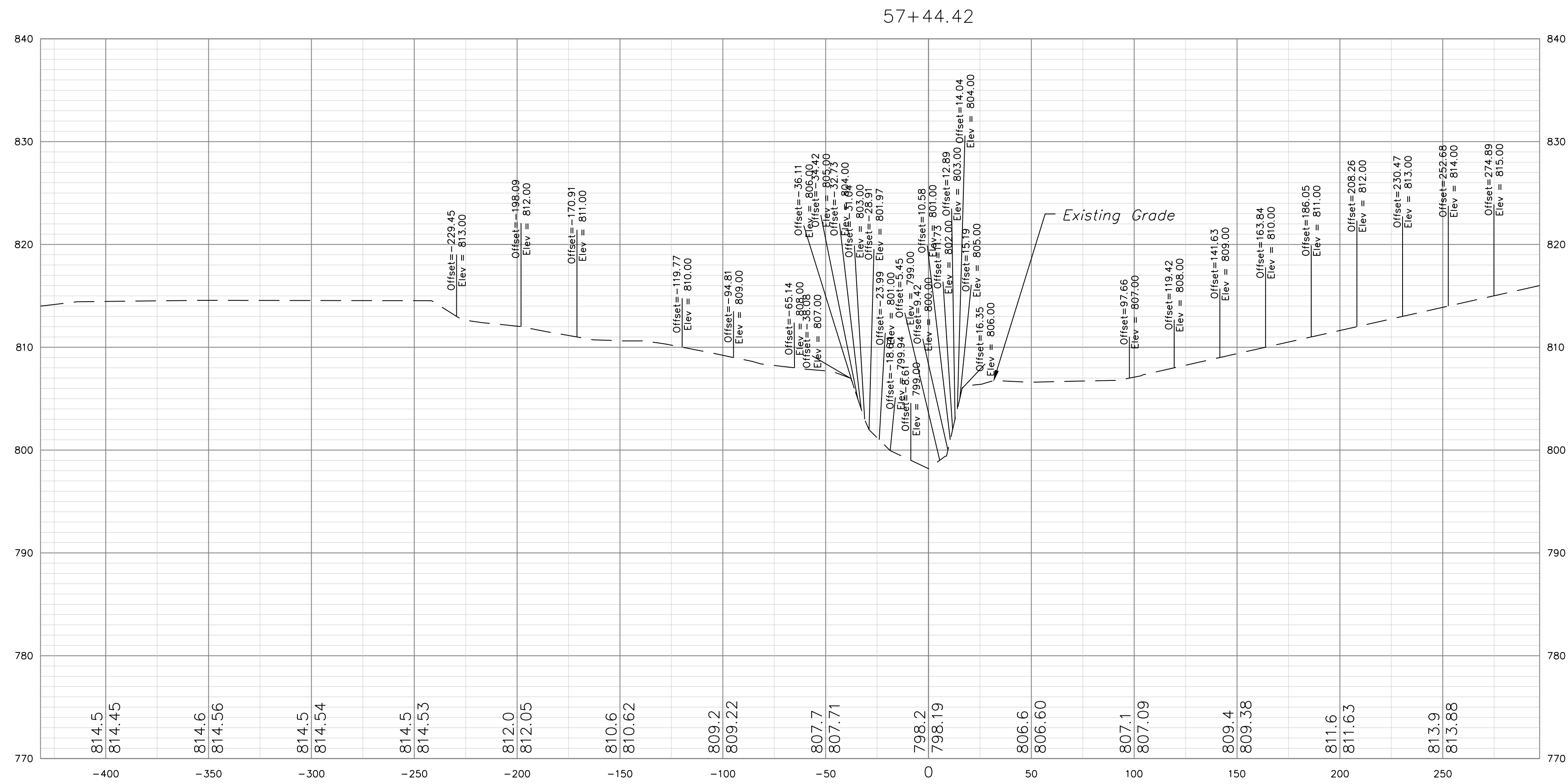
Cross Section Plan
Sanitary Sewer Construction Plans for:
View High Project
Lee's Summit, Jackson County, Missouri



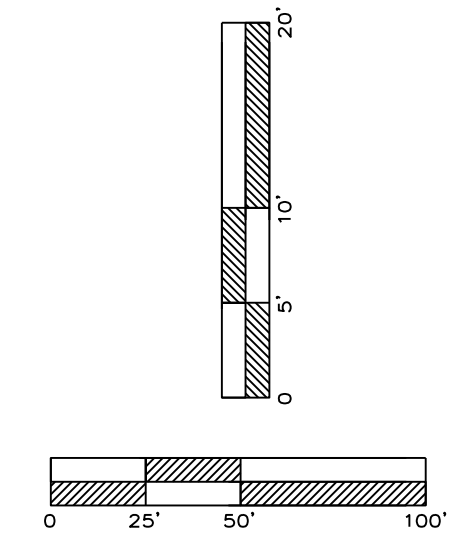
Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226

REVISIONS
7/2/18 - As-Built

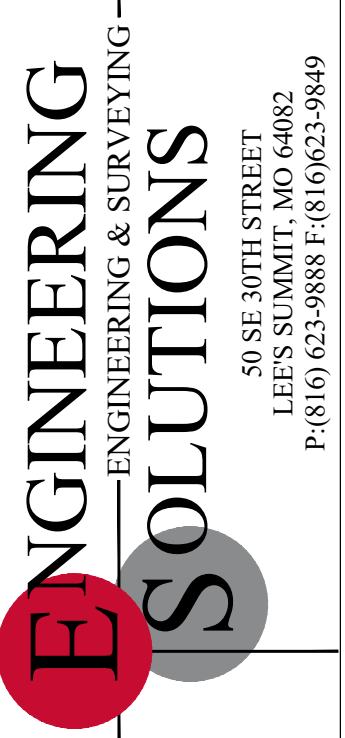
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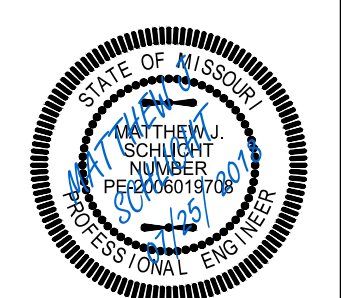


Professional Registration
 Missouri
 Engineering 2005002188-D
 Surveying 2005003819-D
 Kansas
 Engineering E-1696
 Surveying LS-218
 Oklahoma
 Engineering 6254
 Nebraska
 Engineering CA2821

View High Project
 Lee's Summit, Jackson County, Missouri

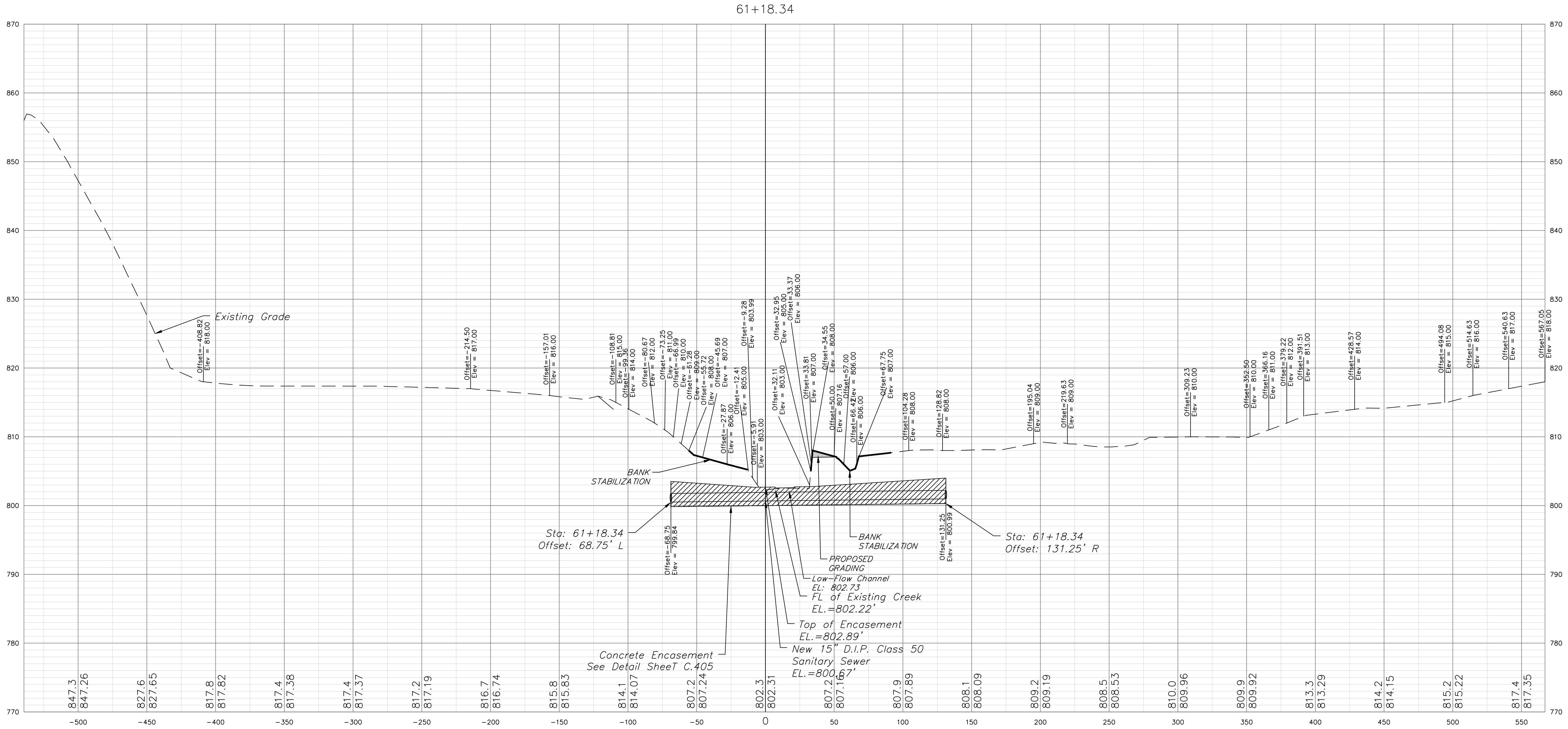
Project:
 View High Drive
 Issue Date:
 October, 2015

Cross Sections
 Sanitary Sewer Construction Plans for:
 View High Project
 Lee's Summit, Jackson County, Missouri



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

REVISIONS
 7/2/18 - As-Built



61+18.34

Sta: 61+18.34
Offset: 68.75' L

Sta: 61+18.34
Offset: 131.25' R

Concrete Encasement
See Detail Sheet C.405

New 15" D.I.P. Class 50
Sanitary Sewer
EL.=800.67'

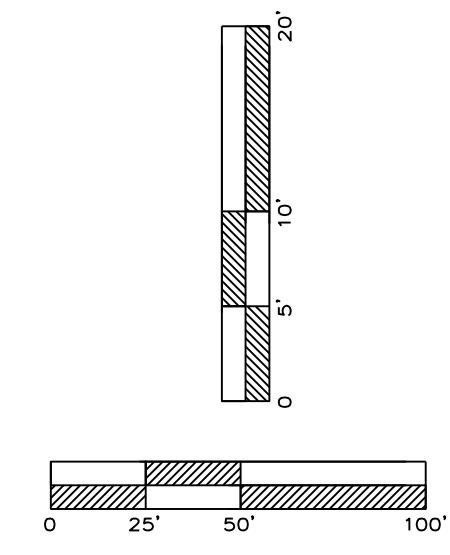
Top of Encasement
EL.=802.89'

FL of Existing Creek
EL.=802.22'

Low-Flow Channel
EL.=802.73'

PROPOSED GRADING

BANK STABILIZATION



Record Drawing

"AS-BUILT"
900.10
~~900.00~~ Indicates data replaced with "As-Built"
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and has not been field verified.

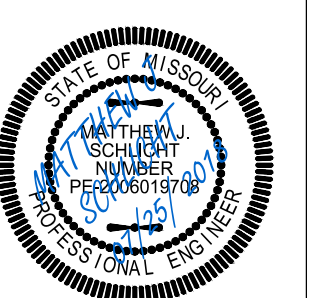


Professional Registration
Missouri
Engineering 2005002188-D
Surveying 200500019-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

Project:
View High Drive
Issue Date:
October, 2015

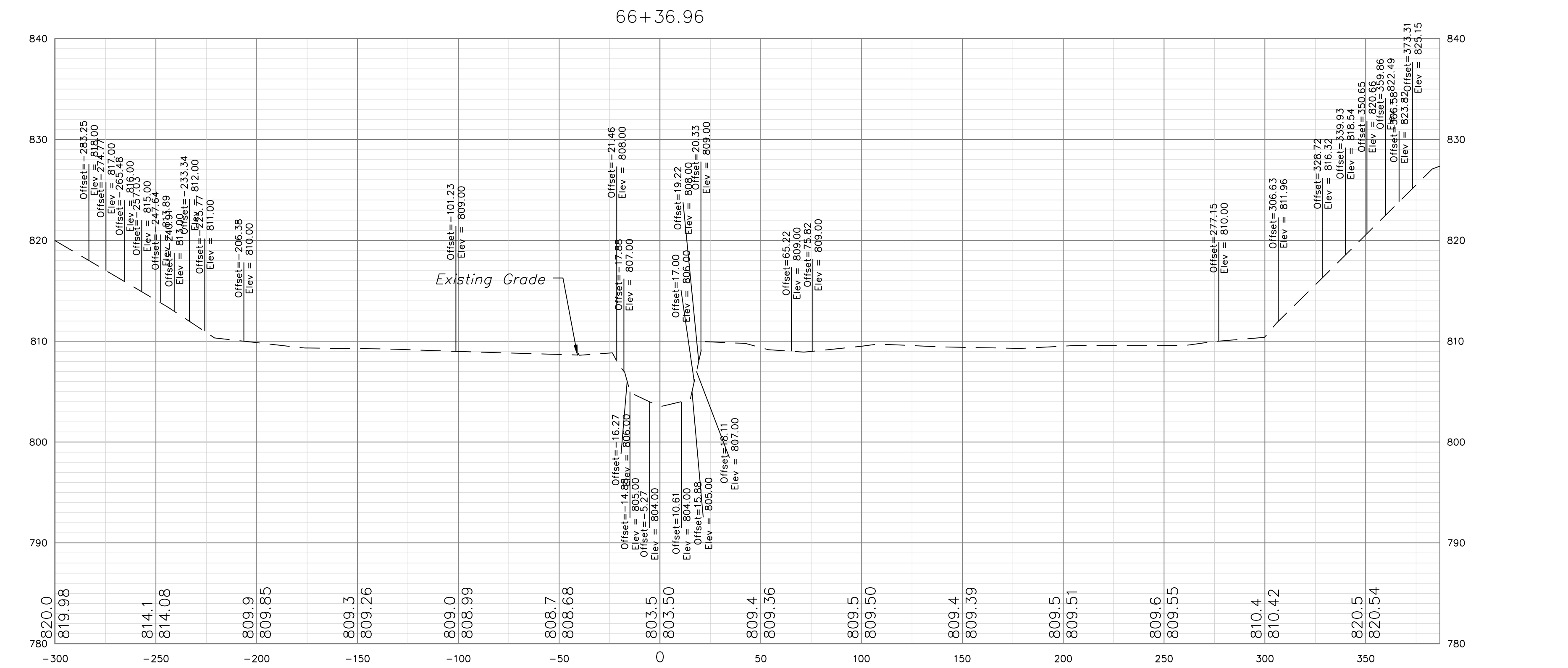
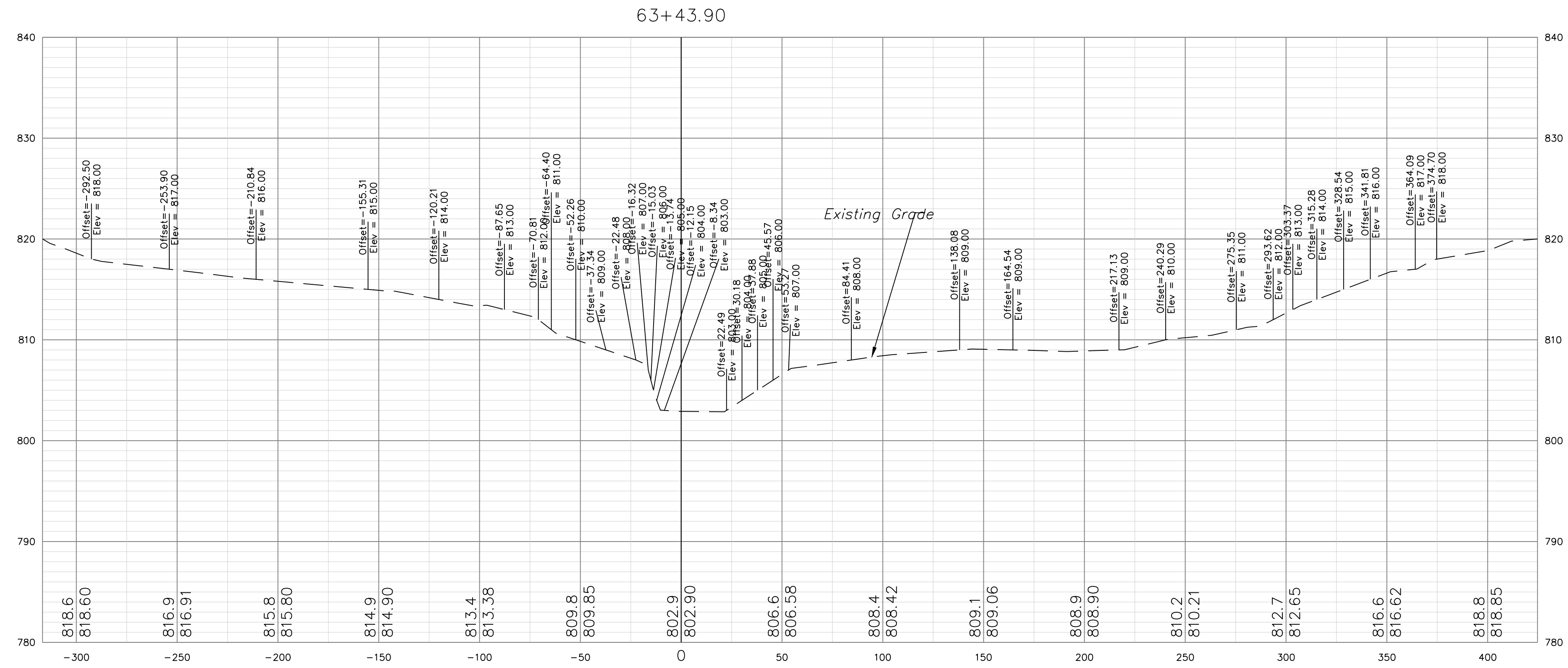
Cross Sections
Sanitary Sewer Construction Plans for:
View High Project
Lee's Summit, Jackson County, Missouri

View High Project
Lee's Summit, Jackson County, Missouri



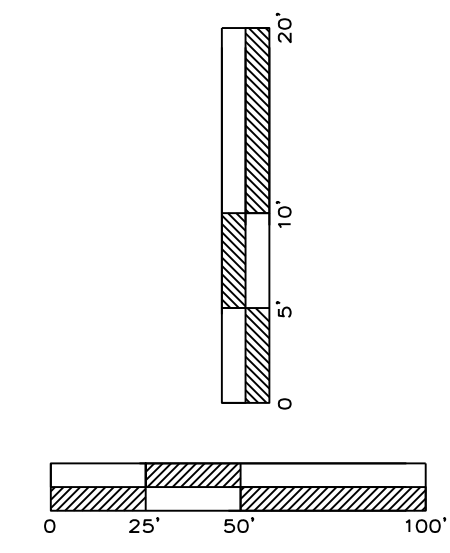
Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226

REVISIONS
7/2/18 - As-Built



Record Drawing

"AS-BUILT"
 900.10
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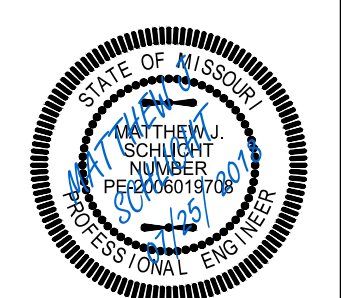


Professional Registration
 Missouri
 Engineering 2005002185-D
 Surveying 200500319-D
 Kansas
 Engineering E-1695
 Surveying LS-218
 Oklahoma
 Engineering 62-4
 Nebraska
 Engineering CA2821

View High Project
 Lee's Summit, Jackson County, Missouri

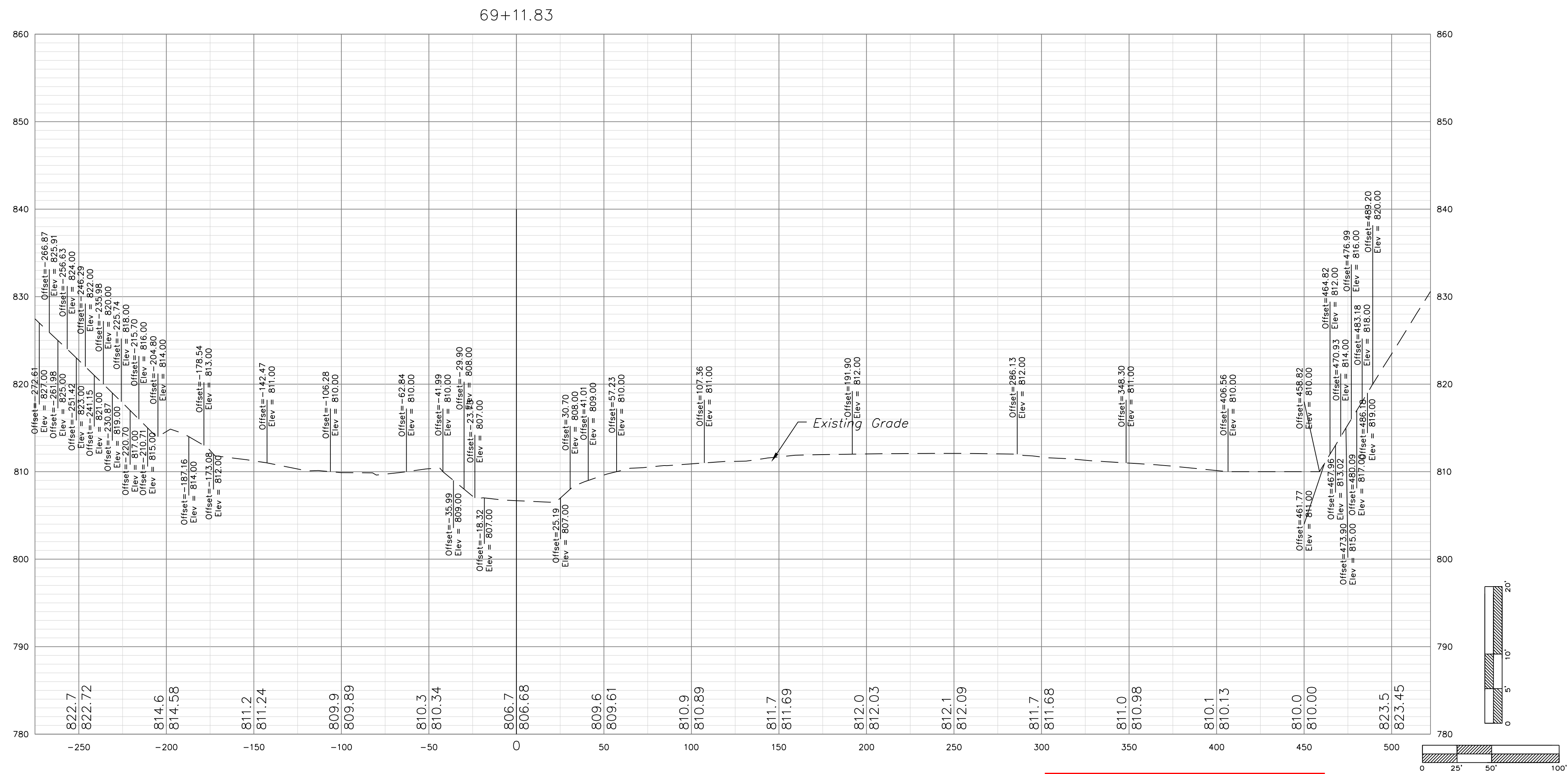
Project:
 View High Drive
 Issue Date:
 October, 2015

Cross Sections
 Sanitary Sewer Construction Plans for:
 View High Project
 Lee's Summit, Jackson County, Missouri



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

REVISIONS
 7/2/18 - As-Built



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 KS PE 19071
 OK PE 25226

REVISIONS

7/2/18 - As-Built

Project:
 View High Drive
 Issue Date:
 October, 2015

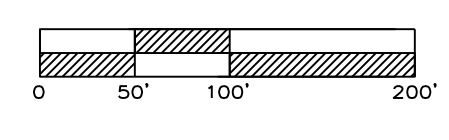
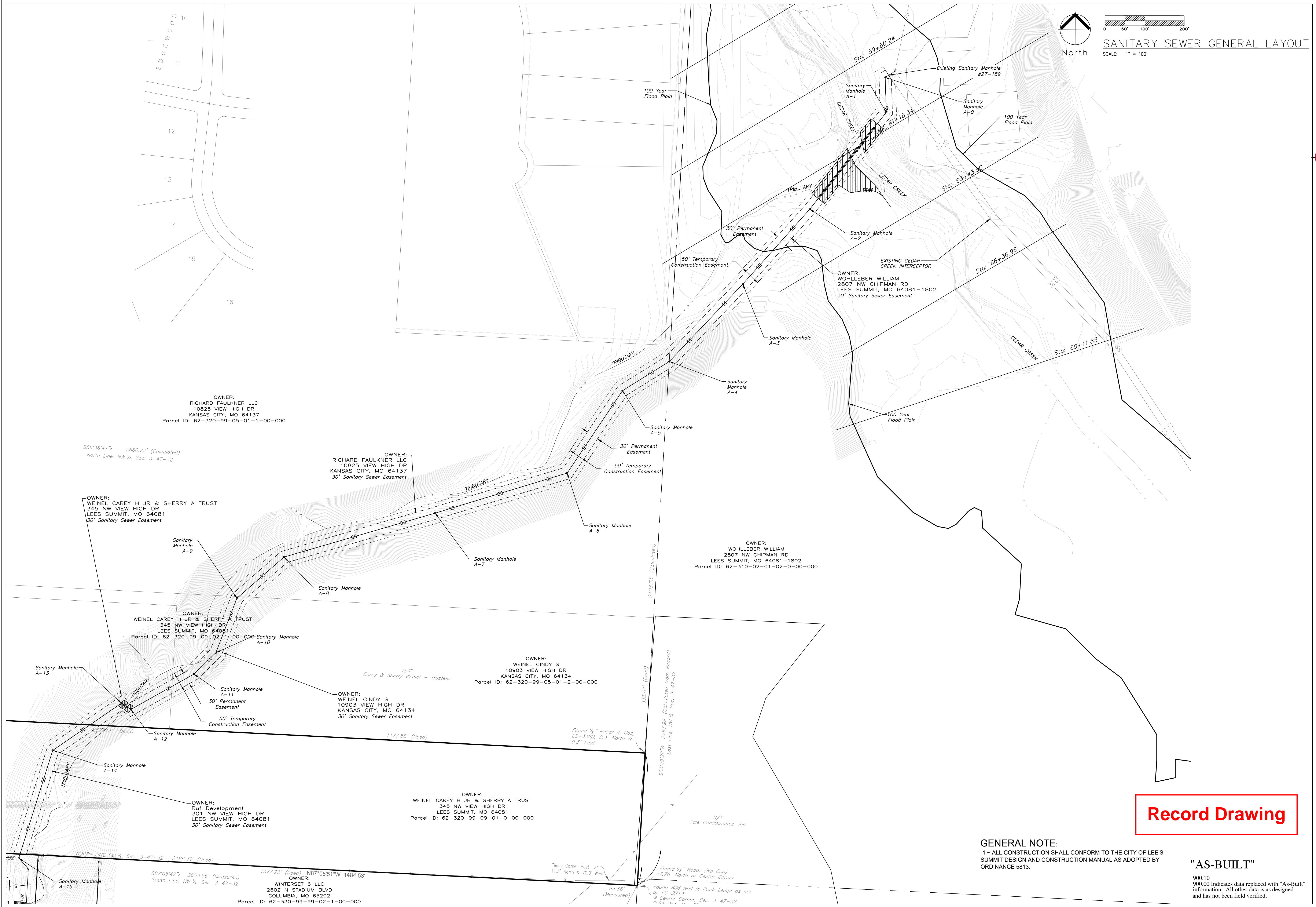
Cross Sections
 Sanitary Sewer Construction Plans for:
 View High Project
 Lee's Summit, Jackson County, Missouri

View High Project
 Lee's Summit, Jackson County, Missouri

Professional Registration
 Missouri
 Engineering 200502188-D
 Surveying 200503019-D
 Kansas
 Engineering E-1695
 Surveying LS-218
 Oklahoma
 Engineering 6254
 Nebraska
 Engineering CA2821



50 SE 30TH STREET
 LEE'S SUMMIT, MO 64082
 P:(816) 623-9888 F:(816) 623-9849



SANITARY SEWER GENERAL LAYOUT

SCALE: 1" = 100'

OWNER:
RICHARD FAULKNER LLC
10825 VIEW HIGH DR
KANSAS CITY, MO 64137
Parcel ID: 62-320-99-05-01-1-00-000

OWNER:
RICHARD FAULKNER LLC
10825 VIEW HIGH DR
KANSAS CITY, MO 64137
30' Sanitary Sewer Easement

OWNER:
WEINEL CAREY H JR & SHERRY A TRUST
345 NW VIEW HIGH DR
LEES SUMMIT, MO 64081
30' Sanitary Sewer Easement

OWNER:
WEINEL CAREY H JR & SHERRY A TRUST
345 NW VIEW HIGH DR
LEES SUMMIT, MO 64081
Parcel ID: 62-320-99-09-02-1-00-000
Sanitary Manhole A-10

OWNER:
WEINEL CINDY S
10903 VIEW HIGH DR
KANSAS CITY, MO 64134
Parcel ID: 62-320-99-05-01-2-00-000

OWNER:
WEINEL CINDY S
10903 VIEW HIGH DR
KANSAS CITY, MO 64134
30' Sanitary Sewer Easement

OWNER:
Ruf Development
301 NW VIEW HIGH DR
LEES SUMMIT, MO 64081
30' Sanitary Sewer Easement

OWNER:
WEINEL CAREY H JR & SHERRY A TRUST
345 NW VIEW HIGH DR
LEES SUMMIT, MO 64081
Parcel ID: 62-320-99-09-01-0-00-000

OWNER:
WOHLEBER WILLIAM
2807 NW CHIPMAN RD
LEES SUMMIT, MO 64081-1802
Parcel ID: 62-310-02-01-02-0-00-000

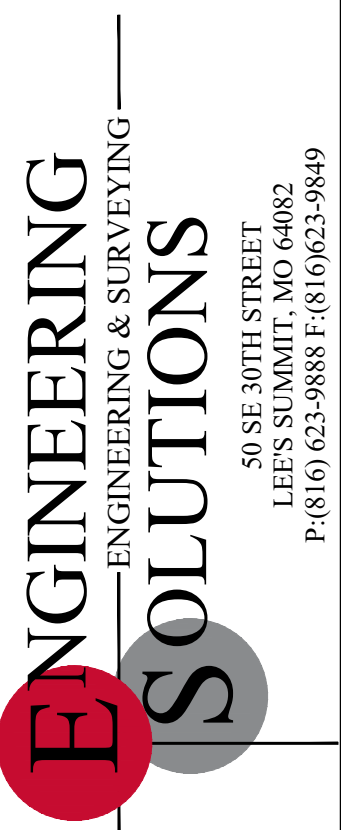
OWNER:
WOHLEBER WILLIAM
2807 NW CHIPMAN RD
LEES SUMMIT, MO 64081-1802
30' Sanitary Sewer Easement

OWNER:
WINTERSET 6 LLC
2602 N STADIUM BLVD
COLUMBIA, MO 65202
Parcel ID: 62-330-99-99-02-1-00-000

Record Drawing

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

"AS-BUILT"
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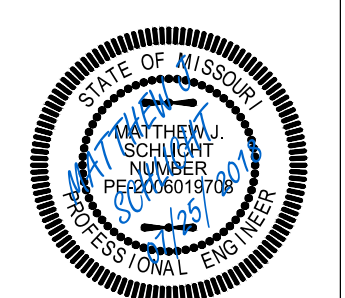


Professional Registration
Missouri
Engineering 2005002185-D
Surveying 200500019-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

View High Project
Lee's Summit, Jackson County, Missouri

Project:
View High Drive
Issue Date:
October, 2015

Sanitary Sewer General Layout
Sanitary Sewer Construction Plans for:
View High Project
Lee's Summit, Jackson County, Missouri

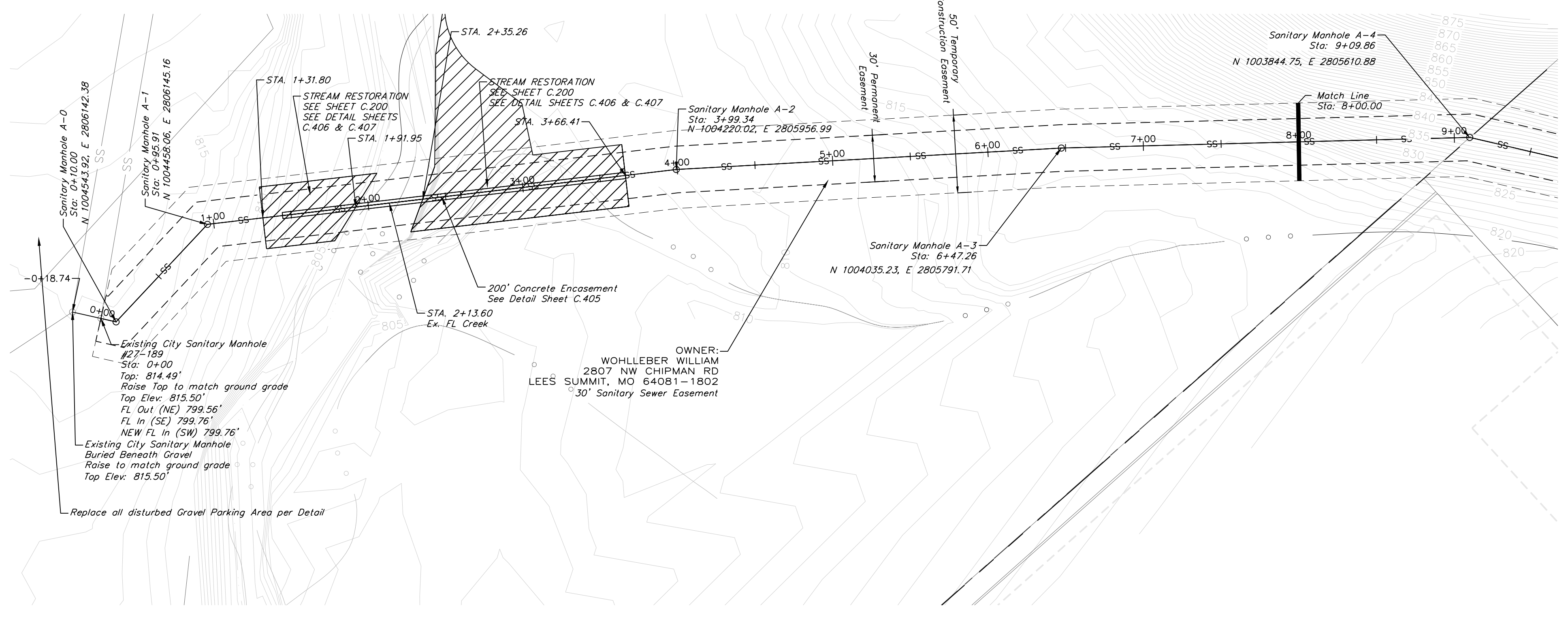
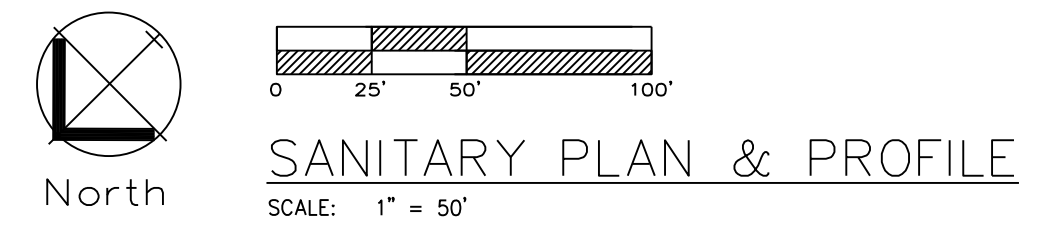
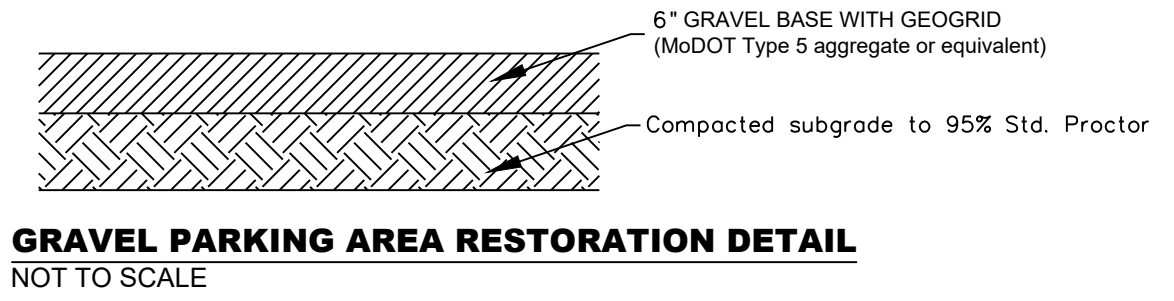


Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226

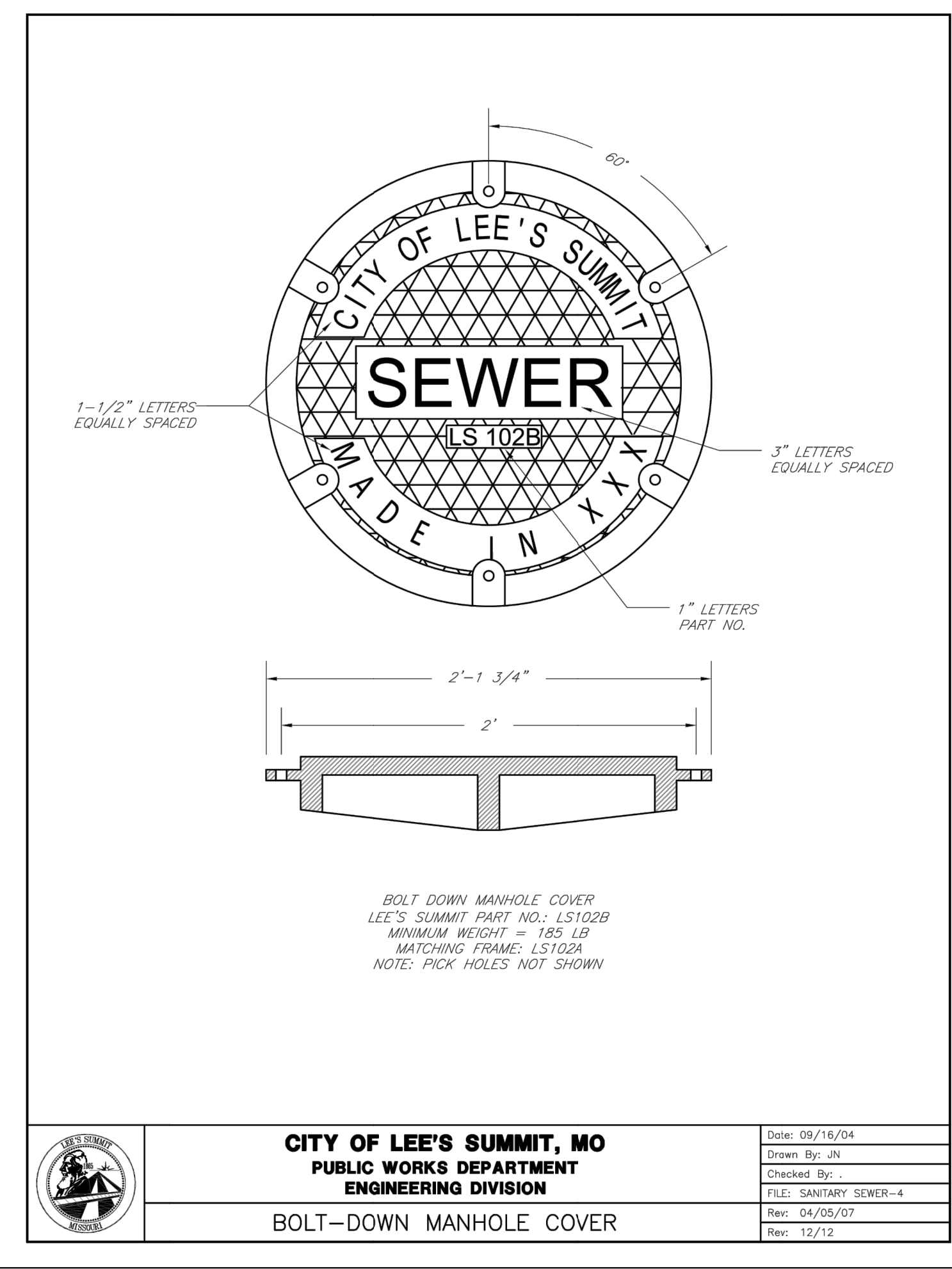
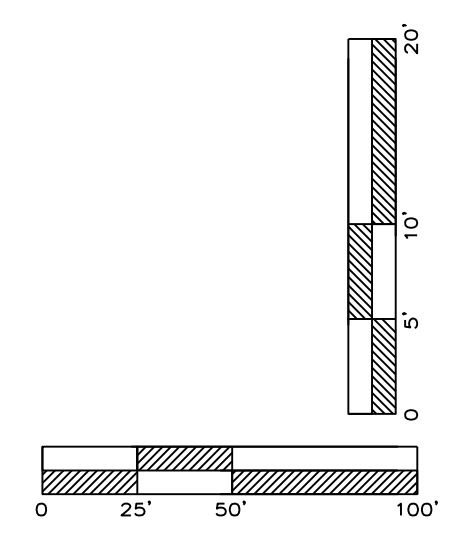
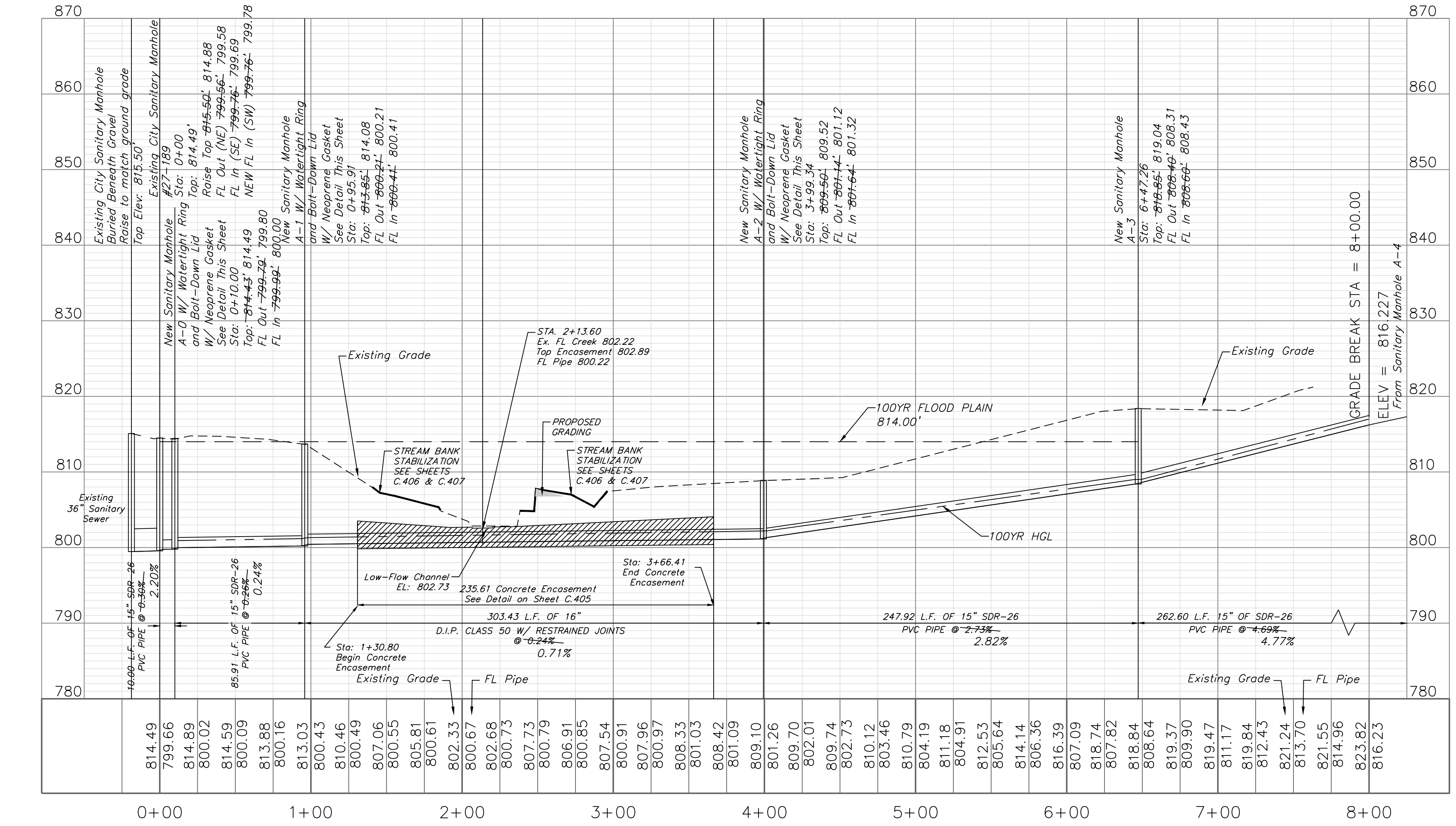
REVISIONS
7/2/18 - As-Built

C. 401

GENERAL NOTE:
 1 - ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.
 2 - INSTALL CONSTRUCTION FENCING ALONG THE TEMPORARY CONSTRUCTION EASEMENT AND/OR AT THE REQUEST OF THE PROPERTY OWNER
 3 - SITE ACCESS IS SOLELY FROM THE EASEMENTS. NO DIRECT ACCESS TO PARCELS FROM ANY OTHER LOCATION

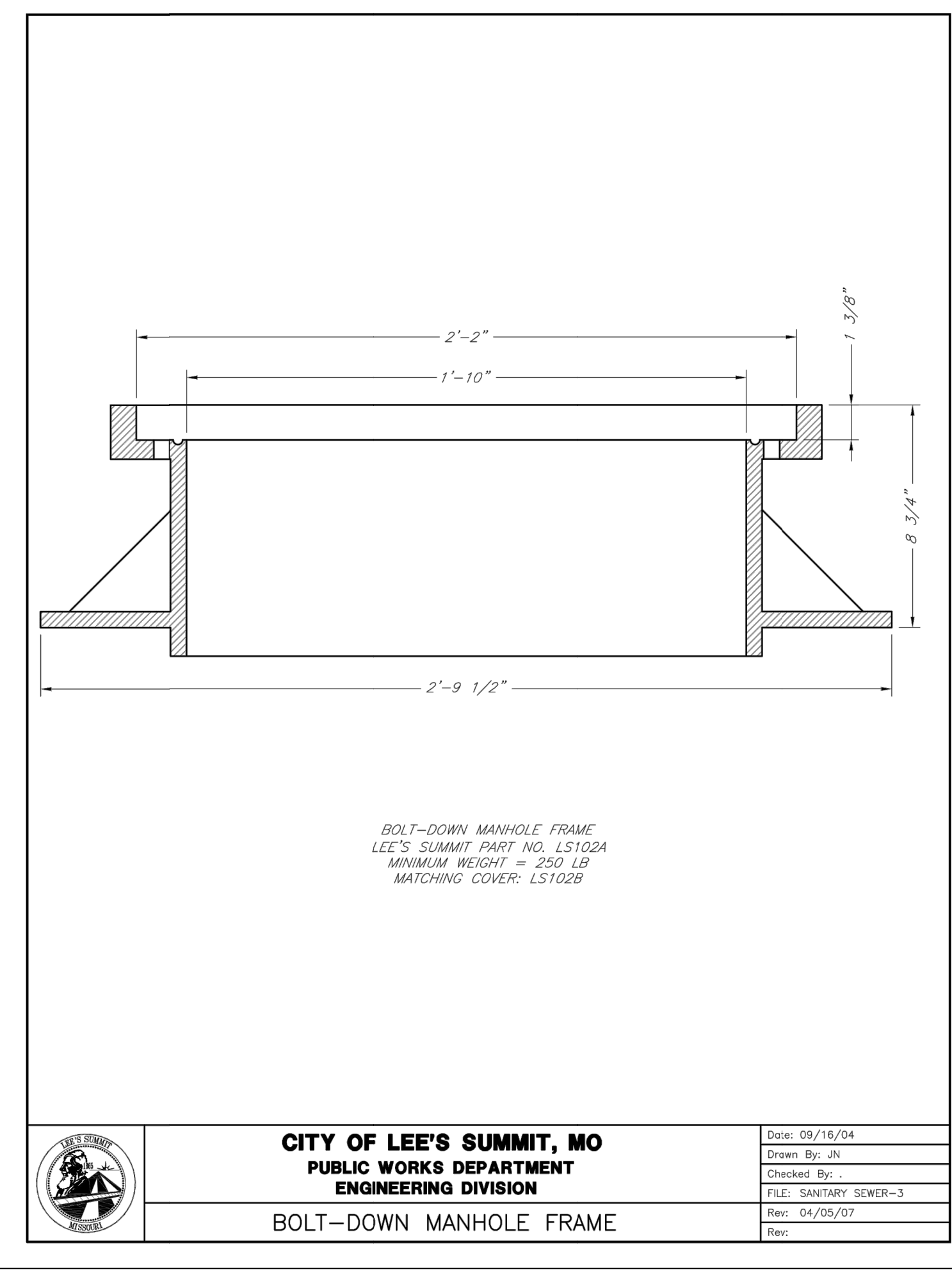


SANITARY LINE A



CITY OF LEE'S SUMMIT, MO
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
BOLT-DOWN MANHOLE COVER

Date: 09/16/04
 Drawn By: JH
 Checked By: JH
 FILE: SANITARY SEWER-4
 Rev: 04/05/07
 Rev: 12/12



CITY OF LEE'S SUMMIT, MO
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
BOLT-DOWN MANHOLE FRAME

Date: 09/16/04
 Drawn By: JH
 Checked By: JH
 FILE: SANITARY SEWER-3
 Rev: 04/05/07
 Rev:

Record Drawing

"AS-BUILT"
 900.10
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ENGINEERING SOLUTIONS
 ENGINEERING & SURVEYING
 50 SE 30TH STREET
 LEE'S SUMMIT, MO 64082
 P: (816) 623-9888 F: (816) 623-9849

Professional Registration
 Missouri
 Engineering 2005002185-D
 Surveying 200500019-D
 Kansas
 Engineering E-1695
 Surveying LS-218
 Oklahoma
 Engineering 6254
 Nebraska
 Engineering CA2821

Project: View High Drive
 Issue Date: October 2015

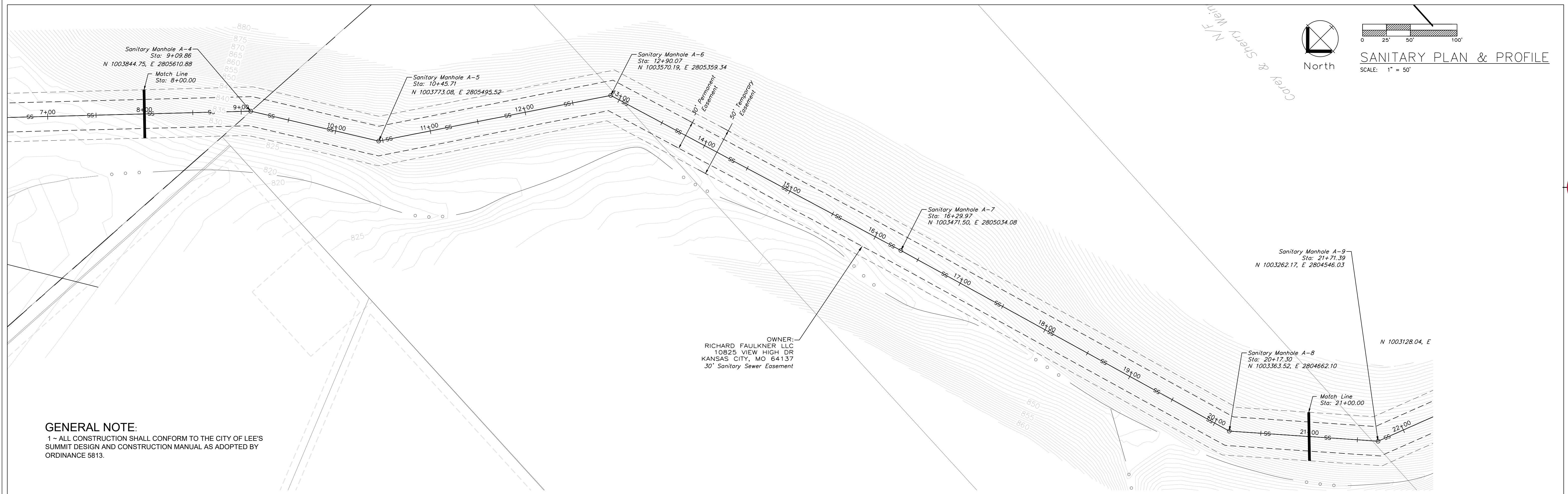
View High Project
 Lee's Summit, Jackson County, Missouri

Sanitary Plan and Profile
 Sanitary Sewer Construction Plans for:
 View High Project
 Lee's Summit, Jackson County, Missouri

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

REVISIONS
 7/2/18 - As-Built

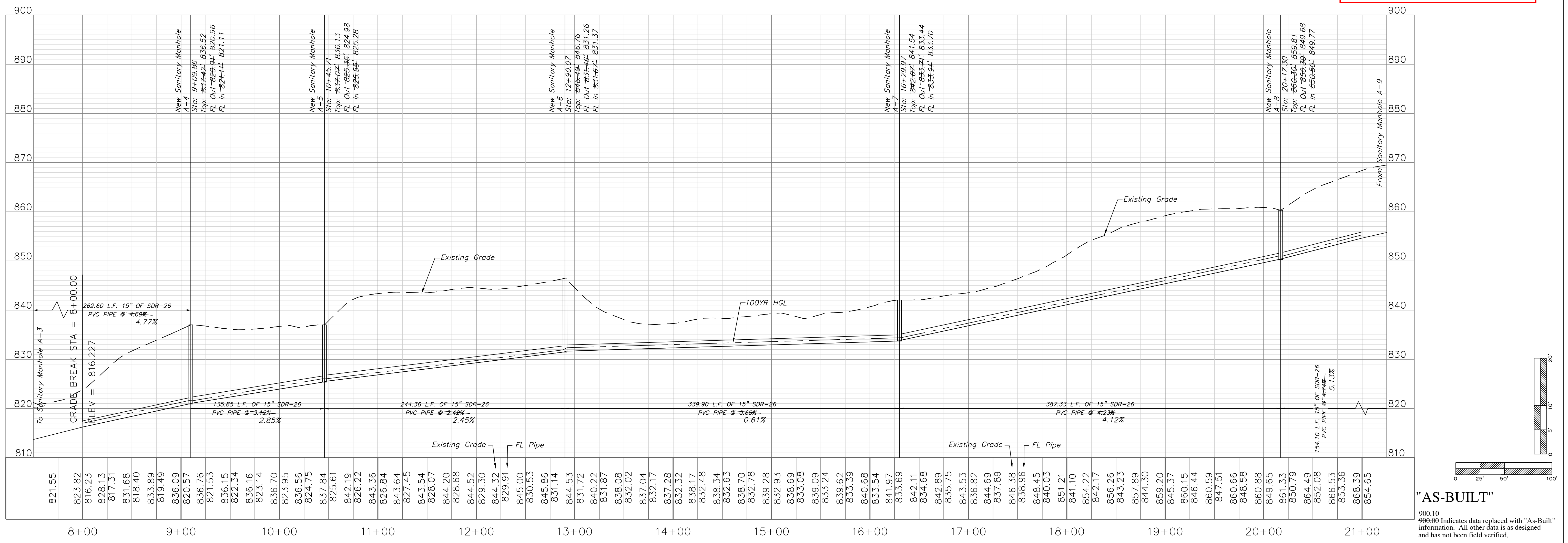
C.402



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

SANITARY LINE A

Record Drawing



"AS-BUILT"
900.10
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ENGINEERING SOLUTIONS
ENGINEERING & SURVEYING
50 SE 30TH STREET
LEE'S SUMMIT, MO 64082
P: (816) 623-9888 F: (816) 623-9849

Professional Registration
Missouri
Engineering 2005002185-D
Surveying 200500019-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

Project: View High Drive
Issue Date: October, 2015

Sanitary Plan and Profile
Sanitary Sewer Construction Plans for:
View High Project
Lee's Summit, Jackson County, Missouri

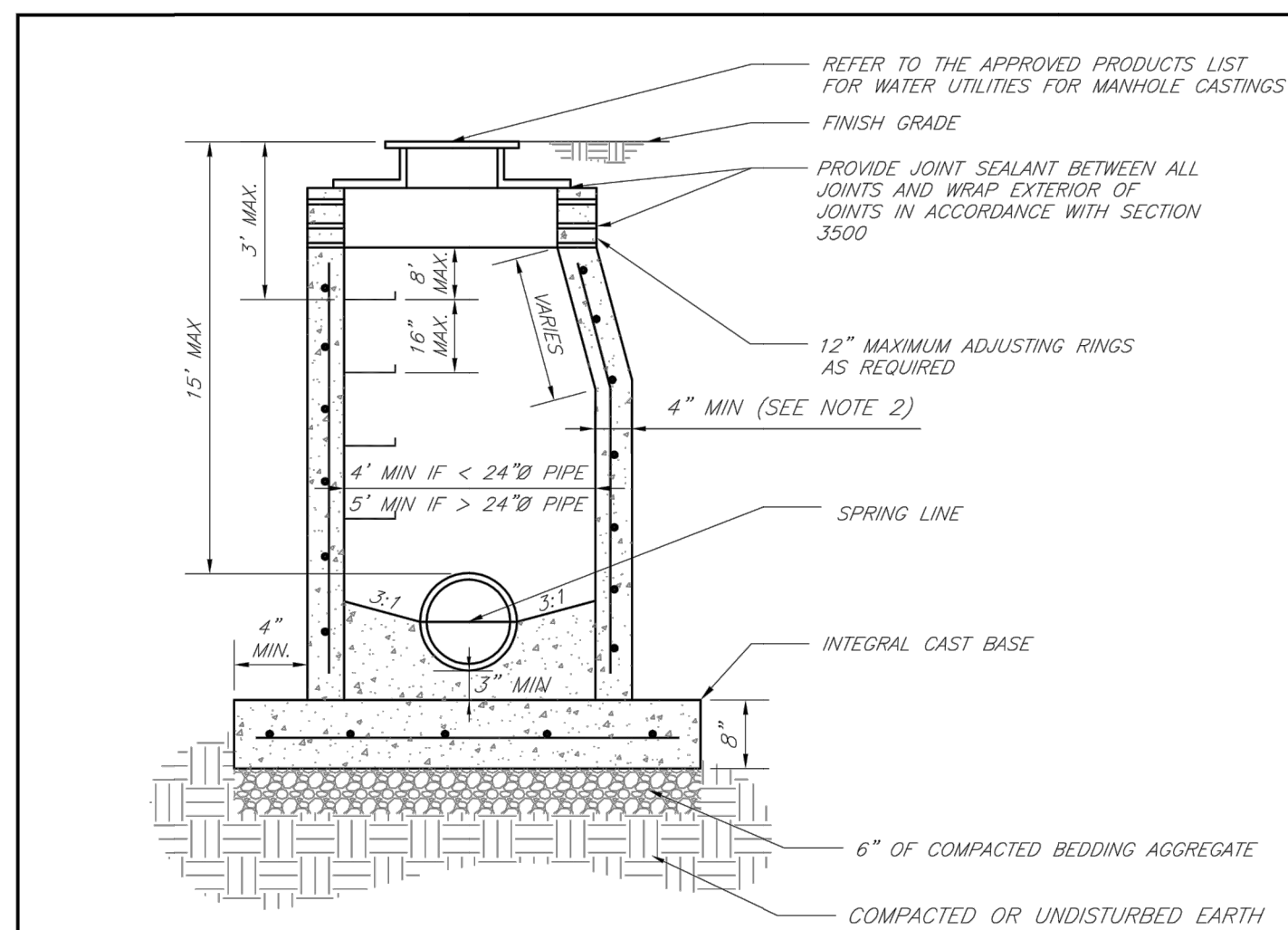
View High Project
Lee's Summit, Jackson County, Missouri

STATE OF MISSOURI
MATTHEW J. SCHLICHT
K.S. PE 2006019708
K.S. PE 19071
OK PE 23226
PROFESSIONAL ENGINEER

Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 23226

REVISIONS
7/2/18 - As-Built

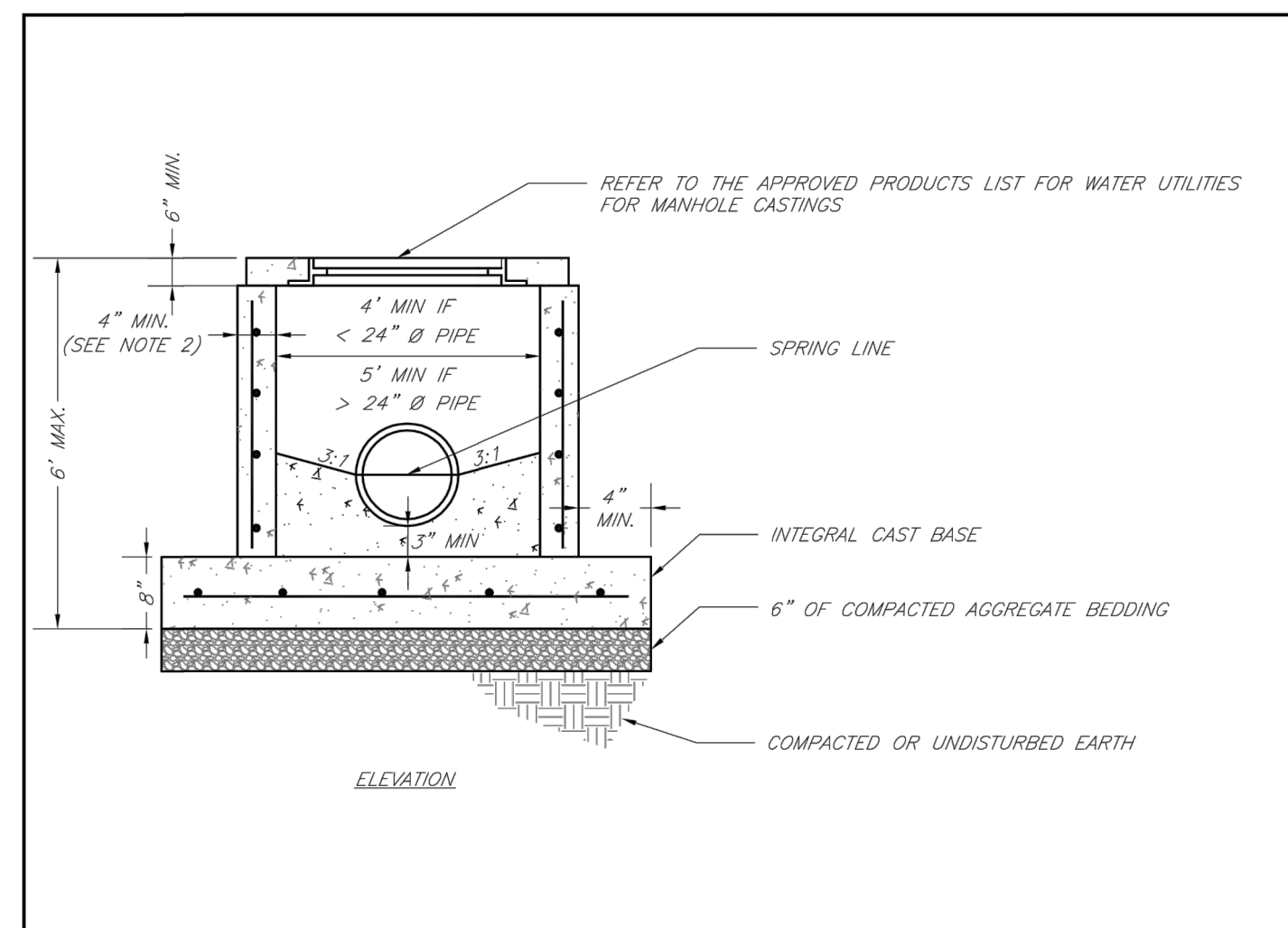
C.403



- 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 (1/12) OF THE INSIDE DIAMETER OR 4", WHICHEVER IS GREATER, SHALL BE USED WHEN THE MANHOLE DEPTH IS LESS THAN 4'.
 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.

LEE'S SUMMIT MISSOURI
 PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063
 STANDARD PRECAST MANHOLE - SANITARY SEWER

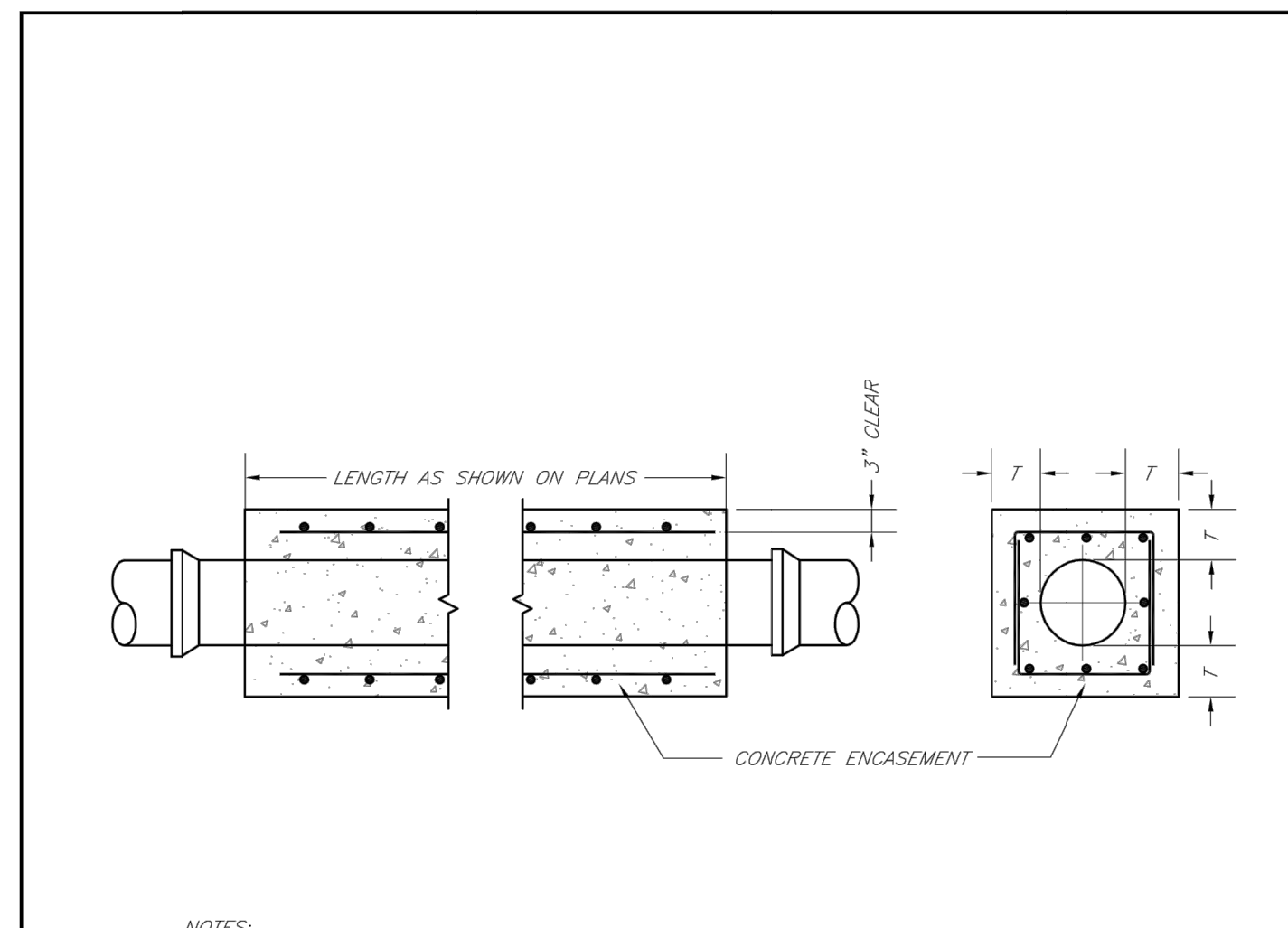
Date: 02/13
 Drawn By: JN
 Checked By: DL
 FILE: SAN-2
 Rev: 1/14
 Rev:



- 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 (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'.

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
 Rev:

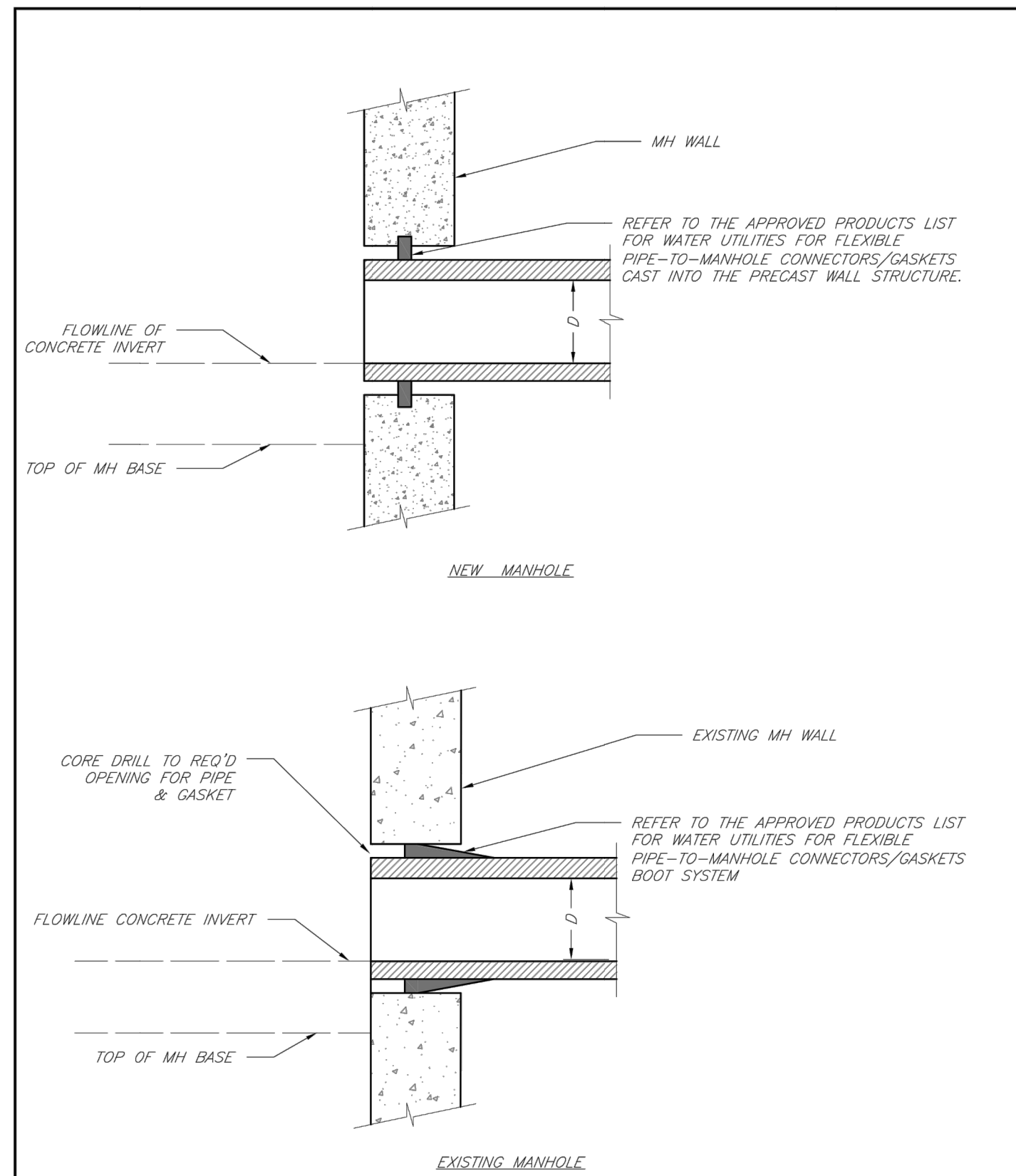


- NOTES:
1. FOR PIPES LESS THAN 15", T = 6" MIN.
 2. FOR PIPES 15" THRU 36", T = 8" MIN.
 3. INTERMEDIATE BELLS SHALL BE ENCASED.
 4. REINFORCING STEEL SHALL BE #4 @ 12" O.C. EACH WAY WITH A MINIMUM REBAR LAP OF 12".

SANITARY PIPE ENCASEMENT
 Sta. 25+66.30 to 25+94.05
 N.T.S.

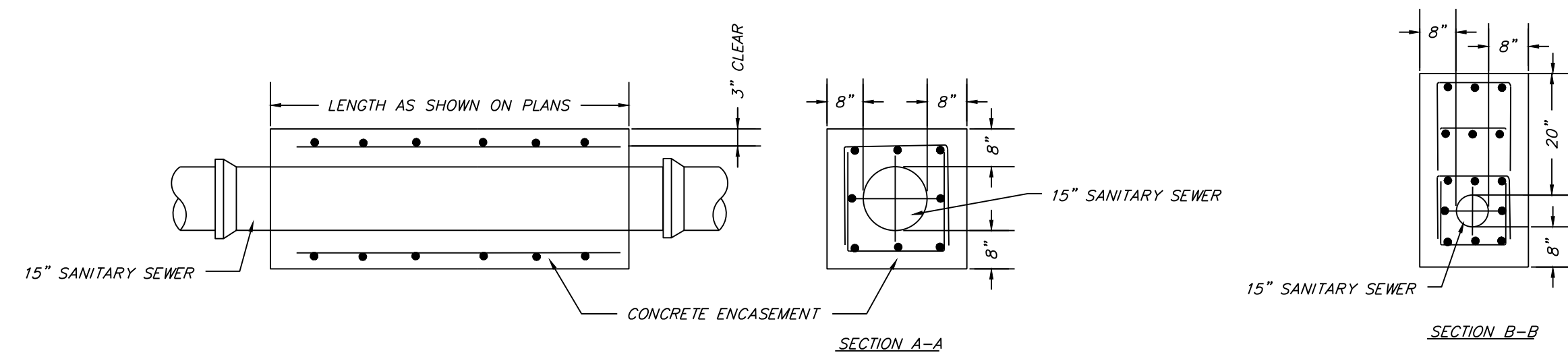
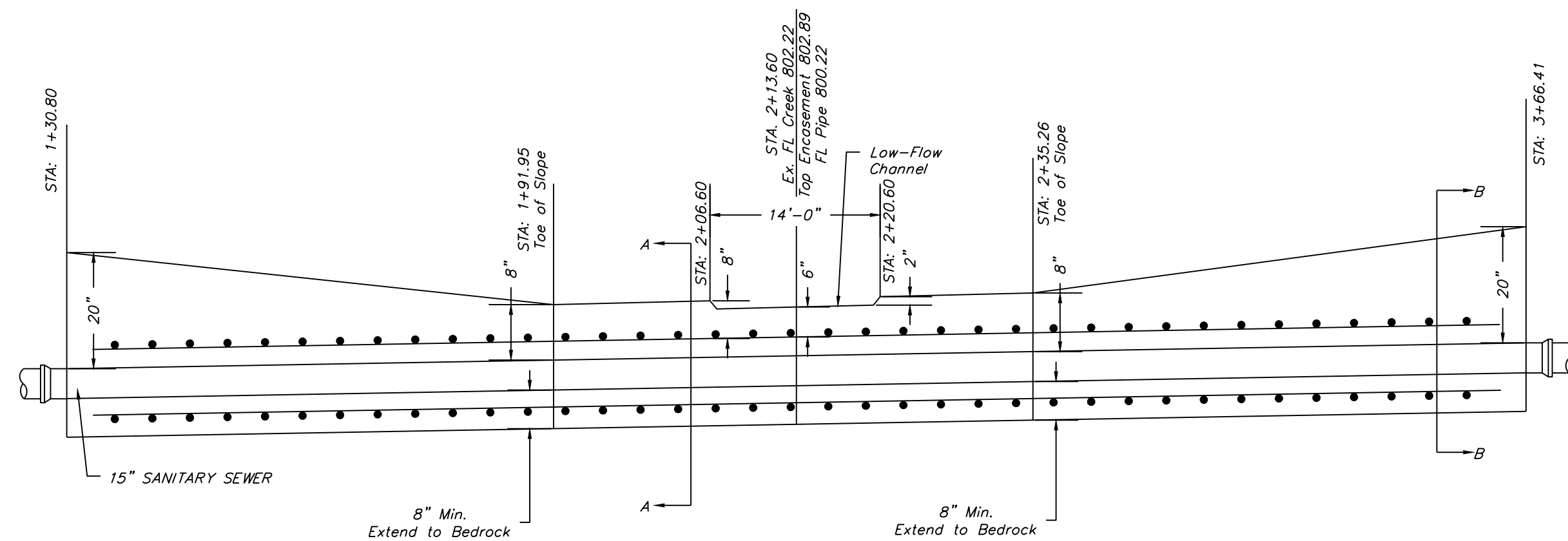
LEE'S SUMMIT MISSOURI
 PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063
 SANITARY PIPE ENCASEMENT

Date: 02/13
 Drawn By: JN
 Checked By: DL
 FILE: SAN-7
 Rev: 1/14
 Rev:



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
 Rev:



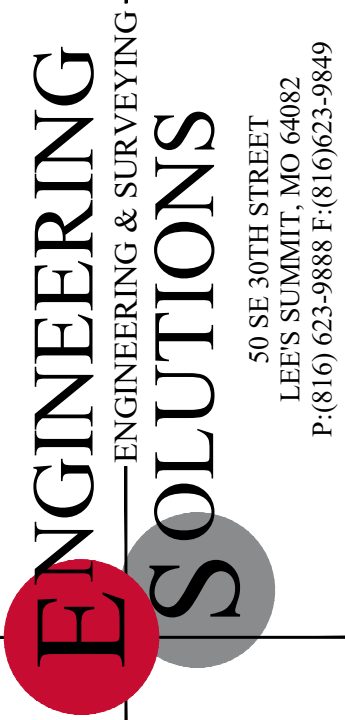
- NOTES:
1. INTERMEDIATE BELLS SHALL BE ENCASED.
 2. REINFORCING STEEL SHALL BE #4 @ 12" O.C. EACH WAY WITH A MINIMUM REBAR LAP OF 12".
 3. CONCRETE MIX TO CONFORM TO AN APPROVED KCMB-5K CONCRETE MIX DESIGN.

SANITARY PIPE ENCASEMENT
 Creek Crossing Sta. 2+13.60
 N.T.S.

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

Record Drawing

"AS-BUILT"
 900.10
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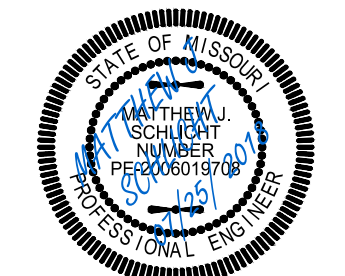


Professional Registration
 Missouri
 Engineering 2005002185-D
 Surveying 200500019-D
 Kansas
 Engineering E-1695
 Surveying LS-218
 Oklahoma
 Engineering 6254
 Nebraska
 Engineering CA2821

View High Project
 Lee's Summit, Jackson County, Missouri

Project:
 View High Drive
 Issue Date:
 October, 2015

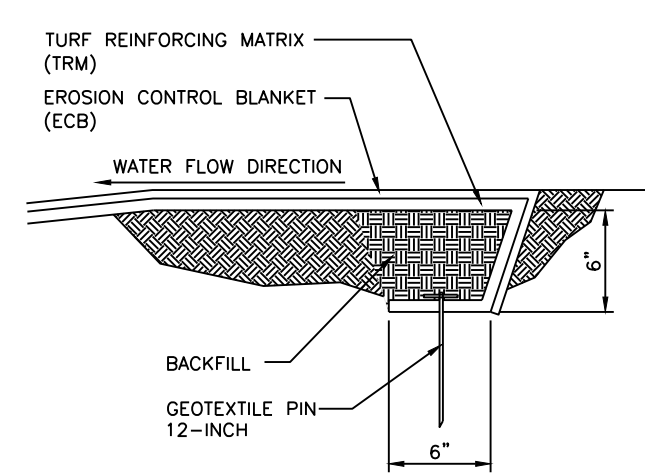
Sanitary Details
 Sanitary Sewer Construction Plans for:
 View High Project
 Lee's Summit, Jackson County, Missouri



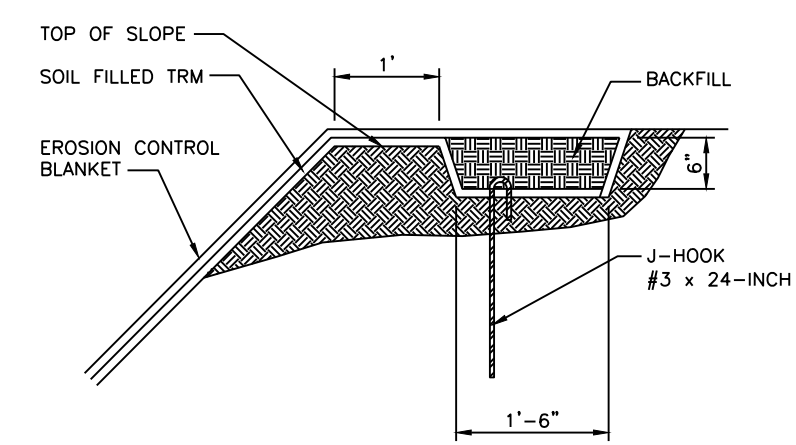
Matthew J. Schlicht
 MO PE 2006019708
 KS PE 19071
 OK PE 25226

REVISIONS
 7/2/18 - As-Built

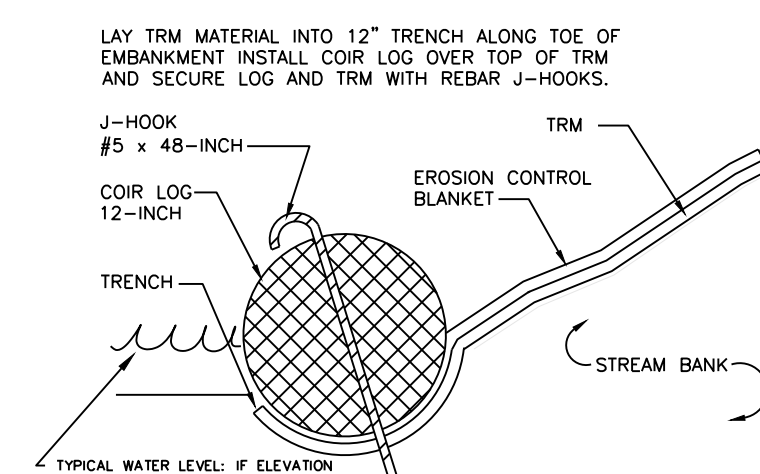
C.405



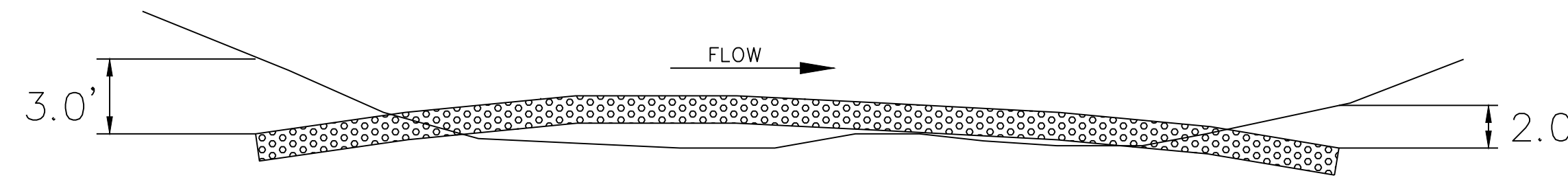
Typ. TRM Upstream Anchoring System
N.T.S.



Typ. TRM Top of Bank Anchoring System
N.T.S.



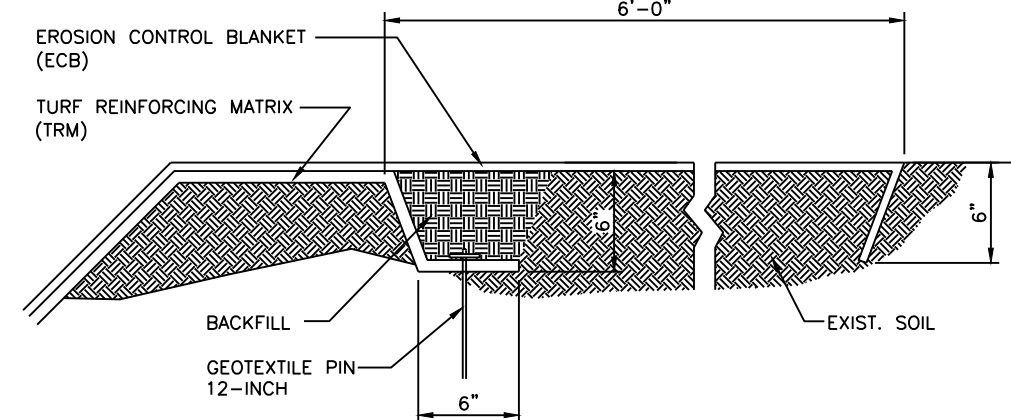
Typ. Coir Log / TRM Interface
N.T.S.



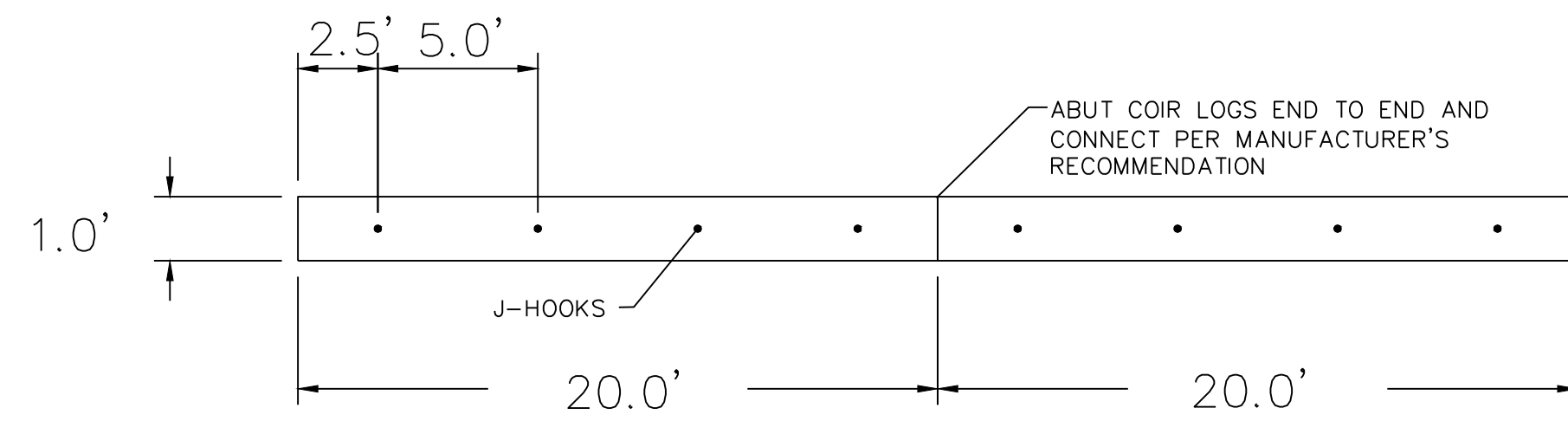
COIR LOG ALIGNMENT (SECTION VIEW)

NOTE: TRENCH AND ANCHOR COIR LOG 3 FT INTO BANK AT POINT OF ORIGIN AND 2 FT AT POINT OF TERMINATION

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

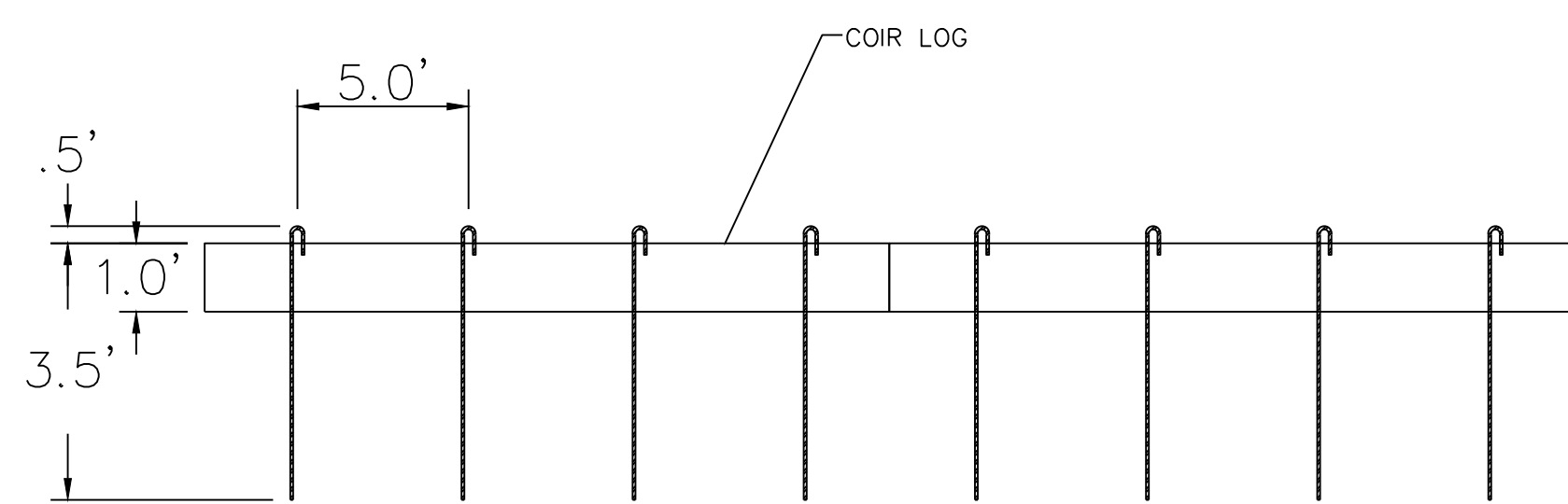


Typ. TRM Downstream Anchoring System
N.T.S.



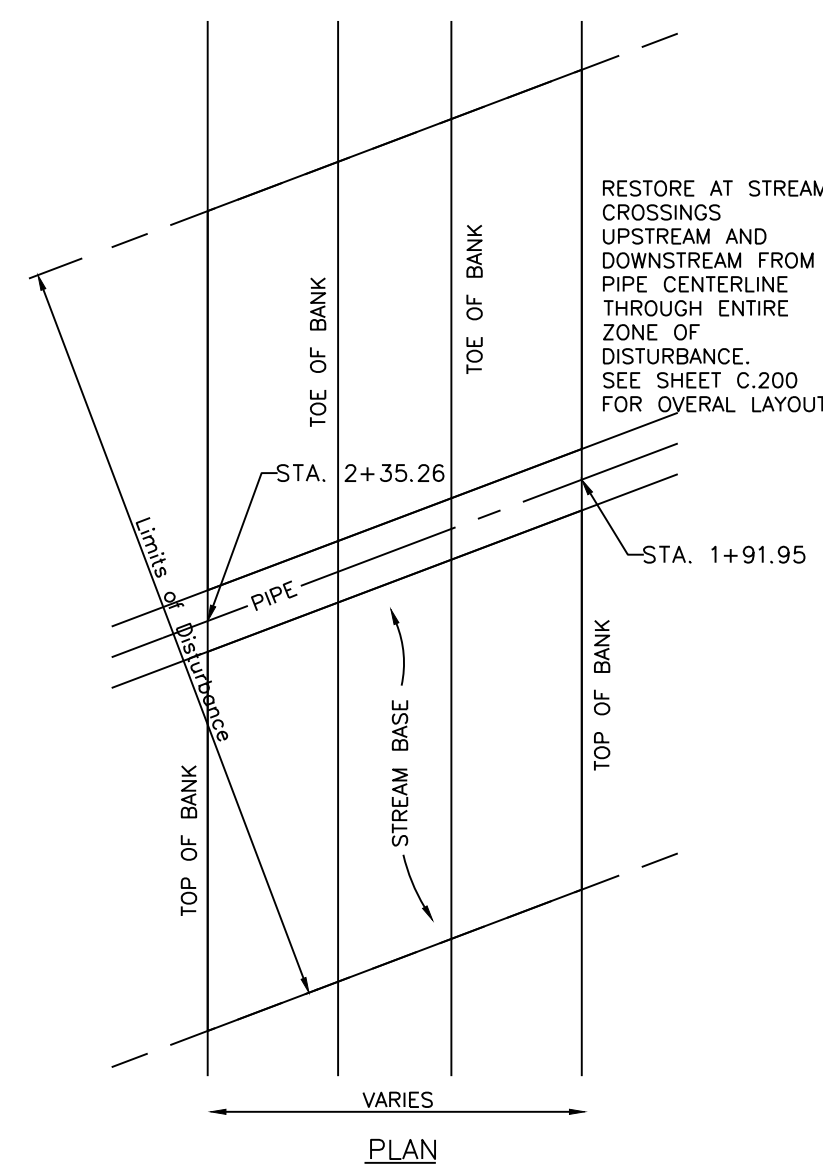
COIR LOG J-HOOK SPACING (PLAN)

NOTE: MAXIMUM COIR LOG LENGTH OF 20FT

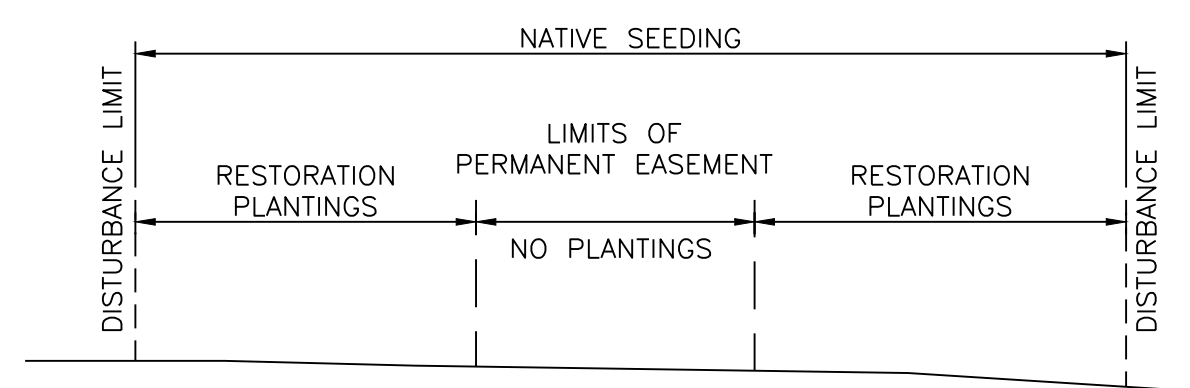


COIR LOG J-HOOK SPACING (PROFILE)

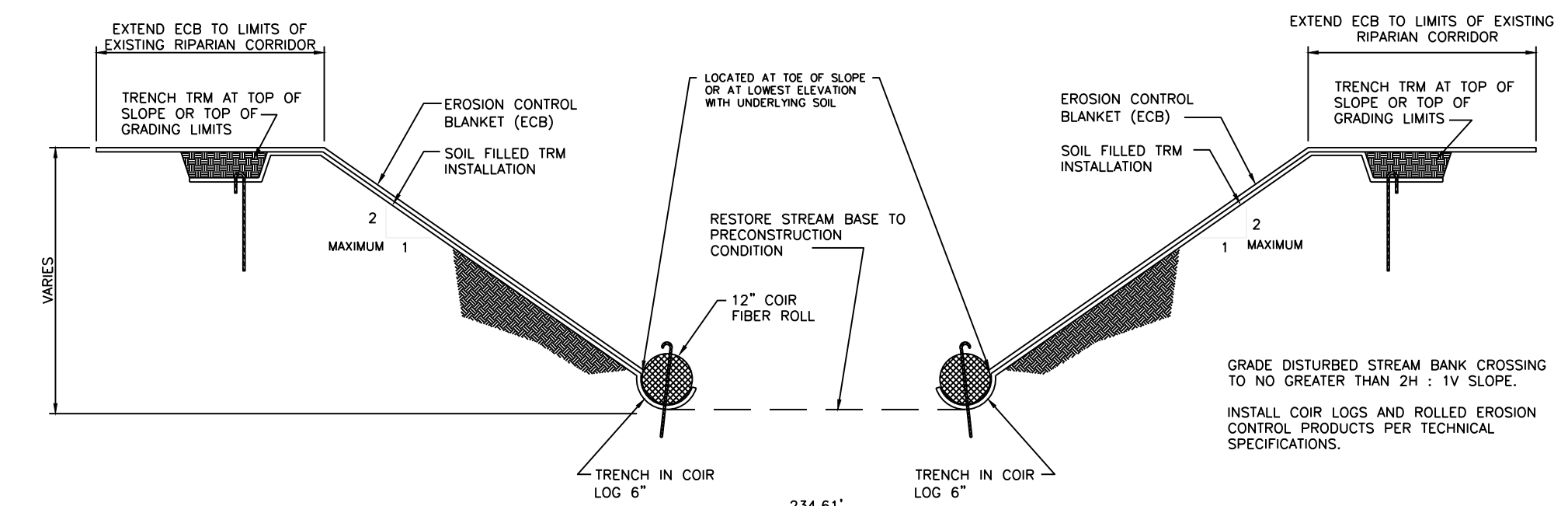
NOTE: DRIVE REBAR THROUGH COIR LOG AND BEND OVER 0.5FT PARALLEL WITH STREAM



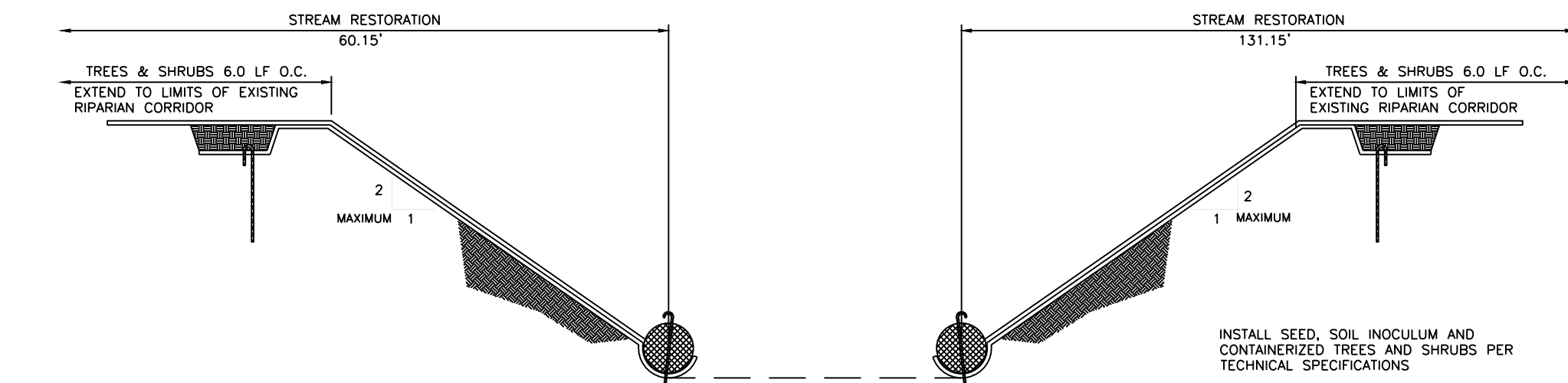
Stream Crossing Limits of Restoration
N.T.S.



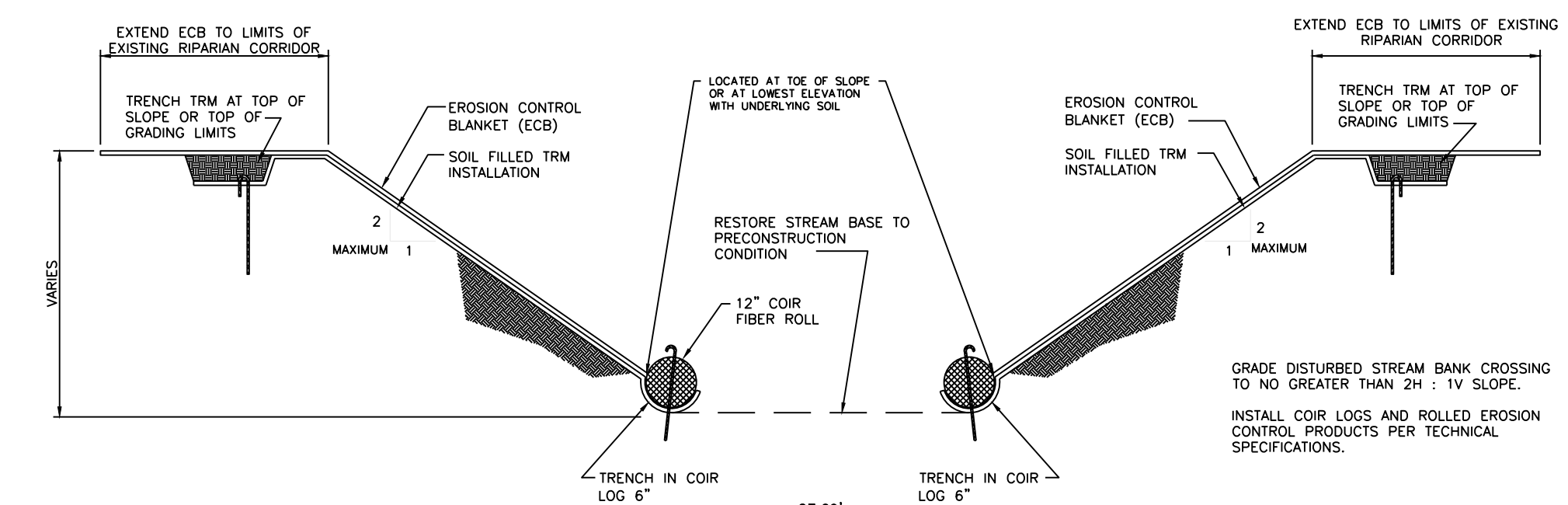
Typical Section Stream Crossings Planting Zone
N.T.S.



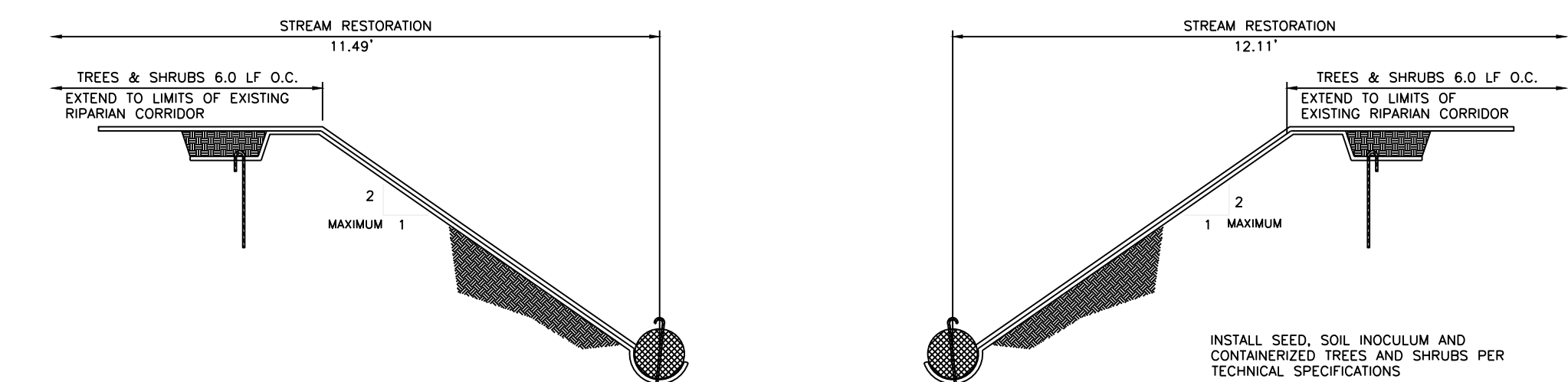
Station 2+13.60
Stream Bank Stabilization Detail
Civil Requirements
See Sheet C.200
N.T.S.



Station 2+13.60
Stream Bank Stabilization Detail
Planting Requirements
See Sheet C.200
N.T.S.



Station 25+66.30
Stream Bank Stabilization Detail
Civil Requirements
See Sheet C.200
N.T.S.



Station 25+66.30
Stream Bank Stabilization Detail
Planting Requirements
See Sheet C.200
N.T.S.

Record Drawing

"AS-BUILT"
900.10
900.00 Indicates data replaced with "As-Built" information. All other data is as designed and has not been field verified.

Restoration Requirements

- Perform restoration of designated stream crossings per plan details.
- Seeding, fertilizing, and mulching shall be required within limit of disturbance as follows:
 - (a) Agricultural Pastures - Utilize seed mix per Specification Section 2400
 - (b) Woodland Corridors and Stream Crossings - Utilize native seed mixes as provided in the plans. Perform seeding, soil inoculation, and mulching per Specification Section 2405.
 - (c) Row Crop Fields - No seeding is required unless noted in project special provisions.
- Perform restoration plantings per Section 2405 at locations specified in plan details. Native seeding shall accompany restoration plantings.
- Any area disturbed beyond the temporary construction easement shall be restored to pre-existing conditions at no additional cost to the owner.

Seed Mix for MH A-12 to MH A-13

| Native Seeding Woodland Mix | | | | |
|----------------------------------|---------------------------|--------------|--------------|-----------|
| Scientific Name | Common Name | # PLS / acre | Min. % Germ. | Origin |
| <i>Elymus virginicus</i> | Virginia Wild Rye | 15.00 | 80 | MO/KS |
| <i>Elymus canadensis</i> | Canada Wild Rye | 15.00 | 80 | MO/KS |
| <i>Hysterix patula</i> | Bottlebrush Grass | 5.00 | 80 | Midwest |
| <i>Bouteloua artipendula</i> | Sideoats Grama | 2.50 | 80 | Midwest |
| <i>Panicum virgatum</i> | Switchgrass var Blackwell | 1.00 | 80 | MO/KS |
| <i>Chasmanthium latifolia</i> | Sea Oats | 2.50 | 90 | MO/KS |
| <i>Calamagrostis arundinacea</i> | Blue Joint | 0.50 | 80 | Midwest |
| <i>Andropogon virginicus</i> | Broomsedge Upland Ecotype | 0.250 | 50 | Midwest |
| <i>Desmanthus illinoensis</i> | Bundleflower | 0.250 | 80 | Midwest |
| <i>Echinacea purpurea</i> | Purple Coneflower | 0.250 | 80 | MO/KS |
| <i>Ratibida pinnata</i> | Grey Headed Coneflower | 0.250 | 80 | MO/KS |
| <i>Coreopsis lanceolata</i> | Lanceleaf Coreopsis | 0.125 | 80 | MO/KS |
| <i>Baptisia australis</i> | Blue False Indigo | 0.125 | 80 | MO/KS |
| <i>Liatis pycnostachya</i> | Prairie Blazing Star | 0.125 | 80 | MO/KS |
| <i>Asclepias tuberosa</i> | Butterfly Milkweed | 0.125 | 90 | Midwest |
| <i>Cassia fasciculata</i> | Partridge Pea | 0.125 | 90 | MO/KS |
| <i>Eupatorium maculatum</i> | Joe Pye Weed | 0.125 | 50 | MO/KS |
| <i>Tradescantiahiensis</i> | Ohio Spiderwort | 0.125 | 90 | MO/KS |
| <i>Penstemon digitalis</i> | Smooth Beardtongue | 0.125 | 90 | MO/KS |
| <i>Rudbeckia fulgida</i> | Orange Black Eyed Susan | 0.125 | 90 | MO/KS |
| <i>Lespedeza capitata</i> | Roundhead Lespedeza | 0.125 | 90 | Midwest |
| <i>Campanula spp</i> | Tall Bellflower | 0.063 | 50 | Midwest |
| <i>Aster oblongifolius</i> | Oblong Aster | 0.063 | 80 | Midwest |
| <i>Solidago speciosa</i> | Goldenrod | 0.063 | 80 | Midwest |
| <i>Triticum x Agropyron</i> | Regreen Sterile Wheat | 50.00 | 95 | Northwest |

All native seed to originate from local source ecotype (Kansas Osage Cuestas or Missouri Osage Plains Ecoregions)

Seed Mix for Stream Restoration

| Restoration Details | | | | |
|----------------------------------|-------------------------|-------------|--------------|-----------|
| Wetland Native Seed Mix | | | | |
| Scientific Name | Common Name | #PLS / acre | Min. % Germ. | Origin |
| <i>Spartina pectinata</i> | Prairie Cordgrass | 10.000 | 80 | MO/KS |
| <i>Glyceria striata</i> | Fowl Mannagrass | 1.000 | 90 | MO/KS |
| <i>Sagittaria latifolia</i> | Arrowhead | 0.500 | 90 | MO/KS |
| <i>Calamagrostis arundinacea</i> | Blue Joint | 2.500 | 80 | MO/KS |
| <i>Elymus canadensis</i> | Canadian Wild Rye | 2.500 | 90 | MO/KS |
| <i>Carex stricta</i> | Tussock Sedge | 2.500 | 80 | MO/KS |
| <i>Carex frankii</i> | Frank's Sedge | 5.000 | 80 | MO/KS |
| <i>Scirpus acutus</i> | Hardstem Bulrush | 0.500 | 80 | MO/KS |
| <i>Juncus effusus</i> | Soft Rush | 0.500 | 80 | MO/KS |
| <i>Eleocharis palustris</i> | Creeping Spikerush | 1.000 | 90 | MO/KS |
| <i>Rudbeckia fulgida</i> | Orange Black Eyed Susan | 0.500 | 80 | MO/KS |
| <i>Lobelia cardinalis</i> | Cardinal Flower | 0.500 | 90 | MO/KS |
| <i>Lobelia silphitica</i> | Great Blue Lobelia | 0.500 | 90 | MO/KS |
| <i>Pycnanthemum tenuifolium</i> | Slender Mint | 0.500 | 90 | MO/KS |
| <i>Rudbeckia subtomentosa</i> | Sweet Black Eyed Susan | 0.500 | 90 | MO/KS |
| <i>Aster nova-angliae</i> | New England Aster | 0.500 | 80 | MO/KS |
| <i>Tradescantia ohioensis</i> | Spiderwort | 0.500 | 80 | MO/KS |
| <i>Helenium autumnale</i> | Sneezeweed | 0.500 | 80 | MO/KS |
| <i>Bidens aristosa</i> | Tickseed Sunflower | 0.500 | 80 | MO/KS |
| <i>Asclepias incarnata</i> | Swamp Milkweed | 0.500 | 90 | MO/KS |
| <i>Zizia aptera</i> | Golden Alexanders | 0.500 | 80 | MO/KS |
| <i>Triticum x Agropyron</i> | Regreen Sterile Wheat | 50.000 | 95 | Northeast |

NOTE: Utilize this mix across all disturbed wetland crossings. Cover with Erosion Control Blanket.

ENVIRONMENTAL RESTORATION TABLE

| Crossing # | Feature | Type of Jurisdiction | Restoration Type | Restoration Area (SF) | Required # Shrubs | Required # Trees |
|------------|---------|----------------------|------------------|-----------------------|-------------------|------------------|
| 1 | E1 | Stream | Stream Type B | 6852.15 | 0 | 0 |
| | | | | | | |
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NOTE: WHERE CONSTRUCTION ACTIVITIES PROPOSE TO DISTURB SURFACE WETLANDS, CONTRACTOR SHALL STOCKPILE TOPSOIL FROM WETLANDS PRIOR TO SUBSURFACE DISTURBANCE. WETLAND TOPSOIL SHALL BE RESPREAD OVER DISTURBED WETLAND AREAS PRIOR TO RESTORATION SEEDING. REFER TO SPECIFIED NOTE: AREAS NOT PROPOSED FOR NATIVE SEEDING SHALL BE RESTORED PER STANDARD SPECIFICATIONS.

Civil Material Requirements

| | |
|------------------------|---|
| HT TRM and TRM: | Colbond Enkamat 7520 Pyramat Macmat R6G Tenax Multimat TRM 100 RS3 |
| ECB: | North American Green CS150BN Greenfix CFS072B Greenfix SG072B |
| Geopins: | Steel 18-inch, with fender washers |
| Staples: | Steel, Style 616 (6-inch U-shape) |
| Coir Logs: | 12-inch diameter, jute wrap |

Record Drawing

"AS-BUILT"
900.10
Indicates data replaced with "As-Built" information. All other data is as designed and has not been field verified.

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

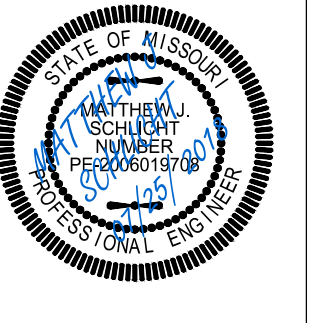
ENGINEERING SOLUTIONS
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LEE'S SUMMIT, MO 64082
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Professional Registration
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Engineering 2005002185-D
Surveying 200500319-D
Kansas
Engineering E-1895
Surveying LS-218
Oklahoma
Engineering 02-54
Nebraska
Engineering CA2821

View High Project
Lee's Summit, Jackson County, Missouri

Project:
View High Drive
Issue Date:
October, 2015

Stream Bank Restoration Details
Sanitary Sewer Construction Plans for:
View High Project
Lee's Summit, Jackson County, Missouri



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

REVISIONS
7/2/18 - As-Built

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