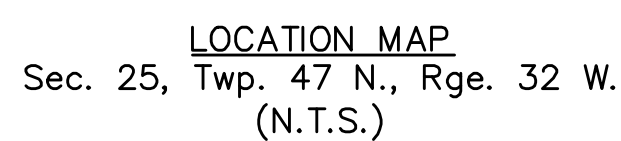
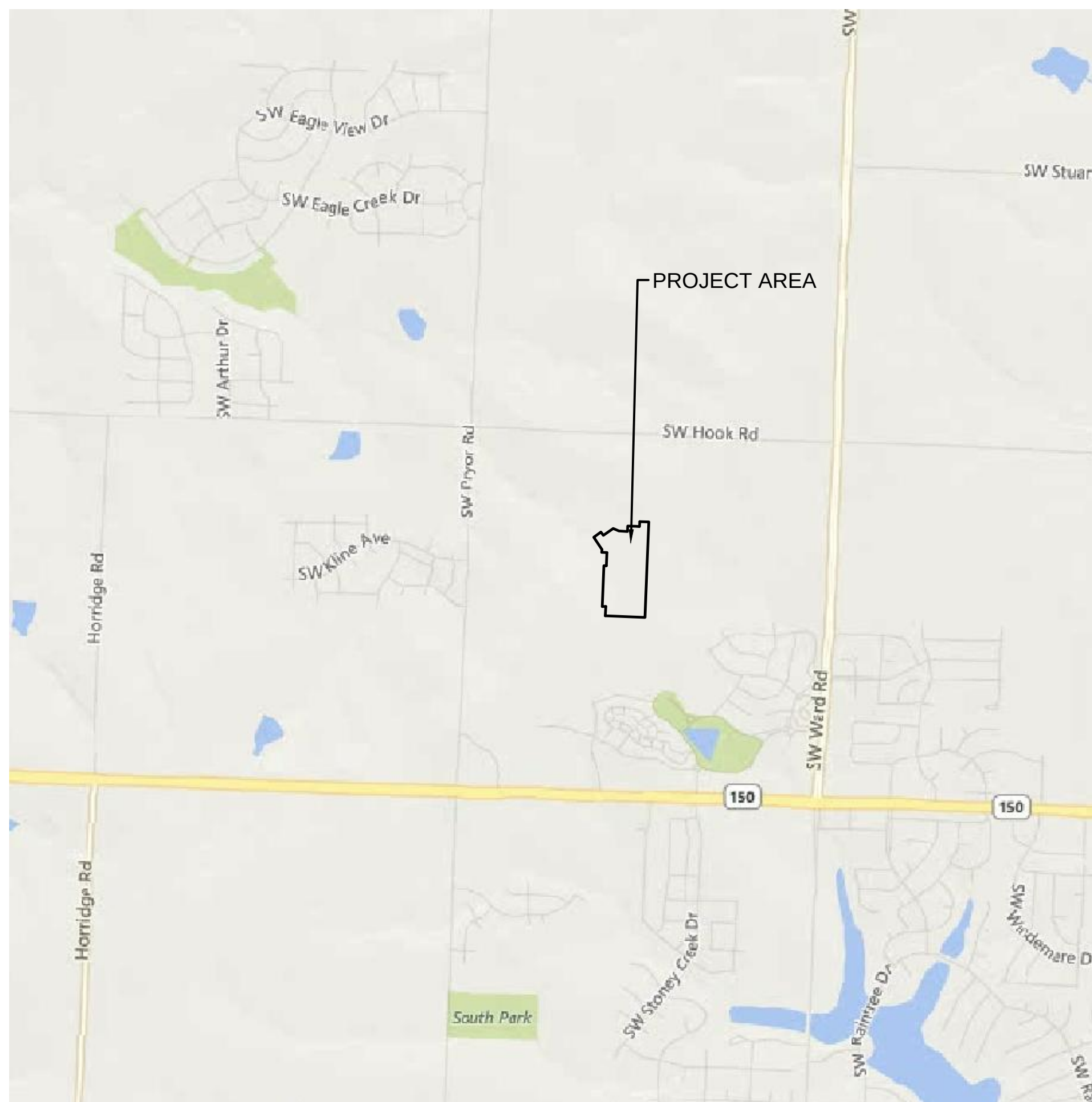


N/W 1/4 SECTION 25, TOWNSHIP 47 N, RANGE 32 W.
IN LEE'S SUMMIT, JACKSON COUNTY, MO

N/W 1/4 SECTION 25, TOWNSHIP 47 N, RANGE 32 W.
IN LEE'S SUMMIT, JACKSON COUNTY, MO



<u>OWNER / DEVELOPER</u> CLAYTON PROPERTIES GROUP, INC. D.B.A. SUMMIT HOMES 120 SE 30TH STREET CONTACT: VINCENT WALKER LEE'S SUMMIT, MO 64082 PHONE: 816.246.8700 EMAIL: VINCENT@SUMMITHOMESKC.COM	<u>UTILITY SERVICE NUMBERS</u> NAME: LEE'S SUMMIT PUBLIC WORKS PHONE: 816-969-1800 NAME: LEE'S SUMMIT WATER & SERVICES DEPARTMENT PHONE: 816-969-1940
<u>ENGINEER</u> OLSSON 1301 BURLINGTON ST. SUITE 100 NORTH KANSAS CITY, MO 64116 CONTACT: MELISSA DEGONIA PHONE: 816.361.1177 EMAIL: MDEGONIA@OLSSON.COM	NAME: SPIRE (MGE) PHONE: 314-342-0500 NAME: AT&T PHONE: 800-286-8313 NAME: KCP&L PHONE: 816-471-5275
<u>SURVEYOR</u> OLSSON 1301 BURLINGTON ST. SUITE 100 NORTH KANSAS CITY, MO 64116 CONTACT: JASON ROUDEBUSH PHONE: 816.361.1177 EMAIL: JROUDEBUSH@OLSSON.COM	NAME: SPECTRUM (TWC) PHONE: 877-772-2253 NAME: GOOGLE FIBER PHONE: 877-454-6959



A TRACT OF LAND IN THE NORTHWEST QUARTER OF SECTION 25, TOWNSHIP 47 NORTH, RANGE 32 WEST OF THE 5TH PRINCIPAL MERIDIAN IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI, AND A PORTION OF TRACT E, OF HAWTHORN RIDGE 1ST PLAT, A SUBDIVISION OF LAND RECORDED AS DOCUMENT 2019E020897 IN BOOK 182 AT PAGE 83, IN THE OFFICE OF THE RECORDER OF DEEDS FOR JACKSON COUNTY, MISSOURI, ARE HEREBY BOUNDED AND DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHWEST CORNER OF SAID NORTHWEST QUARTER OF SECTION 25; THENCE SOUTH 87°46'49" EAST, ON THE SOUTH LINE OF SAID NORTHWEST QUARTER, 2,653.29 FEET TO THE SOUTHEAST CORNER OF SAID NORTHWEST QUARTER, (CENTER OF SECTION) AND THE POINT OF BEGINNING OF THE TRACT OF LAND TO BE HEREIN DESCRIBED; THENCE ON SAID SOUTH LINE OF SAID NORTHWEST QUARTER, NORTH 87°46'49" WEST, 577.00 FEET; THENCE LEAVING SAID SOUTH LINE, NORTH 02°31'11" EAST, 135.00 FEET; THENCE NORTH 87°46'49" WEST, 50.79 FEET; THENCE NORTH 02°18'36" EAST, 596.57 FEET; THENCE SOUTH 87°41'24" EAST, 37.00 FEET; THENCE NORTH 02°18'36" EAST, 192.00 FEET; THENCE NORTH 87°41'24" WEST, 75.58 FEET; THENCE SOUTH 02°18'36" EAST, 39.05 FEET; THENCE NORTH 33°13'50" WEST, 218.11 FEET TO THE SOUTHWESTERLY CORNER OF LOT 21 OF SAID HAWTHORN RIDGE 1ST PLAT; THENCE ON THE SOUTHERLY LINE OF SAID HAWTHORN RIDGE 1ST PLAT THE FOLLOWING 9 CALLS, NORTH 54°57'38" EAST, 130.00 FEET; THENCE SOUTH 35°02'22" EAST, 58.00 FEET; THENCE NORTH 54°57'38" EAST, 175.90 FEET; THENCE SOUTH 65°30'07" EAST, 95.33 FEET; THENCE SOUTH 87°41'24" EAST, 121.73 FEET; THENCE NORTH 02°18'36" EAST, 78.00 FEET; THENCE SOUTH 87°41'24" EAST, 175.00 FEET; THENCE NORTH 02°18'36" EAST, 72.00 FEET; THENCE SOUTH 87°41'24" EAST, 130.00 FEET TO THE SOUTHEASTERLY CORNER OF LOT 28 OF SAID HAWTHORN RIDGE 1ST PLAT AND A POINT ON THE EAST LINE OF SAID NORTHWEST QUARTER; THENCE ON SAID EAST LINE, SOUTH 02°18'36" WEST, 1,392.58 FEET TO THE POINT OF BEGINNING, CONTAINING 827,409 SQUARE FEET OR 19.00 ACRES, MORE OR LESS.

RR SPIKE IN SOUTH FACE OF POWER POLE ON NORTH SIDE OF SW. HOOK ROAD, IMMEDIATELY WEST OF DRIVEWAY FOR HOUSE#1622. ELEVATION= 1024.63'

SHEET INDEX	
Sheet Number	Sheet Title
C200	COVER SHEET
C201	GENERAL NOTES
C202	GENERAL LAYOUT
C203	SANITARY PLAN AND PROFILE
C204	SANITARY PLAN AND PROFILE
C205	SANITARY PLAN AND PROFILE
C206	SANITARY PLAN AND PROFILE
C207	SANITARY PLAN AND PROFILE
C208	SANITARY PLAN AND PROFILE
C209	SANITARY PLAN AND PROFILE
C210	SANITARY PLAN AND PROFILE
C211	SANITARY DETAILS SHEET
C212	SANITARY DETAILS SHEET
C213	SANITARY SEWER TABLES

CITY OF LEE'S SUMMIT

DATE _____

OLSSON HAS BEEN RETAINED TO PROVIDE AS-BUILT DRAWINGS FOR THIS PROJECT.

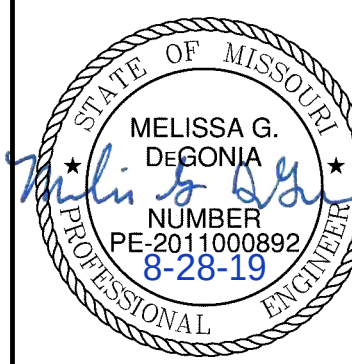

MELISSA G. DEGONIA
CIVIL ENGINEER
MO#2011000892

8-28-19
DATE



**RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
04/17/2020**

Olsson



MELISSA G. DEGONI
PE# 2011000892

BY

REVISIONS DESCRIPTION

REVISED PER CITY COMMENTS

NO. REV.	DATE	
1	08-12-2019	F

--	--

COVER SHEET
SANITARY SEWER PLANS

AWTHORN RIDGE
SECOND PLAT

MISSOURI STATE UNIVERSITY

drawn by: D.A.H.O
checked by: M.G.D
designed by: B.M.W
QA/QC by: N.D.H
project no.: 019-1605
date: 07-12-2019

SHEET
C200

DWG: F:\2019\1501-2000\019-1605\40-Design\AutoCAD\Final Plans\Sheets\GNCV\Sanitary\C_TTL01_0191605.dwg
DATE: Aug 28, 2019 4:09pm XREFS: C:\PTBLK_0191605 C:\BNDY_0191605 USER: mdegonia

STATE OF MISSOURI
MELISSA G. DEGONIA
NUMBER
PE-2011000892
8-13-19
PROFESSIONAL ENGINEER

[illegible]

drawn by: D.A.H.Q
checked by: M.G.D
designed by: B.M.W
QA/QC by: N.D.H
project no.: 019-1605
date: 07-12-2019

ESTIMATE OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	AS-BUILT
STREET				
1	8" SANITARY PVC (SDR-26)	L.F.	3110.30	⚠
2	MANHOLES, STD. 4' DIA.	EA.	13	
3	CONNECTION TO EXISTING STRUCTURE	EA.	1	
4	TRACER WIRE	L.F.	2644.15	⚠
5	TRACER WIRE BOX	EA.	62	
6	SERVICE WYE	EA.	62	
7	4" LATERAL PIPE	L.F.	2644.15	⚠

SANITARY SEWER GENERAL NOTES

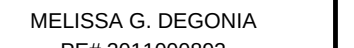
- ## GENERAL NOTES

- ## EXISTING CONDITIONS

- ## CONSTRUCTION

- ## SHOP DRAWINGS

- USER: bworthley

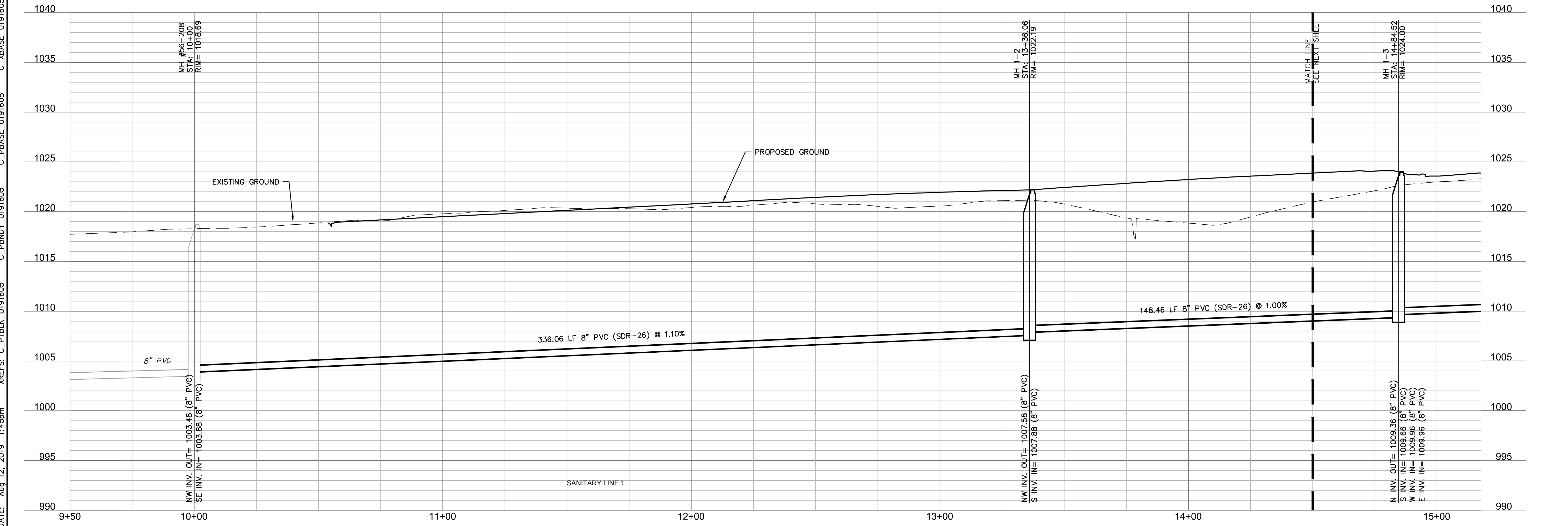
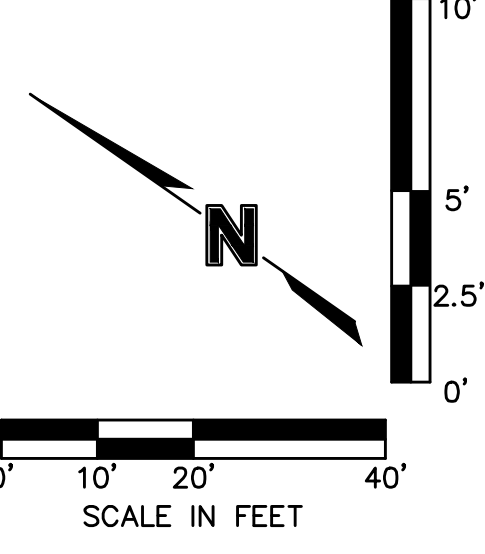
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GENERAL LAYOUT SANITARY SEWER PLANS	
HAWTHORN RIDGE SECOND PLAT	
LEE'S SUMMIT, MISSOURI	2019

Drawn by: D.A.H.O
 Checked by: M.G.D
 Designed by: B.M.W
 QC by: N.D.H
 Project no.: 019-1605
 Date: 07-12-2019

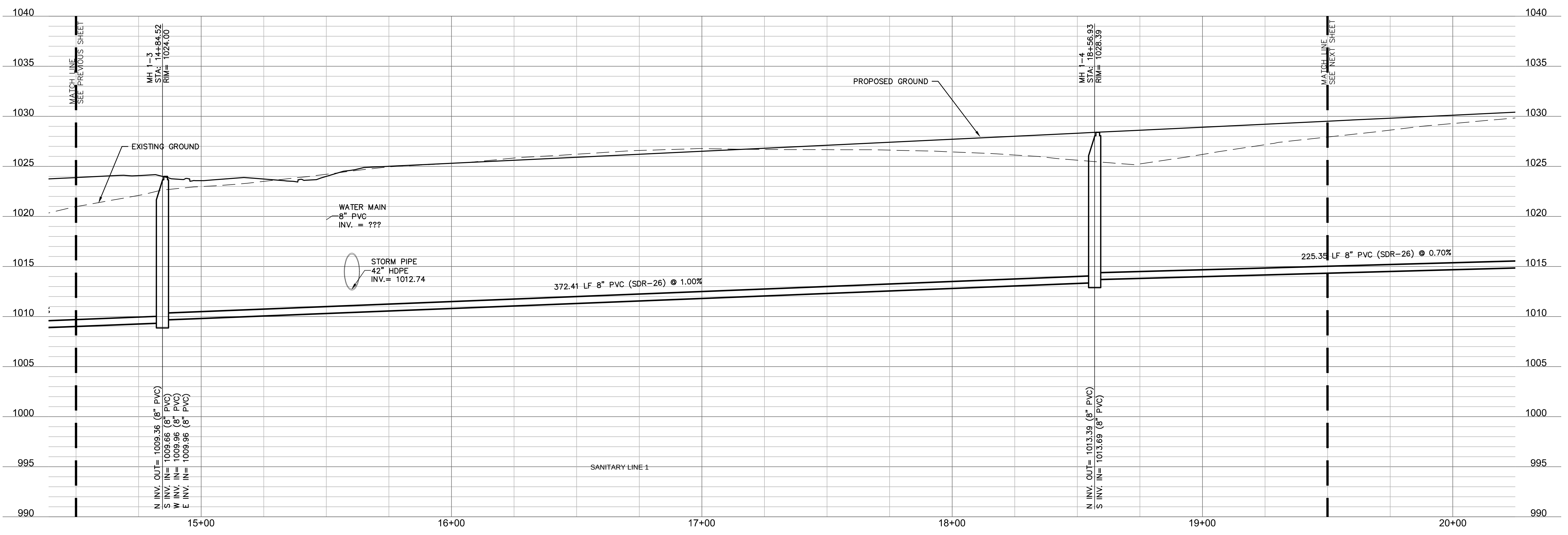
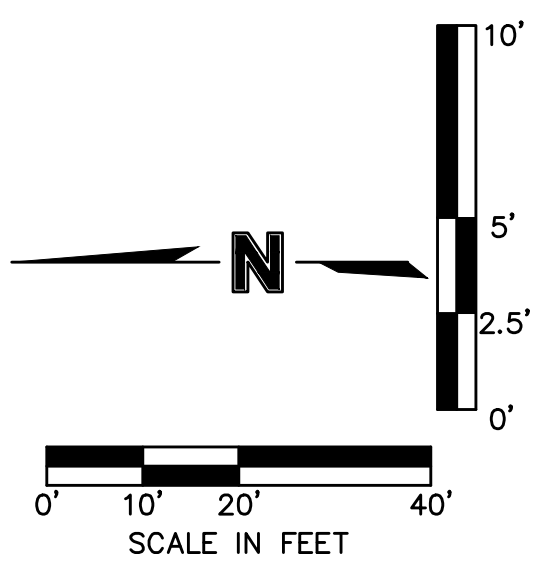
SHEET
C202

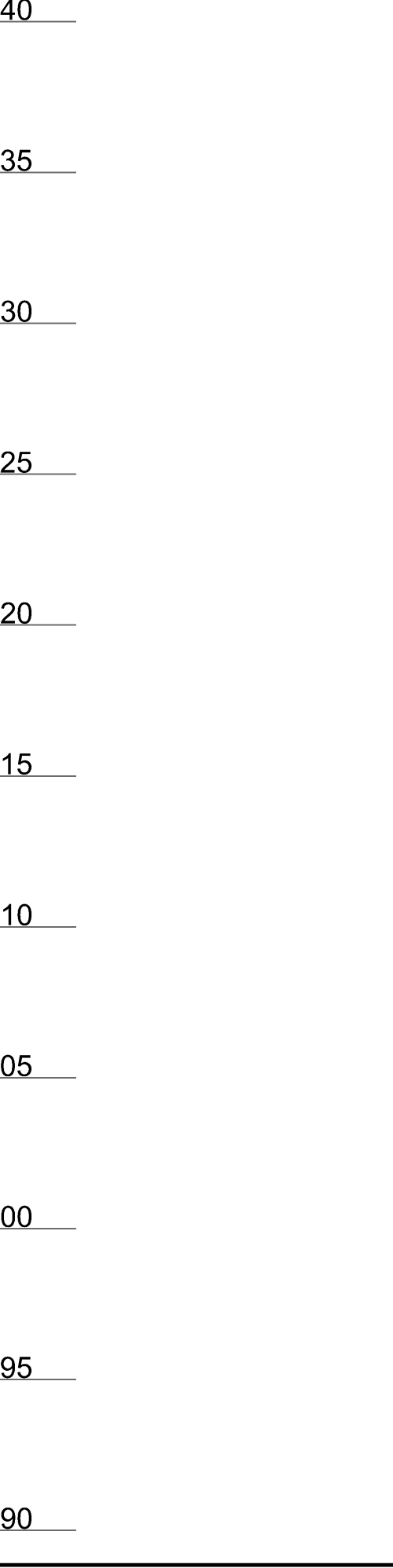
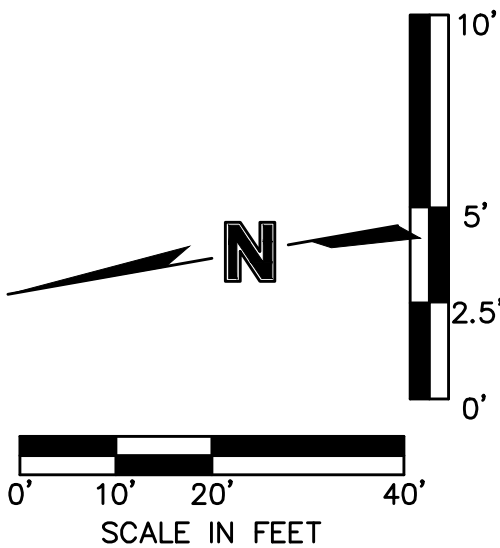


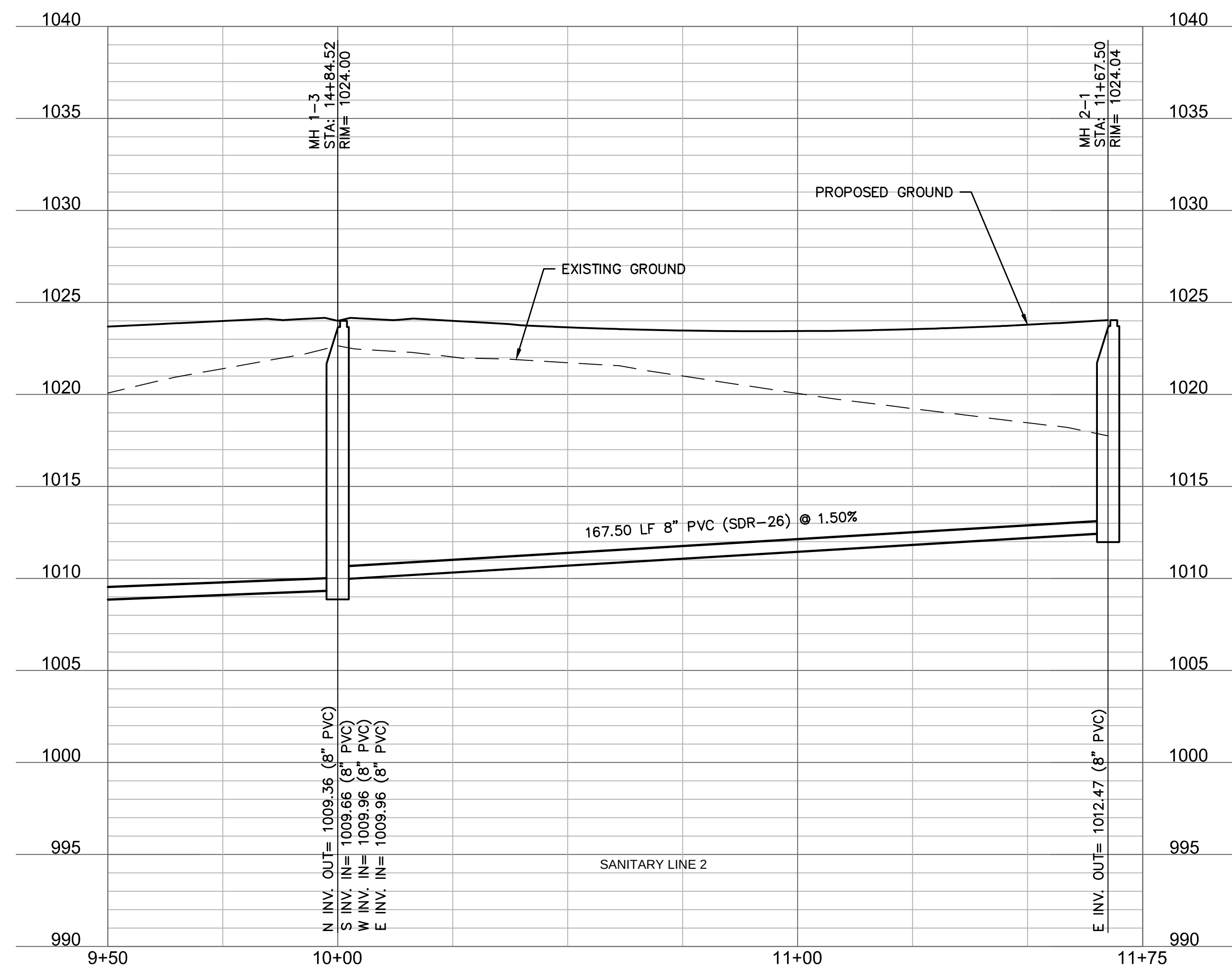
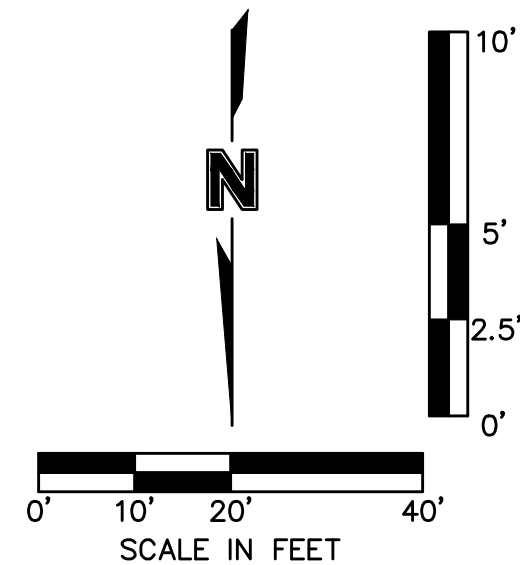
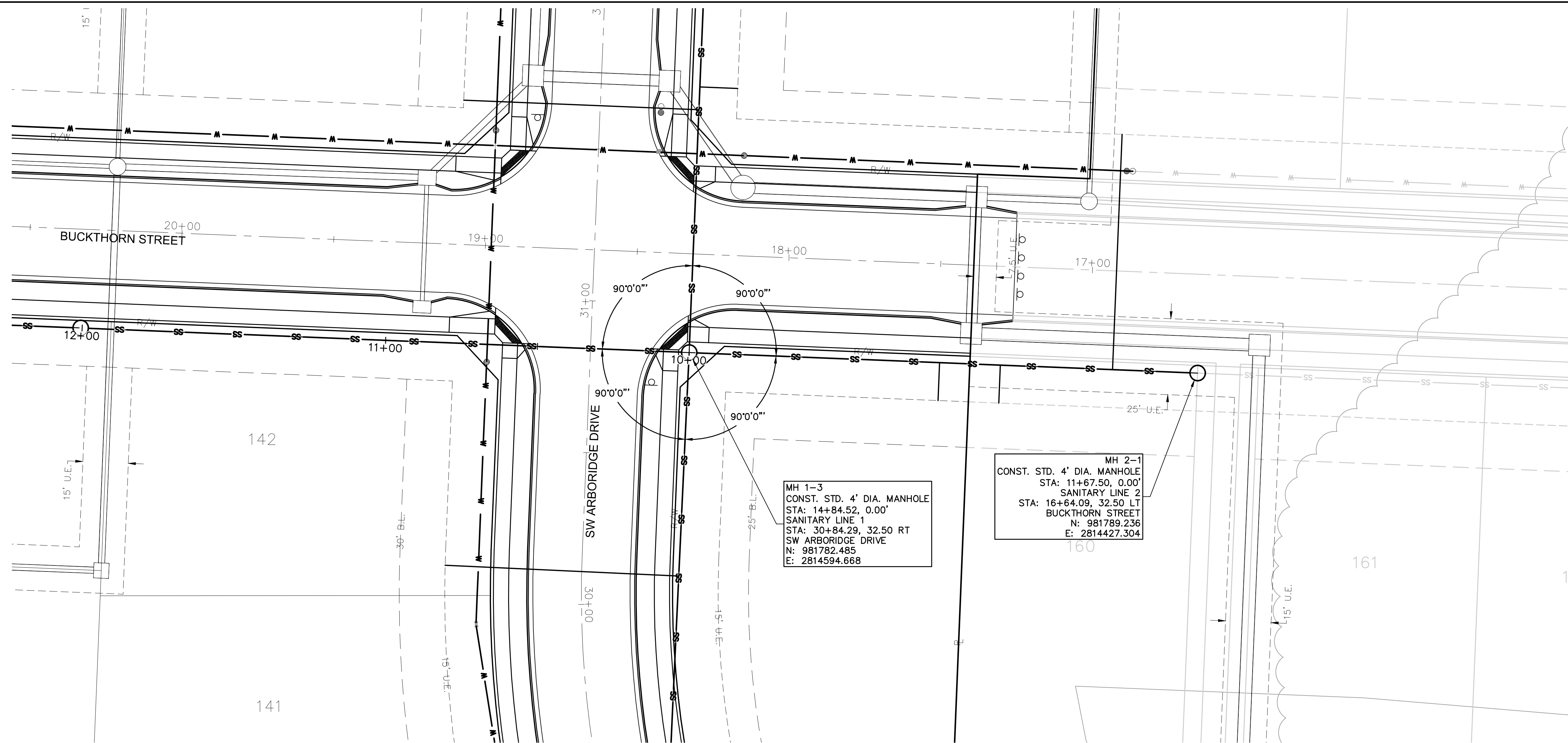


SANITARY PLAN AND PROFILE SANITARY SEWER PLANS	HAWTHORN RIDGE SECOND PLAT	2019
LEE'S SUMMIT, MISSOURI		

SHEET
C204

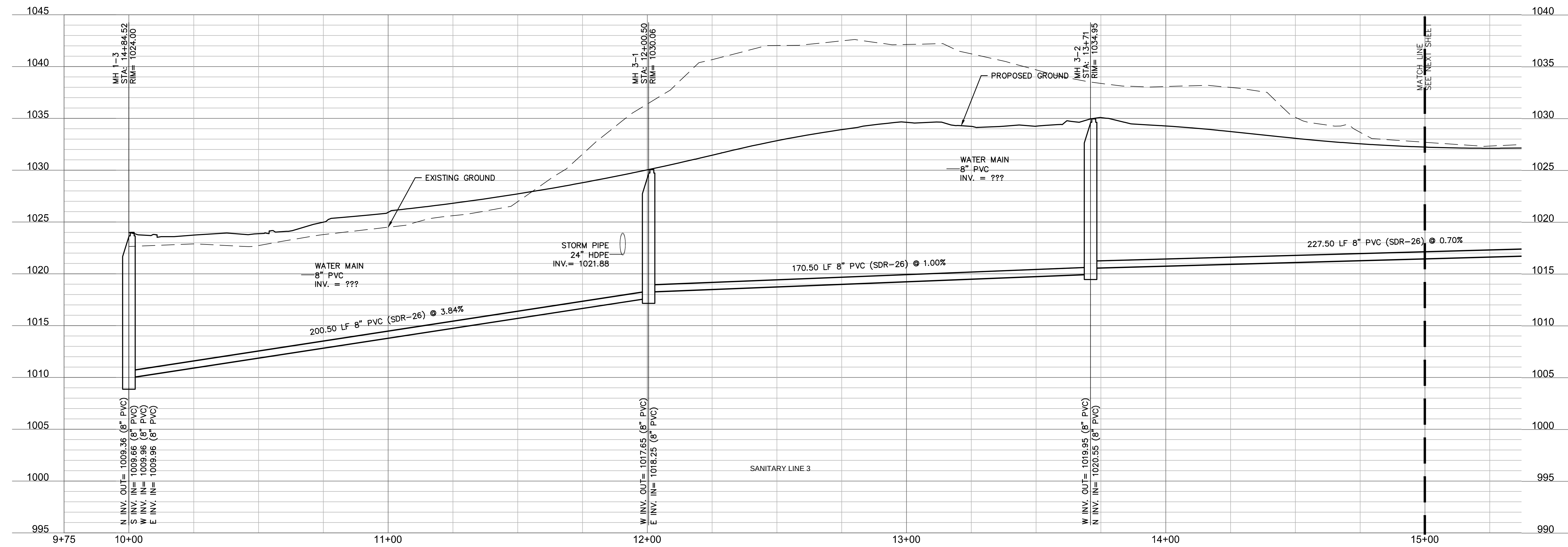
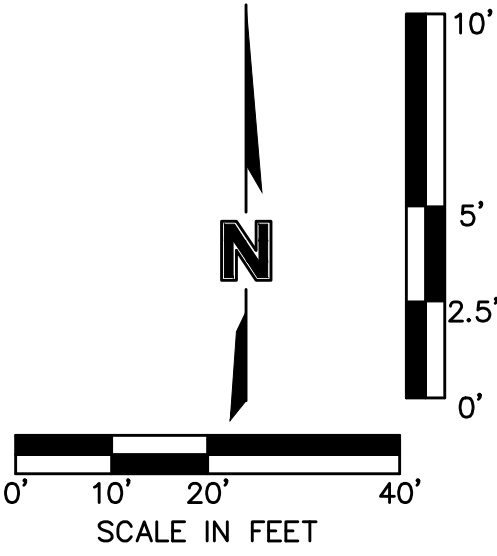




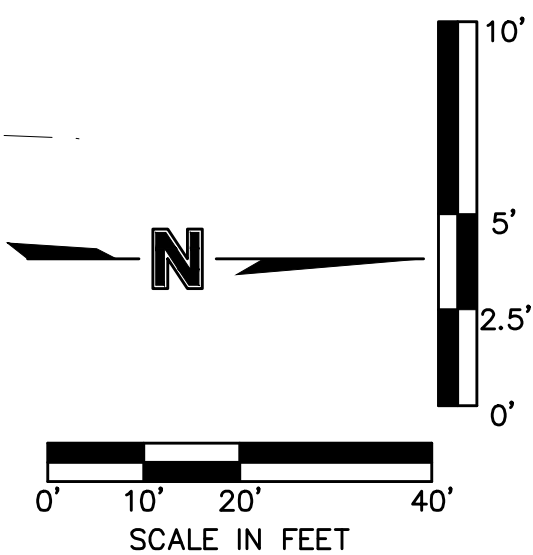
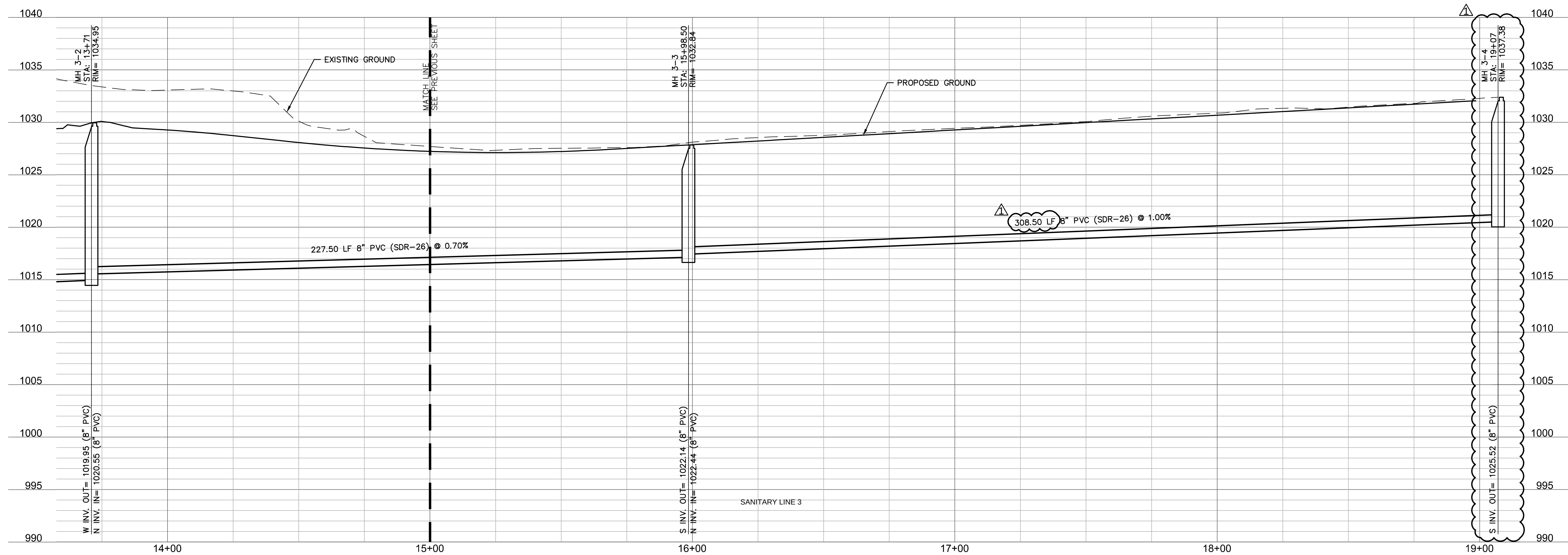
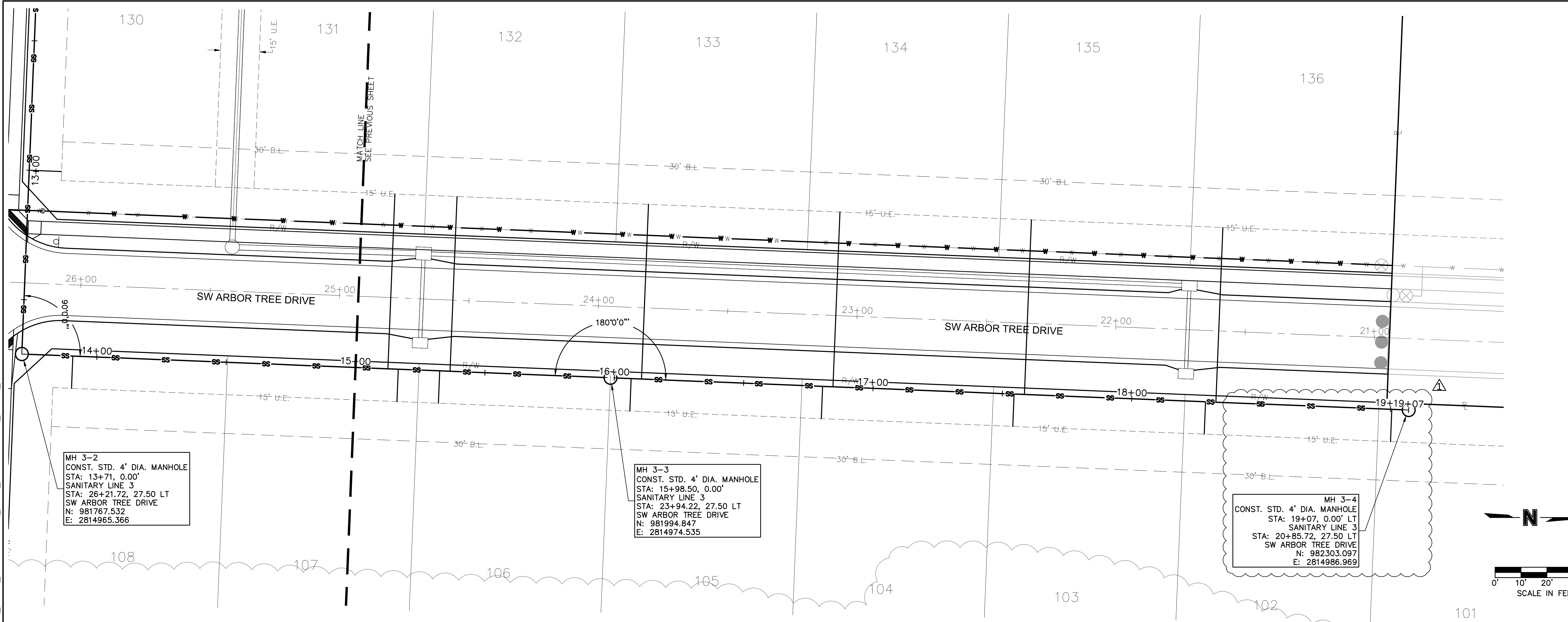


	HAWTHORN RIDGE SECOND PLAT	
SANITARY PLAN AND PROFILE SANITARY SEWER PLANS	LEE'S SUMMIT, MISSOURI	2019

SHEET
C207



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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
04/17/2020
www.olsson.co

olsson
OLSSON - CIVIL ENGINEERING
MO. CERTIFICATE OF AUTHORITY #001592
NORTH KANSAS CITY, MO 64116
TEL 816.961.1177

STATE OF MISSOURI
MELISSA G. DEAGONIA
NUMBER
PE 2011000892
8-13-19
PROFESSIONAL ENGINEER

MELISSA G. DEAGONIA
PE# 2011000892

NO.	REV.	DATE	BY	REVISIONS DESCRIPTION
1		08-12-2019		MH 3-4 MOVED NORTH

SANITARY PLAN AND PROFILE
SANITARY SEWER PLANS

HAWTHORN RIDGE
SECOND PLAT

LEE'S SUMMIT, MISSOURI

2019

drawn by: D.A.H.O.
checked by: M.G.D.
designed by: B.M.W.
QA/QC by: N.D.H.
project no.: 019-1605
date: 07-12-2019

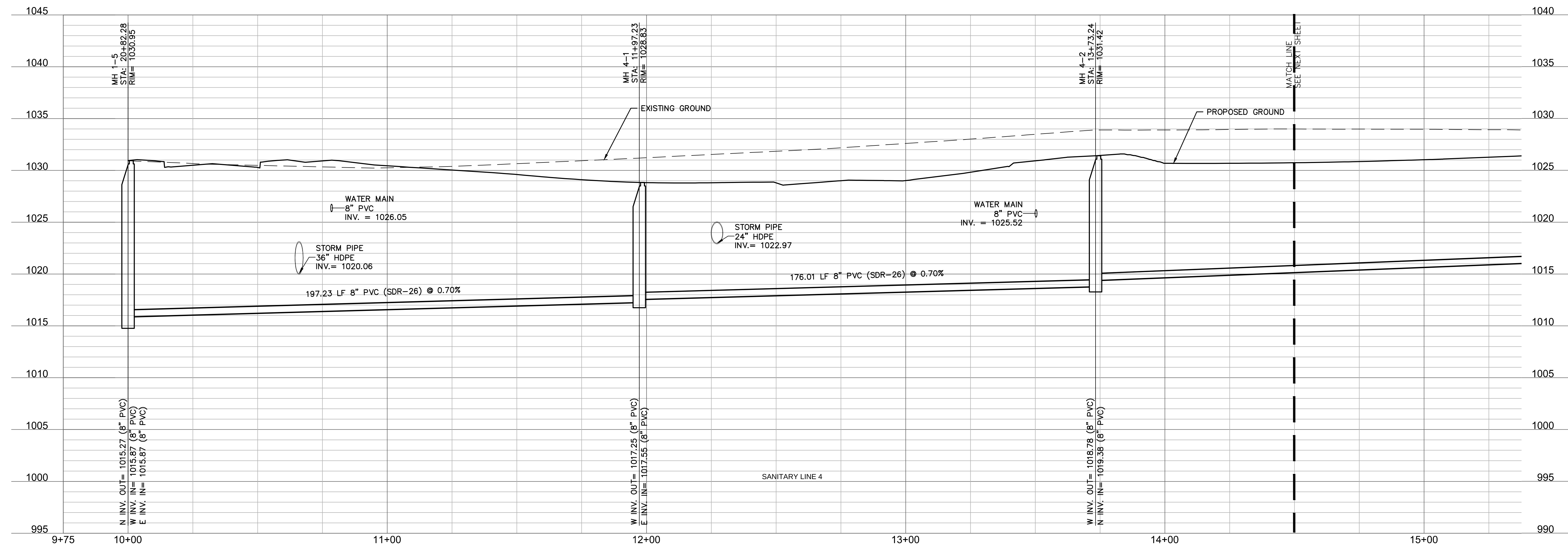
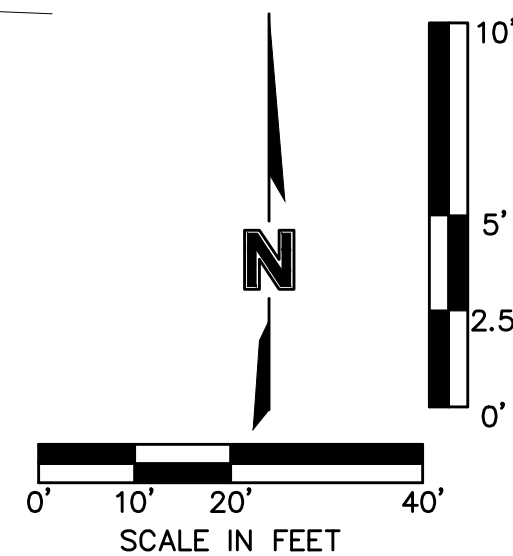
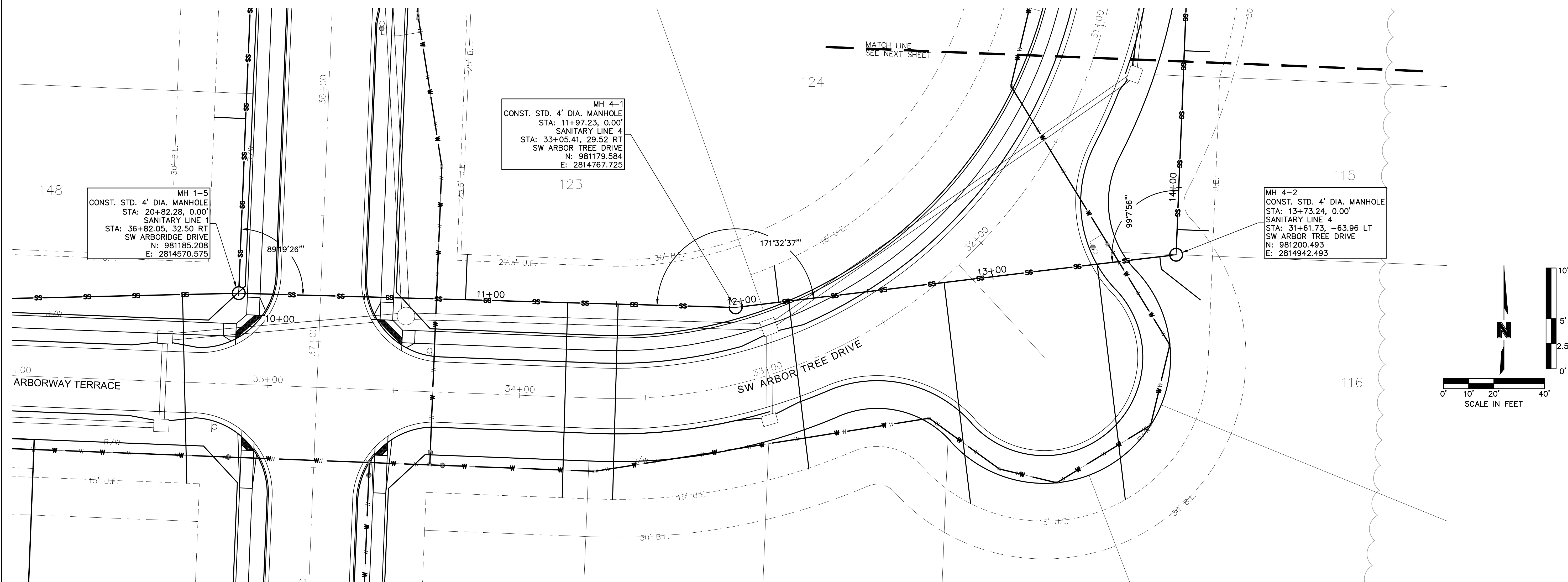
SHEET
C208

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SANITARY PLAN AND PROFILE SANITARY SEWER PLANS	
HAWTHORN RIDGE SECOND PLAT	
LEE'S SUMMIT, MISSOURI	2019

drawn by: D.A.H.O
checked by: M.G.D
designed by: B.M.W
QA/QC by: N.D.H
project no.: 019-1605
date: 07-12-2019

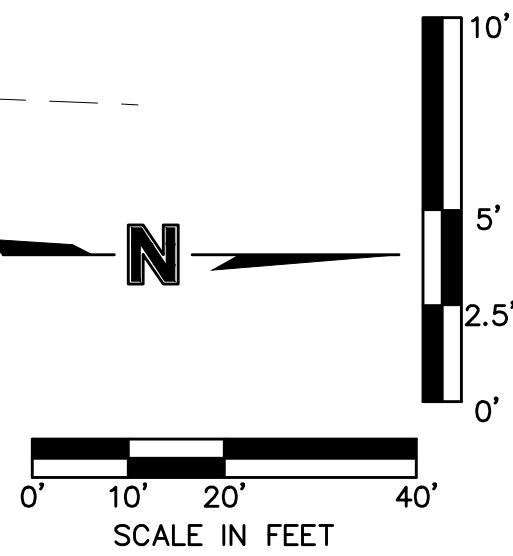
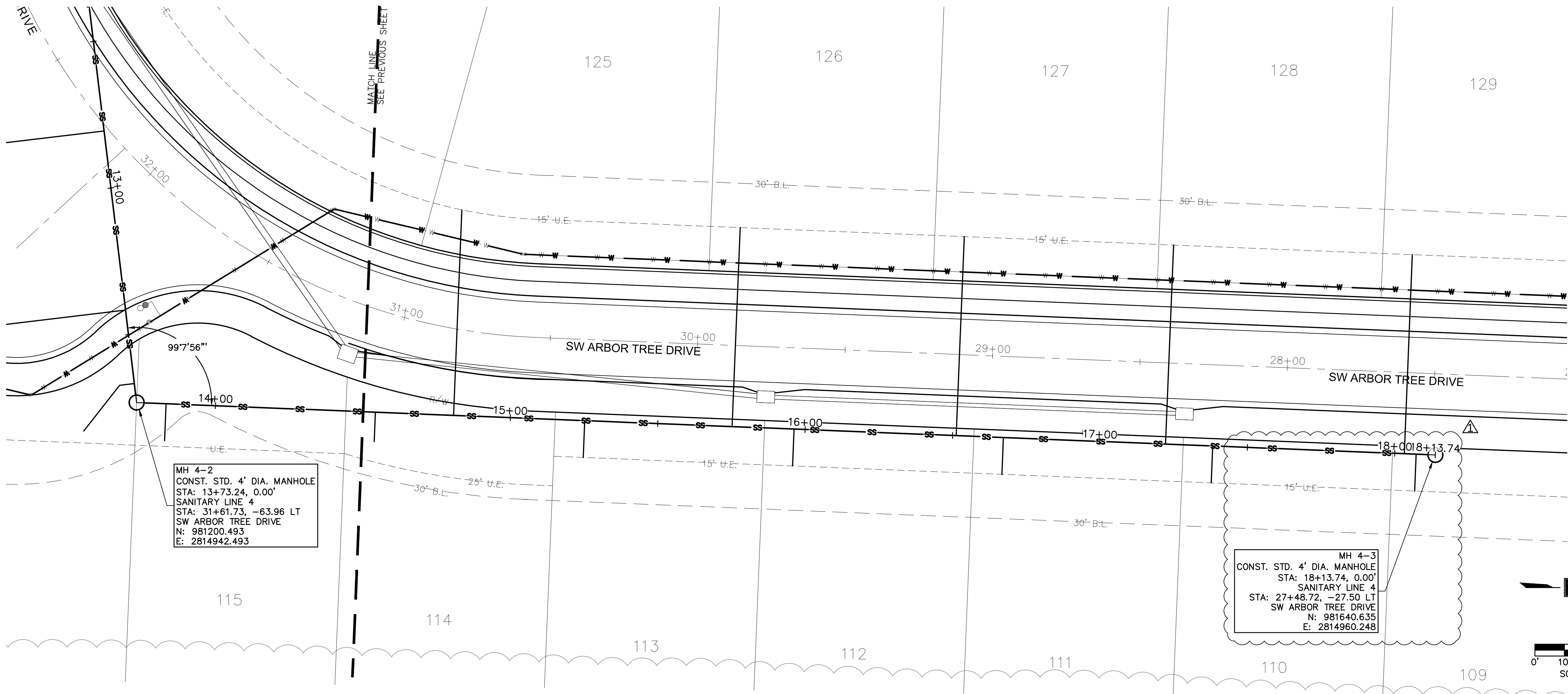
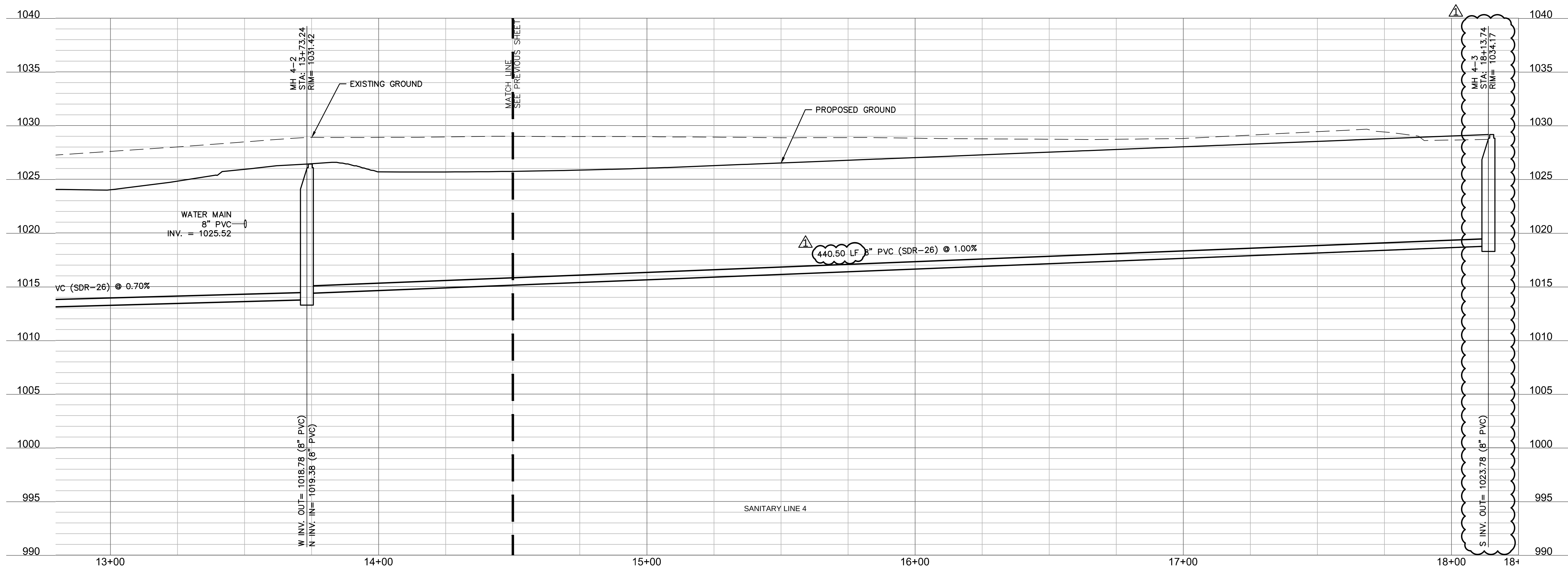
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RELEASE FOR
CONSTRUCTION
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04/17/2020

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NO. CERTIFICATE OF AUTHORITY #001592
DEVELOPMENT SERVICES
NORTH KANSAS CITY, MO 64116
TEL. 816.861.1177

STATE OF MISSOURI
MELISSA G. DEGONIA
NUMBER
PE 2011000892
6-13-19

MELISSA G. DEGONIA
PE# 2011000892

NO.	REV.	DATE	DESCRIPTION
1		08-12-2019	MH 4-3 MOVED NORTH

SANITARY PLAN AND PROFILE
SANITARY SEWER PLANS

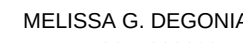
HAWTHORN RIDGE
SECOND PLAT

LEE'S SUMMIT, MISSOURI

drawn by: D.A.H.O.
checked by: M.G.D.
designed by: B.M.W.
QA/QC by: N.D.H.
project no.: 019-1605
date: 07-12-2019

SHEET
C210

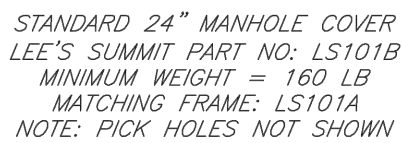
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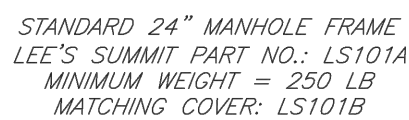
REVISIONS

drawn by: D.A.H.O
checked by: M.G.D
designed by: B.M.W
QA/QC by: N.D.H
project no.: 019-1605
date: 07-12-2019

SHEET
C211



Date: 09/16/04
Drawn By: JN
Checked By: .
FILE: SANITARY
Rev: 04/05/07
Rev: 12/12



Date: 09/16/0
Drawn By: JN
Checked By:
FILE: SANITARY
Rev: 01/04/0
Rev: 1/13



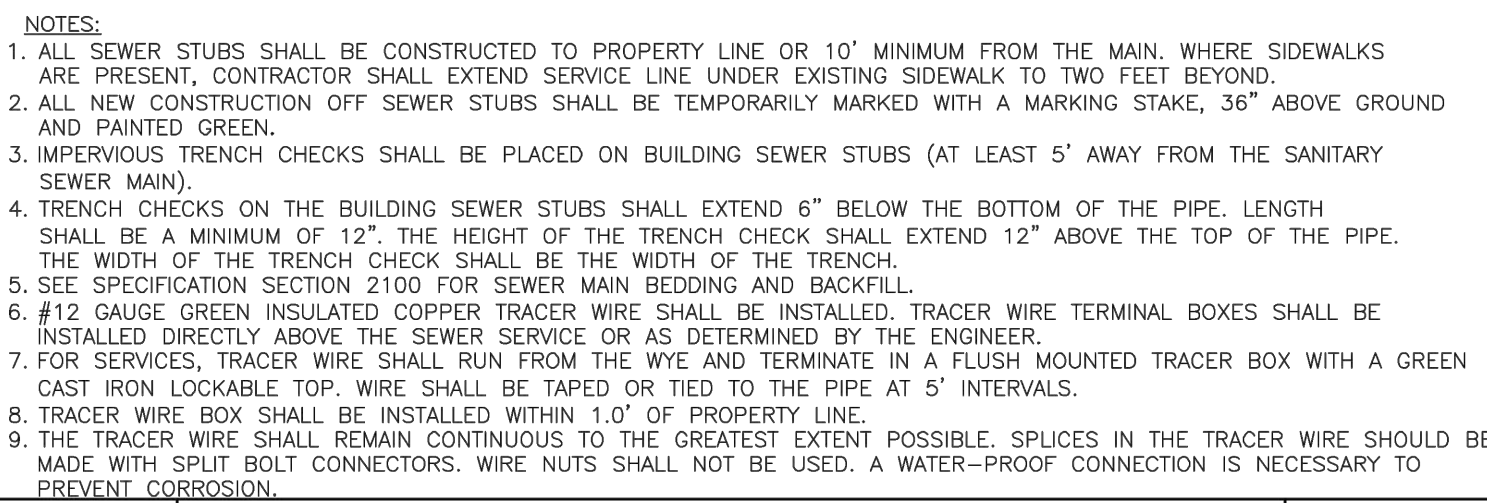
1. PRECAST CONCRETE MANHOLES SHALL CONFORM TO ASTM C478 EXCEPT AS MODIFIED BY THE SPECIFICATIONS.
2. A WALL THICKNESS NOT LESS THAN ONE-TWELTH ($\frac{1}{12}$) OF THE INSIDE DIAMETER OR 4", WHICHEVER IS GREATER, SHALL BE USED WHEN THE MANHOLE DEPTH IS LESS THAN 15'.
3. WATERPROOFING SHALL BE REQUIRED ON THE OUTSIDE OF MANHOLES. THE WATERPROOFING SHALL CONSIST OF A TOTAL 60 MIL FILL OF AN ELASTOMERIC WATERPROOFING.
4. ONLY EXISTING MANHOLE COVERS 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.



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:



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

Date: 04/17
Drawn By: MJF
Checked By: DL

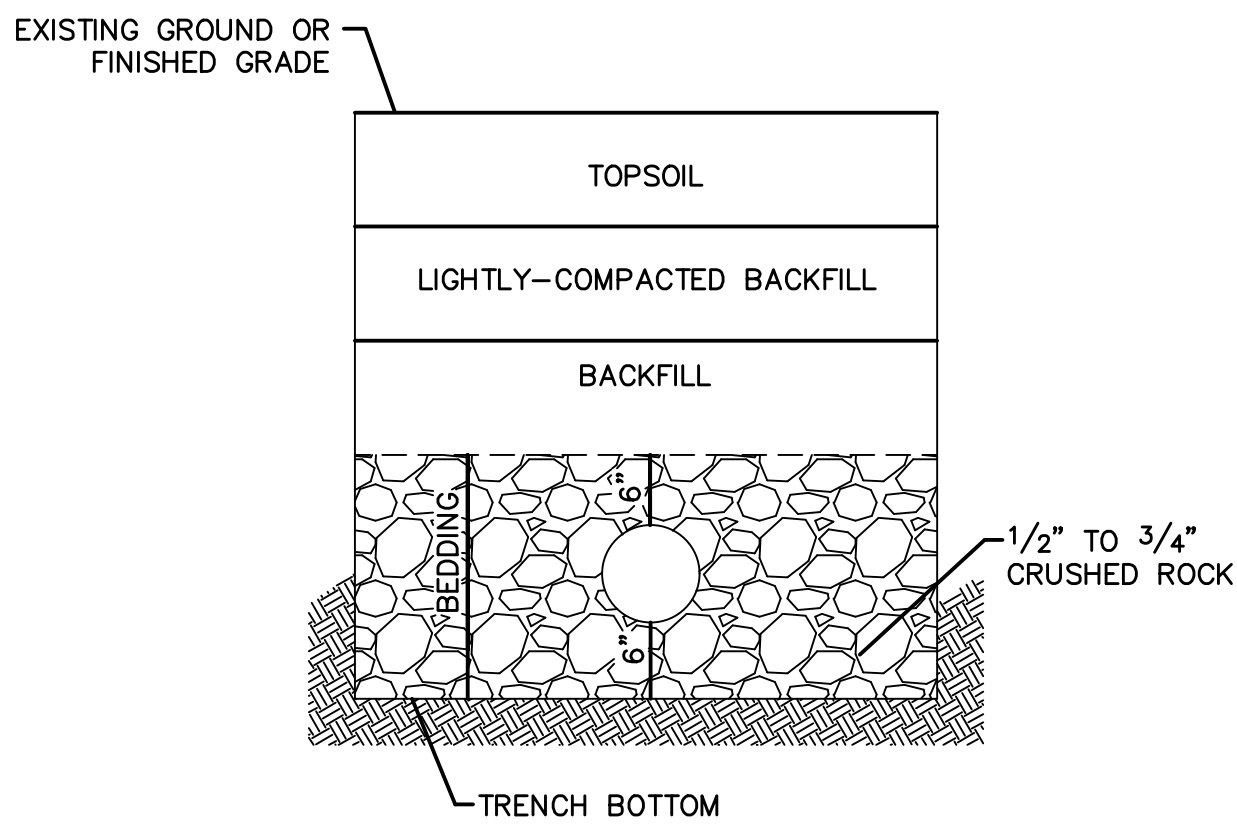
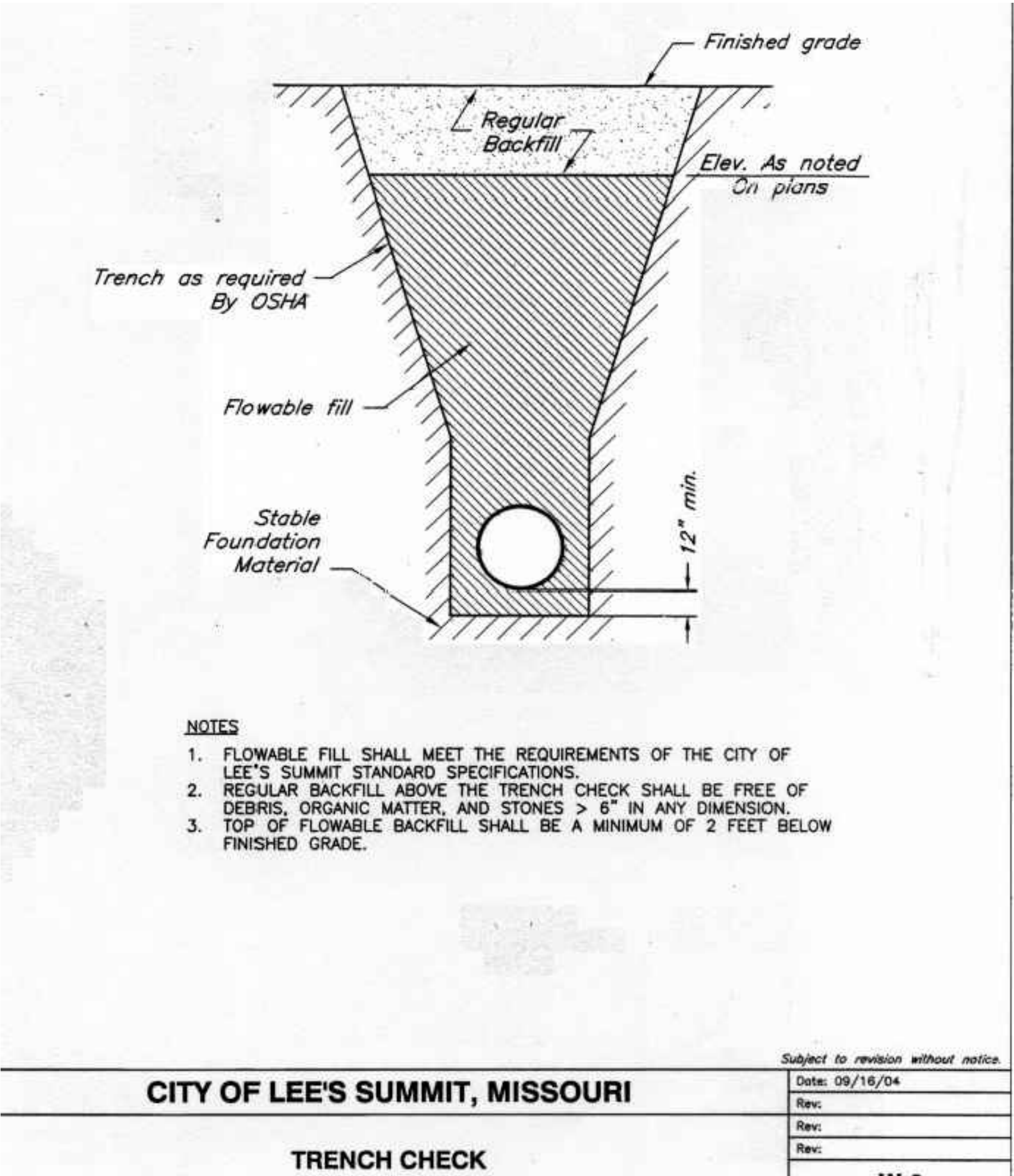
Date: 04/17
Drawn By: MJF
Checked By: DL



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:



UNDERGROUND PIPE INSTALLATION FOR SANITARY SEWER

NOTES:

1. A MINIMUM OF 36 INCHES OF COVER SHALL BE OVER THE TOP OF THE PIPE. THIS MINIMUM OF COVER SHALL BE FROM THE TOP OF PIPE TO THE FINISHED GRADE.
2. BEDDING AGGREGATE SHALL BE PLACED FROM A LEVEL 6 INCHES BELOW THE BOTTOM OF THE PIPE TO A LEVEL 6 INCHES ABOVE THE TOP OF THE PIPE.
3. TRENCH BACKFILL IN PAVED AREAS WITHIN STREET OR ALLEY RIGHT OF WAYS
 - a. HARRIS TRENCH: SUITABLE BACKFILL MATERIAL FOR TRENCHES 24 INCHES OR LESS IN WIDTH AND SHALL BE TYPE A FLOWABLE FILL
 - b. STANDARD TRENCH: SUITABLE BACKFILL MATERIAL FOR TRENCHES BETWEEN 24 TO 48 INCHES WIDE SHALL BE EITHER TYPE A FLOWABLE FILL OR DENSE, WELL GRADED AGGREGATE BASE MATERIAL. AGGREGATE BASE MATERIAL SHALL MEET THE REQUIREMENTS FOR KDOT AB-3; MODOT TYPES 1 OR 5; OR APWA 2202.2.
 - c. WIDE TRENCH: SUITABLE BACKFILL MATERIAL FOR TRENCHES GREATER THAN 48 INCHES WIDE SHALL BE SUITABLE MATERIAL AS SPECIFIED FOR EARTH EMBANKMENT IN APWA STANDARD SPECIFICATIONS, SECTION 2102.
4. SUITABLE BACKFILL MATERIAL OUTSIDE OF PAVED AREAS WITHIN RIGHT OF WAY, AND ALL AREAS OUTSIDE RIGHT OF WAY, MAY BE SUITABLE MATERIAL AS SPECIFIED FOR EARTH EMBANKMENT IN APWA STANDARD SPECIFICATIONS, SECTION 2102.2.C. SUITABLE BACKFILL MATERIAL MAY ALSO BE OTHER TRENCH BACKFILL MATERIAL (FLOWABLE FILL OR AGGREGATE BASE) DEPENDING ON SITE CONDITIONS, TRENCH WIDTHS OR AT THE DIRECTION OF THE CITY'S ON SITE INSPECTOR.

[illegible]

SANITARY DETAILS SHEET SANITARY SEWER PLANS	
HAWTHORN RIDGE SECOND PLAT	
LEE'S SUMMIT, MISSOURI	2019

drawn by: D.A.H.O
checked by: M.G.D
designed by: B.M.W
QA/QC by: N.D.H
project no.: 019-1605
date: 07-12-2019

