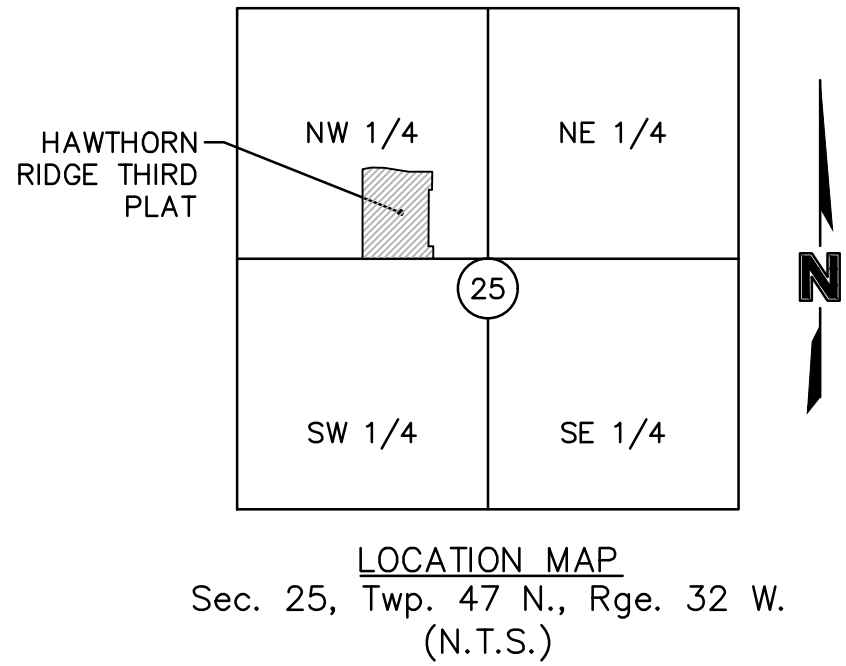


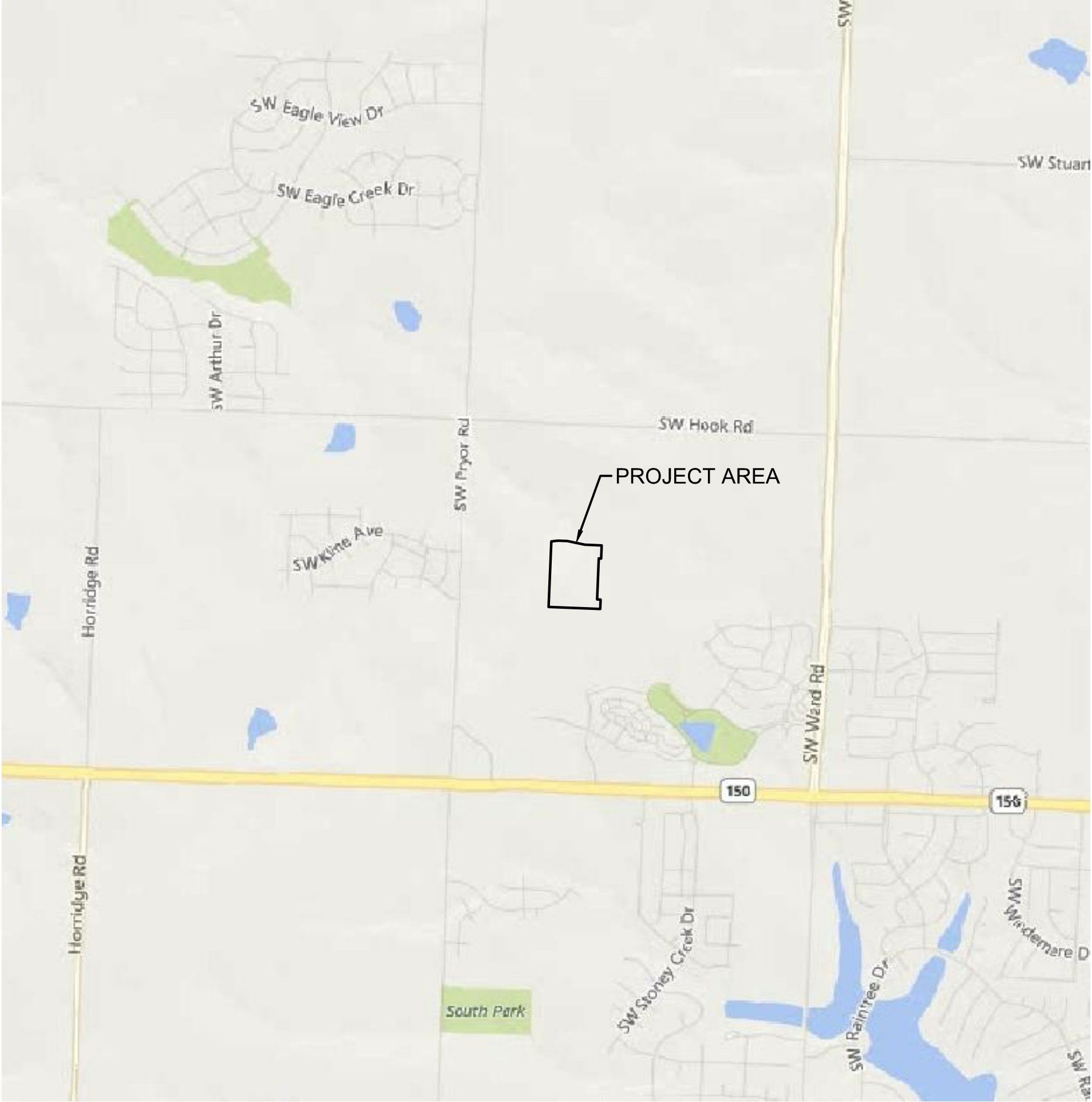
HAWTHORN RIDGE  
THIRD PLAT  
WATER MAIN EXTENSION PLANS

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



PROJECT TEAM & UTILITY CONTACT LIST	
<b>OWNER / DEVELOPER</b> CLAYTON PROPERTIES GROUP, INC. D.B.A. SUMMIT HOMES 120 SE 30TH STREET CONTACT: VINCENT WALKER LEE'S SUMMIT, MO 64082 PHONE: 816.246.6700 EMAIL: VINCENT@SUMMITHOMESKC.COM	<b>UTILITY SERVICE NUMBERS</b> NAME: LEE'S SUMMIT PUBLIC WORKS PHONE: 816-969-1800  NAME: LEE'S SUMMIT WATER & SERVICES DEPARTMENT PHONE: 816-969-1940  NAME: SPIRE (MGE) PHONE: 314-342-0500  NAME: AT&T PHONE: 800-286-8313  NAME: KOP&L PHONE: 816-471-5275
<b>ENGINEER</b> OLSSON 1301 BURLINGTON ST. SUITE 100 NORTH KANSAS CITY, MO 64116 CONTACT: BROCK M. WORTHLEY PHONE: 816.361.1177 EMAIL: BWORTHLEY@OLSSON.COM	<b>NAME: SPECTRUM (TWC)</b> PHONE: 877-772-2253  <b>NAME: GOOGLE FIBER</b> PHONE: 877-454-6959
<b>SURVEYOR</b> OLSSON 1301 BURLINGTON ST. SUITE 100 NORTH KANSAS CITY, MO 64116 CONTACT: JASON ROUBEUSH PHONE: 816.361.1177 EMAIL: JROUBEUSH@OLSSON.COM	

- ☒ NOT FOR CONSTRUCTION
- ☐ REVIEWED FOR CONSTRUCTION



PROPERTY DESCRIPTION:

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 2019E0020897 IN BOOK 182 AT PAGE 63, IN THE OFFICE OF RECORDER OF DEEDS FOR JACKSON COUNTY, MISSOURI ALL BEING 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°13'11" 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 NORTH 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.

BENCHMARK

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 List Table	
Sheet Number	Sheet Title
C300	TITLE SHEET
C301	GENERAL NOTES
C302	GENERAL LAYOUT
C303	WATER PLAN & PROFILE (LINE 1)
C304	WATER PLAN & PROFILE (LINE 1 CONT)
C305	WATER PLAN & PROFILE (LINE 2)
C306	WATER PLAN & PROFILE (LINE 2 CONT)
C307	WATER PLAN & PROFILE (LINE 2 CONT)
C308	WATER PLAN & PROFILE (LINE 3)
C309	WATER MAIN DETAILS
C310	WATER MAIN DETAILS

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

*Brock M. Worthley*  
BROCK M. WORTHLEY, P.E.  
CIVIL ENGINEER  
MO# PE-2019000237

*10/2/2020*  
DATE



BY		REVISIONS	
REV. NO.	DATE	REVISIONS DESCRIPTION	DATE
			2020

TITLE SHEET	WATER MAIN EXTENSION PLANS
HAWTHORN RIDGE THIRD PLAT	LEE'S SUMMIT, MO
SHEET C300	

drawn by: OLS  
checked by: BMW  
approved by: BMW  
QA/QC by: JES  
project no.: A19-1605  
drawing no.: C\_TTL01\_A191605  
date: 10/02/2020





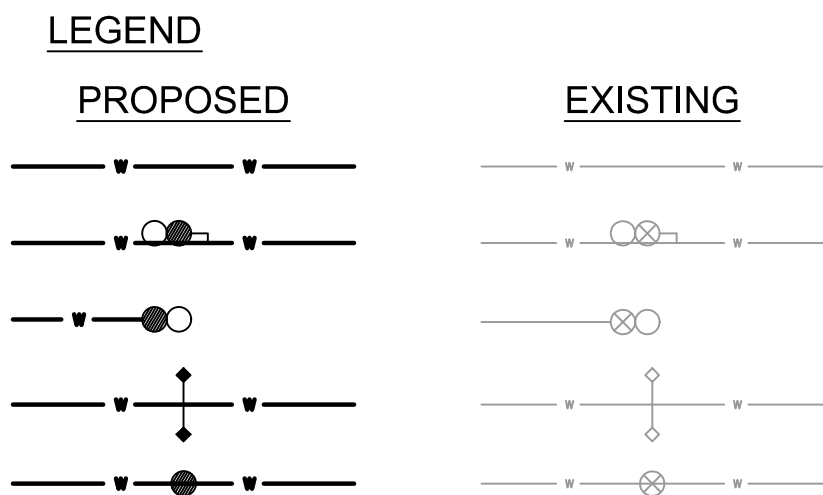


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USER: bworthley



GENERAL NOTES:  
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE STANDARDS AND SPECIFICATIONS FOR WATER MAIN EXTENSIONS OF THE LEE'S SUMMIT, MISSOURI WATER SERVICES DEPARTMENT. WHERE DISCREPANCIES EXIST BETWEEN THESE PLANS AND THE DESIGN AND CONSTRUCTION MANUAL, THE DESIGN AND CONSTRUCTION MANUAL SHALL PREVAIL.  
2. AREAS WITH LESS THAN 4 FEET OF DEPTH FROM EXISTING GRADE TO PROPOSED TOP OF PIPE SHALL BE FILLED TO AN ELEVATION OF 4 FEET ABOVE THE PROPOSED TOP OF PIPE, COMPACTED 95% OF STANDARD PROCTOR DENSITY AS DETERMINED BY ASTM D698 PRIOR TO TRENCHING FOR PIPE INSTALLATION.

WATER MAINS  
FIRE HYDRANTS ASSEMBLY  
STRAIGHT SET HYDRANT ASSEMBLY  
STRADDLE BLOCK  
VALVES



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www.olsson.com

STATE OF MISSOURI  
BROCK M. WORTHLEY  
Professional Engineer  
PE-2019000237  
10/2/2020

BY  
REVISIONS DESCRIPTION  
DATE  
REV. NO.

GENERAL LAYOUT  
WATER MAIN EXTENSION PLANS  
HAWTHORN RIDGE  
THIRD PLAT  
LEE'S SUMMIT, MO  
2020

drawn by: OLS  
checked by: BMW  
approved by: BMW  
QA/QC by: JES  
project no.: A19-1605  
drawing no.: GEN01\_A191605  
date: 10/02/2020

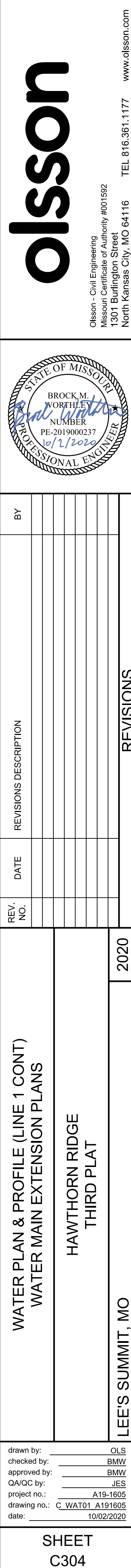
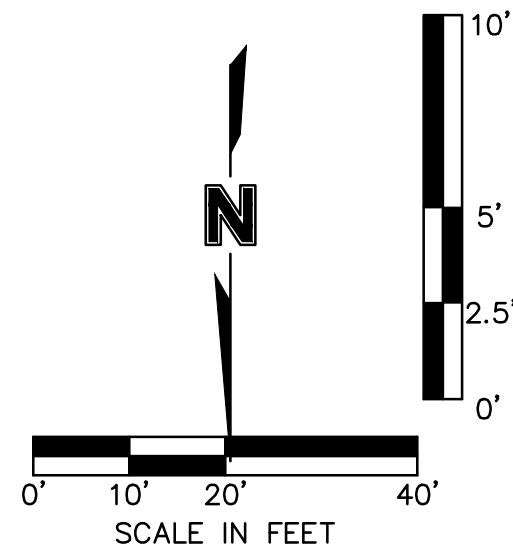
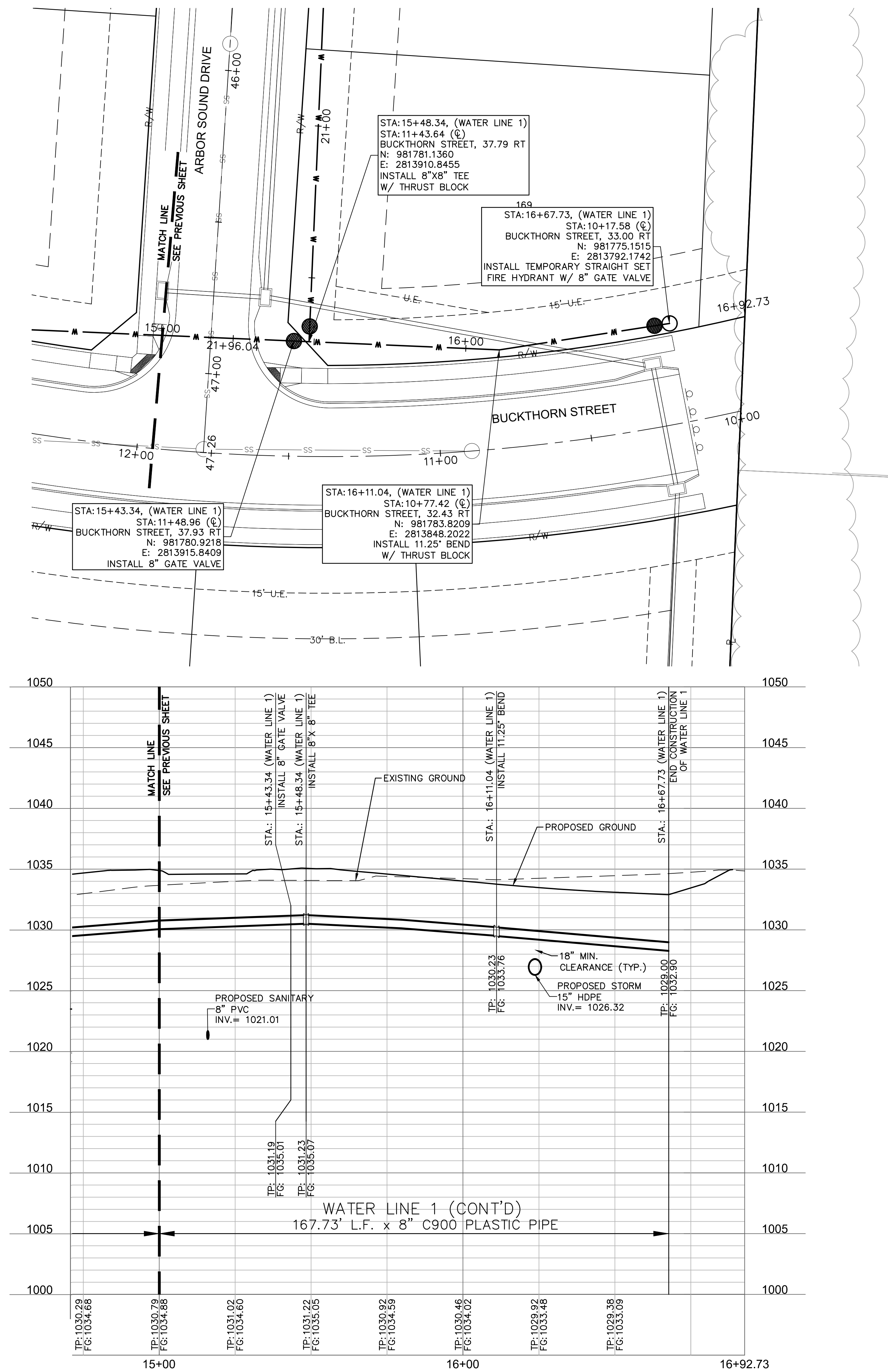
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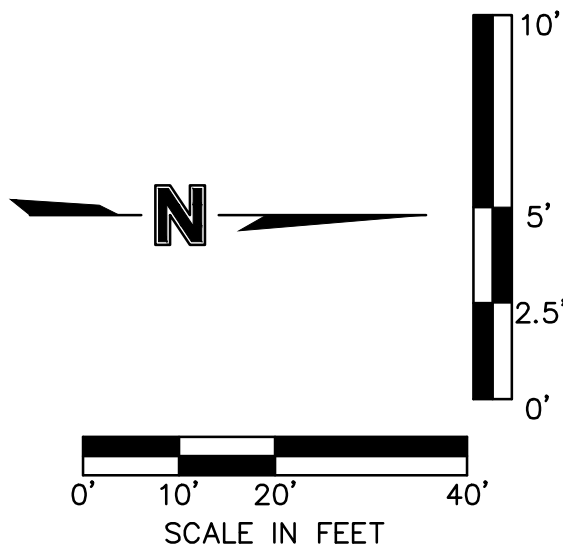
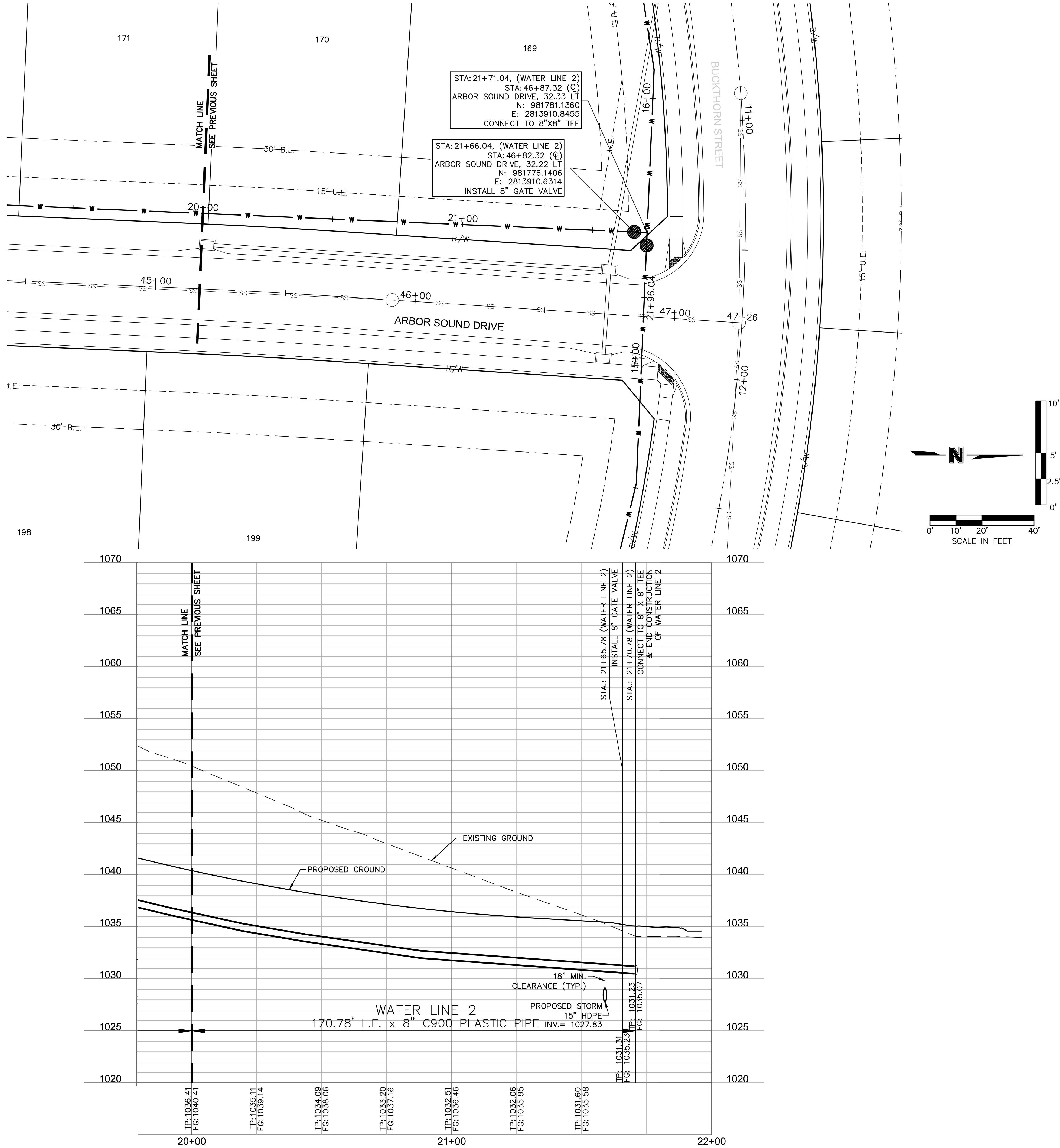








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drawn by: OLS  
checked by: BMW  
approved by: BMW  
QA/QC by: JES  
project no.: A19-1605  
drawing no.: C\_WAT02\_A191605  
date: 10/02/2020

SHEET  
C307

WATER PLAN & PROFILE (LINE 2 CONT)  
WATER MAIN EXTENSION PLANS

HAWTHORN RIDGE  
THIRD PLAT

LEE'S SUMMIT, MO

2020

REV. NO.

DATE

REVISIONS DESCRIPTION

BY

REVISIONS

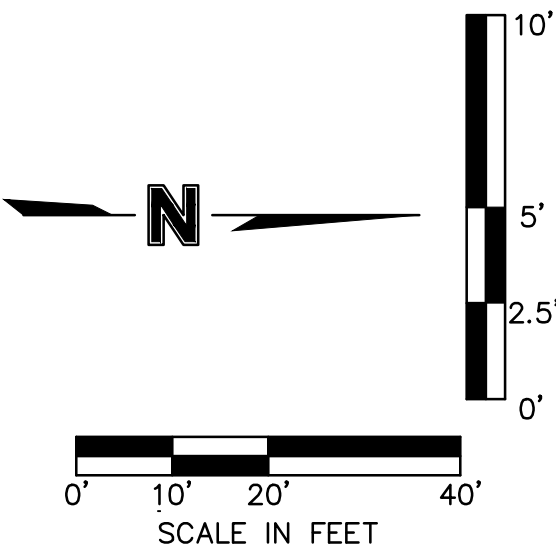
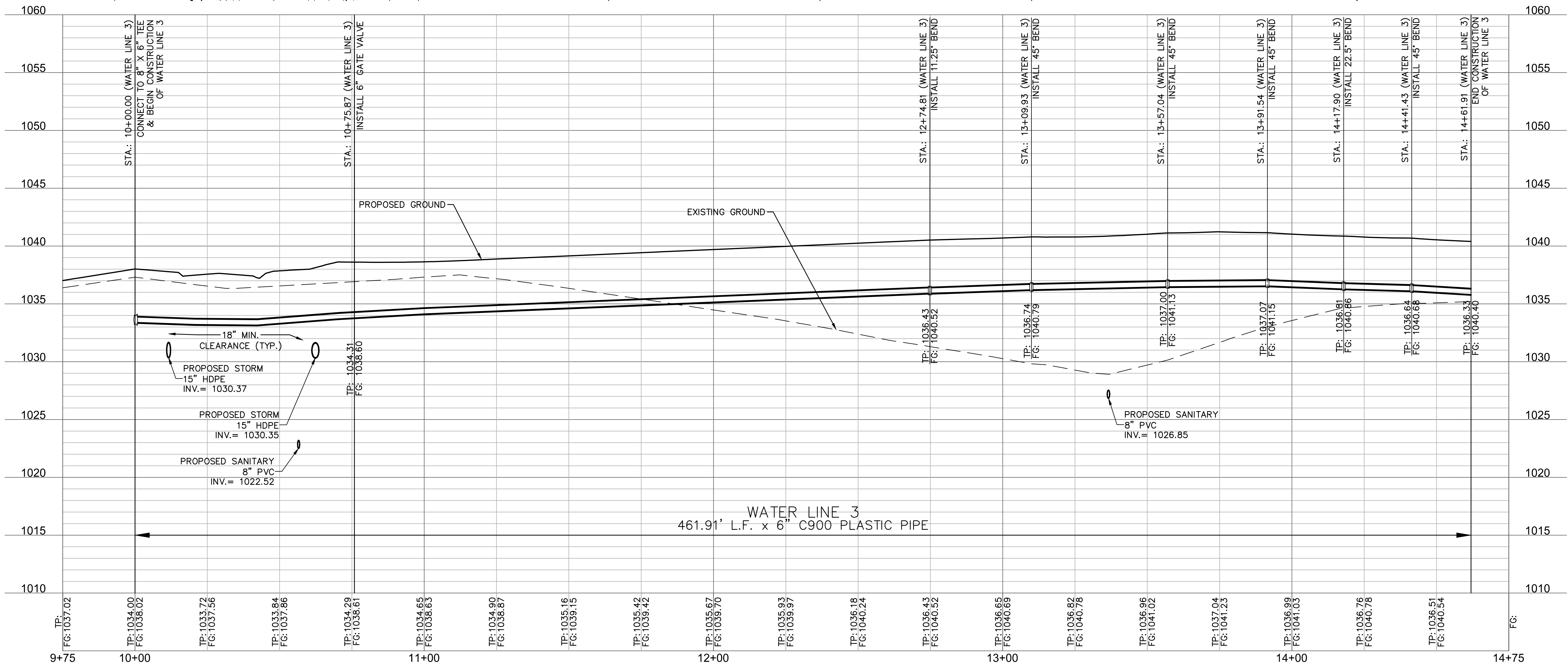
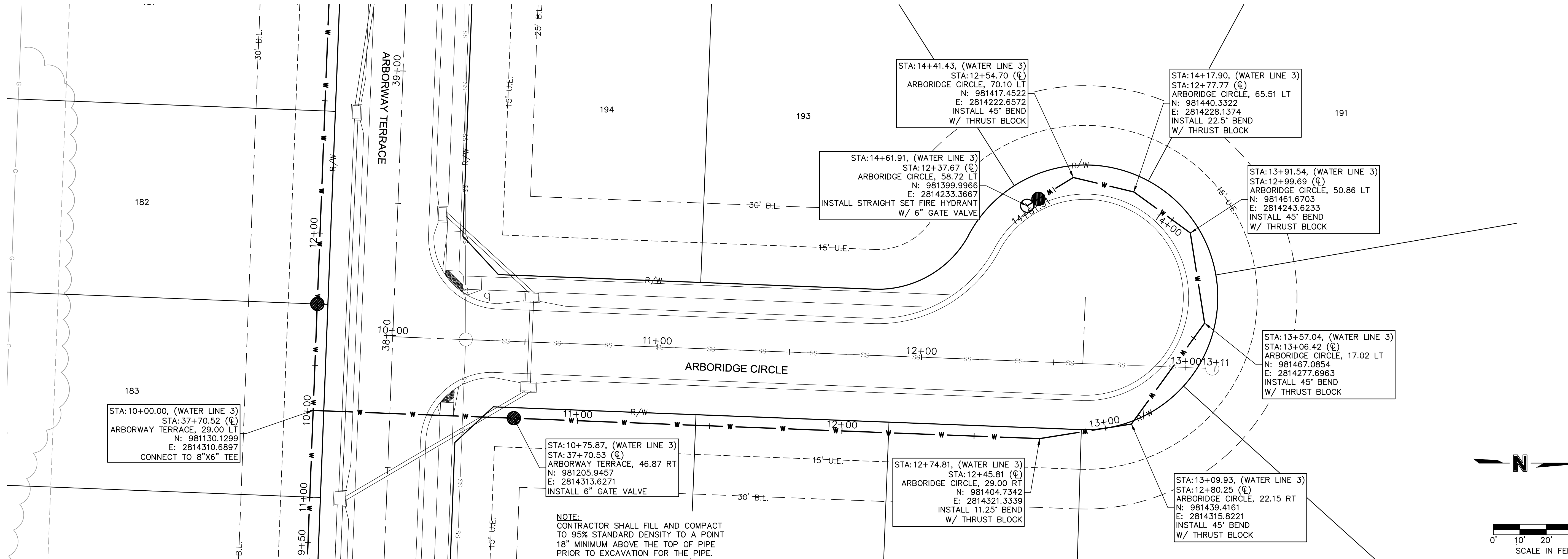


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STATE OF MISSOURI  
BROCK M. WORTHLEY  
NUMBER  
PE-2019000237  
10/2/2020  
PROFESSIONAL ENGINEER

BY  
REV. NO.  
DATE  
REVISIONS DESCRIPTION

WATER PLAN & PROFILE (LINE 3)  
WATER MAIN EXTENSION PLANS  
HAWTHORN RIDGE  
THIRD PLAT  
LEE'S SUMMIT, MO  
2020

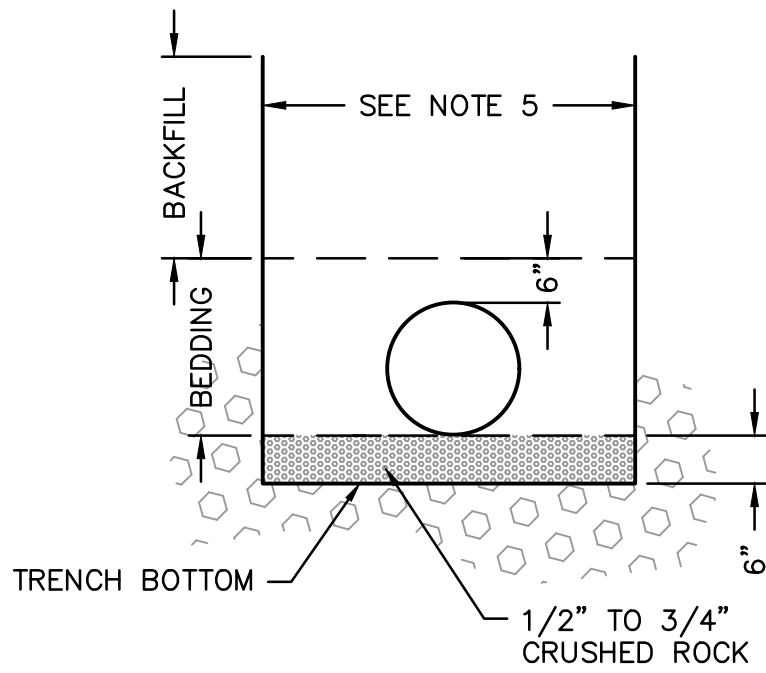
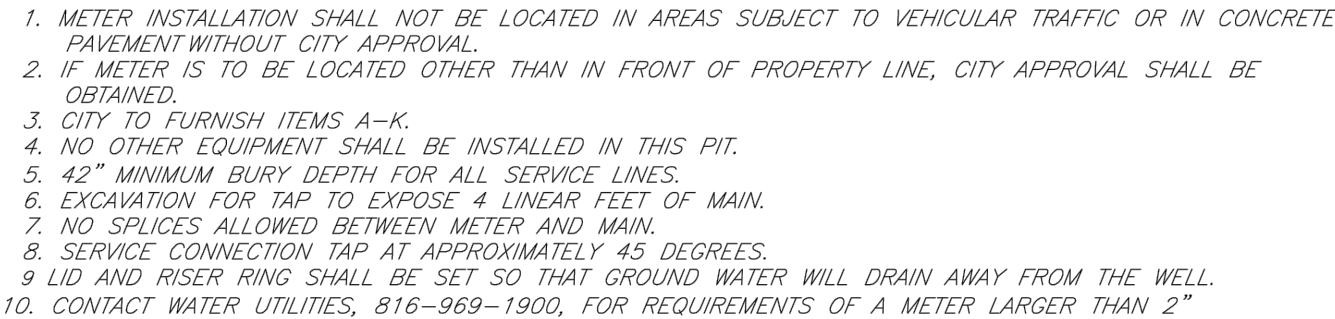
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checked by: BMW  
approved by: BMW  
QA/QC by: JES  
project no.: A19-1605  
drawing no.: C\_WAT02\_A191605  
date: 10/02/2020

SHEET  
C308









## TYPICAL TRENCH SECTION

## NOTES

1. BELL HOLES SHALL BE DUG SO THAT NO PART OF THE BELL SHALL BE IN CONTACT WITH THE TRENCH BOTTOM.
2. BEDDING AGGREGATE MATERIAL SHALL BE PER SECTION 6900 AND 2102 OF THE CITY DESIGN AND CONSTRUCTION MANUAL. 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 AS SHOWN ABOVE.
3. BACKFILL MATERIAL AND PLACEMENT SHALL BE PER SECTION 6900 AND 2102 OF THE CITY DESIGN AND CONSTRUCTION MANUAL.
4. TRENCHING SHALL BE IN ACCORDANCE WITH CURRENT OSHA REGULATIONS. SLOPES MUST NOT EXTEND BELOW TOP OF BEDDING.
5. MINIMUM AND MAXIMUM TRENCH WIDTHS SHALL BE IN ACCORDANCE WITH PIPE MANUFACTURERS RECOMMENDATION AS APPROVED ON ENGINEERING PLANS.

## UNDERGROUND PIPE INSTALLATION FOR WATER PIPING

