

VICINITY MAP
SEC 23, TWP 47, RGE 32
SCALE 1"=2000'

| PROJECT TEAM & UTILITY CONTACT LIST | |
|---|--|
| <u>OWNER / DEVELOPER</u> HUNT MIDWEST REAL ESTATE DEVELOPMENT, INC 8300 NE UNDERGROUND DRIVE KANSAS CITY, MO 64161 CONTACT: AARON SCHMIDT PHONE: 816.455.2500 EMAIL: ASCHMIDT@HUNT MIDWEST.COM | <u>UTILITY SERVICE NUMBERS</u> NAME: LEE'S SUMMIT PUBLIC WORKS PHONE: 816-969-1800 NAME: LEE'S SUMMIT WATER UTILITIES PHONE: 816-969-1900 |
| <u>ENGINEER</u> OLSSON 1301 BURLINGTON ST. SUITE 100 NORTH KANSAS CITY, MO 64116 CONTACT: STEPHEN SAYLOR, P.E. PHONE: 816.442.6061 EMAIL: SSAYLOR@OLSSON.COM | NAME: SPIRE PHONE: 314-342-0500 NAME: AT&T PHONE: 800-286-8313 NAME: EVERGY PHONE: 816-471-5275 |
| <u>SURVEYOR</u> OLSSON 1301 BURLINGTON ST. SUITE 100 NORTH KANSAS CITY, MO 64116 CONTACT: JASON ROUBEUSH PHONE: 816.361.1177 EMAIL: JROUBEUSH@OLSSON.COM | NAME: SPECTRUM PHONE: 877-772-2253 NAME: GOOGLE FIBER PHONE: 877-454-6959 |

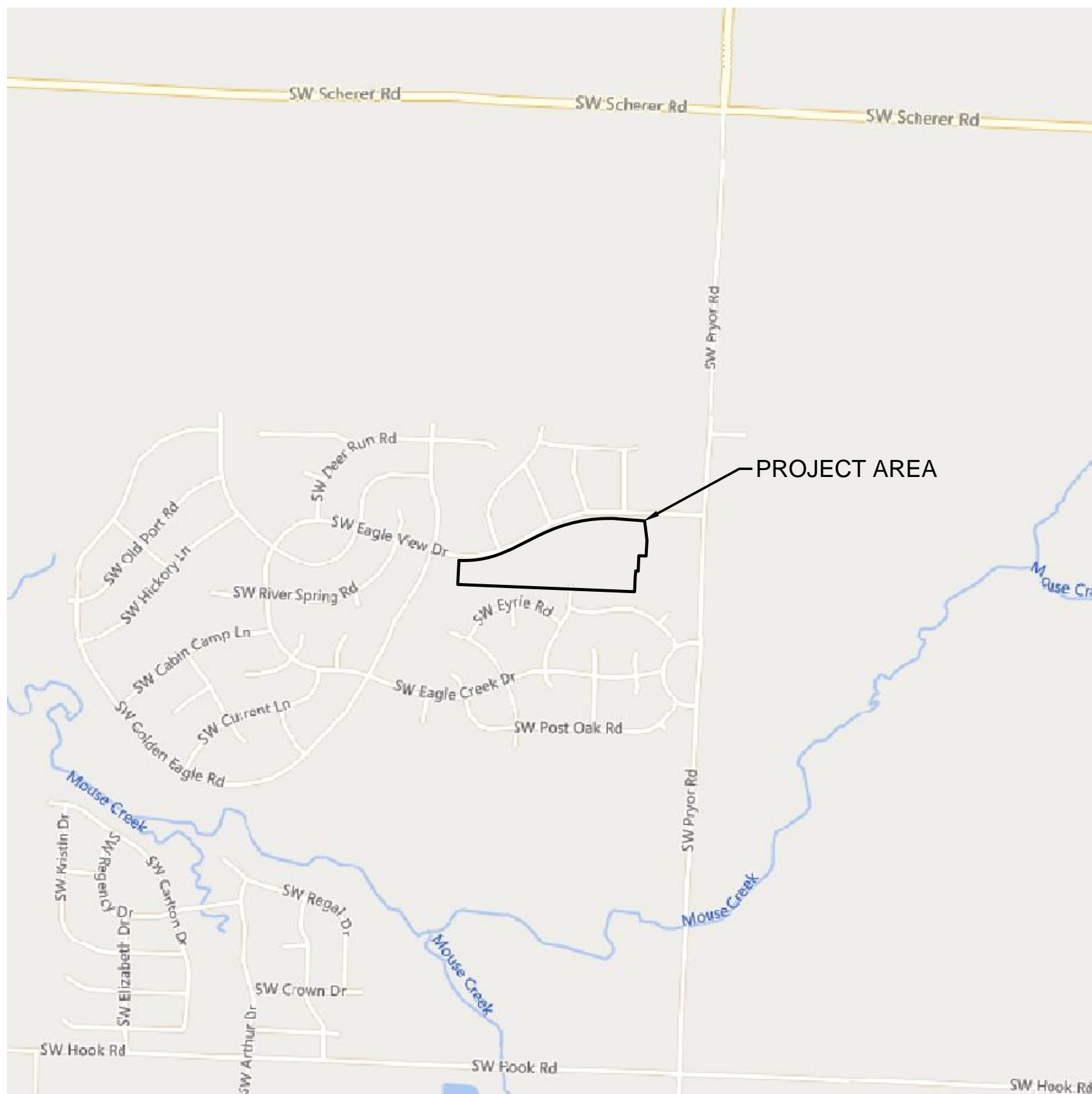
☐ NOT FOR CONSTRUCTION

☒ REVIEWED FOR CONSTRUCTION



EAGLE CREEK VILLAS FIRST PLAT WATER MAIN EXTENSION PLANS

SECTION 23, TOWNSHIP 47 N, RANGE 32 W.
IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



SHEET LIST TABLE

| SHEET # | SHEET TITLE |
|---------|------------------------------------|
| C301 | TITLE SHEET |
| C302 | GENERAL NOTES |
| C303 | GENERAL LAYOUT |
| C304 | WATER MAIN PLAN & PROFILE (LINE 1) |
| C305 | WATER MAIN PLAN & PROFILE (LINE 1) |
| C306 | WATER MAIN PLAN & PROFILE (LINE 1) |
| C307 | WATER MAIN PLAN & PROFILE (LINE 1) |
| C308 | WATER MAIN PLAN & PROFILE (LINE 2) |
| C309 | WATER MAIN PLAN & PROFILE (LINE 3) |
| C310 | WATER MAIN PLAN & PROFILE (LINE 4) |
| C311 | WATER MAIN PLAN & PROFILE (LINE 4) |
| C312 | DETAIL SHEET |
| C313 | DETAIL SHEET |

RELEASED FOR CONSTRUCTION
As Noted on Plan Review

Development Services Department
Lee's Summit, Missouri
05/23/2024


PROPERTY DESCRIPTION:

TRACT OF LAND IN THE NORTHEAST QUARTER OF SECTION 23 TOWNSHIP 47 NORTH, RANGE 32 WEST OF THE 5TH PRINCIPAL MERIDIAN IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI BEING BOUNDED AND DESCRIBED BY OR UNDER THE DIRECT SUPERVISION OF JASON S ROUDEBUSH, P.L.S. 202014092 AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF SAID NORTHEAST QUARTER; THENCE NORTH 02°46'08" EAST, ON THE EAST LINE OF SAID NORTHEAST QUARTER 1,323.83 FEET TO THE SOUTHEAST CORNER OF THE NORTH HALF OF SAID NORTHEAST QUARTER, ALSO BEING THE NORTHEAST CORNER OF EAGLE CREEK - FIFTH PLAT, A SUBDIVISION OF LAND IN SAID LEE'S SUMMIT RECORDED OCTOBER 9, 2001 AS INSTRUMENT NUMBER 200100081227 IN BOOK 70 AT PAGE 14; SAID OFFICE OF DEEDS, JACKSON COUNTY, MISSOURI; THENCE LEAVING SAID EAST LINE, NORTH 81°41'31" WEST, ON SAID FIFTH PLAT, SAID OFFICE OF DEEDS, JACKSON COUNTY, MISSOURI, 5,777.77 FEET TO THE POINT OF BEGINNING OF THE TRACT OF LAND TO BE HEREIN DESCRIBED, THENCE NORTH 87°41'31" WEST ON SAID SOUTH LINE AND SAID NORTH LINE, 675.87 FEET TO THE NORTHWEST CORNER OF SAID EAGLE CREEK - FIFTH PLAT, ALSO BEING THE NORTHWEST CORNER OF EAGLE CREEK - SIXTH PLAT, A SUBDIVISION IN SAID LEE'S SUMMIT RECORDED OCTOBER 9, 2001 AS INSTRUMENT NUMBER 200100082129 IN BOOK 70 AT PAGE 15 IN SAID OFFICE OF RECORDER OF DEEDS, JACKSON COUNTY, MISSOURI; THENCE NORTH 87°41'31" WEST ON SAID SOUTH LINE, ALSO BEING THE NORTH LINE OF SAID EAGLE CREEK - SIXTH PLAT, 704.45 FEET TO THE NORTHWEST CORNER OF SAID EAGLE CREEK - SIXTH PLAT, ALSO BEING THE EASTERLY LINE OF TRACT C OF EAGLE CREEK - SEVENTH PLAT, LOTS 230 THRU 282, INCLUSIVE, AND TRACT C, A SUBDIVISION OF LAND IN SAID LEE'S SUMMIT RECORDED APRIL 25, 2003 AS INSTRUMENT NUMBER 200300030126 IN BOOK 76 AT PAGE 12 IN SAID OFFICE OF DEEDS, JACKSON COUNTY, MISSOURI; THENCE LEAVING SAID EAST LINE, NORTH 87°41'31" WEST, ON SAID SOUTH LINE AND SAID EASTERLY LINE, 41 FEET, THENCE LEAVING SAID SOUTH LINE, NORTH 02°46'08" EAST, ON SAID EASTERLY LINE, 197.92 FEET TO THE NORTHWEST CORNER OF SAID TRACT C, ALSO BEING A POINT ON THE EXISTING SOUTHERLY RIGHT-OF-WAY LINE SW EAGLE VIEW DRIVE, AS ESTABLISHED BY SAID EAGLE CREEK - SEVENTH PLAT, LOT 230 THRU 282, INCLUSIVE, AND TRACT C; THENCE EASTERLY, ON SAID EXISTING SOUTHERLY RIGHT-OF-WAY LINE, ON A CURVE TO THE LEFT HAVING AN INITIAL TANGENT BEARING OF SOUTH 86°54'35" EAST WITH A RADIUS OF 830.00 FEET, A CENTRAL ANGLE OF 29°39'14" AND AN ARC DISTANCE OF 429.57 FEET, THENCE NORTH 63°26'11" EAST, ON SAID EXISTING SOUTHERLY RIGHT-OF-WAY LINE, 285.62 FEET; THENCE EASTERLY, ON SAID EXISTING SOUTHERLY RIGHT-OF-WAY LINE, ON A CURVE TO THE RIGHT BEING TANGENT TO THE LAST DESCRIBED COURSE WITH A RADIUS OF 1,270.00 FEET, A CENTRAL ANGLE OF 31°03'25" AND AN ARC DISTANCE OF 688.40 FEET; THENCE SOUTH 85°30'24" EAST, ON SAID EXISTING SOUTHERLY RIGHT-OF-WAY LINE, 99.10 FEET TO THE POINT OF BEGINNING OF THE TRACT OF LAND TO BE HEREIN DESCRIBED, THENCE SOUTH 02°46'08" WEST, THENCE SOUTH 02°46'08" WEST, 258.61 FEET, THENCE SOUTH 02°15'50" WEST, 1,005.00 FEET; THENCE WESTERLY ON A CURVE TO THE RIGHT HAVING AN INITIAL TANGENT BEARING OF NORTH 87°41'31" WEST WITH A RADIUS OF 1,025.00 FEET, A CENTRAL ANGLE OF 04°39'21" AND AN ARC DISTANCE OF 83.29 FEET; THENCE SOUTH 02°18'29" WEST, 123.38 FEET TO THE POINT OF BEGINNING, CONTAINING 669.406 SQUARE FEET OR 15.37 ACRES, MORE OR LESS.

BENCHMARK

BENCHMARK NO. 1
CHISELED SQUARE ON THE NORTHWEST CORNER OF 6' X 4' CURB INLET THAT IS ON THE SOUTH SIDE OF SW EAGLEVIEW DRIVE AND WEST OF SW BURNINGWOOD LANE, STRAIGHT SOUTH OF A 6' X 4' CURB INLET.
ELEVATION = 1002.10

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


STEPHEN SAYLOR, P.E.
CIVIL ENGINEER
MO#2018021248

5/7/2024

DATE

| | | | | | | | | | |
|---|--|--|--|----------------------------------|--|---------------|--|--|--|
| <div>drawn by: _____</div> <div>checked by: _____</div> <div>approved by: _____</div> <div>QA/QC by: _____</div> <div>project no.: _____</div> <div>drawing no.: <u>C. TTL01</u></div> <div>date: _____</div> | | <div>CW</div> <div>SS</div> <div>JS</div> <div>JS</div> <div>A20-2467</div> <div>A20-2467</div> <div>02/23/2024</div> | | <div>SHEET</div> <div>C301</div> | | | | | |
| | | | | | | | | | |
| <div>TITLE SHEET</div> <div>WATER MAIN EXTENSION PLANS</div> <div>EAGLE CREEK VILLAS</div> <div>FIRST PLAT</div> | | <div>2023</div> <div>LEE'S SUMMIT, MISSOURI</div> | | <div>REVISIONS</div> | | <div>BY</div> | | <div>REV. NO.</div> <div>DATE</div> <div>REVISIONS DESCRIPTION</div> <div>1 02/23/2024 REVISED PER CITY COMMENTS</div> <div>2 04/02/2024 REVISED PER CITY COMMENTS</div> <div>3 05/07/2024 REVISED PER CITY COMMENTS</div> | |
| | | | | | | | | | |
| <div>olsson</div> <div>Olsson - Civil Engineering Missouri Certificate of Authority #001592 1301 Burlington Street North Kansas City, MO 64116 TEL 816.361.1177 www.olsson.com</div> | | <div>STATE OF MISSOURI</div> <div>STEPHEN M. SAYLOR</div> <div>REGISTERED PROFESSIONAL ENGINEER</div> <div>PE 2018021245</div> | | <div>5/7/2024</div> | | | | | |
| | | | | | | | | | |

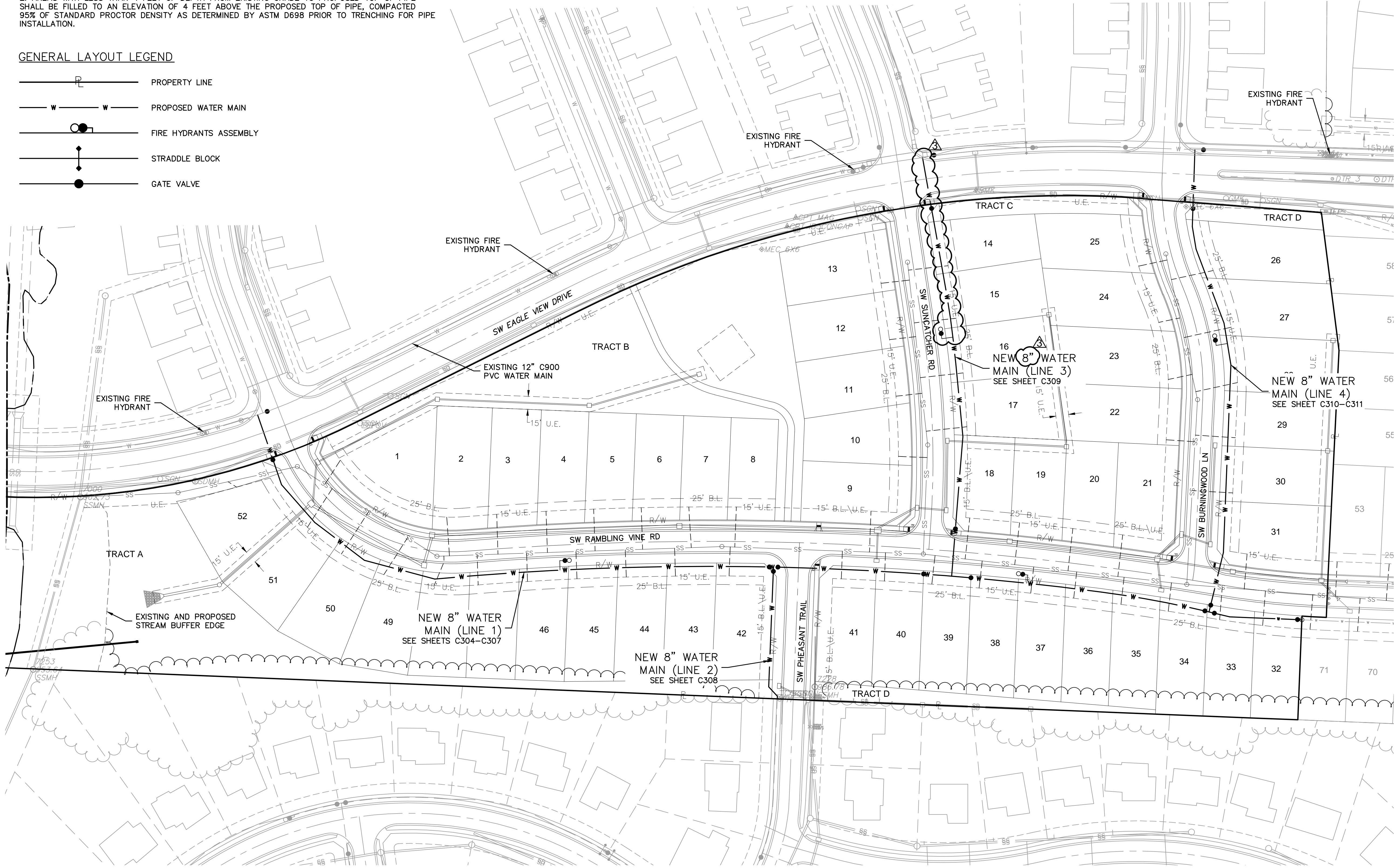
DWG: F:\2020\2001-2500\020-2467-A\40-Design\AutoCAD\Final Plans\Sheets\GNV\Water\C_GEN01_A202467.dwg
DATE: May 07, 2024 11:21am XREFS: C_PU1L_A202467 C_XBASE_A202467 C_PBASE_A202467 C_PBDY_A202467 C_PTBLK_A202467 USER: ssoylor

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.

GENERAL LAYOUT LEGEND

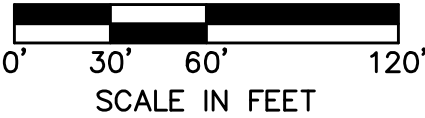
- P — PROPERTY LINE
- W — W — PROPOSED WATER MAIN
- ● — FIRE HYDRANTS ASSEMBLY
- ● — STRADDLE BLOCK
- ● — GATE VALVE

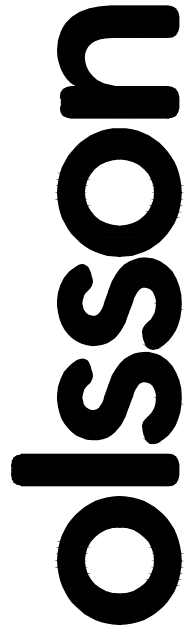


RELEASED FOR CONSTRUCTION
As Noted on Plan Review


Development Services Department
Lee's Summit, Missouri

05/23/2024





Olsson - Civil Engineering
Missouri Certificate of Authority #001592
1301 Burlington Street
North Kansas City, MO 64116
TEL 816.361.1177
www.olsosn.com



5/7/2024

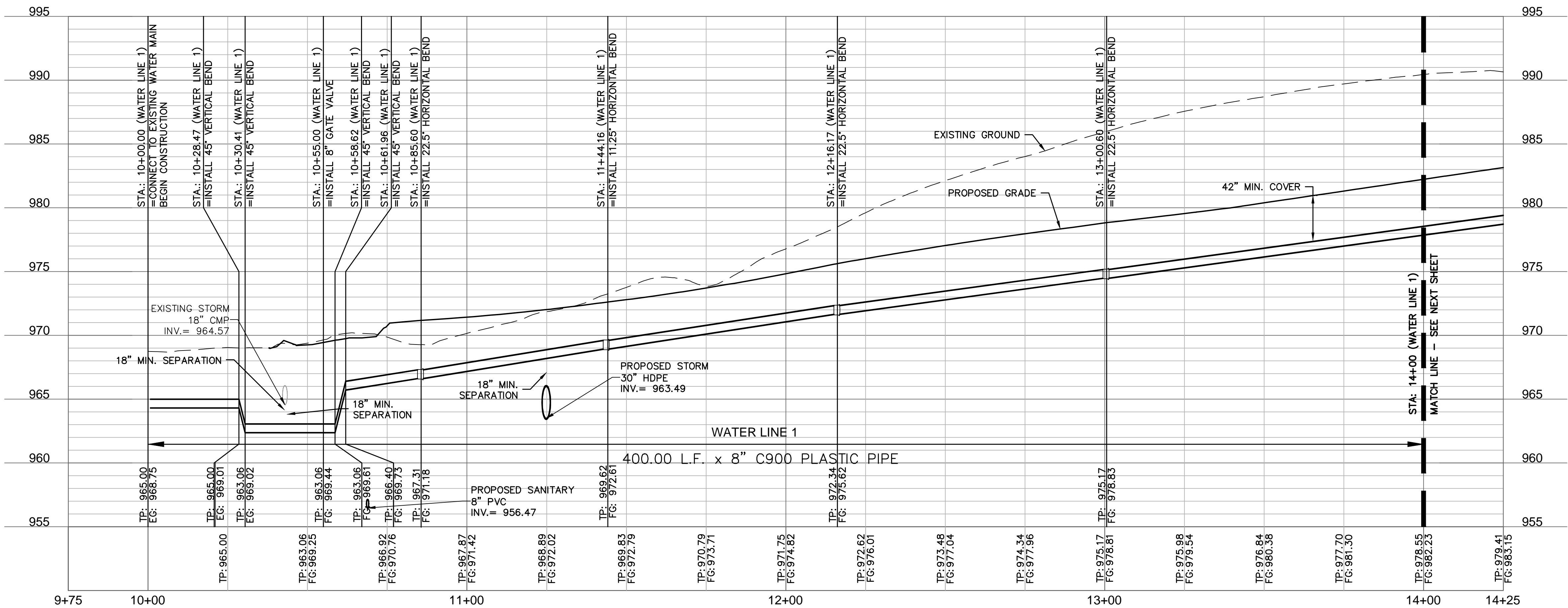
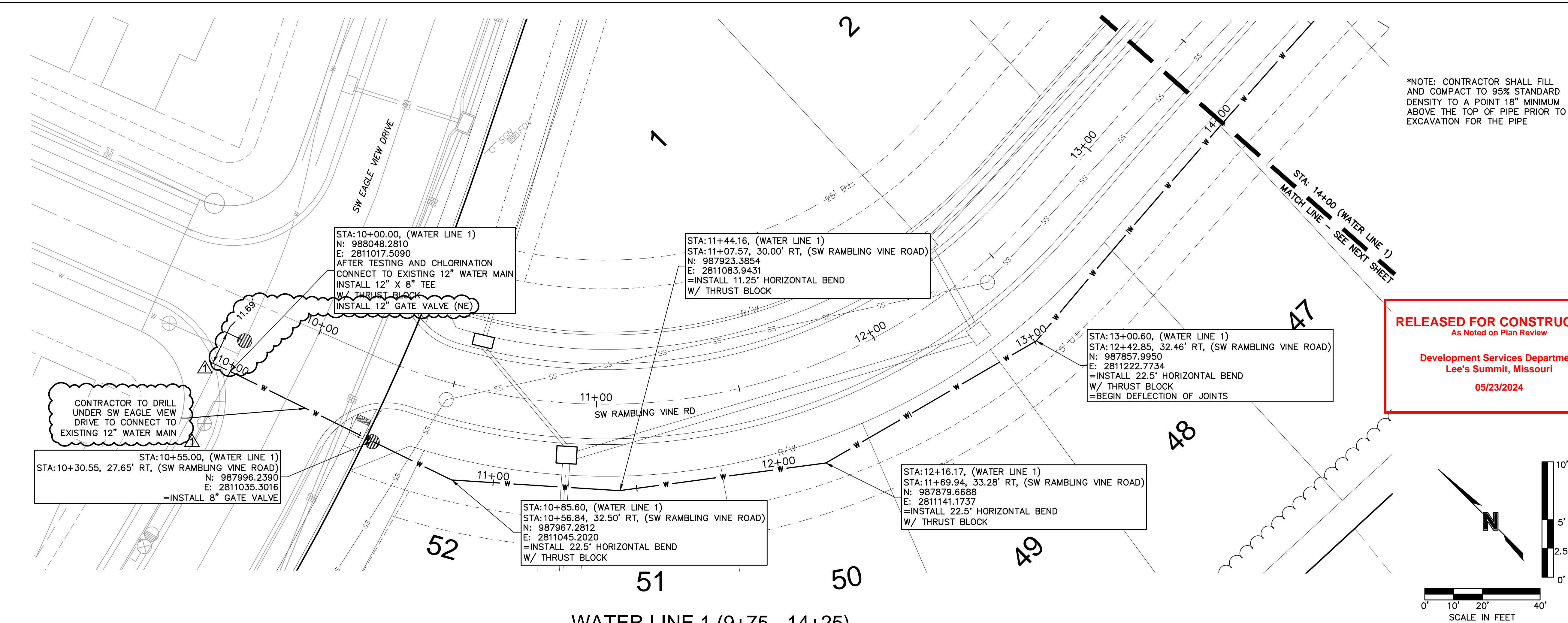
| REVISIONS | |
|-----------|------------|
| REV. NO. | DATE |
| 1 | 02/23/2024 |
| 2 | 04/02/2024 |
| 3 | 05/07/2024 |

| GENERAL LAYOUT WATER MAIN EXTENSION PLANS | |
|--|--|
| EAGLE CREEK VILLAS FIRST PLAT | |
| LEE'S SUMMIT, MISSOURI | |
| 2023 | |

| |
|------------------------------|
| drawn by: C.W. |
| checked by: S.S. |
| approved by: J.B. |
| QA/QC by: J.S. |
| project no.: A20-2467 |
| drawing no.: C_GEN01_A202467 |
| date: 02/23/2024 |

SHEET
C303

DWG: F:\2020\2001-2500\020-2467-A\40-Design\AutoCAD\Final Plans\Sheets\GNCV\Water\C_WAT01_A202467.dwg
DATE: May 07, 2024 11:24am XREFS: C_PU1L_A202467 C_XBASE_A202467 C_PBASE_A202467 C_PWDY_A202467 C_PTBLK_A202467 C_PWATR_A202467 USER: ssaylor



olsson

Olsson - Civil Engineering
Missouri Certificate of Authority #001592
1301 Burlington Street
North Kansas City MO 64116
TEL 816.361.1177
www.olsson.com

STATE OF MISSOURI
STEPHEN M. Saylor
Professional Engineer
PE-2018021248
5/7/2024

BY

REVISIONS

REV. NO.

DATE

REVISIONS DESCRIPTION

REVISED PER CITY COMMENTS

WATER MAIN PLAN & PROFILE (LINE 1)
WATER MAIN EXTENSION PLANS

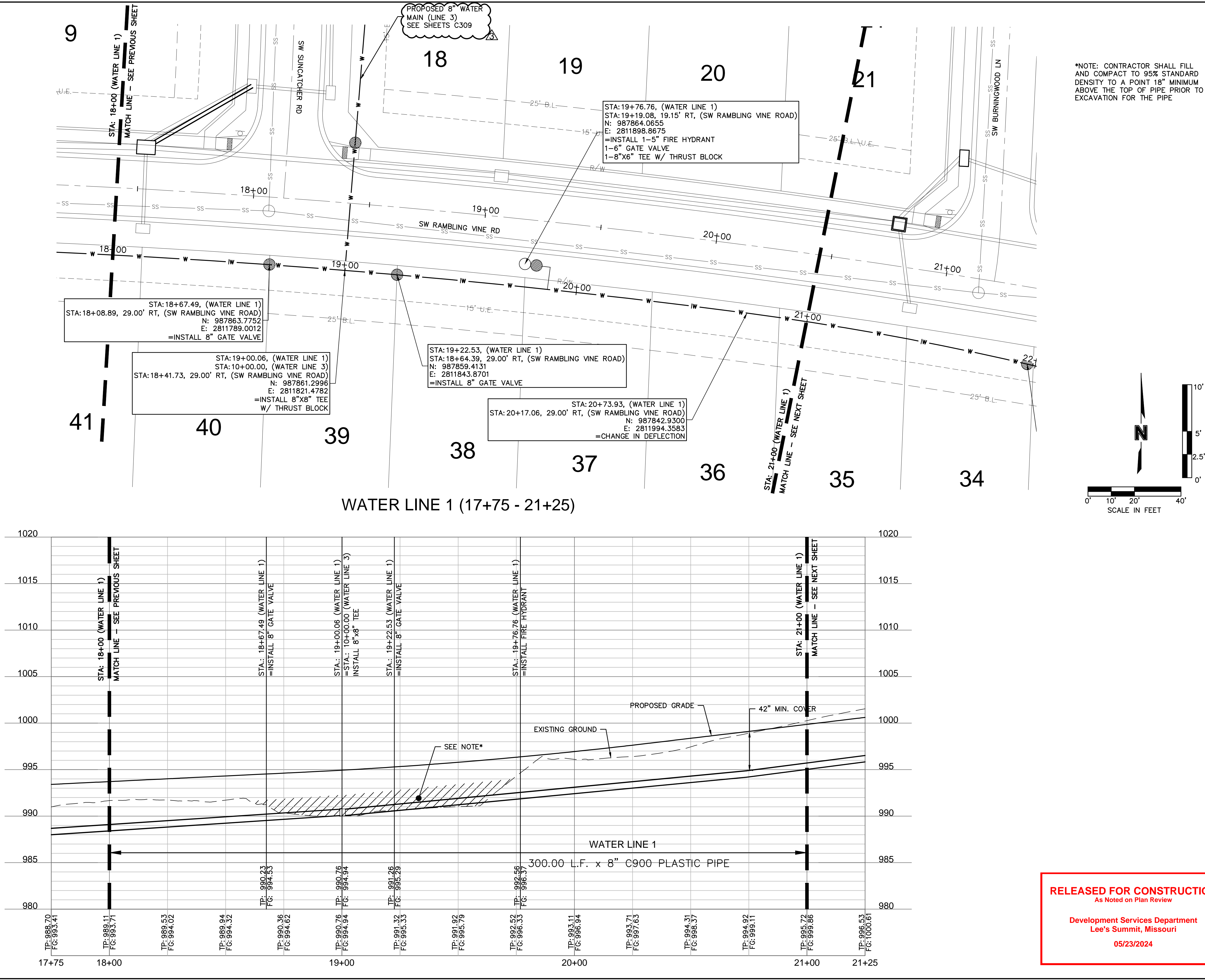
EAGLE CREEK VILLAS
FIRST PLAT

LEE'S SUMMIT, MISSOURI

2023

drawn by: C/W
checked by: SS
approved by: LB
QA/QC by: JS
project no.: A20-2467
drawing no.: C_WAT01_A202467
date: 02/23/2024

SHEET
C304



RELEASED FOR CONSTRUCTION
As Noted on Plan Review

Development Services Department
Lee's Summit, Missouri

05/23/2024

olsson

Olsson - Civil Engineering
Missouri Certificate of Authority #001592
1301 Burlington Street
North Kansas City, MO 64116
TEL 816.381.1177
www.olsson.com

STATE OF MISSOURI
STEPHEN M. SAYCOR
PROFESSIONAL ENGINEER
NUMBER PE-2018021248
5/7/2024

WATER MAIN PLAN & PROFILE (LINE 1)
WATER MAIN EXTENSION PLANS
EAGLE CREEK VILLAS
FIRST PLAT
LEE'S SUMMIT, MISSOURI

2023

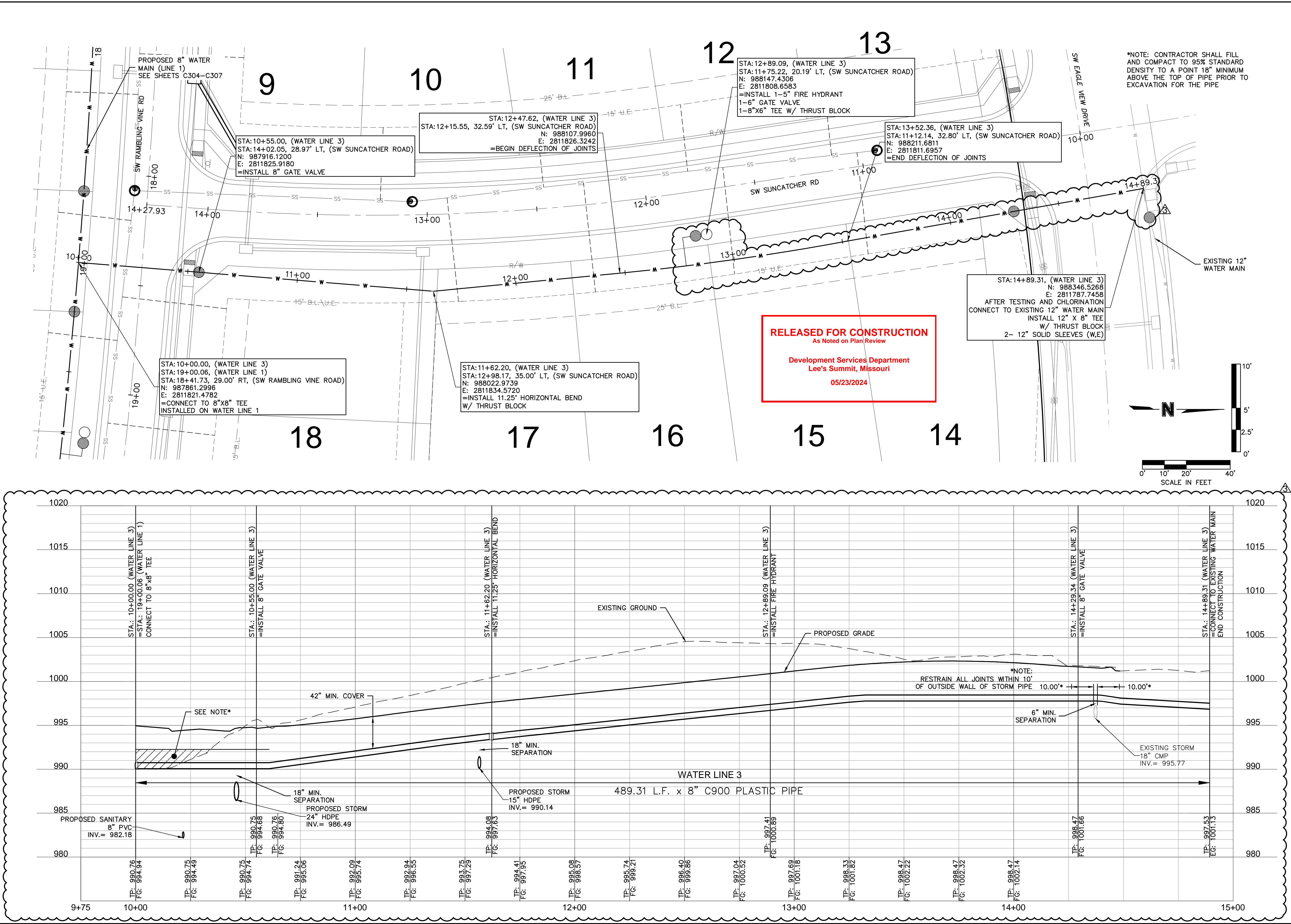
drawn by: CW
checked by: SS
approved by: LB
QA/QC by: LB
project no.: A20-2467
drawing no.: C_WAT01_A202467
date: 02/23/2024

SHEET
C306

REVISIONS

| REV. | NO. | DATE | REVISIONS DESCRIPTION |
|------|-----|------------|---------------------------|
| 2 | | 04/02/2024 | REVISED PER CITY COMMENTS |
| 3 | | 05/07/2024 | REVISED PER CITY COMMENTS |

DWG: F:\2020\2001-2500\020-2467-A\40-Design\AutoCAD\Final Plans\Sheets\GNCV\Water\C_WAT02_A202467.dwg
DATE: May 07, 2024 11:27am
USER: ssaylor
C_PWDY_A202467 C_PTBLK_A202467 C_PWATR_A202467
XREFS: C_PU1_A202467 C_XBASE_A202467 C_FBASE_A202467



RELEASED FOR CONSTRUCTION
As Noted on Plan Review

Development Services Department
Lee's Summit, Missouri

05/23/2024

Olsson - Civil Engineering
Missouri Certificate of Authority #001592
1301 Burlington Street
North Kansas City MO 64116
TEL 816.361.1177
www.olson.com

| REV. | NO. | DATE | DESCRIPTION |
|------|------------|---------------------------|-------------|
| 1 | 02/23/2024 | REVISED PER CITY COMMENTS | |
| 2 | 04/02/2024 | REVISED PER CITY COMMENTS | |
| 3 | 05/07/2024 | REVISED PER CITY COMMENTS | |

| BY | DATE |
|----|------|
| | |

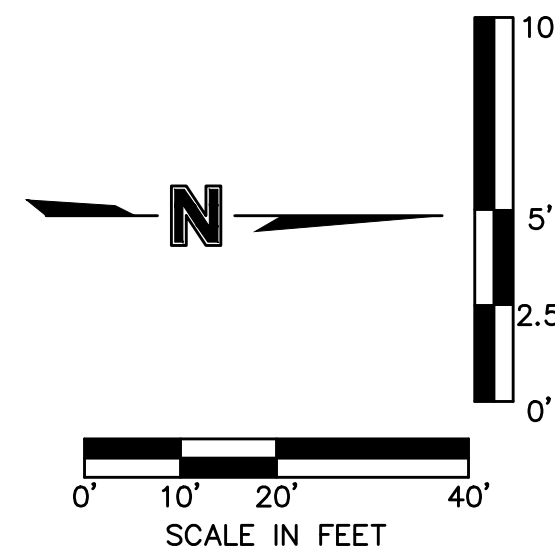
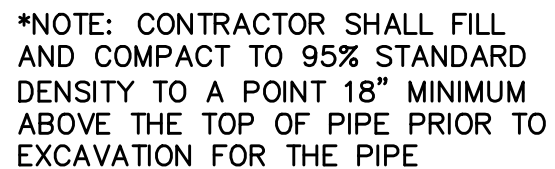
| REVISIONS |
|-----------|
| |



| WATER MAIN PLAN & PROFILE (LINE 3) |
|------------------------------------|
| WATER MAIN EXTENSION PLANS |
| EAGLE CREEK VILLAS FIRST PLAT |
| LEE'S SUMMIT, MISSOURI |

| | |
|--------------------|-----------------|
| drawn by: _____ | CY |
| checked by: _____ | SS |
| approved by: _____ | LS |
| QA/QC by: _____ | LS |
| project no.: _____ | A20-2467 |
| drawing no.: _____ | C_WAT02_A202467 |
| date: _____ | 02/23/2024 |

| SHEET |
|-------|
| C309 |

USER: ssaylor
SE_A202467




| | | | |
|---|------------------------------|---------------------------|----|
| <div>WATER MAIN PLAN & PROFILE (LINE 4) WATER MAIN EXTENSION PLANS</div> <div>EAGLE CREEK VILLAS FIRST PLAT</div> <div>LEE'S SUMMIT, MISSOURI</div> <div>2023</div> | drawn by: _____ | CW | |
| | checked by: _____ | SS | |
| | approved by: _____ | JS | |
| | QA/QC by: _____ | JS | |
| | project no.: _____ | A20-2467 | |
| | drawing no.: C_WAT02_A202467 | | |
| | date: 02/23/2024 | | |
| | | | |
| | | | |
| | | | |
| SHEET C311 | | | |
| WATER MAIN EXTENSION PLANS | | | |
| EAGLE CREEK VILLAS | | | |
| FIRST PLAT | | | |
| LEE'S SUMMIT, MISSOURI | | | |
| 2023 | | | |
| REV. NO. | DATE | REVISIONS DESCRIPTION | BY |
| 1 | 02/23/2024 | REVISED PER CITY COMMENTS | |
| 2 | 04/02/2024 | REVISED PER CITY COMMENTS | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| REVISIONS | | | |
| 5/7/2024 | | | |
|  | | | |
|  | | | |
| Olsson - Civil Engineering Missouri Certificate of Authority #001592 1301 Burlington Street North Kansas City, MO 64116 TEL 816.361.1177 www.olsson.com | | | |

The diagram illustrates a trench cross-section. At the top is a horizontal line labeled "FINISHED GRADE". Below this is a layer of "REGULAR BACKFILL" represented by a cross-hatch pattern. A "TRENCH AS REQUIRED BY OSHA" is indicated by a vertical line on the right side. Below the regular backfill is a layer of "FLOWABLE FILL" represented by a diagonal hatch pattern. A circular pipe is shown within the flowable fill layer. Dimension lines indicate a "12\"/>

NOT TO SCALE

NOTES:

1. FLOWABLE FILL SHALL MEET THE REQUIREMENTS OF THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL.
2. REGULAR BACKFILL ABOVE THE TRENCH CHECK SHALL BE FREE OF DEBRIS, ORGANIC MATTER, AND STONES > 6" IN ANY DIMENSION.
3. TOP OF FLOWABLE BACKFILL SHALL EXTEND 12" ABOVE THE TOP OF THE PIPE.
4. LENGTH OF TRENCH CHECK SHALL BE A MINIMUM OF 12".

| | | |
|---|--|----------------|
|  | <p>LEE'S SUMMIT MISSOURI</p> <p>PUBLIC WORKS ENGINEERING DIVISION 230 JE GREEN STREET LEE'S SUMMIT, MO 64083</p> <p>TRENCH CHECK</p> | Date: 02/13 |
| | | Drawn By: JN |
| | | Checked By: DL |
| | | FILE: WWT-6 |
| | | Rev: 1/14 |
| | | Rev: |

2" FROM BACK OF CURB
BACK OF CURB
GROUND SURFACE
THRUST BLOCK (SEE NOTE 1)
MECHANICAL JOINT (TYP.)
THRUST BLOCK (SEE NOTE 1)
VALVE LID & COVER
VARIES
20" MIN.
42" MAX.
KEEP WEEPHOLE FREE OF CONCRETE AND FOREIGN MATERIAL
24"X24"X4" SOLID CONCRETE PAD
UNDISTURBED EARTH
6" GATE VALVE
THRUST BLOCK
UNDISTURBED EARTH
PROVIDE MIN. 1/2 CU. YD. OF 3/4" GRANULAR FILL PER AWWA C600 SEC. 4.2.7.2.4
M/J RESTRAINT FITTINGS (SEE NOTES 1 & 2)

NOTES:

1. WHEN RETAINER GLANDS ARE USED IN LIEU OF MECHANICAL JOINT (M/J) RESTRAINT FITTINGS, HORIZONTAL THRUST BLOCKS ARE REQUIRED.
2. GATE VALVE MAY BE BOLTED DIRECTLY TO M/J RESTRAINT TEE.
3. SEE APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR FIRE HYDRANT, VALVES, VALVE BOX LID, AND COVER.
4. BOTTOM HYDRANT FLANGE SHALL BE 2" TO 6" ABOVE FINISHED GRADE.
5. FOR STREETS WITHOUT CURBS FIRE HYDRANTS SHALL BE PLACED WITHIN 1 FOOT OF THE R/W LINE, BUT NOT MORE THAN 10' FROM EDGE OF PAVEMENT. FIRE HYDRANT SHALL NOT BE PLACED IN BOTTOM OF DITCH.
6. HYDRANT SHALL BE ROTATED AS DIRECTED BY INSPECTOR.

LEE'S SUMMIT
MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 230 36 GREEN STREET | LEE'S SUMMIT, MO 64063

HYDRANT INSTALLATION — STRAIGHT SET

| |
|----------------|
| Date: 02/13 |
| Drawn By: JN |
| Checked By: DL |
| File: WH-7 |
| Rev: 1/14 |
| Rev: |

2" FROM BACK OF CURB

BACK OF CURB

GROUND SURFACE

THRUST BLOCK (SEE NOTE 1)

MECHANICAL JOINT (TYP.)

VALVE LID & COVER

VARIES

20" MIN. 42" MAX.

KEEP WEEPHOLE FREE OF CONCRETE AND FOREIGN MATERIAL

24"X24"X4" SOLID CONCRETE PAD

UNDISTURBED EARTH

VALVE BOX & BASE

6" GATE VALVE

UNDISTURBED EARTH

THRUST BLOCKS

24" MIN.

PROVIDE MIN. 1/2" CU. YD. OF 3/4" GRANULAR FILL PER AWWA C600 SECTION 4.2.7.2.4

MJ RESTRAINT FITTINGS (SEE NOTES 1 & 2)

RELEASED FOR

As Noted on

Development Serv

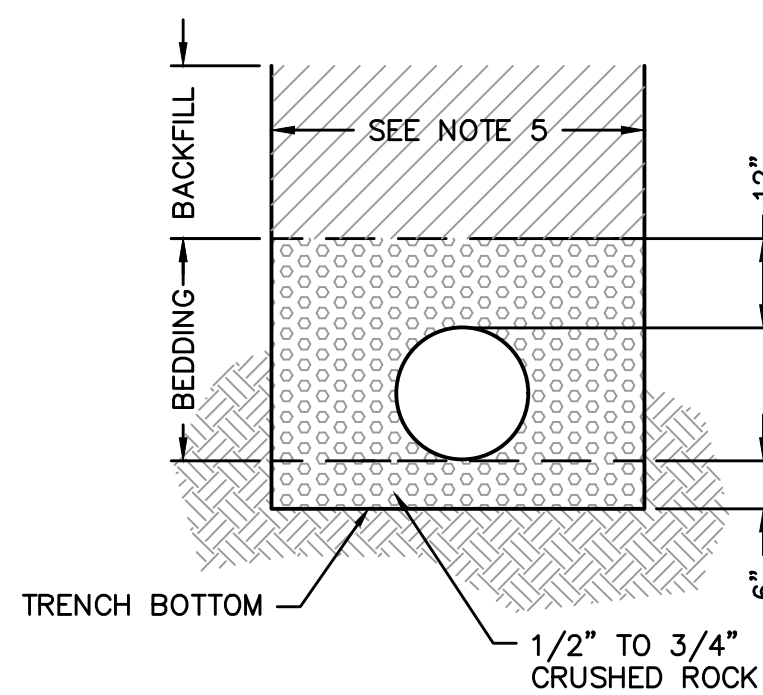
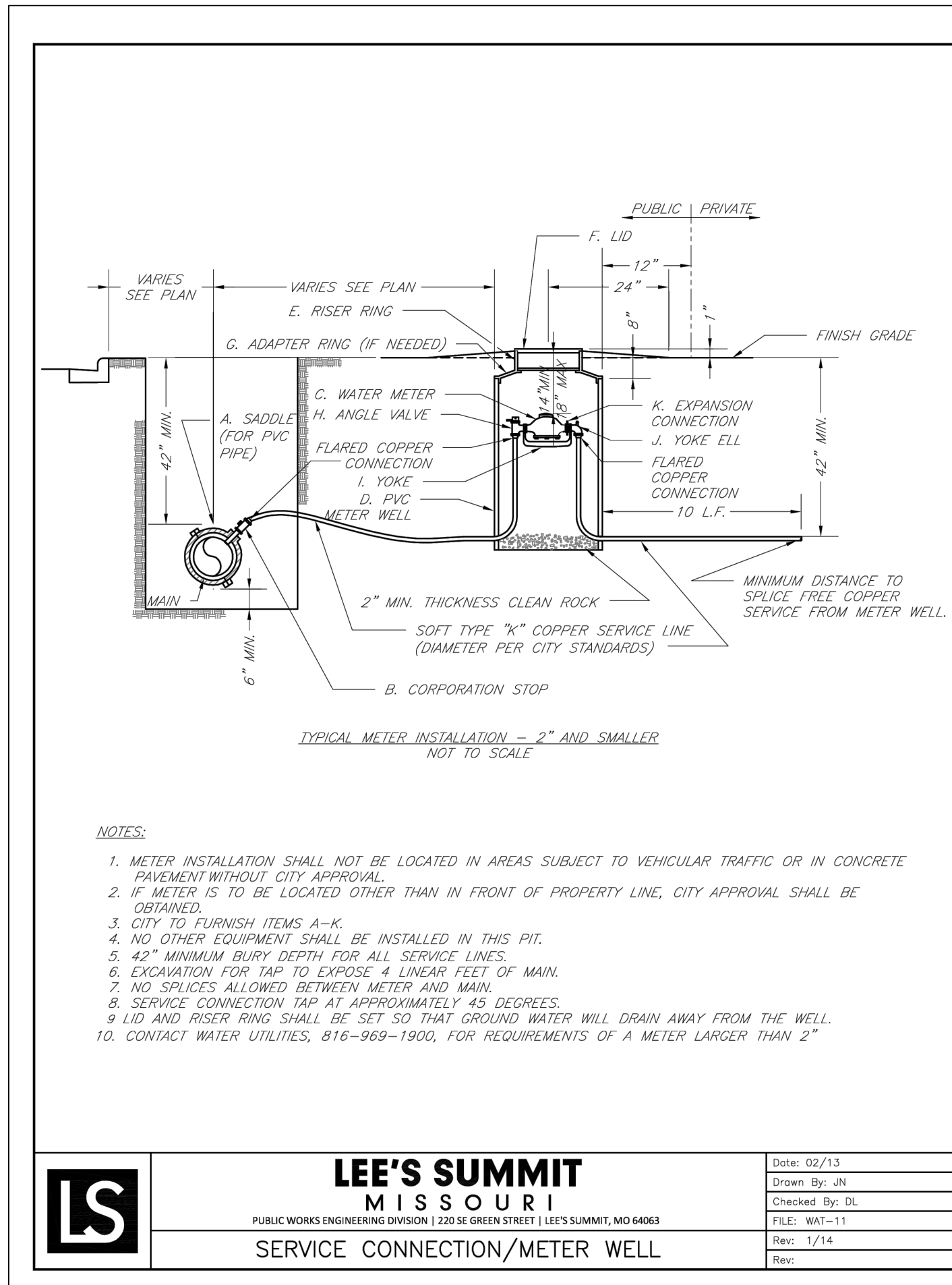
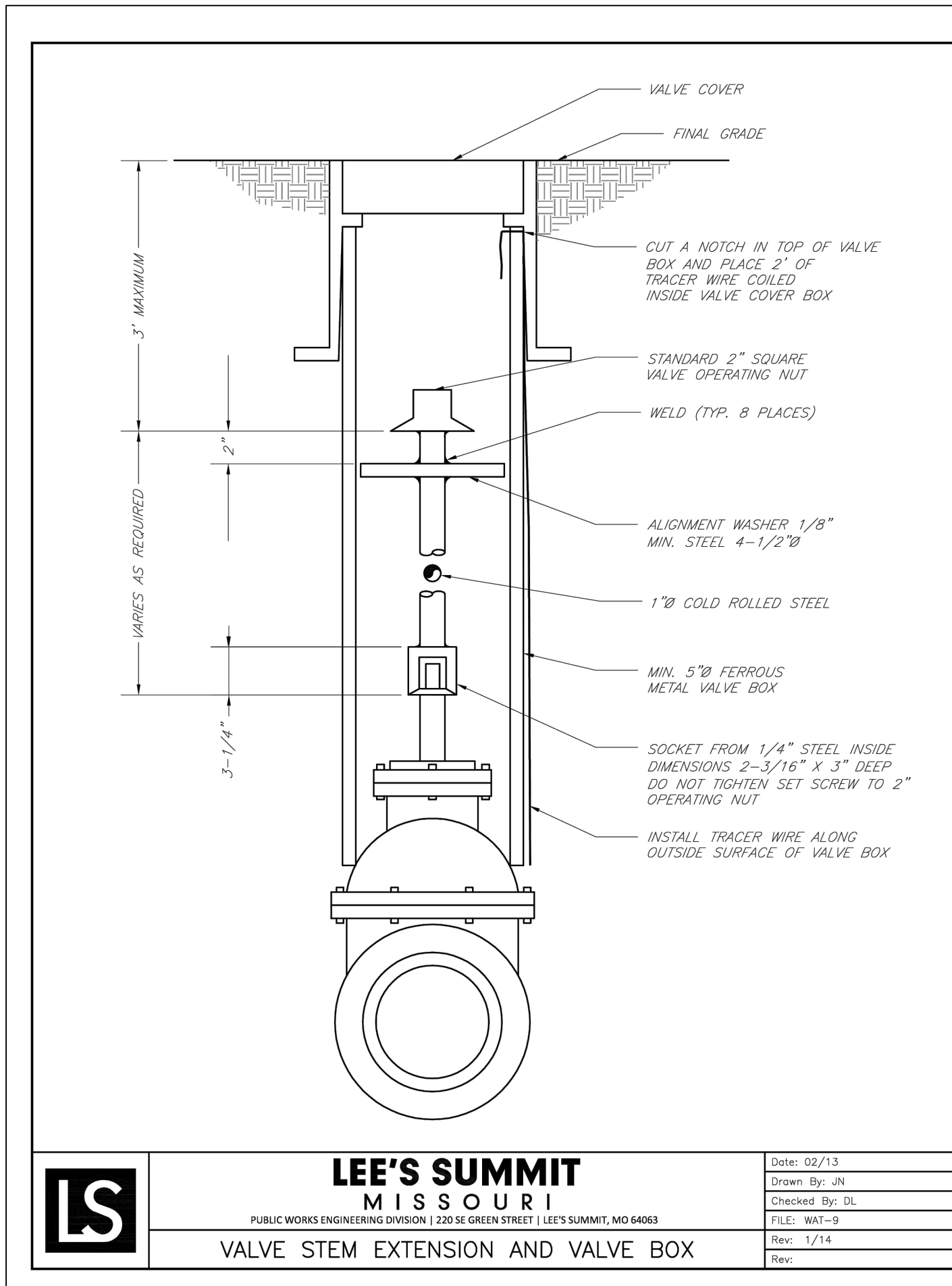
Lee's Summit

05/23/

NOTES:

1. WHEN RETAINER GLANDS ARE USED IN LIEU OF MECHANICAL JOINT (MJ) RESTRAINT FITTINGS, HORIZONTAL THRUST BLOCKS ARE REQUIRED.
2. GATE VALVE MAY BE BOLTED DIRECTLY TO MJ RESTRAINT TEE.
3. SEE APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR FIRE HYDRANT, VALVES, VALVE LID, AND COVER.
4. BOTTOM HYDRANT FLANGE SHALL BE 2" TO 6" ABOVE FINISHED GRADE.
5. FOR STREETS WITHOUT CURBS FIRE HYDRANTS SHALL BE PLACED WITHIN 1 FOOT OF THE R/W LINE, BUT NOT MORE THAN 10' FROM EDGE OF PAVEMENT. FIRE HYDRANT SHALL NOT BE PLACED IN BOTTOM OF DITCH.
6. HYDRANT SHALL BE ROTATED AS DIRECTED BY INSPECTOR.

| | | |
|---|--|----------------|
| <div style="font-size: 4em; font-weight: bold; letter-spacing: 0.5em;">LS</div> | LEE'S SUMMIT | Date: 02/13 |
| | MISSOURI | Drawn By: JN |
| | PUBLIC WORKS ENGINEERING DIVISION 230 SE GREEN STREET LEE'S SUMMIT, MO 64603 | Checked By: DL |
| | HYDRANT WITH 90 DEGREE BEND | Title: MAT-6 |
| | | Rev: 1/14 |
| | | Rev: |



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 12 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

RELEASED FOR CONSTRUCTION
As Noted on Plan Review

Development Services Department
Lee's Summit, Missouri

05/23/2024

| <div style="text-align: center;"> <h1>olslon</h1> <p>Olsson - Civil Engineering Missouri Certificate of Authority #001592 1301 Burlington Street North Kansas City, MO 64116 TEL 816.361.1177 www.olslson.com</p> </div> | | | | |
|---|----|--|-----------------|--|
| | | | 5/7/2024 | |
| | BY | REVISIONS DESCRIPTION | DATE | REV. NO. |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| <div style="text-align: center;"> DETAIL SHEET WATER MAIN EXTENSION PLANS EAGLE CREEK VILLAS FIRST PLAT </div> | | <div style="text-align: center;"> LEE'S SUMMIT, MISSOURI </div> | | <div style="text-align: center;"> 2023 </div> |
| drawn by: _____ CW checked by: _____ SS approved by: _____ JS QA/QC by: _____ JS project no.: _____ A20-2467 drawing no.: <u>C_DTL01</u> A202467 date: <u>02/23/2024</u> | | | | |
| SHEET C313 | | | | |