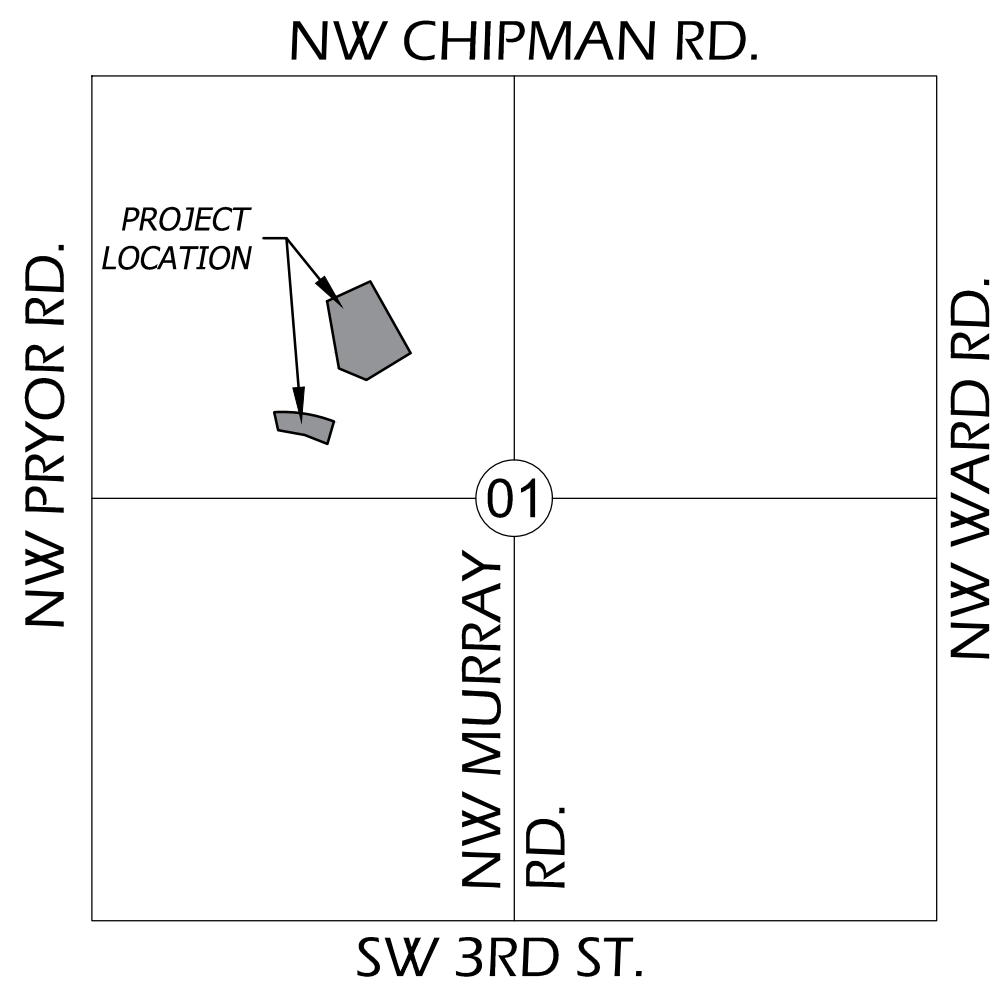


Mar 29, 2022 - 2:30pm Plotted By: Eric Byrd V:\028800--John Knox Village Ph I\04-DWG\Eng\Sheet\PIP\028800--SHTS--COVER.dwg Layout: Cover Sheet



VICINITY MAP
SEC 01-- TWP 47N-- RNG 32W
NOT TO SCALE

UTILITY CONTACTS CITY OF LEE'S SUMMIT, MO

PLANNING AND DEVELOPMENT
CITY HALL
JOSH JOHNSON
220 SE GREEN STREET
LEE'S SUMMIT, MO 64063
TEL: (816) 969-1600
FAX: (816) 969-1619

PUBLIC WORKS
CITY HALL
220 SE GREEN STREET
LEE'S SUMMIT, MO 64063
TEL: (816) 969-1800
FAX: (816) 969-1809

LEE'S SUMMIT FIRE DEPARTMENT
207 SE DOUGLAS ROAD
LEE'S SUMMIT, MO 64063
TEL: (816) 969-1300

TELEPHONE COMPANY
AT&T
TEL: (800) 464-7928

CODES ADMINISTRATION
CITY HALL
220 SE GREEN STREET
LEE'S SUMMIT, MO 64063
TEL: (816) 969-1200
FAX: (816) 969-1201

WATER UTILITIES
CITY HALL
1200 SE HAMBLEN RD
LEE'S SUMMIT, MO 64063
TEL: (816) 969-1900
FAX: (816) 969-1935

ELECTRIC COMPANY
EVERGY
TEL: (888) 471-5275

GAS COMPANY
MISSOURI GAS ENERGY
TEL: (816) 756-5252

All existing utility locations shown are approximate only and are not guaranteed to be accurate or all inclusive. Contractor shall be responsible for contacting all utility companies and verifying the actual field locations of all utilities prior to any construction activity. Contractor shall keep all utility locations current. Utilities damaged through the negligence of the contractor to obtain the proper field locations shall be the responsibility of the contractor to repair or replace at their expense and at the direction of the utility company. The contractor shall pothole and survey all utility crossings prior to construction of any portion of storm sewer, sanitary sewer laterals, underdrains, conduit and any other subsurface element of the project. The survey information shall be forwarded to the project engineer for review. The contractor shall not begin construction on any subsurface element on the project without the approval of the project engineer. Utility coordination, potholing/surveying shall be subsidiary to other bid items.

Dig Safely. 811
Missouri One-Call
1-800-344-7483

CITY OF LEE'S SUMMIT, MISSOURI

JOHN KNOX VILLAGE MEADOWS

PUBLIC WATER MAIN IMPROVEMENTS

CITY PROJECT NO. PL2021150



VICINITY MAP
Not to Scale

BENCHMARKS / CONTROL POINTS (DATUM: NAVD88)

BM/CP #5002
SET CUT "+" ± 6" OF CONCRETE SIDEWALK IN EAST CURB
RETURN, NORTH SIDE OF NORTHWEST O'BRIEN ROAD
NORTH = 1002910.185
EAST = 2814693.406
ELEVATION = 963.93

BM/CP #13314
SET CUT "+" IN CONCRETE SIDEWALK, SOUTHWEST
CORNER OF NORTHWEST MOORE STREET &
NORTHWEST HOPE LANE (NOT SHOWN HEREON)
NORTH = 1003090.460
EAST = 2815069.800
ELEVATION = 974.62

BM/CP #13315
SET CUT "+" IN CONCRETE SIDEWALK, NORTHEAST
CORNER OF NORTHWEST O'BRIEN ROAD &
NORTHWEST MOORE STREET (NOT SHOWN HEREON)
NORTH = 1002830.710
EAST = 2814916.010
ELEVATION = 974.65

**RECORD
DRAWING**
DATA OBTAINED BY:
**PHOENIX
ENGINEERING &
SURVEYING, LLC**
DATE: 03/29/2022

Accepted
Record Drawings

These plans have been reviewed for
accuracy and are accepted for basic
conformance to the approved
construction drawings.

Sheet List Table	
Sheet Number	Sheet Title
1	COVER SHEET
2	OVERALL WATER MAIN PLAN
3	WATER MAIN PLAN & PROFILE
4	EROSION CONTROL PLAN
5	WATER MAIN DETAILS
6	WATER MAIN DETAILS 2



Prepared For:
JOHN KNOX VILLAGE
1001 NW CHIPMAN RD.
LEE'S SUMMIT, MO 64081
816-251-8000

PUBLIC WATER MAIN IMPROVEMENTS
JOHN KNOX VILLAGE MEADOWS
LEE'S SUMMIT, MO 64081
COVER SHEET

PREPARED & SUBMITTED BY:

BHC RHODES
OVERLAND PARK, KANSAS

Eric Byrd, P.E.

03/29/2022
DATE

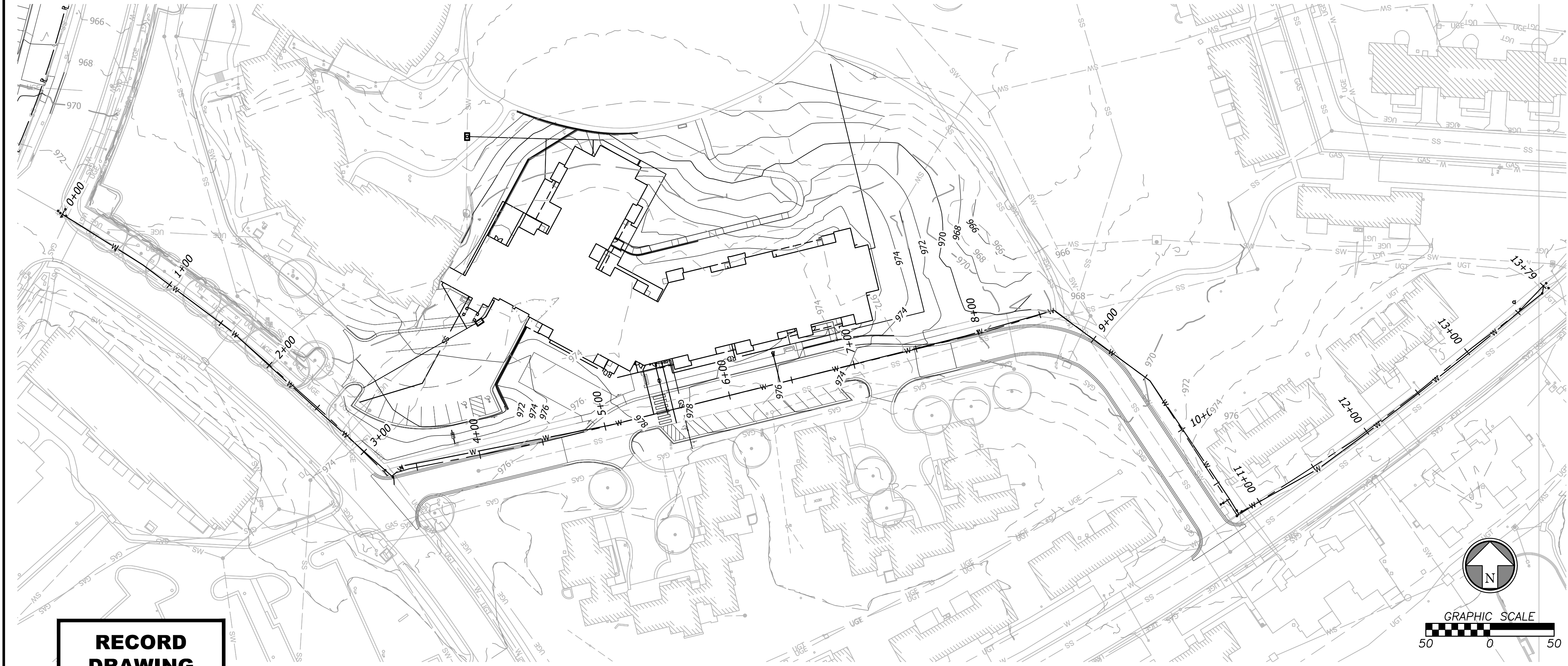
APPROVED:

BY THE CITY OF LEE'S SUMMIT, MISSOURI.

CITY ENGINEER

DATE

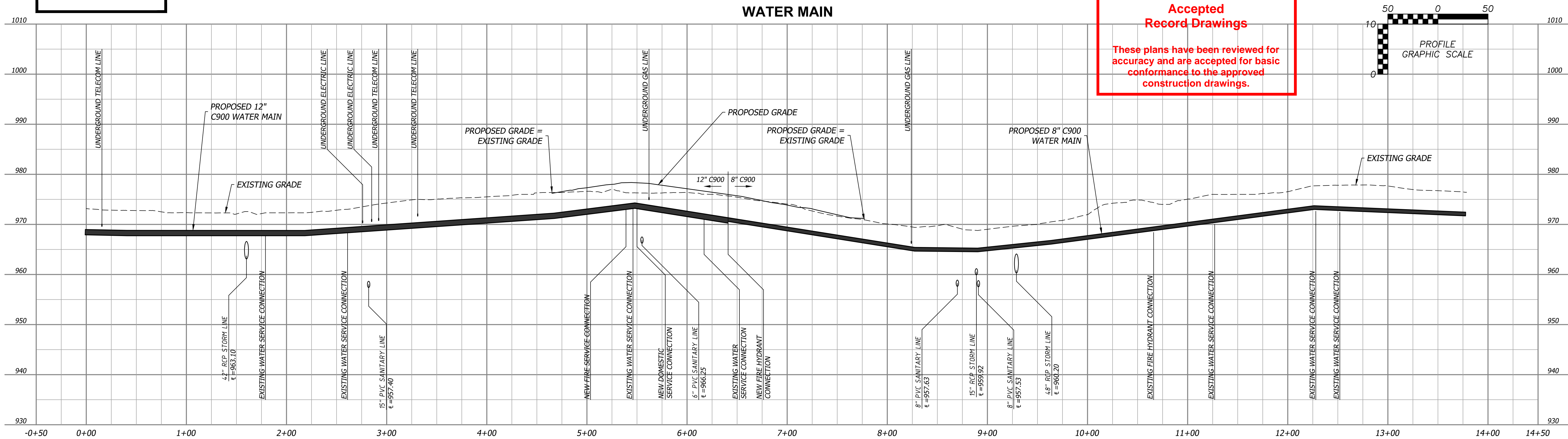
Design: SKT Drawn: SKT
Checked: ERB
Issue Date: 09/24/2021
Project Number: 028800



**RECORD
DRAWING**
DATA OBTAINED BY:
**PHOENIX
ENGINEERING &
SURVEYING, LLC**
DATE: 03/29/2022

PHASING NOTES

1. IN ORDER TO LIMIT THE AMOUNT OF TIME WATER USERS ARE WITHOUT WATER, THE CONSTRUCTION OF THIS WATER MAIN SHALL BE PHASED AS FOLLOWS:
 - INSTALL STRADDLE BLOCK ON EXISTING WATER MAIN AT STATION 1+60.
 - CUT AND CAP EXISTING WATER MAIN AT STATION 1+60.
 - REMOVE THE FIRST 150' OF EXISTING WATER MAIN DURING THE INSTALLATION OF NEW 12" MAIN. THE REMAINDER OF THE WATER MAIN SHALL BE ABANDONED IN PLACE.
 - START CONSTRUCTION OF NEW 12" WATER MAIN AT STATION 0+00, PER WATER MAIN CONNECTION DETAIL 4 ON SHEET 2.
 - INSTALL THE NEW 12" WATER MAIN FROM STATION 0+00 TO STATION 6+40. INSTALL THE NEW 8" WATER MAIN FROM STATION 6+40 TO STATION 13+75.
 - TEST AND FLUSH INSTALLED 8" AND 12" WATER MAIN.
 - CONNECT TO EXISTING WATER MAIN PER WATER MAIN CONNECTION DETAIL 1 ON SHEET 2.
 - USING VARIOUS VALVE CLOSING AND OPENING PATTERNS, TRANSFER SERVICE TO ALL CUSTOMERS WITH A MAXIMUM SHUTDOWN TIME OF 8 HOURS.
 - UPON COMPLETION OF ALL SERVICE TRANSFERS, INSTALL CONNECTIONS SHOWN IN WATER MAIN CONNECTION DETAILS 2 AND 3 (ON SHEET 2).
 - ABANDON EXISTING LINE FROM STATION 1+50 TO 13+75. WATER MAIN TO BE ABANDONED SHALL BE PLUGGED AT EACH END. A SECTION OF PIPE 10 FEET LONG SHALL BE CUT OUT OF THE EXISTING LINE AND WATER SHALL BE DRAINED OUT TO THE FULLEST EXTENT POSSIBLE. THE ENDS SHALL BE SEALED WITH A 1-FOOT THICK PLUG OF NON-SHRINK GROUT SEALED WITH A PORTLAND CEMENT GROUT.
2. CONTRACTOR TO PROVIDE SUFFICIENT NOTICE TO WATER USERS PRIOR TO SHUT DOWN OF THEIR SERVICE.
3. CONTRACTOR TO NOTIFY DEVELOPMENT SERVICES INSPECTIONS PRIOR TO PERFORMING ANY SHUT-DOWNS.
4. THE CITY OF LEE'S SUMMIT IS THE ONLY PARTY ALLOWED TO TURN VALVES ON OR OFF.
5. DOOR HANGERS MUST BE PLACED ON AFFECTED CUSTOMERS AT LEAST 24 HOURS PRIOR TO THE SCHEDULED DISRUPTION.
6. MINIMUM NOTICE OF 48 HOURS SHALL BE GIVEN TO THE CITY OF LEE'S SUMMIT PRIOR TO ANY SHUTDOWN.
7. ONCE WORK BEGINS ON A GIVEN PHASE, ALL WORK WITHIN THAT PHASE MUST BE CONTINUOUS UNTIL THE COMPLETION OF THAT PHASE.
8. THE MAXIMUM AMOUNT OF TIME FOR ANY WATER CUSTOMER TO BE WITHOUT SERVICE IS 8 HOURS.



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JOHN KNOX VILLAGE
1001 NW CHIPMAN RD.
LEE'S SUMMIT, MO 64081
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PUBLIC WATER MAIN IMPROVEMENTS
JOHN KNOX VILLAGE MEADOWS
LEE'S SUMMIT, MO 64081
WATER MAIN PLAN & PROFILE


Design: SKT Drawn: SKT
Checked: ERB
Issue Date: 09/24/2021
Project Number: 028800

Rev.	Date	Description	By	App.
03/29/22		Record Drawing		





GRAPHIC SCALE



A horizontal scale bar with a black and white checkered pattern on the left half and a solid black pattern on the right half. The numbers 60, 0, and 60 are positioned below the bar.

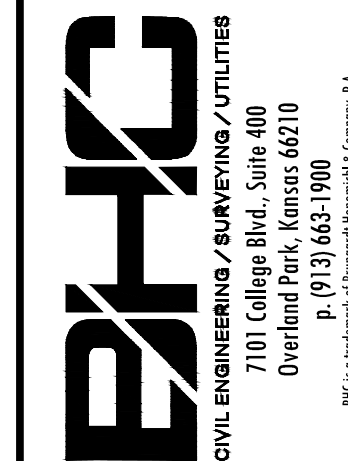
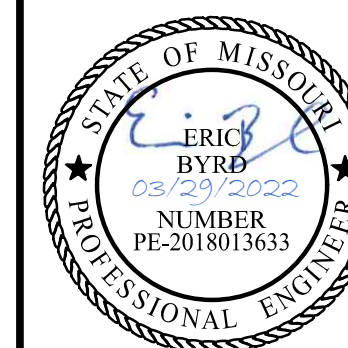
01 EROSION CONTROL WATTLE / BIODEGRADABLE LOG (TYP.) TO BE PLACED AT BACK OF CURB
02 CONTRACTOR TO RESTORE AREAS DISTURBED BY WATER MAIN CONSTRUCTION TO
PREVIOUS CONDITION. GRASSY AREAS DISTURBED TO BE RESTORED WITH SOD.

  WATER MAIN DISTURBED AREA LIMITS (0.07 AC)
  PRIVATE PROJECT DISTURBED AREA LIMITS (0.07 AC)
 DISTURBED AREA TO BE RESTORED
 STRAW WATTLE / BIODEGRADABLE LOG

- SEE EROSION CONTROL DETAIL SHEET FOR THE FOLLOWING

ESC-04 APWA WATTLE / BIODEGRADABLE LOG DETAIL

DATE: 03/29/2022



Prepared For: **JOHN KNOX VILLAGE**
1001 NW CHIPMAN RD.
LEE'S SUMMIT, MO 64081
816-251-8000

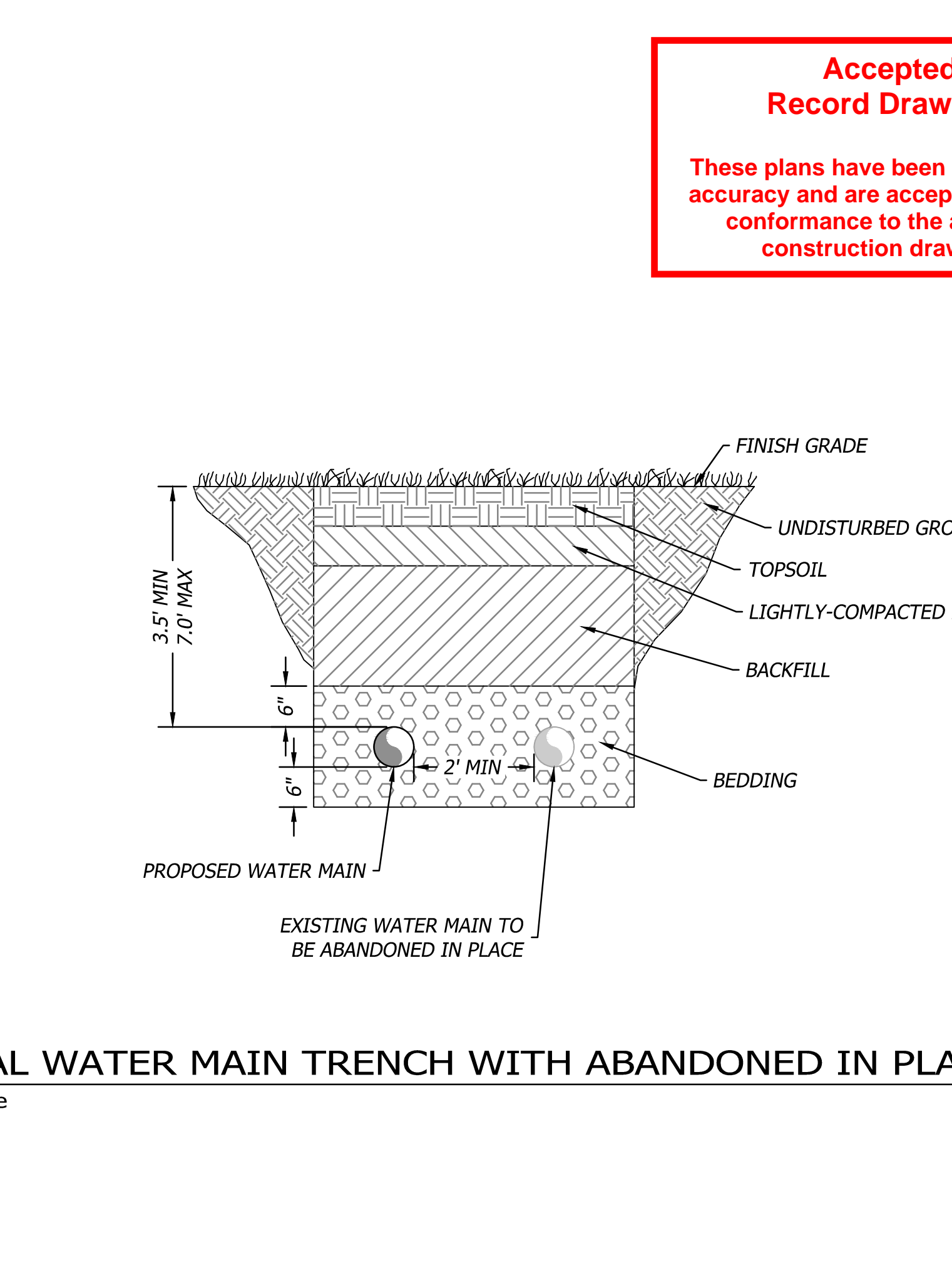
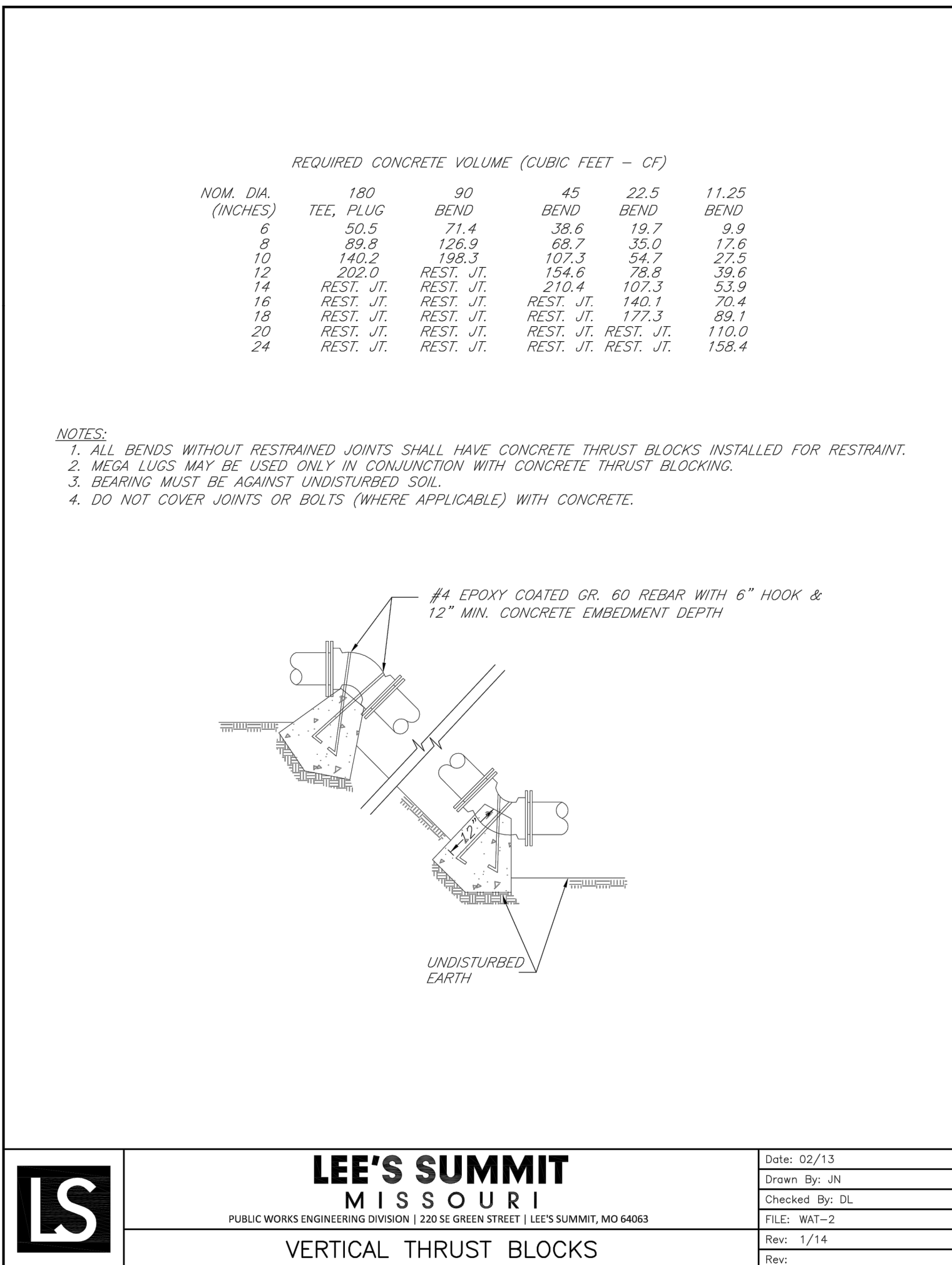
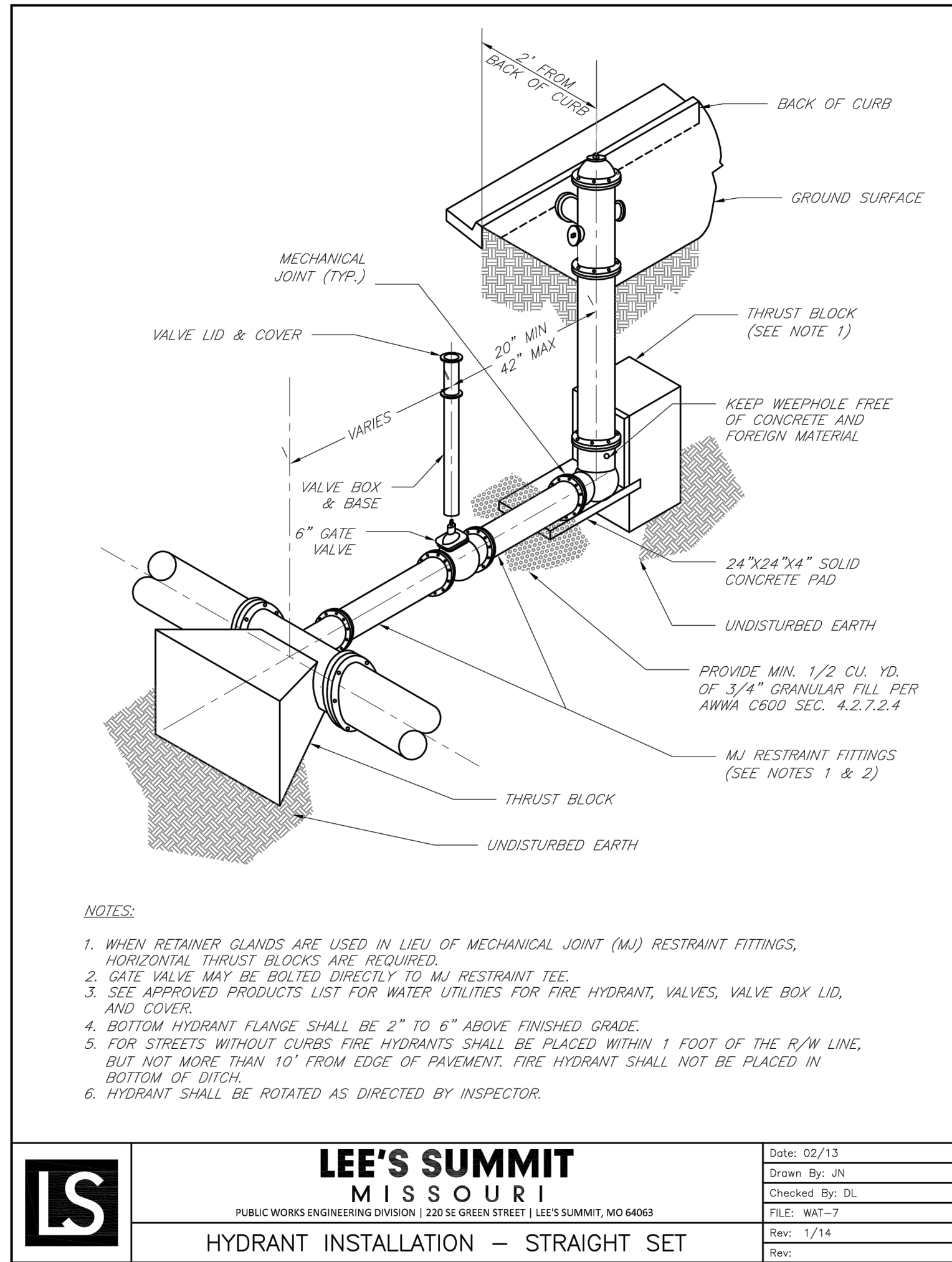
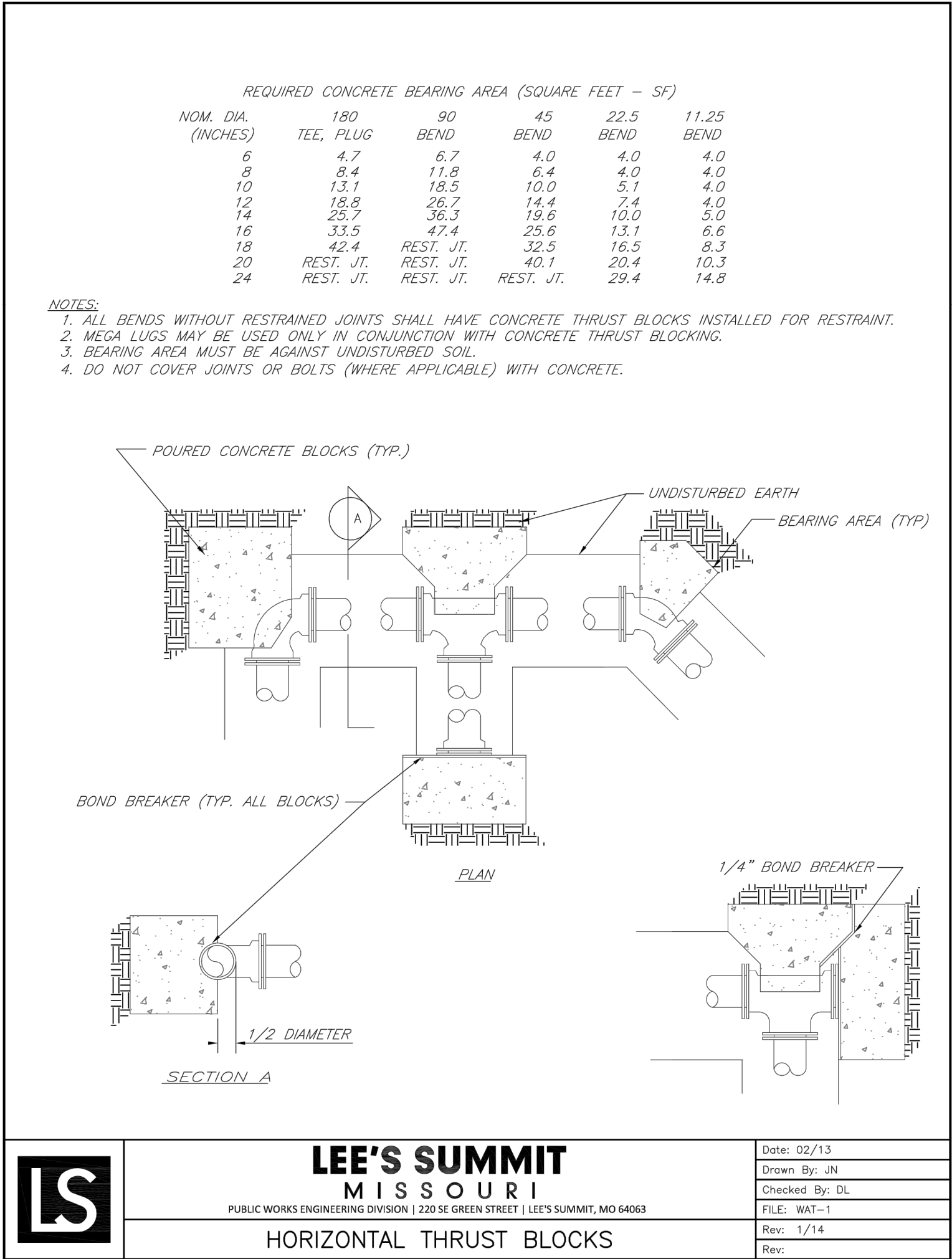
**PUBLIC WATER MAIN IMPROVEMENTS
JOHN KNOX VILLAGE MEADOWS
LEE'S SUMMIT, MO 64081**

EROSION CONTROL PLAN

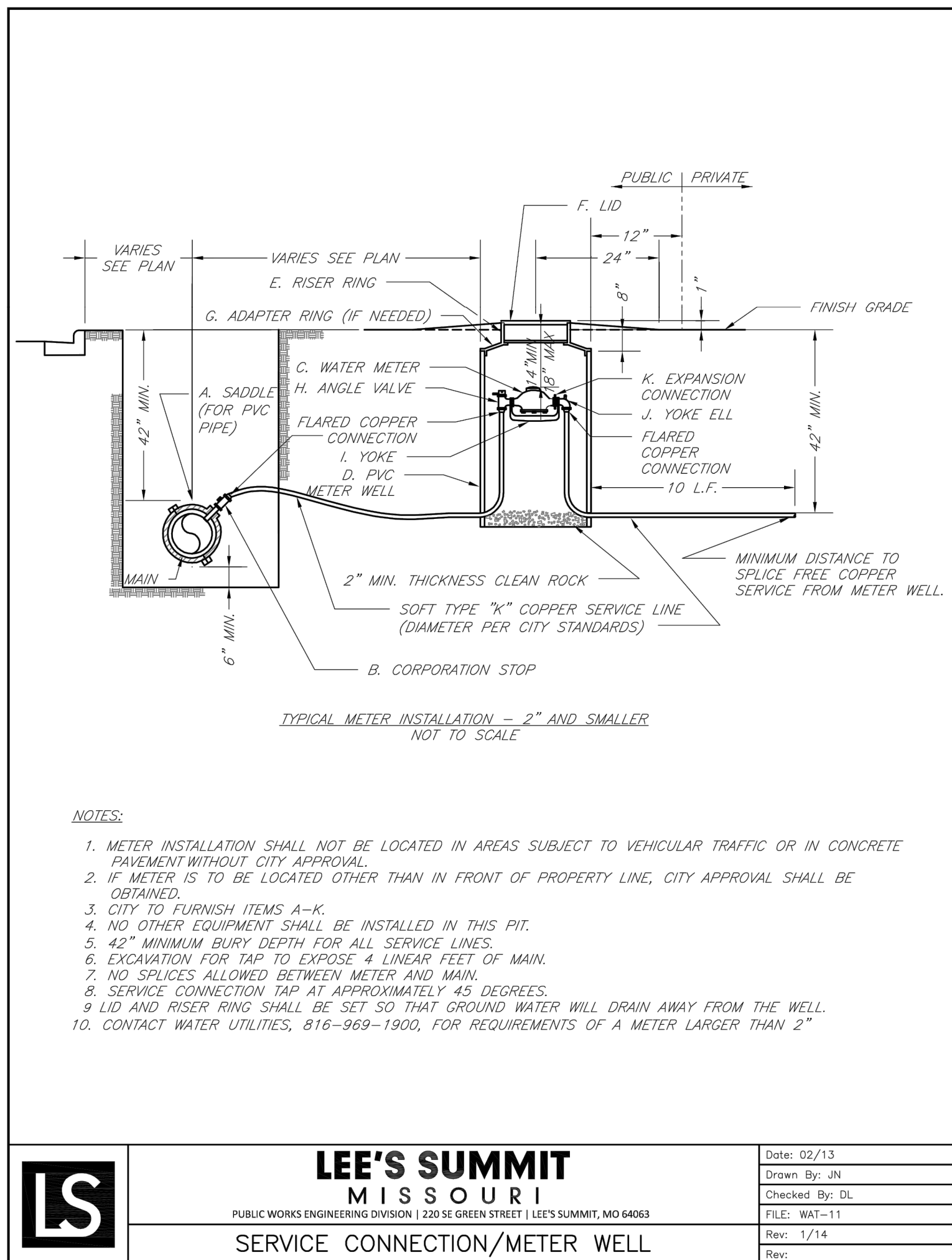
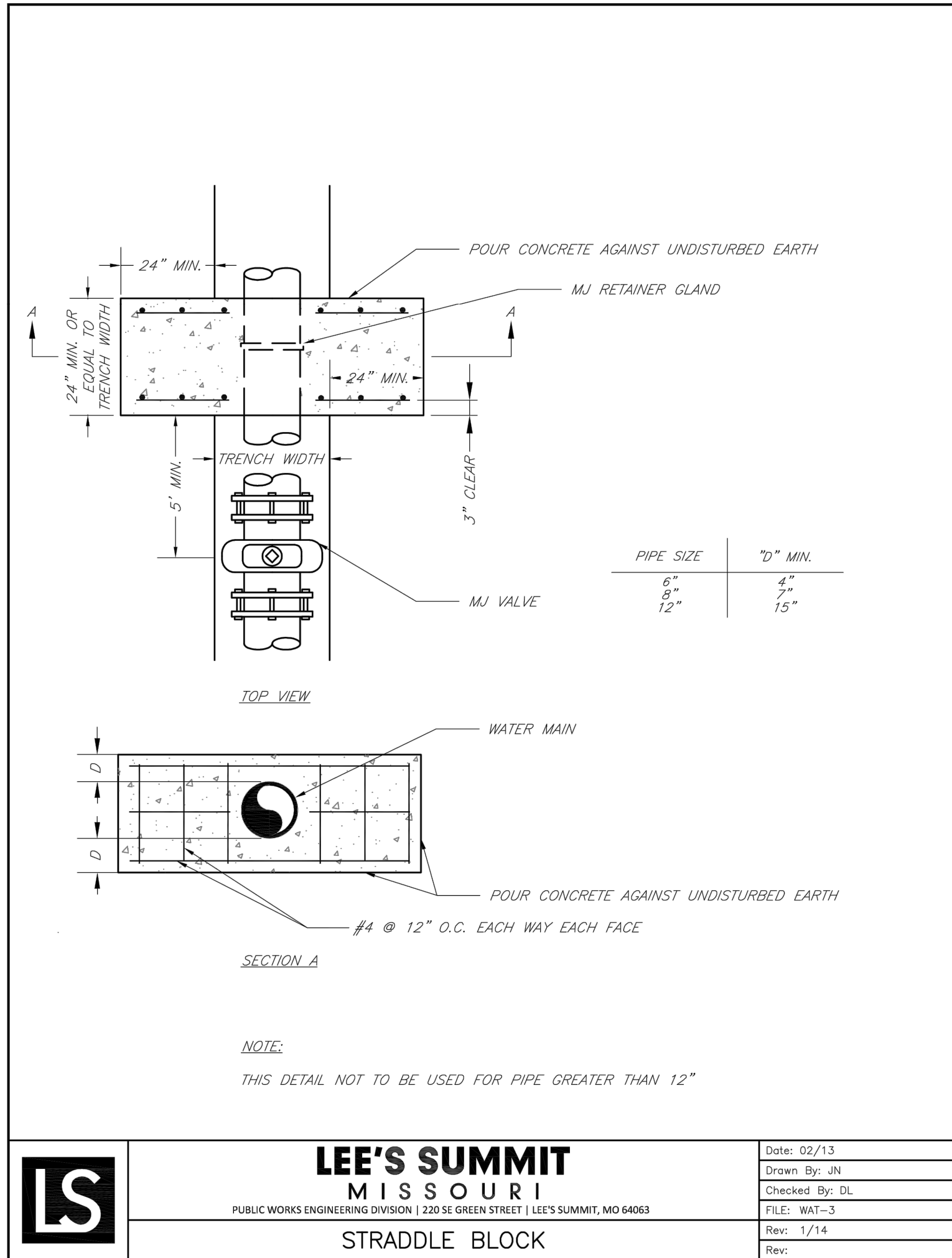
Design: SKT	Drawn: SKT
Checked:	ERB
Issue Date:	09/24/2021
Project Number:	028800

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Mar 29, 2022 _ 3:50pm Plotted By: Eric Byrd V:\028800-John Knox Village Ph 1\04-DWG-Eng\Sheet\PIPE-028800-SHTS-WMAIN.dwg Layout: DETAILS



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DATE: 03/29/2022



Rev.	Date	Description	By	App.
03/29/22		Record Drawing		

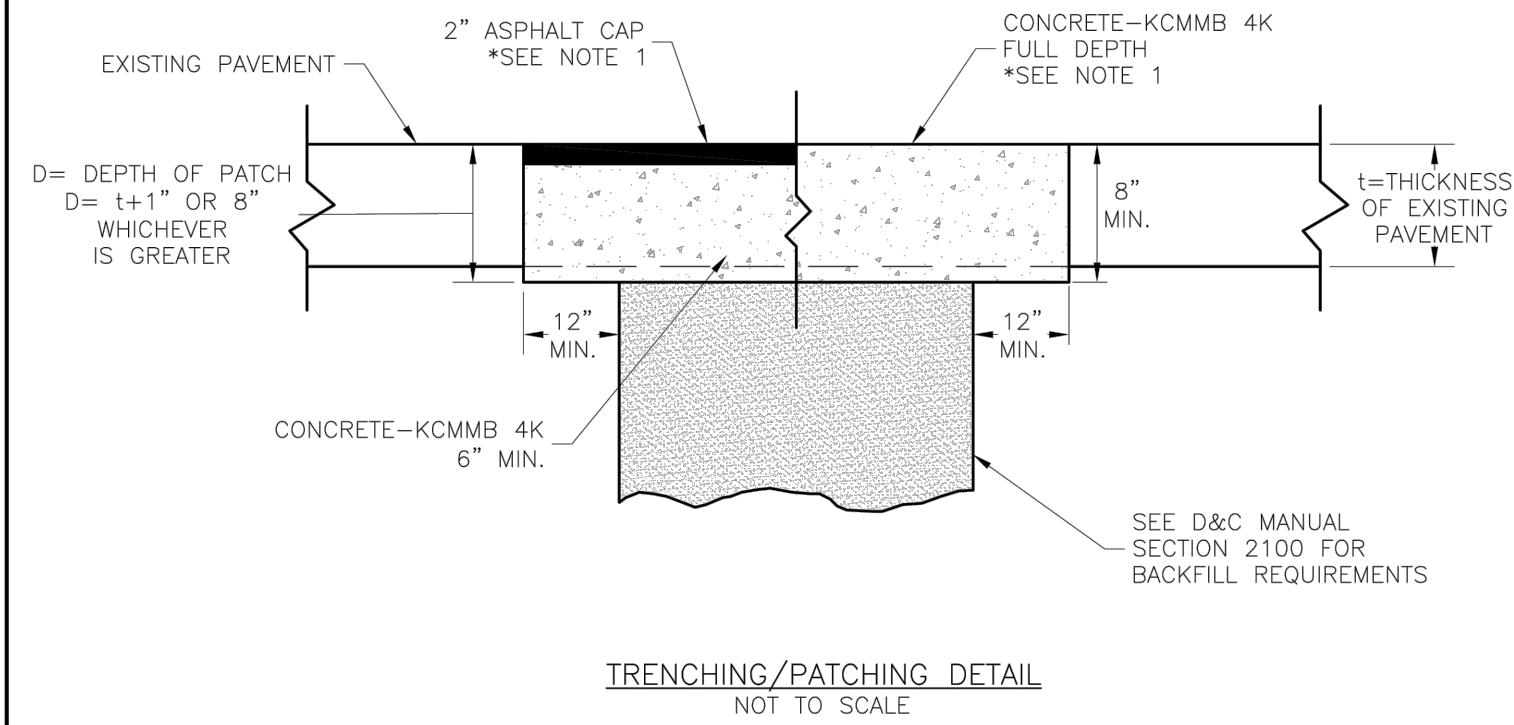
Prepared For:
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1001 NW CHIPMAN RD.
LEE'S SUMMIT, MO 64081
816-251-8000

PUBLIC WATER MAIN IMPROVEMENTS
JOHN KNOX VILLAGE MEADOWS
LEE'S SUMMIT, MO 64081
WATER MAIN DETAILS

Design: SKT	Drawn: SKT
Checked: ERB	
Issue Date: 09/24/2021	
Project Number: 028800	

5

Mar 29, 2022 3:15 pm Plotted By: Eric Byrd V:\028800-John Knox Village Ph \1\04-DWG\Eng\Sheet\PIE\028800-SHTS-WMAIN.dwg Layout: DETAILS (2)



NOTE:
1. ASPHALT CAP OR FULL DEPTH CONCRETE SHALL BE DETERMINED BY CITY INSPECTOR.

LS

LEE'S SUMMIT

MISSOURI

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

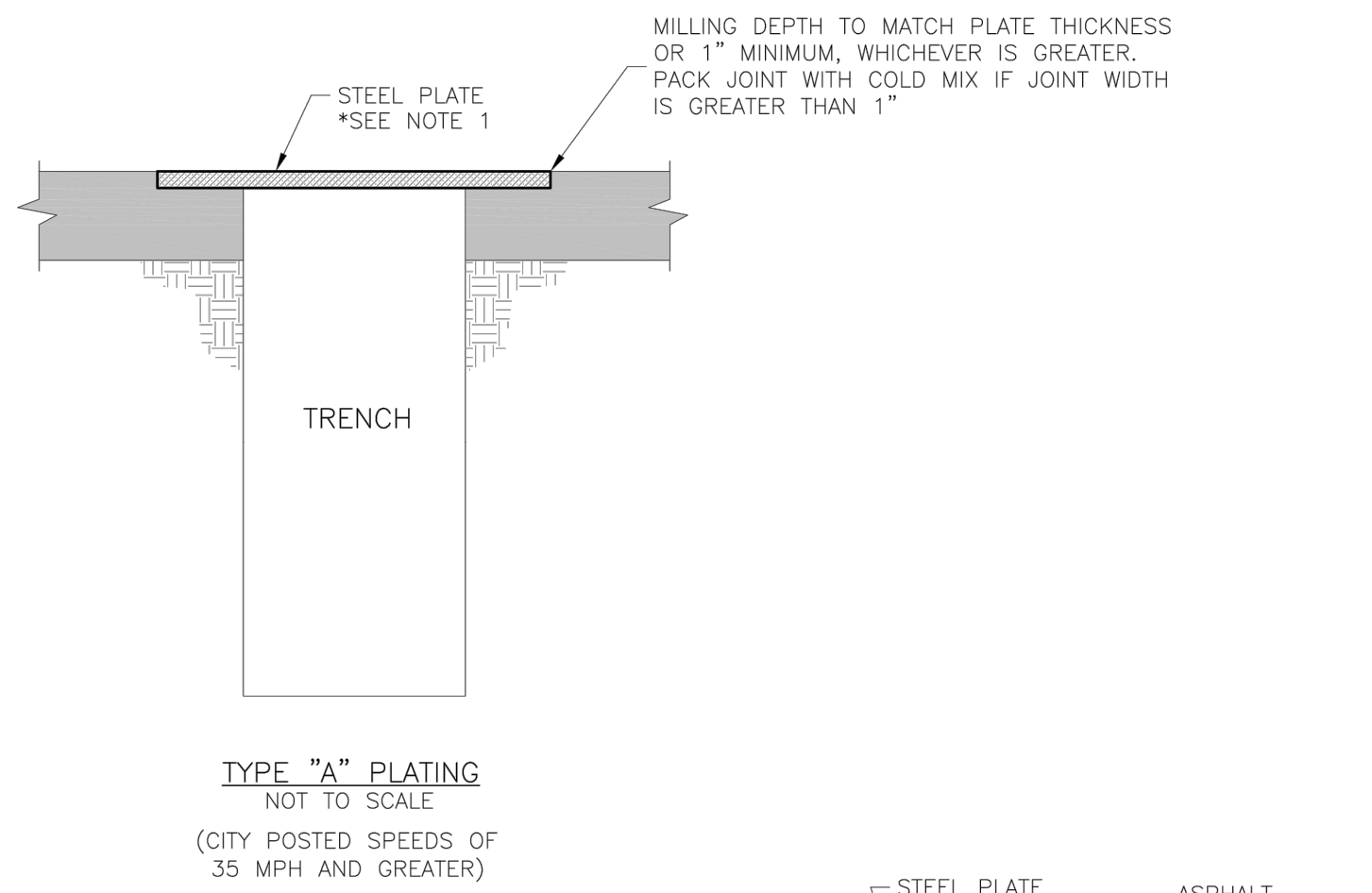
TRENCHING/PATCHING ROADWAYS DETAIL

Date: 04/17

Drawn By: MJF

Checked By: DL

GEN-5



(CITY POSTED SPEEDS OF 35 MPH AND GREATER)

GENERAL NOTES:

1. THE CONTRACTOR SHALL PROVIDE ADEQUATE OVERLAP OF PLATE ON ASPHALT TO ASSURE NO SLIPPAGE OF PLATE AND NO COLLAPSING OF TRENCH.
2. ALL PLATES SHALL BE ANCHORED SO PLATES DO NOT MOVE OR SHIFT UNDER TRAFFIC.

LS

LEE'S SUMMIT

MISSOURI

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

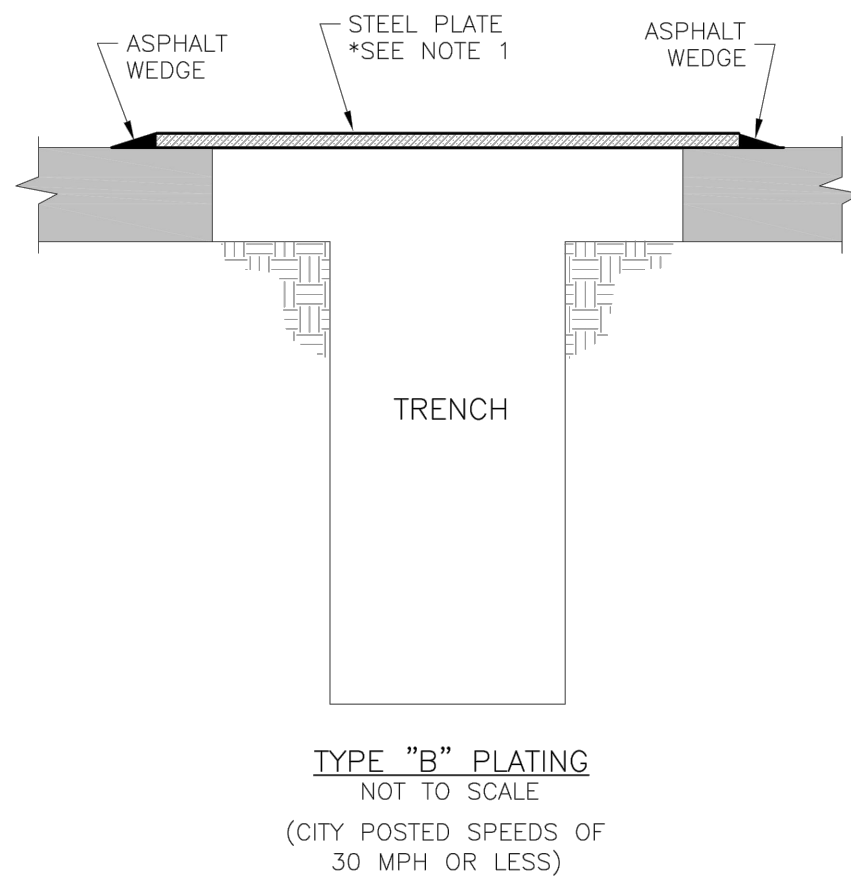
TRENCHING PLATE DETAIL

Date: 04/17

Drawn By: MJF

Checked By: DL

GEN-6



(CITY POSTED SPEEDS OF 30 MPH OR LESS)

**RECORD
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DATA OBTAINED BY:
**PHOENIX
ENGINEERING &
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DATE: 03/29/2022

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JOHN KNOX VILLAGE
1001 NW CHIPMAN RD.
LEE'S SUMMIT, MO 64081
816-251-8000

PUBLIC WATER MAIN IMPROVEMENTS
JOHN KNOX VILLAGE MEADOWS
LEE'S SUMMIT, MO 64081
WATER MAIN DETAILS 2

Design: SKT Drawn: SKT
Checked: ERB
Issue Date: 09/24/2021
Project Number: 028800