



I-470 LOT 13A LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

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REVISIONS	
△	7-24-19
△	8-7-19
△	8-21-19
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SHEET NO.

C601

JOB NO.
E18-337

LEE'S SUMMIT MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 228 SE GREEN STREET | LEE'S SUMMIT, MO 64063
TRENCHING PLATE DETAIL
Date: 02/13
Drawn By: JH
Checked By: DL
File: WAT-1
Rev: 1/14

REQUIRED CONCRETE BEARING AREA (SQUARE FEET - SF)					
NOM. DIA. (INCHES)	TEE, PLUG	90	45	22.5	11.25
6	4.7	8.7	4.0	4.0	4.0
8	6.4	11.8	6.4	4.0	4.0
10	13.1	18.5	10.0	5.1	4.0
12	18.8	26.5	14.4	7.6	4.0
14	25.7	36.5	19.6	10.0	5.0
16	33.5	47.4	25.6	13.1	6.6
18	42.4	59.1	32.5	16.5	8.3
20	52.1	71.7	40.1	20.4	10.3
24	73.5	100.0	54.0	29.4	14.8

NOTES:
1. ALL BENDS WITHOUT RESTRAINED JOINTS SHALL HAVE CONCRETE THRUST BLOCKS INSTALLED FOR RESTRAINT.
2. MEGA LUGS MAY BE USED ONLY IN CONJUNCTION WITH CONCRETE THRUST BLOCKING.
3. BEARING AREA MUST BE AGAINST UNDISTURBED SOIL.
4. DO NOT COVER JOINTS OR BOLTS (WHERE APPLICABLE) WITH CONCRETE.

LEE'S SUMMIT MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 228 SE GREEN STREET | LEE'S SUMMIT, MO 64063
HORIZONTAL THRUST BLOCKS
Date: 02/13
Drawn By: JH
Checked By: DL
File: WAT-1
Rev: 1/14

LEE'S SUMMIT MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 228 SE GREEN STREET | LEE'S SUMMIT, MO 64063
WATER CASING PIPE DETAIL
Date: 02/13
Drawn By: JH
Checked By: DL
File: WAT-5
Rev: 1/14

LEE'S SUMMIT MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 228 SE GREEN STREET | LEE'S SUMMIT, MO 64063
HYDRANT INSTALLATION - STRAIGHT SET
Date: 02/13
Drawn By: JH
Checked By: DL
File: WAT-7
Rev: 1/14

LEE'S SUMMIT MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 228 SE GREEN STREET | LEE'S SUMMIT, MO 64063
HYDRANT WITH 90 DEGREE BEND
Date: 02/13
Drawn By: JH
Checked By: DL
File: WAT-8
Rev: 1/14

LEE'S SUMMIT MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 228 SE GREEN STREET | LEE'S SUMMIT, MO 64063
TRENCHING/PATCHING ROADWAYS DETAIL
Date: 02/13
Drawn By: JH
Checked By: DL
File: WAT-11
Rev: 1/14

LEE'S SUMMIT MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 228 SE GREEN STREET | LEE'S SUMMIT, MO 64063
SERVICE CONNECTION/METER WELL
Date: 02/13
Drawn By: JH
Checked By: DL
File: WAT-11
Rev: 1/14

LEE'S SUMMIT MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 228 SE GREEN STREET | LEE'S SUMMIT, MO 64063
VALVE STEM EXTENSION AND VALVE BOX
Date: 02/13
Drawn By: JH
Checked By: DL
File: WAT-9
Rev: 1/14

PUBLIC WATER MAIN DETAIL SHEET