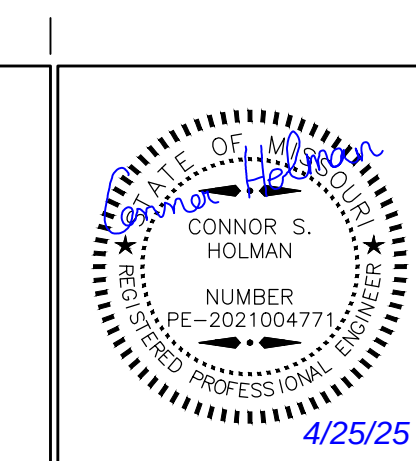
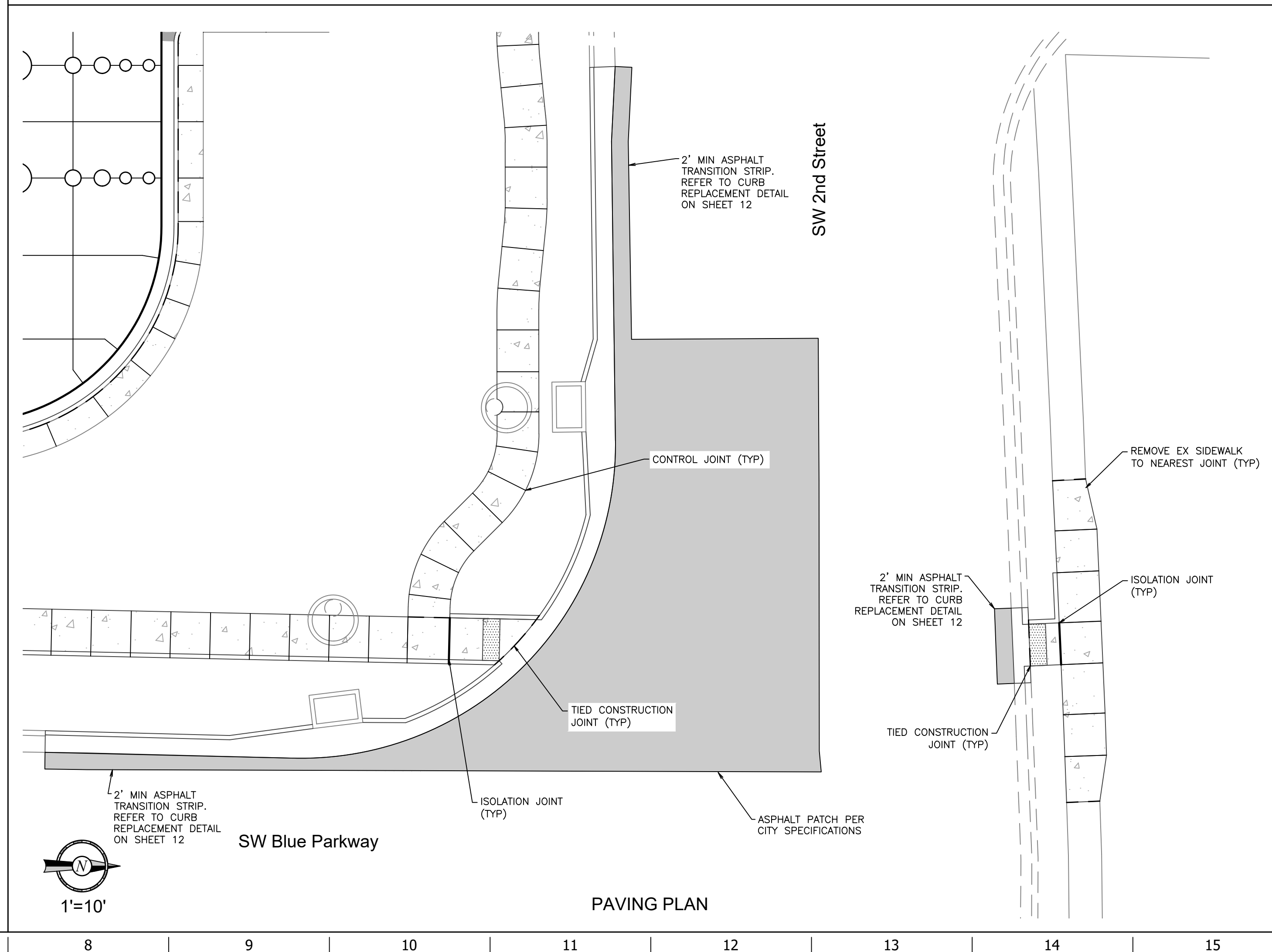
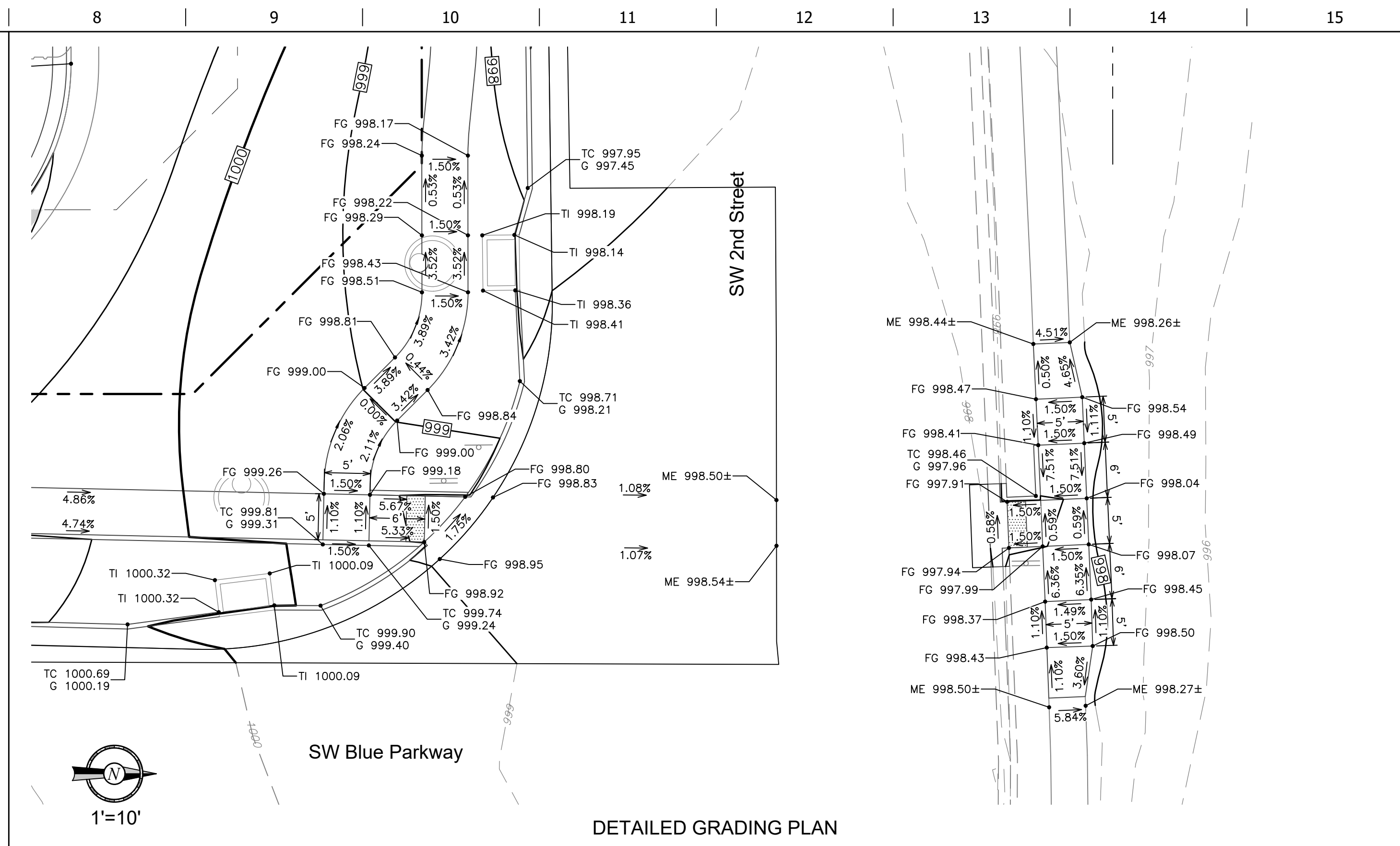
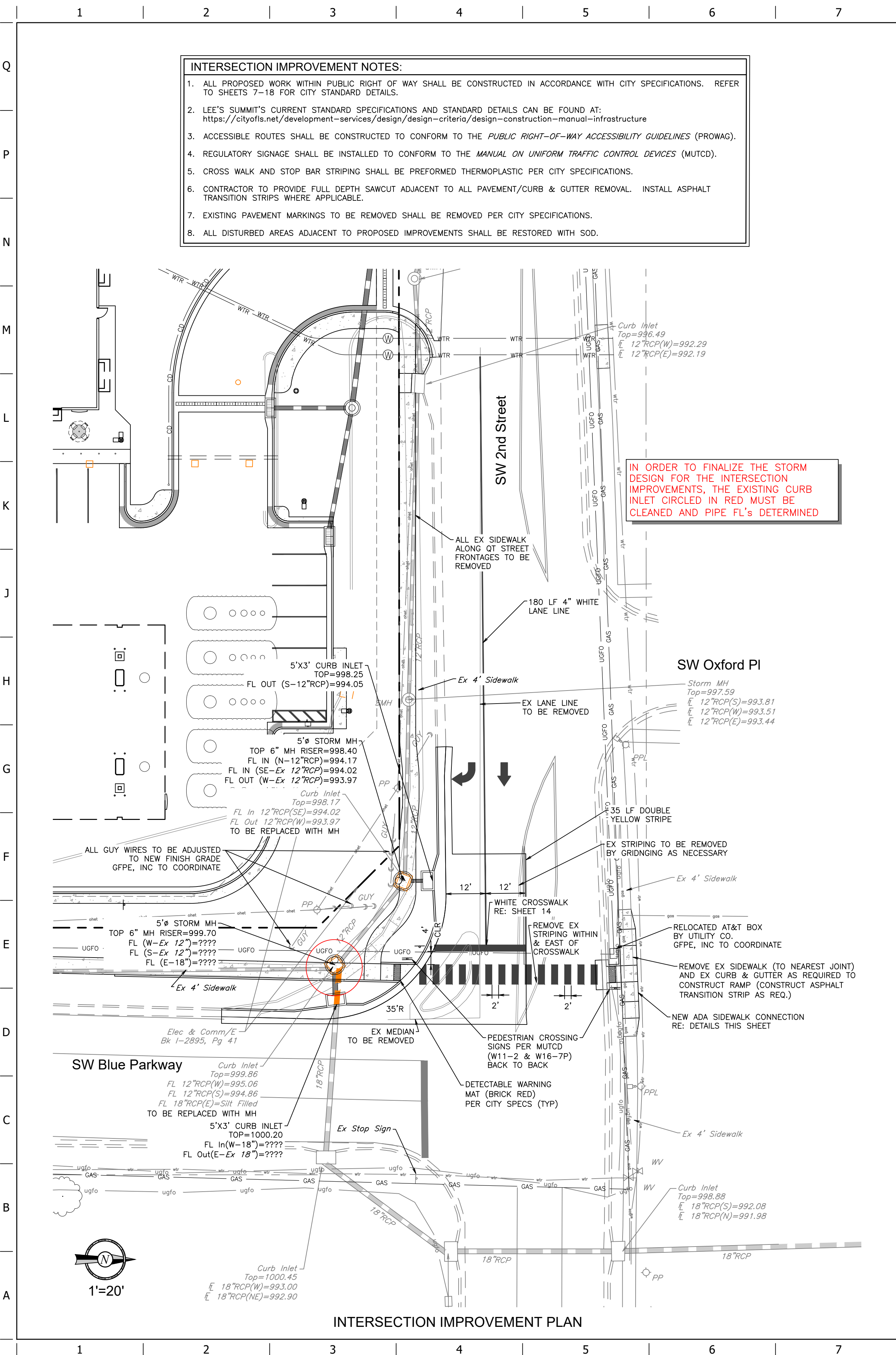




PROJECT NO.:02-0183

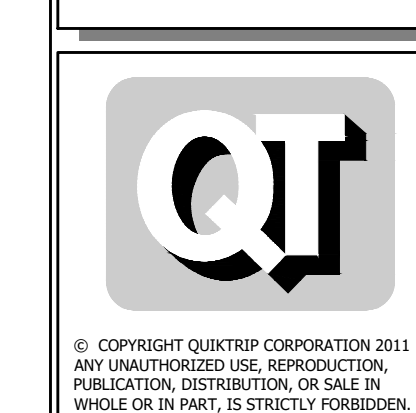
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Midwest Design Group
Kansas City

PO Box 860015
Shawnee, KS 66286-0015
P 913.248.9385

PUBLIC IMPROVEMENT PLANS
IN ASSOCIATION WITH
QuikTrip No. 0183R

1001 SW BLUE PARKWAY
LEE'S SUMMIT, JACKSON CO., MO 64063



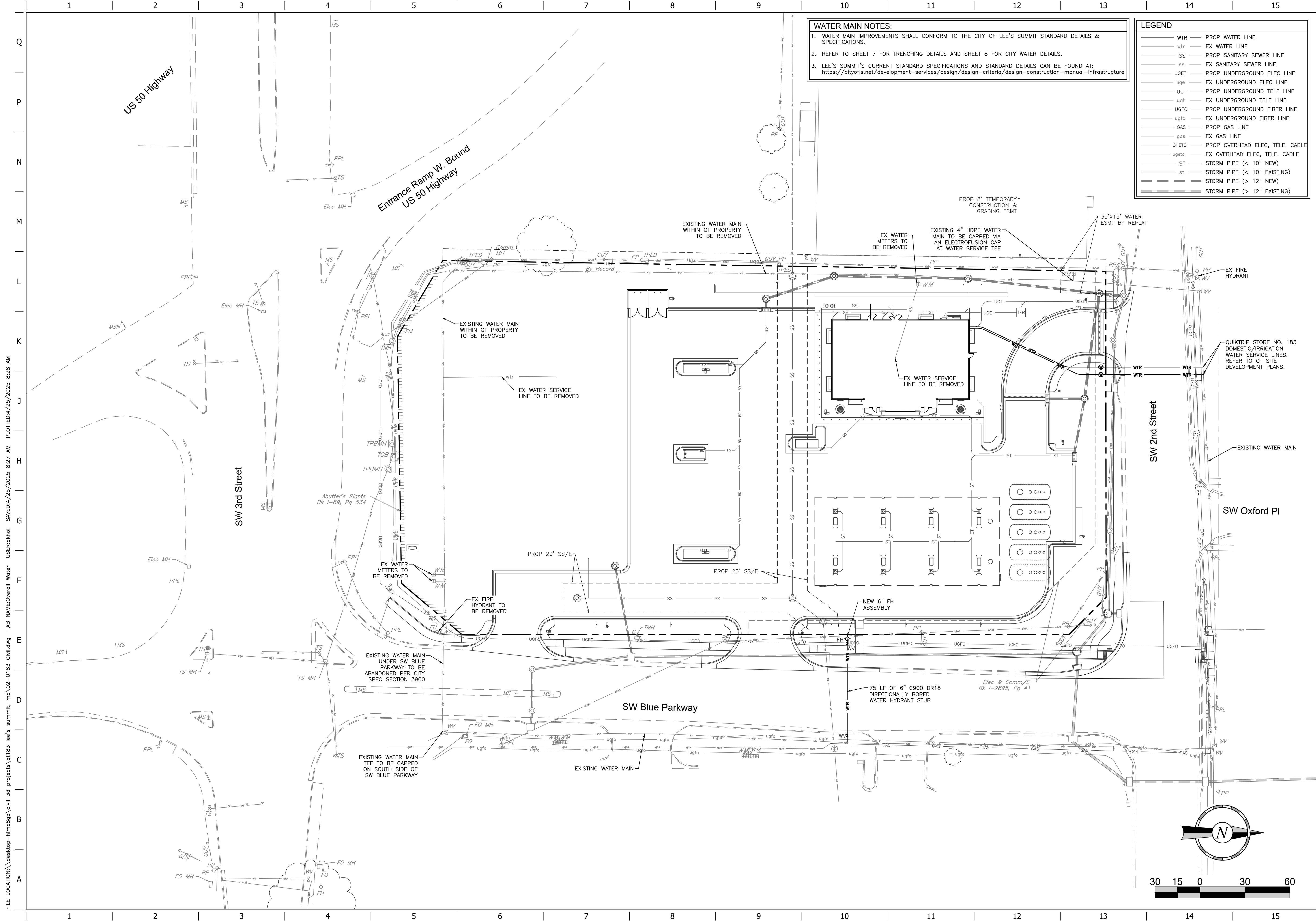
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DIVISION: 02
VERSION: 001
DESIGNED BY: CSH
DRAWN BY: CSH
REVIEWED BY: TRW

[illegible]

SHEET TITLE:									
INTERSECTION IMPROVEMENT PLAN									

SHEET NUMBER:

2



WATER MAIN NOTES:

1. WATER MAIN IMPROVEMENTS SHALL CONFORM TO THE CITY OF LEE'S SUMMIT STANDARD DETAILS & SPECIFICATIONS.

2. REFER TO SHEET 7 FOR TRENCHING DETAILS AND SHEET 8 FOR CITY WATER DETAILS.

3. LEE'S SUMMIT'S CURRENT STANDARD SPECIFICATIONS AND STANDARD DETAILS CAN BE FOUND AT: <https://cityoflis.net/development-services/design/design-criteria/design-construction-manual-infrastructure>

LEGEND	
WTR	PROP WATER LINE
wtr	EX WATER LINE
SS	PROP SANITARY SEWER LINE
ss	EX SANITARY SEWER LINE
UGET	PROP UNDERGROUND ELEC LINE
uge	EX UNDERGROUND ELEC LINE
UGT	PROP UNDERGROUND TELE LINE
ugt	EX UNDERGROUND TELE LINE
UGFO	PROP UNDERGROUND FIBER LINE
ugfo	EX UNDERGROUND FIBER LINE
GAS	PROP GAS LINE
gas	EX GAS LINE
OHETC	PROP OVERHEAD ELEC, TELE, CABLE
ugetc	EX OVERHEAD ELEC, TELE, CABLE
ST	STORM PIPE (< 10" NEW)
st	STORM PIPE (< 10" EXISTING)
	STORM PIPE (> 12" NEW)
	STORM PIPE (> 12" EXISTING)



PROJECT NO.:02-0183



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DIVISION:	02
VERSION:	001
DESIGNED BY:	CSH
DRAWN BY:	CSH
REVIEWED BY:	TRW

REV	DATE	DESCRIPTION

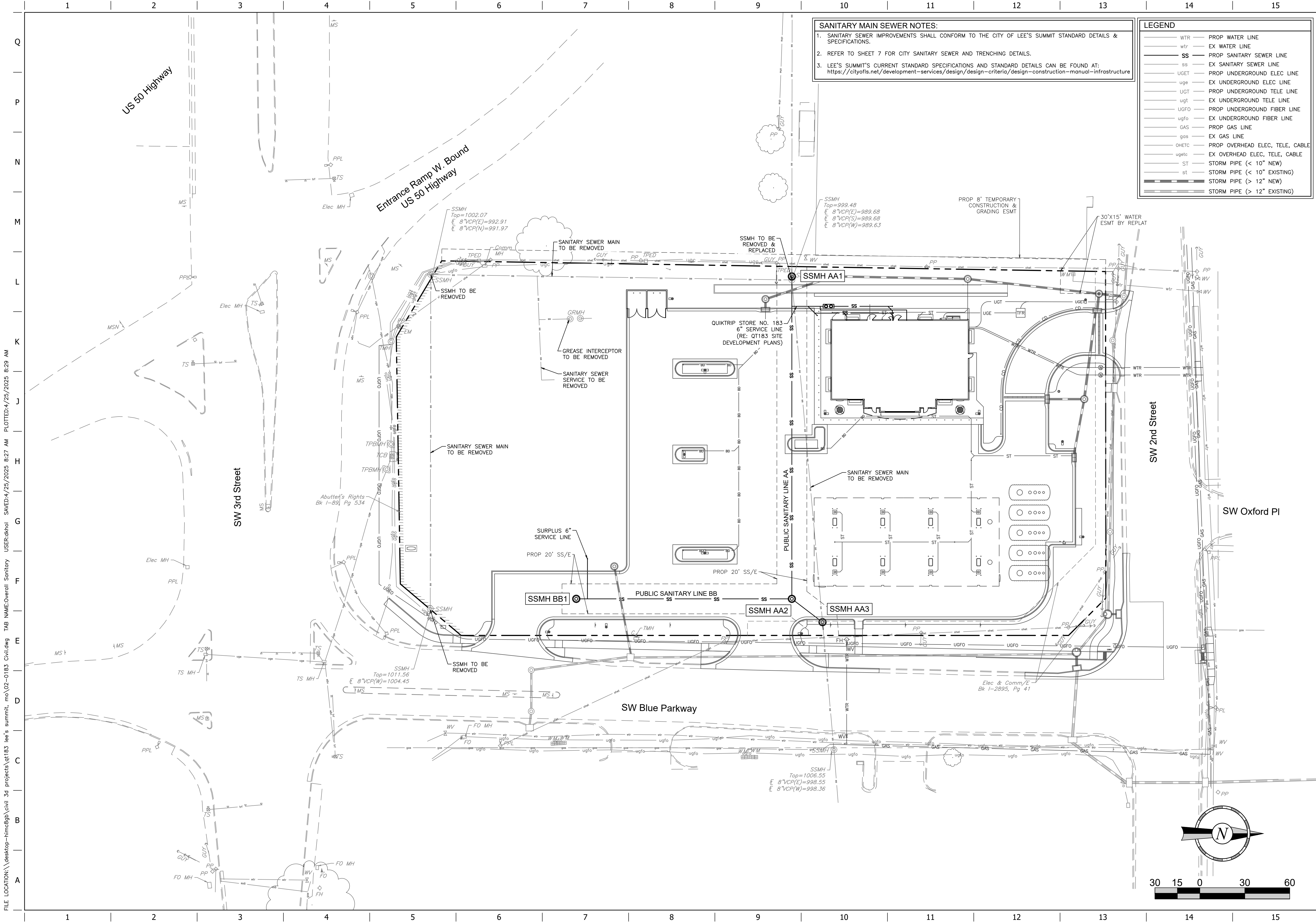
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WATER MAIN
MODIFICATION PLAN

SHEET NUMBER:

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DIVISION:	02
VERSION:	001
DESIGNED BY:	CSH
DRAWN BY:	CSH
REVIEWED BY:	TRW

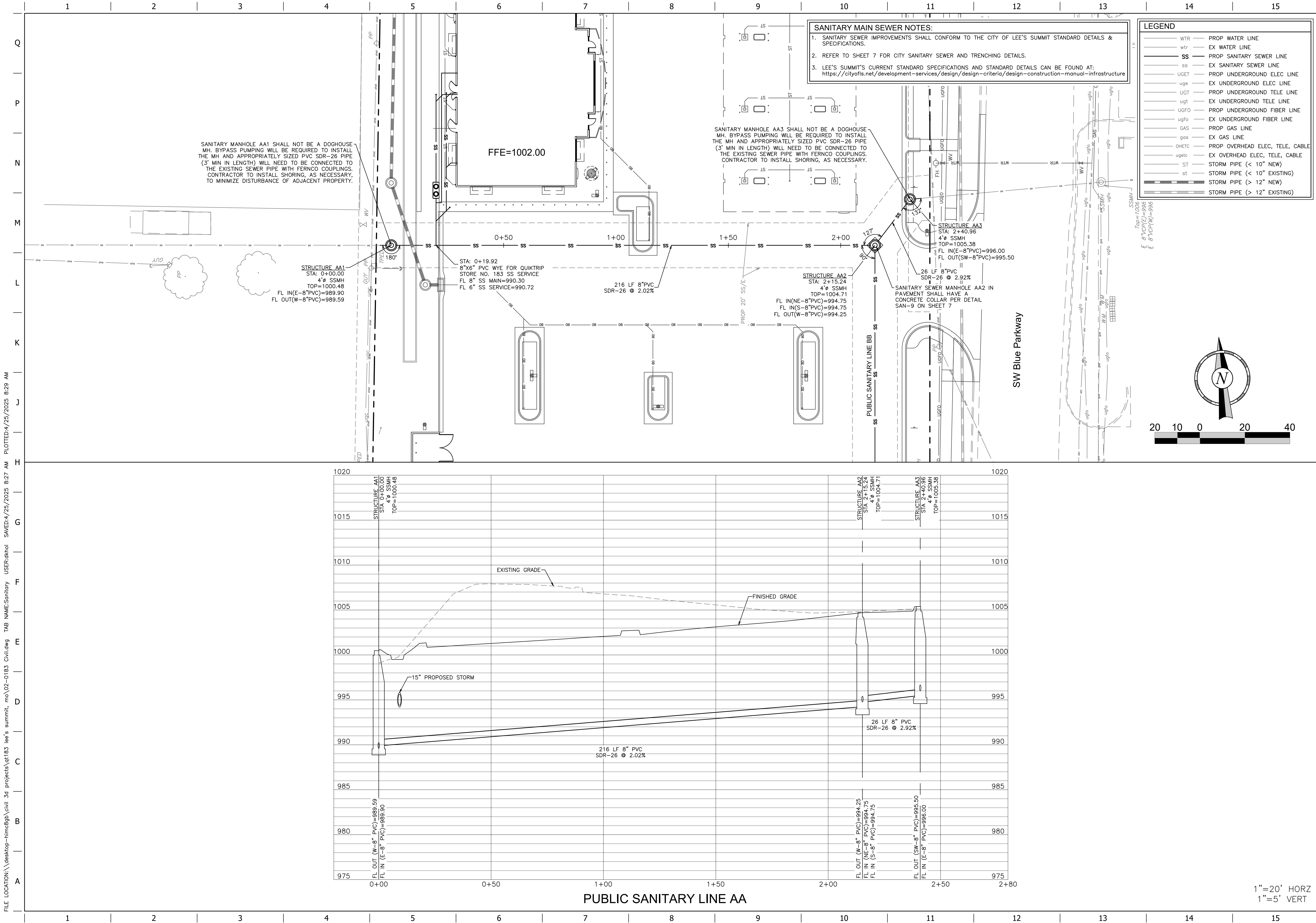
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SHEET TITLE:
SANITARY SEWER
MODIFICATION PLAN

SHEET NUMBER:
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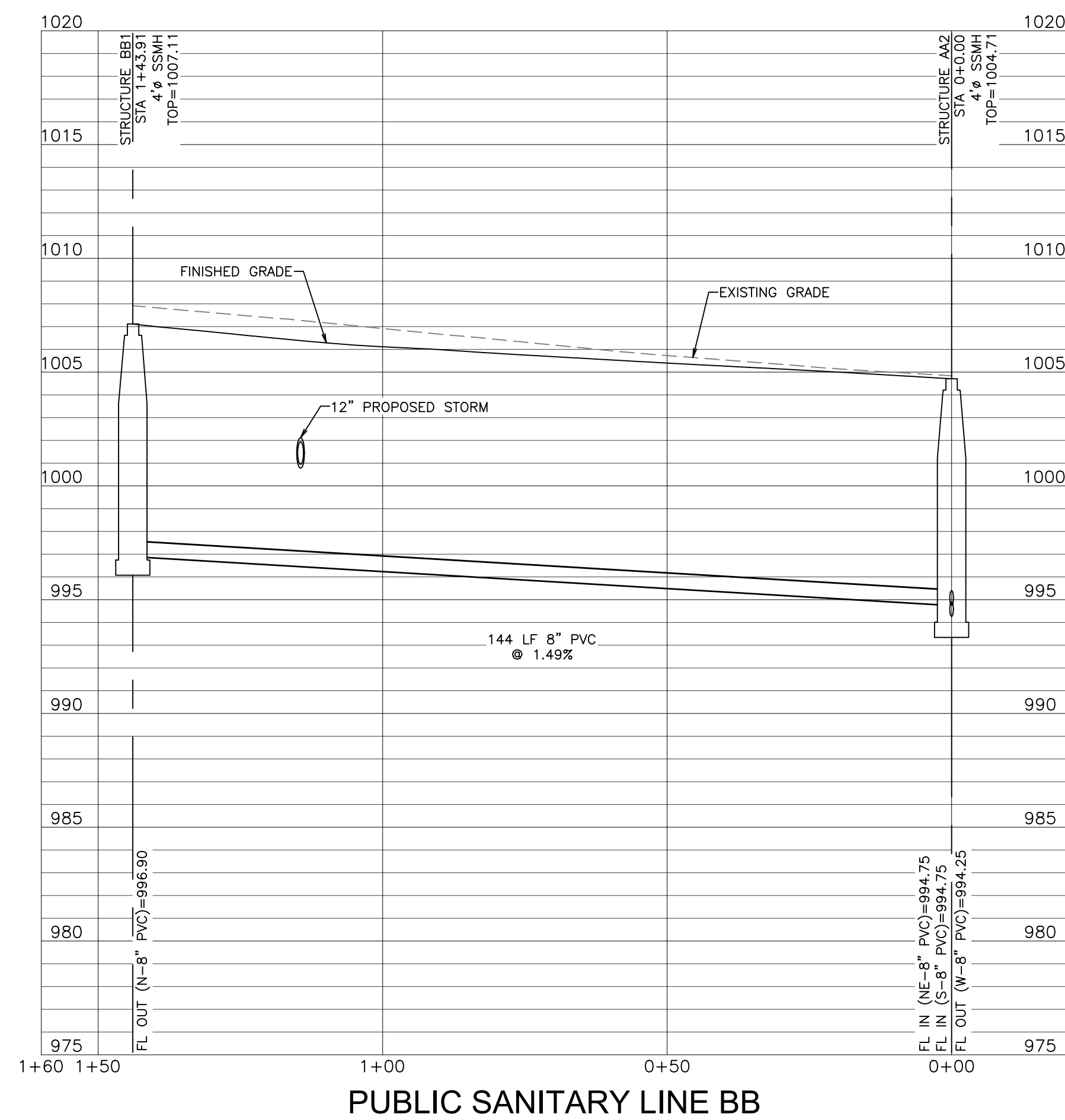
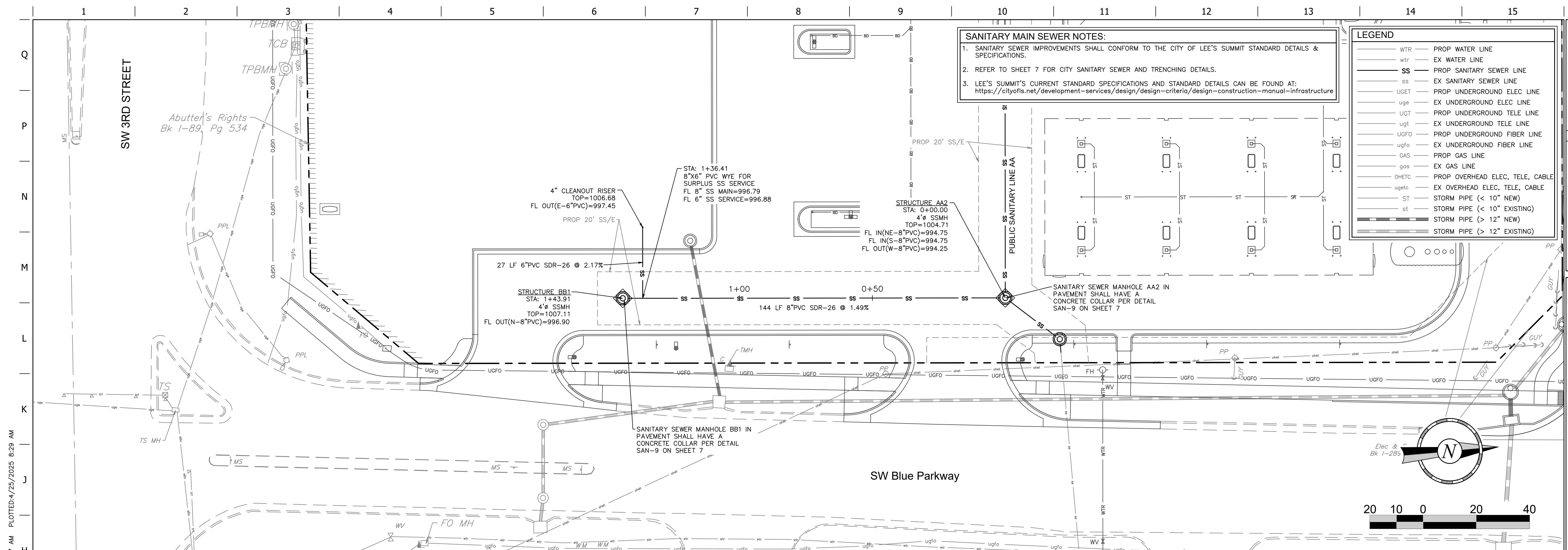
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DIVISION: 02
VERSION: 001
DESIGNED BY: CSH
DRAWN BY: CSH
REVIEWED BY: TRW

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 04/25/2025

SHEET TITLE:
SANITARY MAIN AA PLAN & PROFILE

SHEET NUMBER:
5



SANITARY MAIN SEWER NOTES:

LEGEND	
WTR	PROP WATER LINE
wtr	EX WATER LINE
SS	PROP SANITARY SEWER LINE
ss	EX SANITARY SEWER LINE
UGET	PROP UNDERGROUND ELEC LINE
uge	EX UNDERGROUND ELEC LINE
UGT	PROP UNDERGROUND TELE LINE
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ST	STORM PIPE (< 10" NEW)
st	STORM PIPE (< 10" EXISTING)
	STORM PIPE (> 12" NEW)
	STORM PIPE (> 12" EXISTING)

PUBLIC IMPROVEMENT PLANS
IN ASSOCIATION WITH

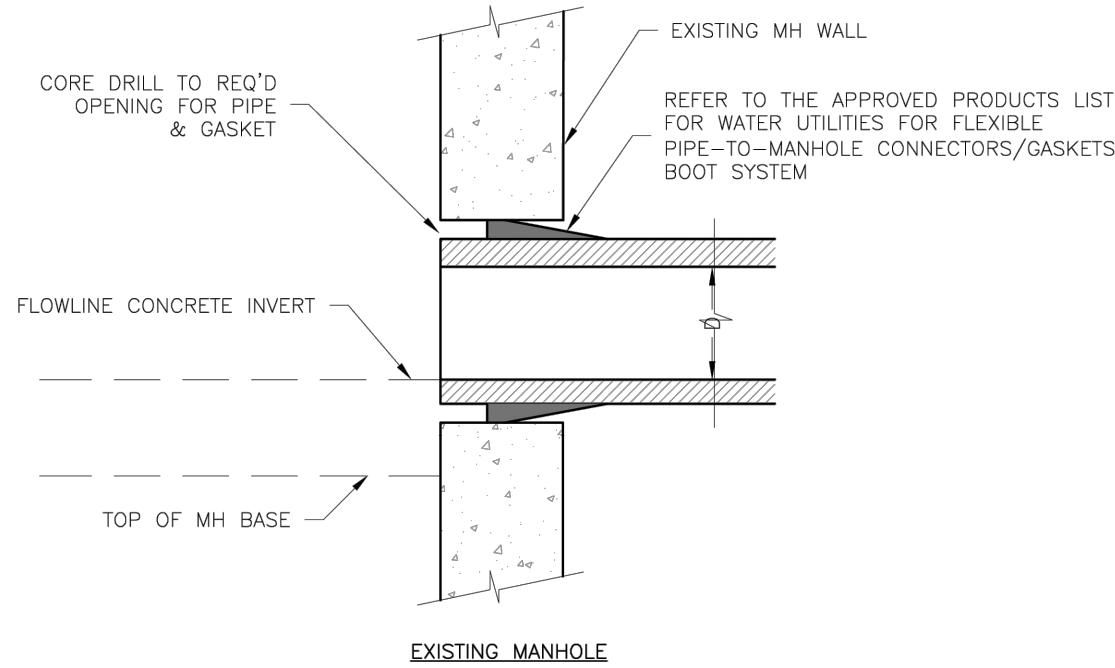
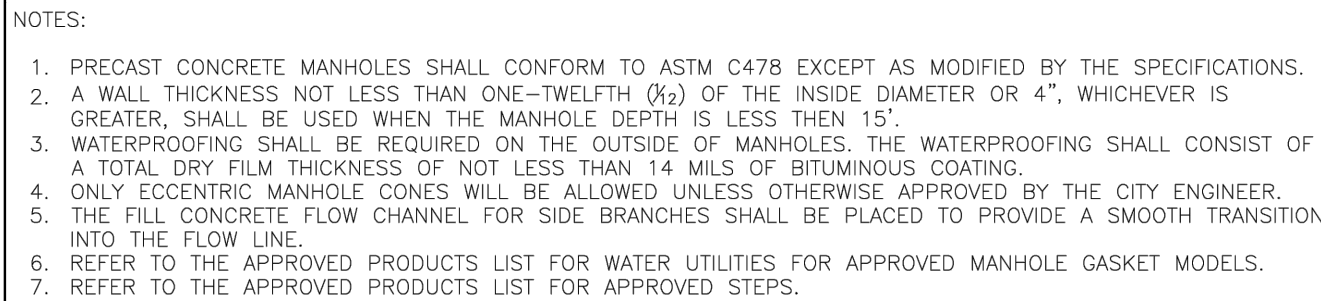
1001 SW BLUE PARKWAY
LEE'S SUMMIT, JACKSON CO., MO 64063



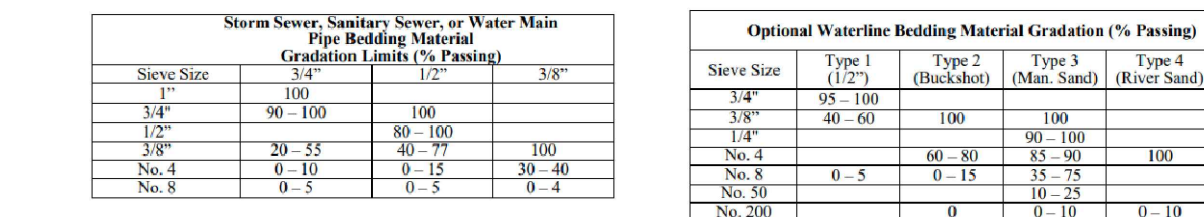
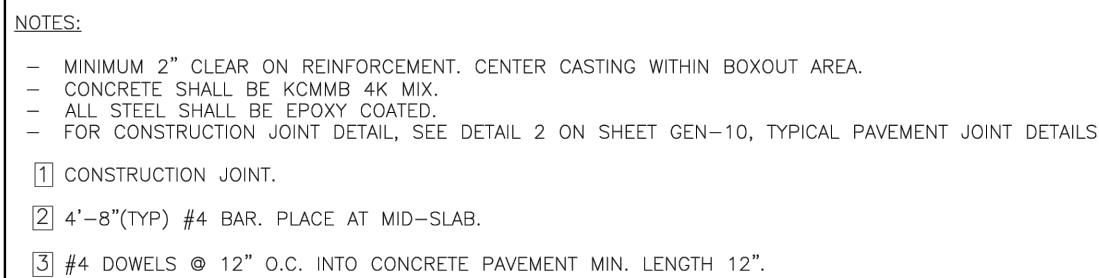
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VERSION: 001
DESIGNED BY: CSH
DRAWN BY: CSH
REVIEWED BY: TRW

SHEET TITLE:

SHEET NUMBER



Date: 08/2023		LEE'S SUMMIT MISSOURI PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063
Drawn By: MF		
Checked By: AB		
SAN-2		MANHOLE WALL CONNECTION



Date: 08/2023		LEE'S SUMMIT MISSOURI PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063
Drawn By: MJF		
Checked By: AB		
SAN-9		
		PIPE BEDDING DETAIL

REVIEWED BY:

ORIGINAL ISSUE DATE: 04/25/2025

SHEET TITLE:

CITY SANITARY SEWER &
TRENCHING DETAILS

SHEET NUMBER:

7

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Q				<table><tr><th colspan="6">REQUIRED CONCRETE BEARING AREA (SQUARE FEET - SF)</th></tr><tr><th>NOM. DIA. (INCHES)</th><th>180 TEE, PLUG</th><th>90 BEND</th><th>45 BEND</th><th>22.5 BEND</th><th>11.25 BEND</th></tr><tr><td>6</td><td>4.7</td><td>6.7</td><td>4.0</td><td>4.0</td><td>4.0</td></tr><tr><td>8</td><td>8.4</td><td>11.8</td><td>6.4</td><td>4.0</td><td>4.0</td></tr><tr><td>10</td><td>13.1</td><td>18.5</td><td>10.0</td><td>5.1</td><td>4.0</td></tr><tr><td>12</td><td>18.8</td><td>26.7</td><td>14.4</td><td>7.4</td><td>4.0</td></tr><tr><td>14</td><td>25.7</td><td>36.3</td><td>19.6</td><td>10.0</td><td>5.0</td></tr><tr><td>16</td><td>33.5</td><td>47.4</td><td>25.6</td><td>13.1</td><td>6.6</td></tr><tr><td>18</td><td>42.4</td><td>REST. JT.</td><td>32.5</td><td>16.5</td><td>8.3</td></tr><tr><td>20</td><td>REST. JT.</td><td>REST. JT.</td><td>40.1</td><td>20.4</td><td>10.3</td></tr><tr><td>24</td><td>REST. JT.</td><td>REST. JT.</td><td>REST. JT.</td><td>29.4</td><td>14.8</td></tr></table>			REQUIRED CONCRETE BEARING AREA (SQUARE FEET - SF)						NOM. DIA. (INCHES)	180 TEE, PLUG	90 BEND	45 BEND	22.5 BEND	11.25 BEND	6	4.7	6.7	4.0	4.0	4.0	8	8.4	11.8	6.4	4.0	4.0	10	13.1	18.5	10.0	5.1	4.0	12	18.8	26.7	14.4	7.4	4.0	14	25.7	36.3	19.6	10.0	5.0	16	33.5	47.4	25.6	13.1	6.6	18	42.4	REST. JT.	32.5	16.5	8.3	20	REST. JT.	REST. JT.	40.1	20.4	10.3	24	REST. JT.	REST. JT.	REST. JT.	29.4	14.8	<table><tr><th colspan="5">REQUIRED CONCRETE VOLUME (CUBIC FEET - CF)</th></tr><tr><th>NOM. DIA. (INCHES)</th><th>180 TEE, PLUG</th><th>90 BEND</th><th>45 BEND</th><th>22.5 BEND</th><th>11.25 BEND</th></tr><tr><td>6</td><td>50.5</td><td>71.4</td><td>38.6</td><td>19.7</td><td>9.9</td></tr><tr><td>8</td><td>89.8</td><td>126.9</td><td>68.7</td><td>35.0</td><td>17.6</td></tr><tr><td>10</td><td>140.2</td><td>198.3</td><td>107.3</td><td>54.7</td><td>27.5</td></tr><tr><td>12</td><td>202.0</td><td>REST. JT.</td><td>154.6</td><td>78.8</td><td>39.6</td></tr><tr><td>14</td><td>REST. JT.</td><td>REST. JT.</td><td>210.4</td><td>107.3</td><td>53.9</td></tr><tr><td>16</td><td>REST. JT.</td><td>REST. JT.</td><td>REST. JT.</td><td>140.1</td><td>70.4</td></tr><tr><td>18</td><td>REST. JT.</td><td>REST. JT.</td><td>REST. JT.</td><td>177.3</td><td>89.1</td></tr><tr><td>20</td><td>REST. JT.</td><td>REST. JT.</td><td>REST. JT.</td><td>REST. JT.</td><td>110.0</td></tr><tr><td>24</td><td>REST. JT.</td><td>REST. JT.</td><td>REST. JT.</td><td>REST. JT.</td><td>158.4</td></tr></table>			REQUIRED CONCRETE VOLUME (CUBIC FEET - CF)					NOM. DIA. (INCHES)	180 TEE, PLUG	90 BEND	45 BEND	22.5 BEND	11.25 BEND	6	50.5	71.4	38.6	19.7	9.9	8	89.8	126.9	68.7	35.0	17.6	10	140.2	198.3	107.3	54.7	27.5	12	202.0	REST. JT.	154.6	78.8	39.6	14	REST. JT.	REST. JT.	210.4	107.3	53.9	16	REST. JT.	REST. JT.	REST. JT.	140.1	70.4	18	REST. JT.	REST. JT.	REST. JT.	177.3	89.1	20	REST. JT.	REST. JT.	REST. JT.	REST. JT.	110.0	24	REST. JT.	REST. JT.	REST. JT.	REST. JT.	158.4				<table><tr><th colspan="2">PIPE SIZE</th><th>"D" MIN.</th></tr><tr><td>6"</td><td>4"</td><td></td></tr><tr><td>8"</td><td>7"</td><td></td></tr><tr><td>12"</td><td>15"</td><td></td></tr></table>			PIPE SIZE		"D" MIN.	6"	4"		8"	7"		12"	15"							
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N				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.						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 MUST BE AGAINST UNDISTURBED SOIL. 4. DO NOT COVER JOINTS OR BOLTS (WHERE APPLICABLE) WITH CONCRETE.			NOTE: THIS DETAIL NOT TO BE USED FOR PIPE GREATER THAN 12"																																																																																																																																																							
M				LS LEE'S SUMMIT MISSOURI PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 WAT-1			LS LEE'S SUMMIT MISSOURI PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 WAT-2			LS LEE'S SUMMIT MISSOURI PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 WAT-3																																																																																																																																																										
L																																																																																																																																																																				
K				NOTES: 1. INTERMEDIATE BELLS SHALL BE ENCASED. 2. REINFORCING STEEL SHALL BE #4 @ 12" O.C. EACH WAY WITH A MINIMUM REBAR LAP OF 12". 3. THIS DETAIL IS FOR PIPES 12" AND SMALLER.			NOTES: 1. WHEN RETAINER GLANDS ARE USED IN LIEU OF ANCHOR FITTINGS, HORIZONTAL THRUST BLOCKS ARE REQUIRED. 2. GATE VALVE MAY BE BOLTED DIRECTLY TO ANCHOR 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.																																																																																																																																																													
J				LS LEE'S SUMMIT MISSOURI PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 WAT-4			LS LEE'S SUMMIT MISSOURI PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 WAT-7			LS LEE'S SUMMIT MISSOURI PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 WAT-9																																																																																																																																																										
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CITY
STANDARD
DETAILS

PROJECT NO.: 02-0183

MDG

Midwest Design Group
Kansas City

PO Box 860015
Shawnee, KS 66286-0015
P 913.248.9385

PUBLIC IMPROVEMENT PLANS
IN ASSOCIATION WITH

QuikTrip No. 0183R

1001 SW BLUE PARKWAY
LEE'S SUMMIT, JACKSON CO., MO 64063



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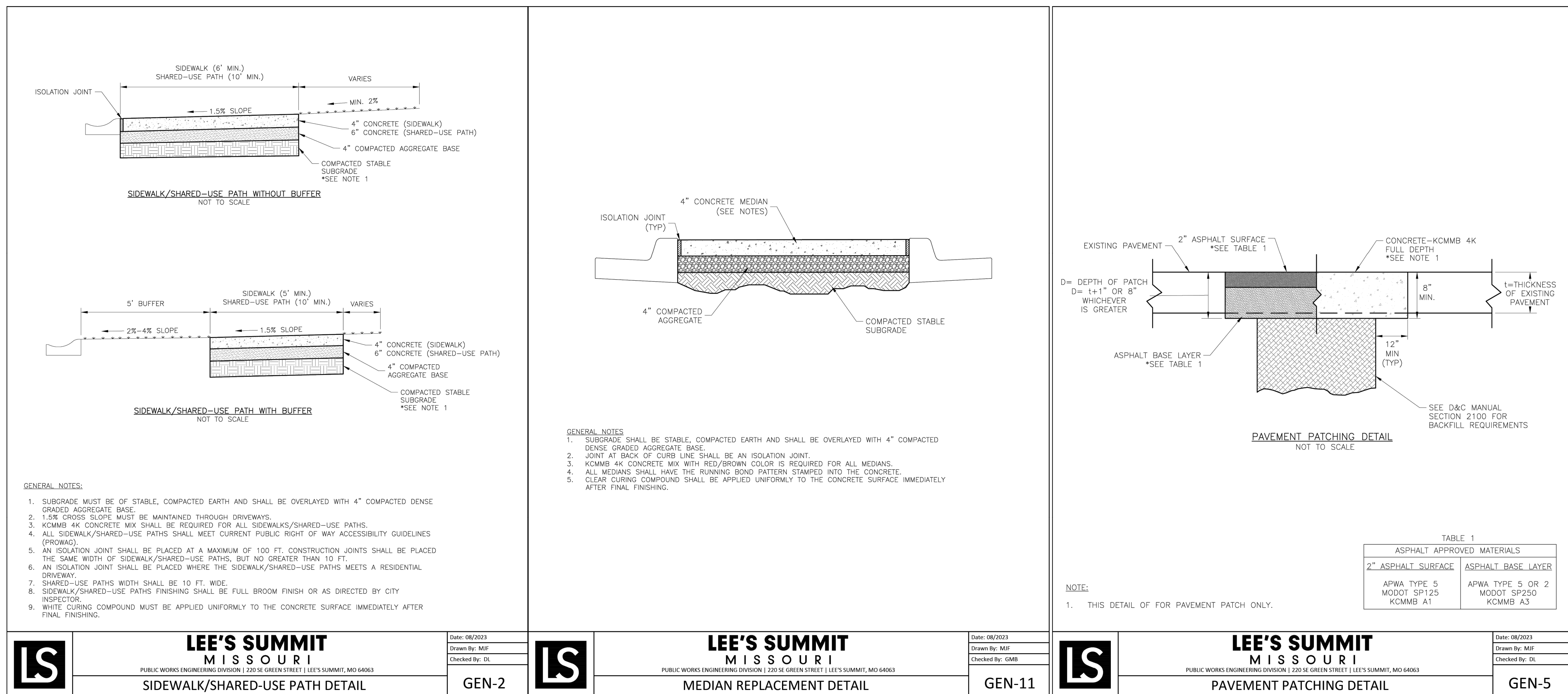
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DIVISION: 02
VERSION: 001
DESIGNED BY: CSH
DRAWN BY: CSH
REVIEWED BY: TRW

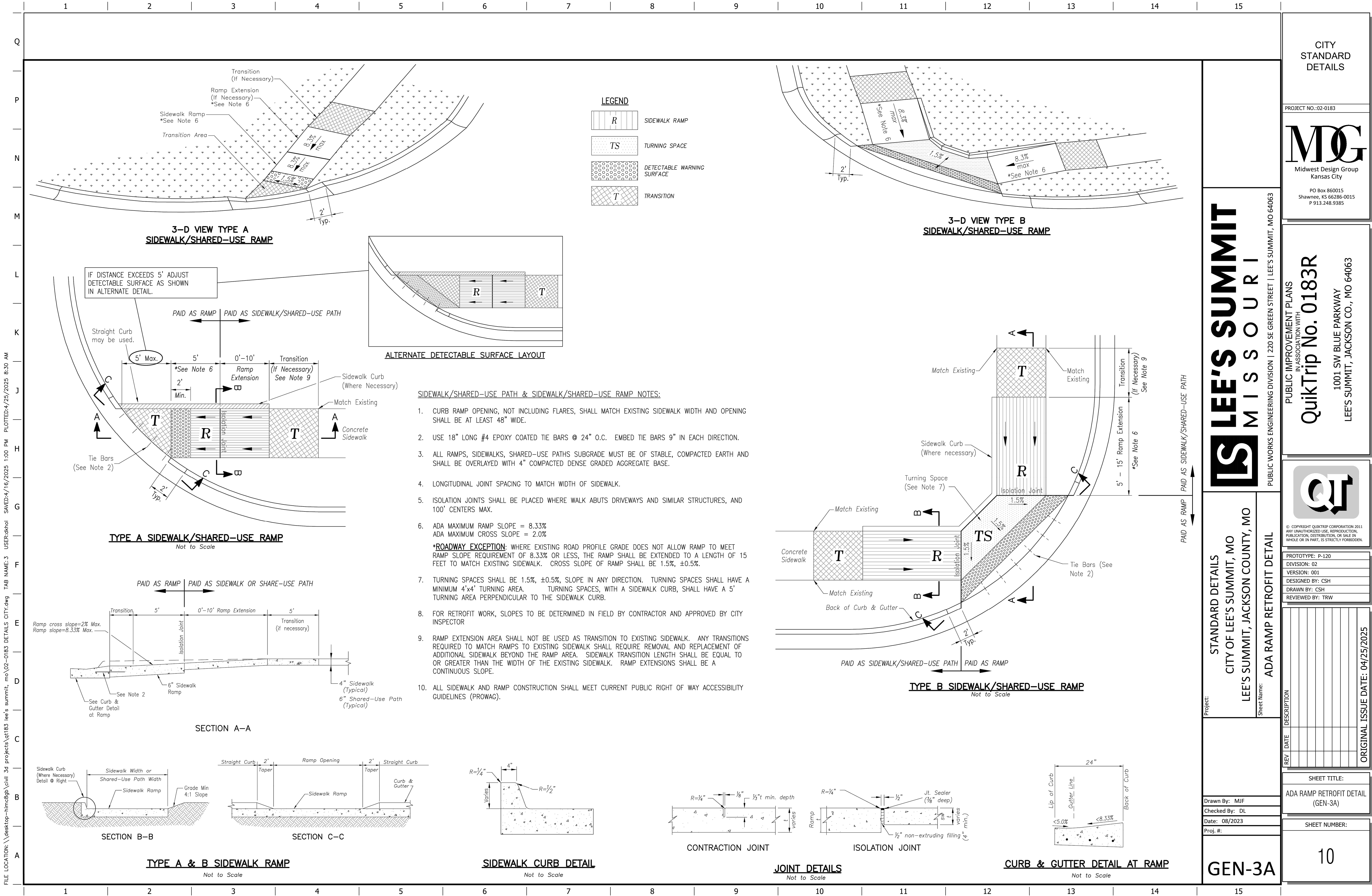
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SHEET TITLE:
CITY WATER DETAILS

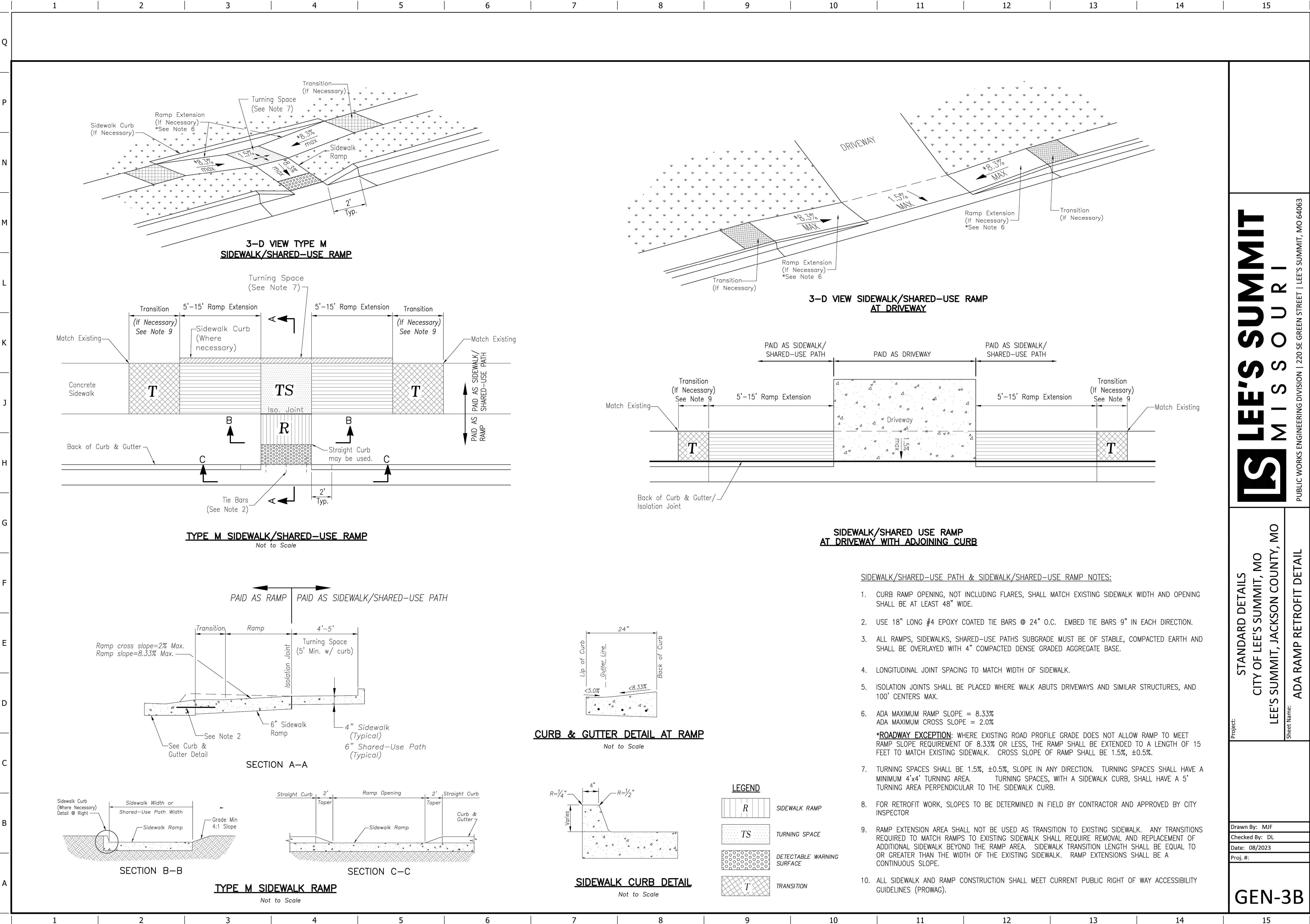
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ORIGINAL ISSUE DATE: 04/25/2025





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CITY
STANDARD
DETAILS

PROJECT NO.:02-0183

MDG
Midwest Design Group
Kansas City

PO Box 860015
Shawnee, KS 66286-0015
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LEE'S SUMMIT
MISSOURI

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

PUBLIC IMPROVEMENT PLANS
IN ASSOCIATION WITH
QuikTrip No. 0183R
1001 SW BLUE PARKWAY
LEE'S SUMMIT, JACKSON CO., MO 64063



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DESIGNED BY: CSH
DRAWN BY: CSH
REVIEWED BY: TRW

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ORIGINAL ISSUE DATE: 04/25/2025

STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT, JACKSON COUNTY, MO

Sheet Name: ADA RAMP RETROFIT DETAIL

Drawn By: MIF
Checked By: DL
Date: 08/2023
Proj. #:

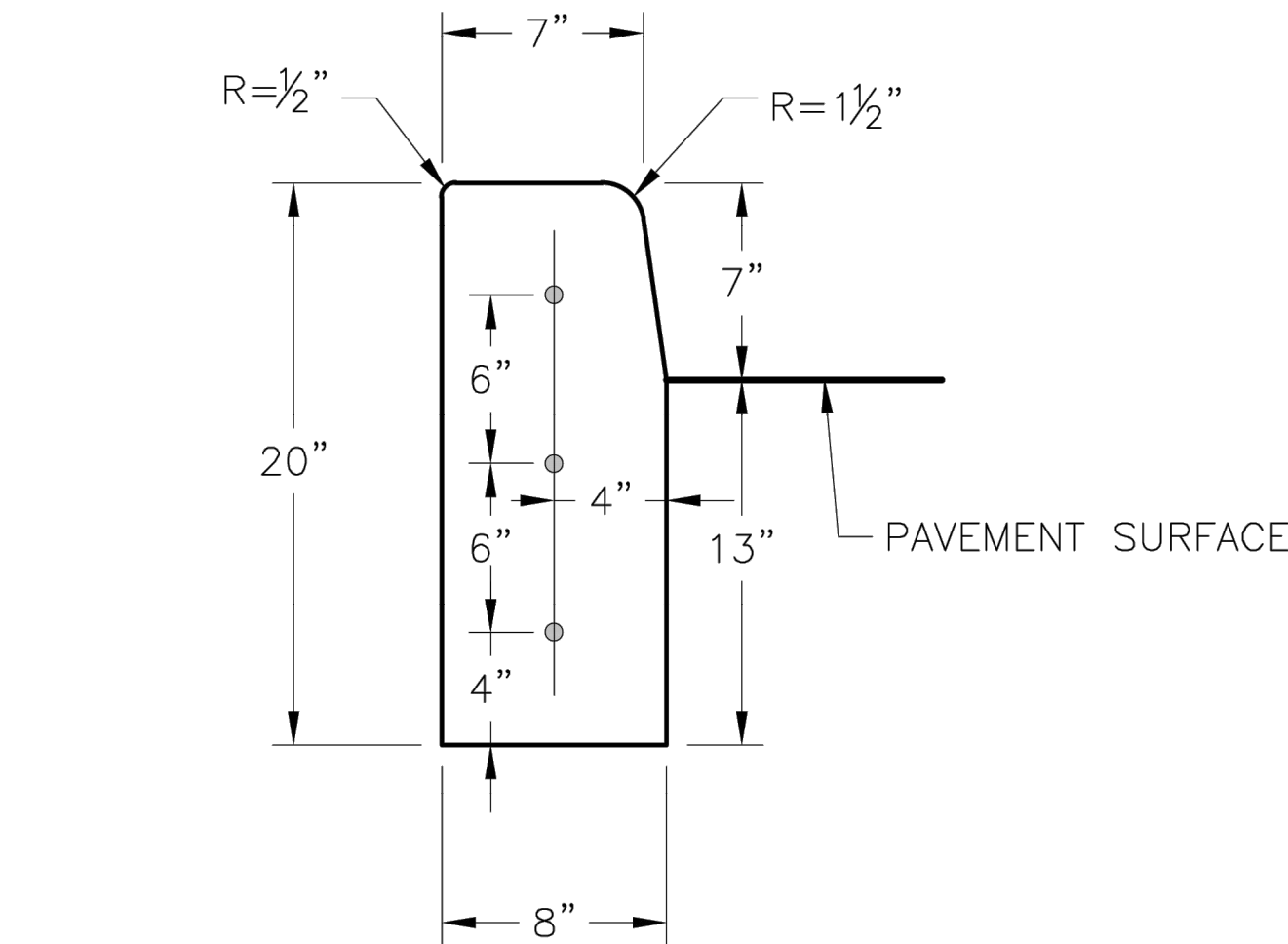
GEN-3B

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(GEN-3B)

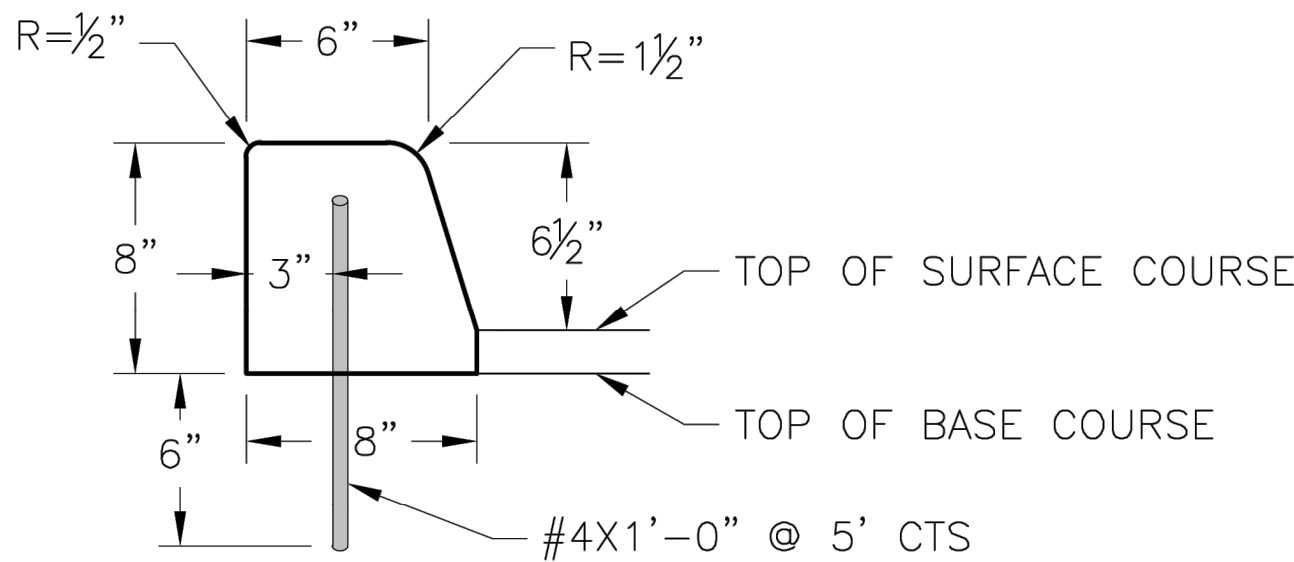
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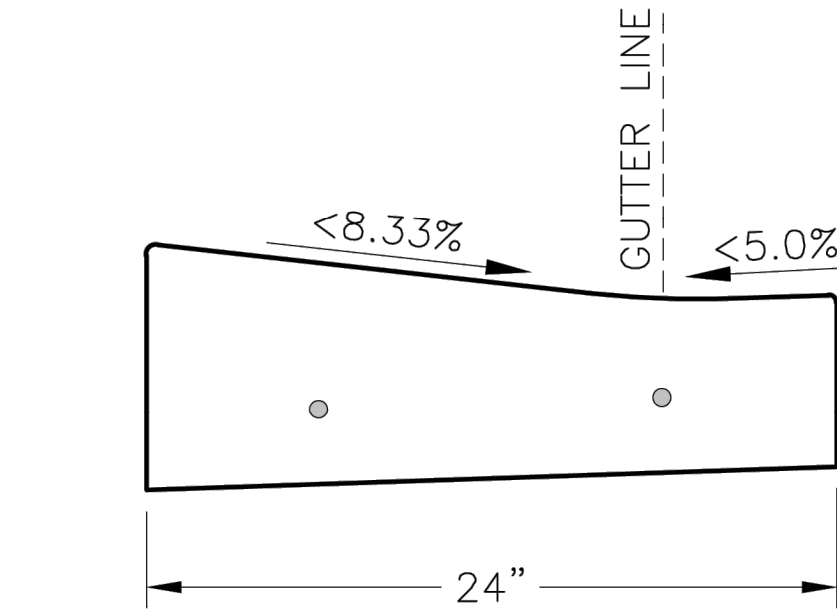
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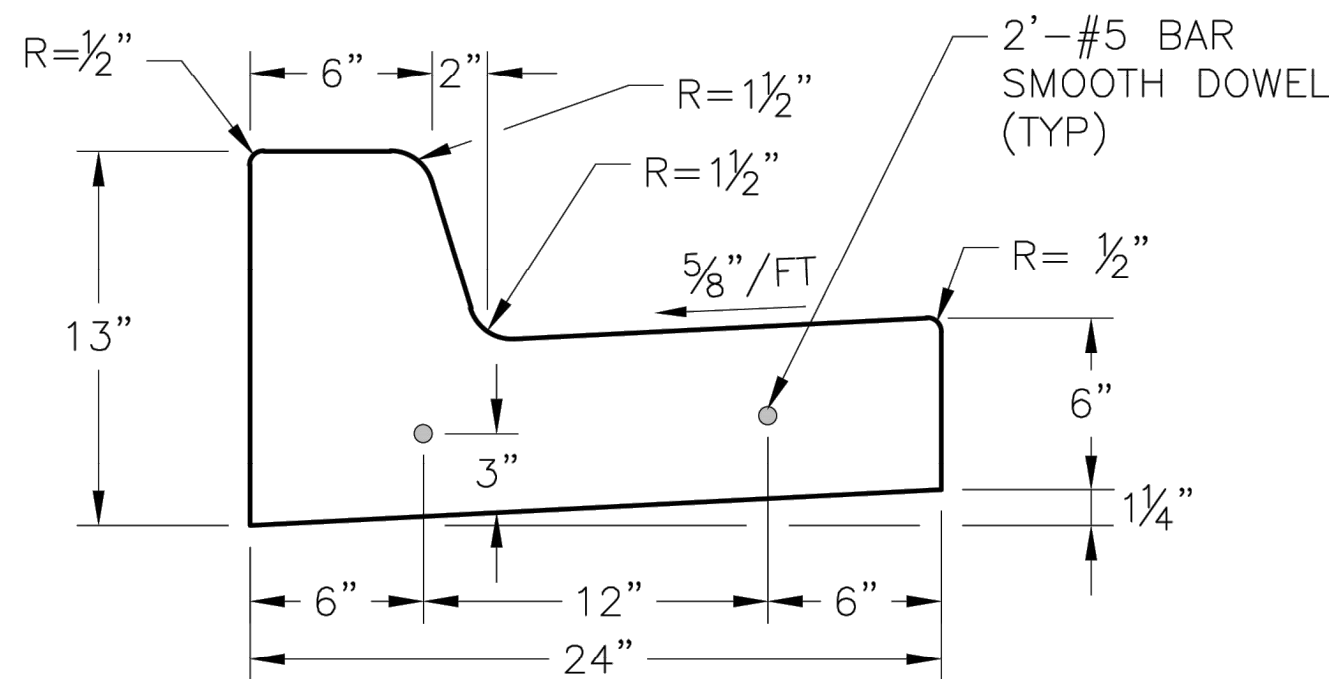
STRAIGHT CURB
(TYPE C-1)



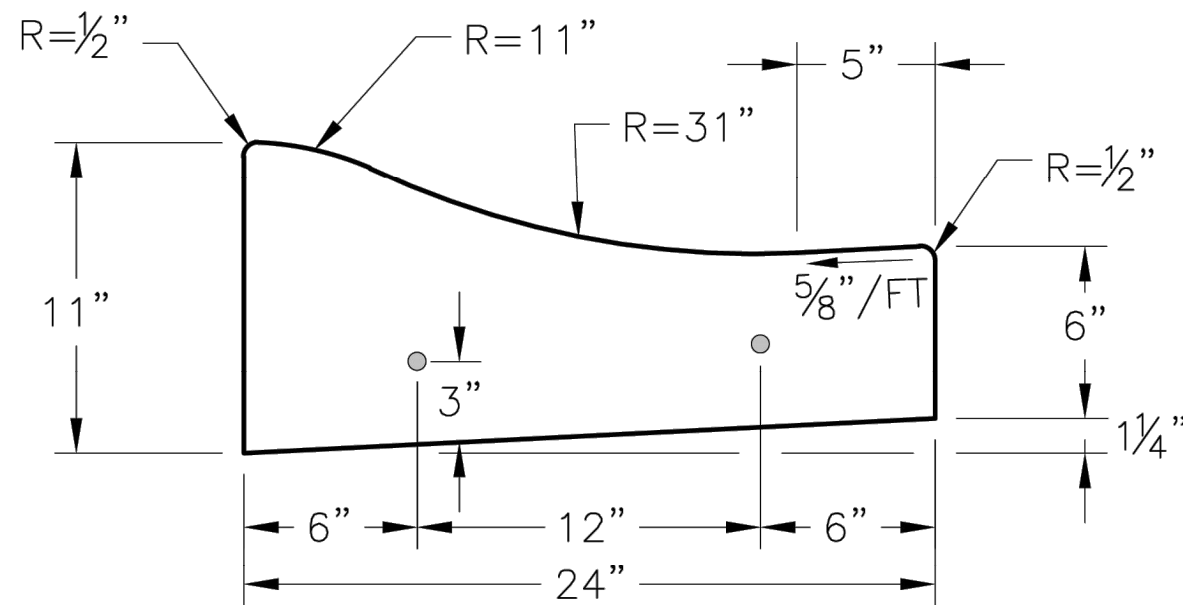
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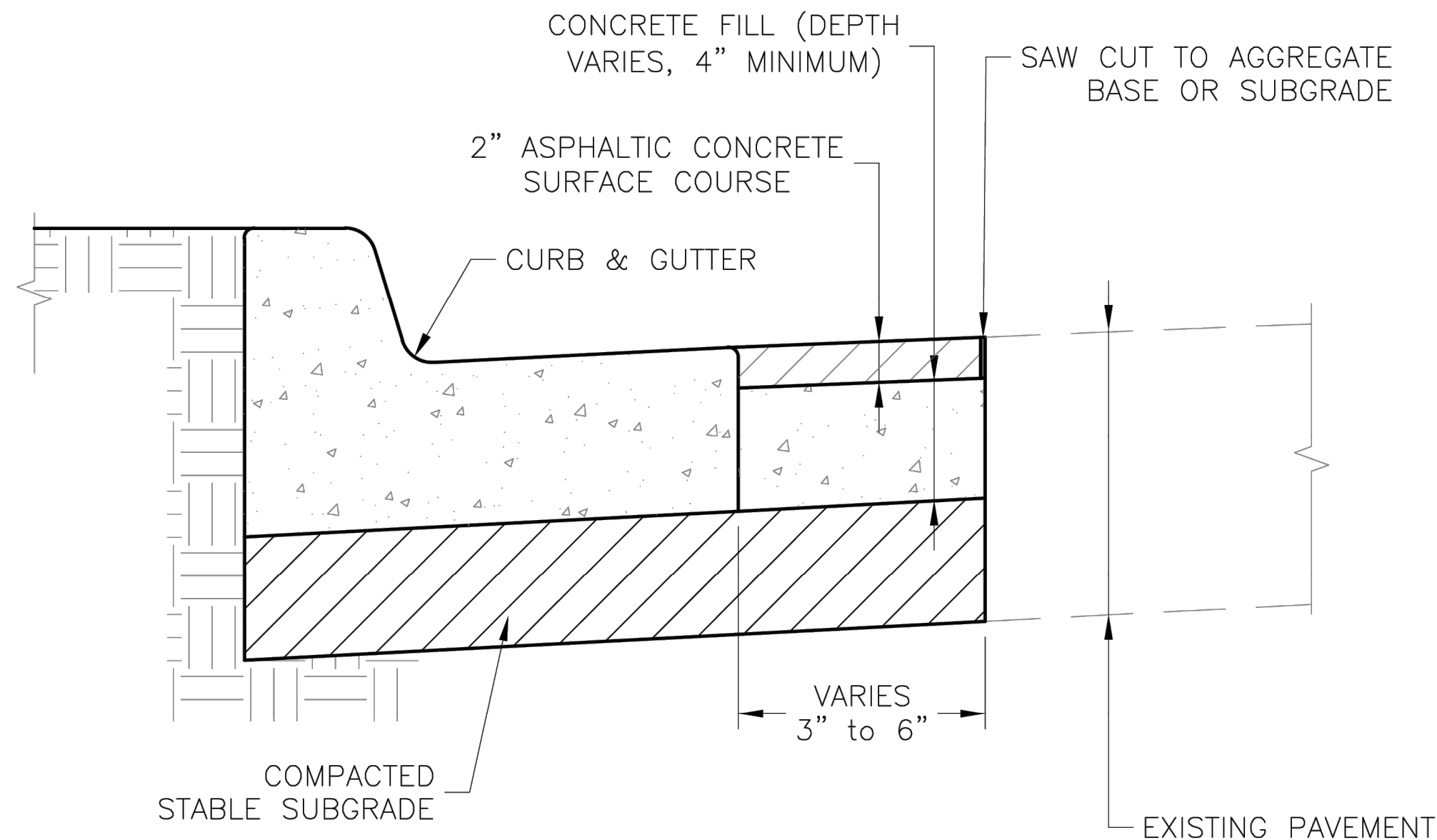
CURB & GUTTER DETAIL AT RAMP
(ADA SLOPE REQUIREMENTS)



STRAIGHT BACK CURB &
GUTTER
(TYPE CG-1)



ROLL BACK CURB &
GUTTER
(TYPE CG-2)



CURB REPLACEMENT DETAIL

GENERAL NOTES

- 3/4" ISOLATION JOINTS WITH 2 (2'-#5 BAR) SMOOTH DOWELS SHALL BE PLACED AT RADIUS POINTS AND AT 150' INTERVALS. THESE DOWEL BARS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES.
- 3" DEEP CONTRACTION JOINTS SHALL BE INSTALLED AT APPROXIMATELY 10' INTERVALS. THESE JOINTS SHALL PASS ACROSS THE ENTIRE CURB SECTION.
- CONCRETE FILL SHALL HAVE UNIFORM AND SMOOTH FINISH
- KCMMB 4K CONCRETE SHALL BE USED FOR ALL CURB.
- ASPHALTIC CONCRETE SURFACE COURSE SHALL CONFORM TO STANDARD SPECIFICATIONS SECTION 2205.2.
- CURBS FOR NEW STREETS SHALL BE BUILT ON ASPHALT OR AGGREGATE BASE AS SHOWN IN TYPICAL SECTION DETAIL.
- WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.
- ALL DOWELS & TIE BARS SHALL BE EPOXY COATED.

CITY
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PROJECT NO.:02-0183

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LEE'S SUMMIT
MISSOURI

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

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STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT, JACKSON COUNTY, MO

CURB & GUTTER DETAIL

Drawn By: MIF
Checked By: DL
Date: 08/2023
Proj. #:

GEN-4

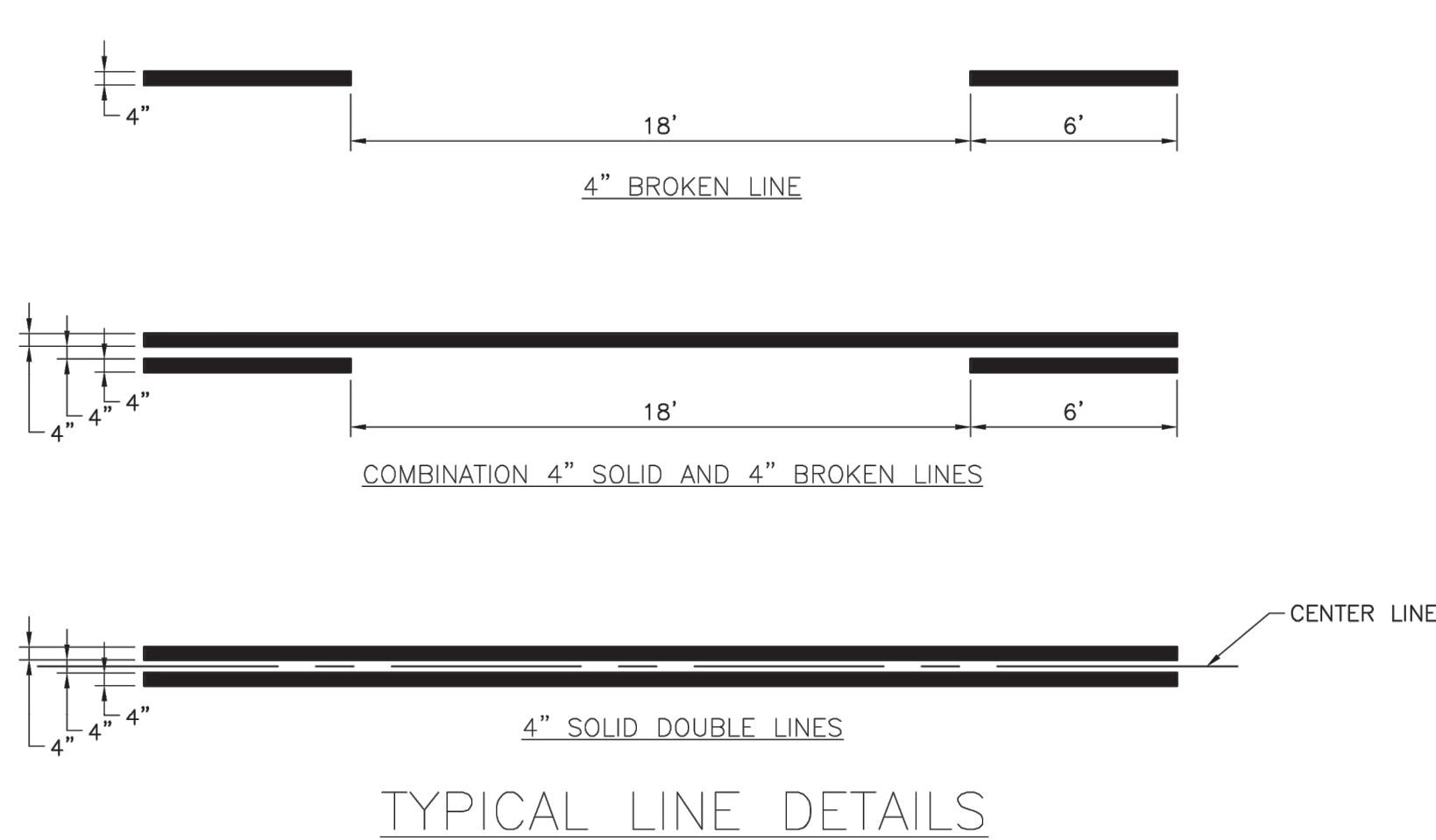
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CURB & GUTTER DETAIL
(GEN-4)

SHEET NUMBER:

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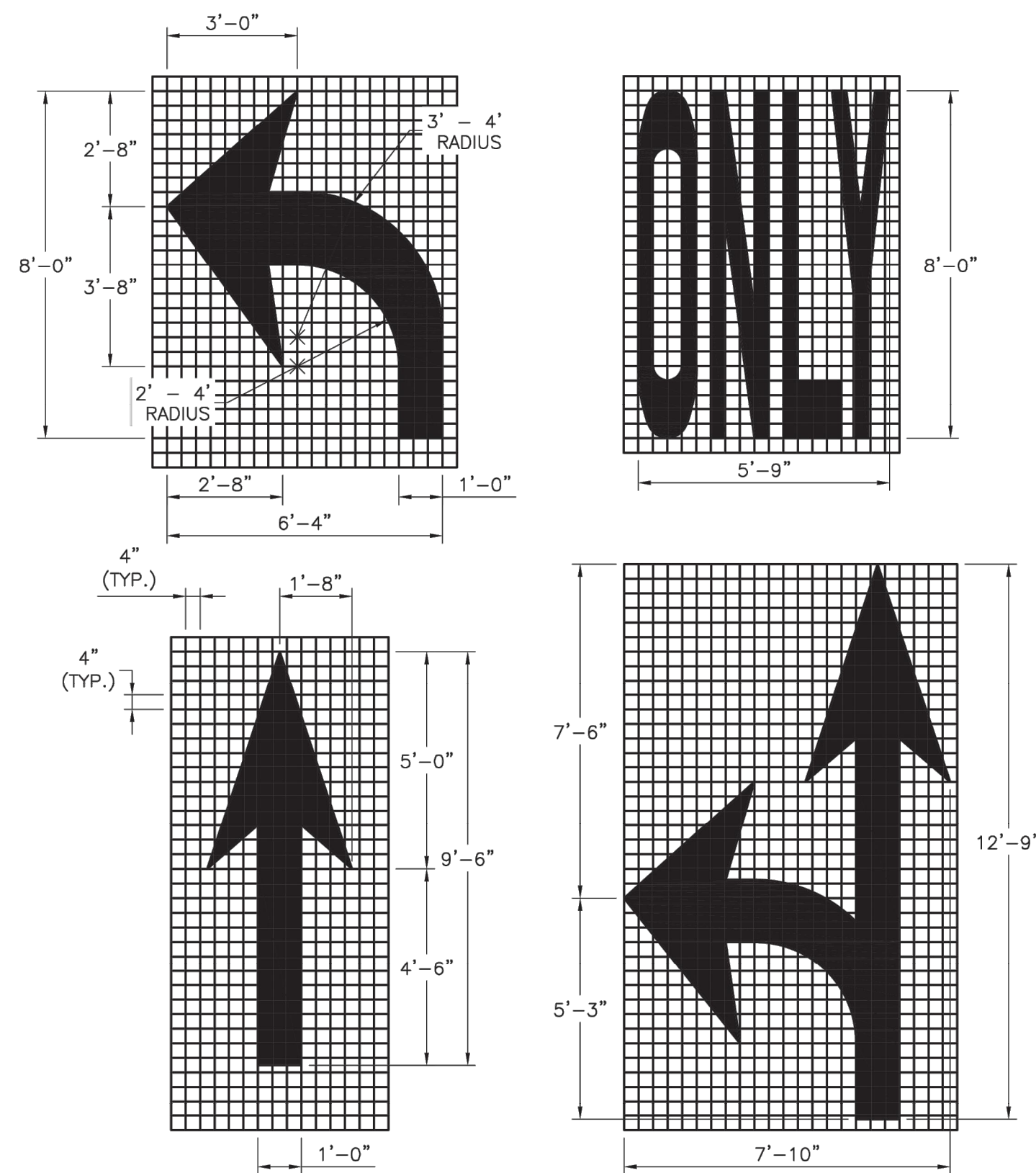
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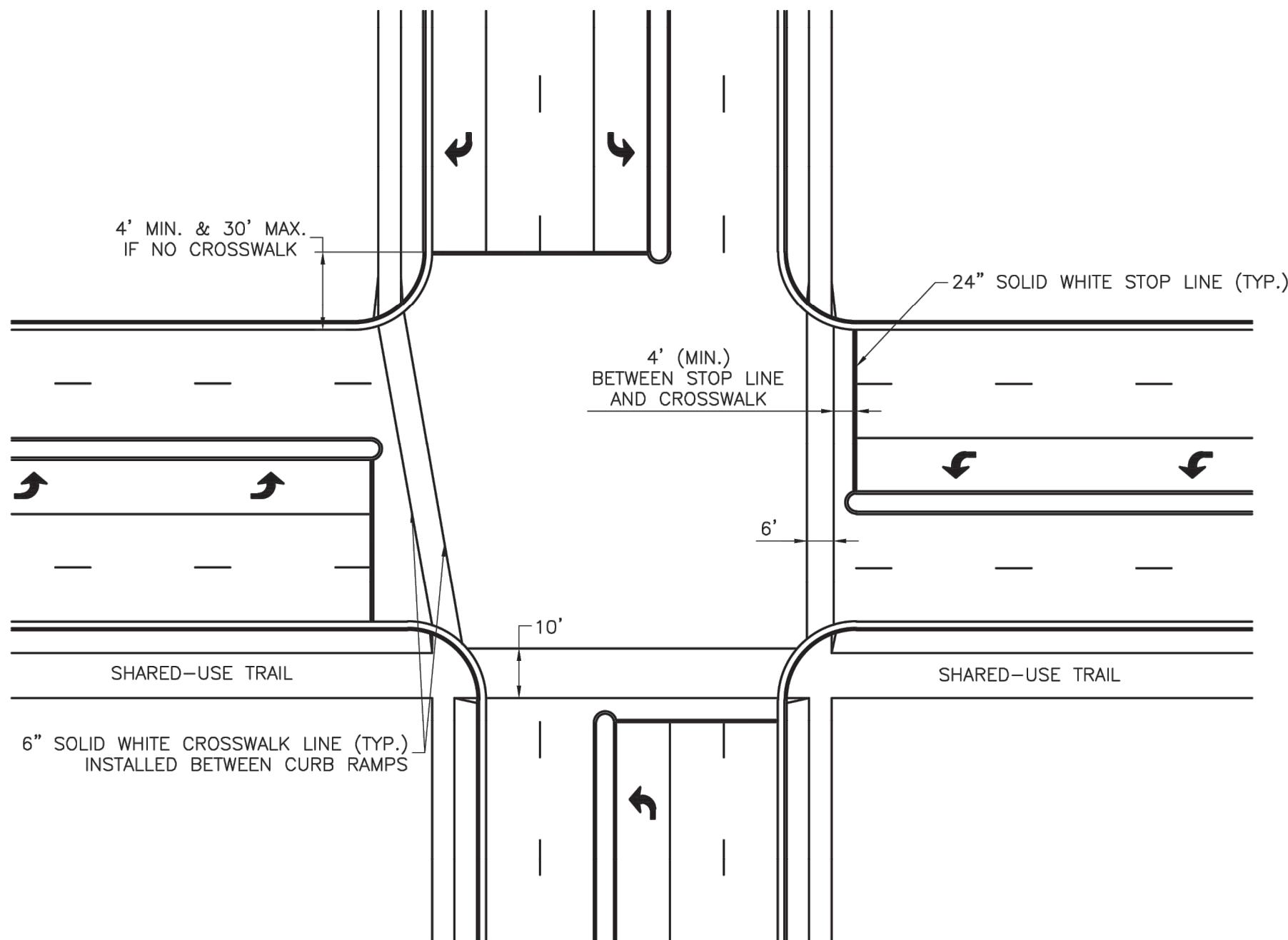
1. ALL EDGE LINE, CENTER LINE, AND LANE LINE PAVEMENT MARKINGS SHALL BE 4" WIDE UNLESS OTHERWISE NOTED.
2. EDGE LINES SHALL BE CONTINUOUS SOLID WHITE OR YELLOW LINES. RIGHT SIDE EDGE LINES SHALL BE SOLID WHITE. MEDIAN OR LEFT SIDE EDGE LINES ON DIVIDED ROADWAYS ARE TO BE SOLID YELLOW. EDGE LINES AND CENTER LINES SHALL BE CONTINUOUS ACROSS DRIVEWAYS.



ARROW AND SYMBOL DETAILS

NOTES:

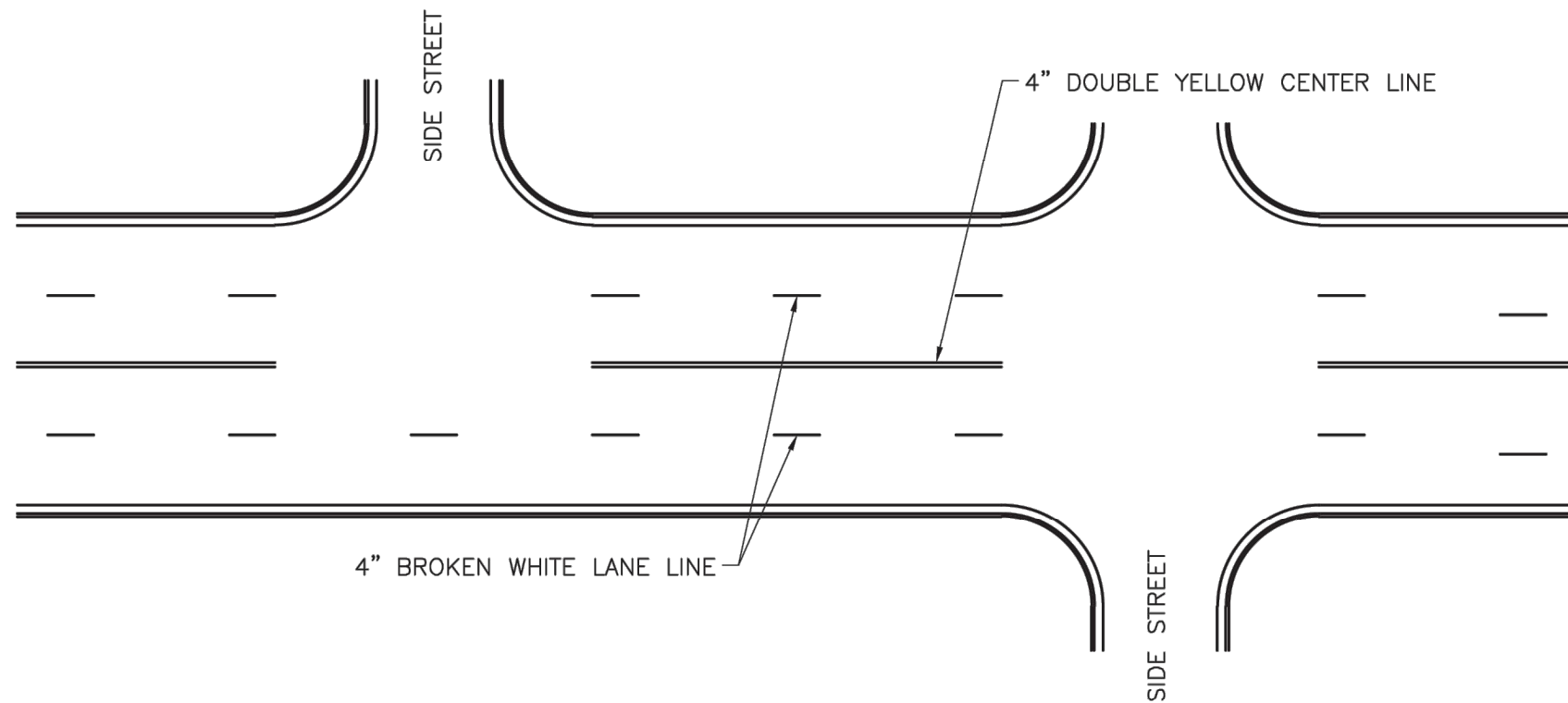
1. ALL ARROW AND SYMBOL MARKINGS SHALL BE WHITE, AND SHALL BE CENTERED IN THEIR RESPECTIVE TRAFFIC LANES.
2. RIGHT-TURN AND COMBINATION RIGHT-TURN/STRAIGHT ARROWS ARE REVERSE OF ARROWS SHOWN.



TYPICAL INTERSECTION MARKINGS

NOTES:

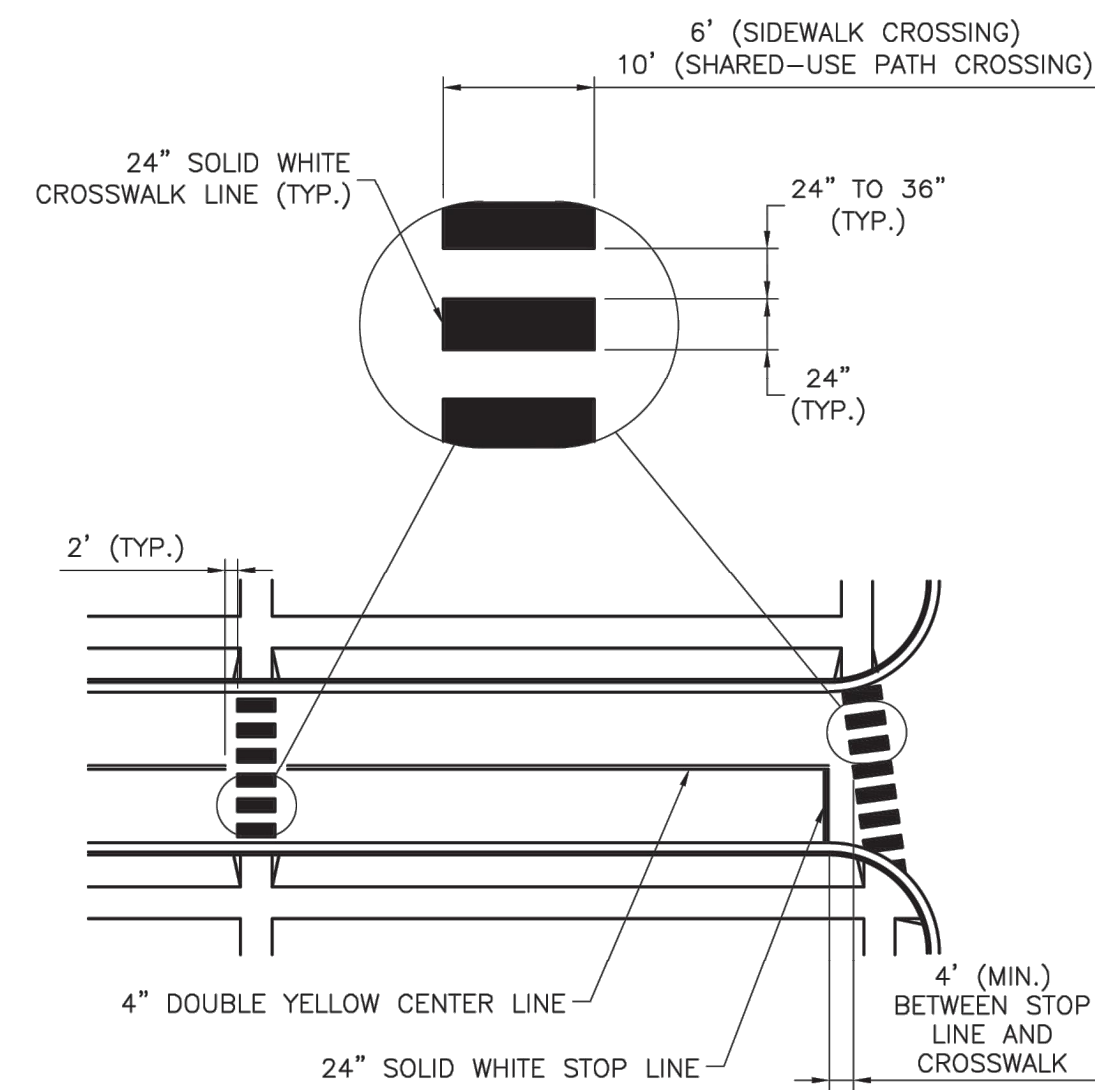
1. TRANSVERSE CROSSWALK LINES SHALL BE INSTALLED SUCH THAT THE DISTANCE BETWEEN LINES IS AT LEAST 6 FEET OR 10 FEET.
2. STOP LINES ARE REQUIRED AT SIGNALIZED INTERSECTIONS, ON MULTI-LANE STOP CONTROLLED APPROACHES, OR ADVANCE OF CROSSWALKS AT CONTROLLED INTERSECTIONS.



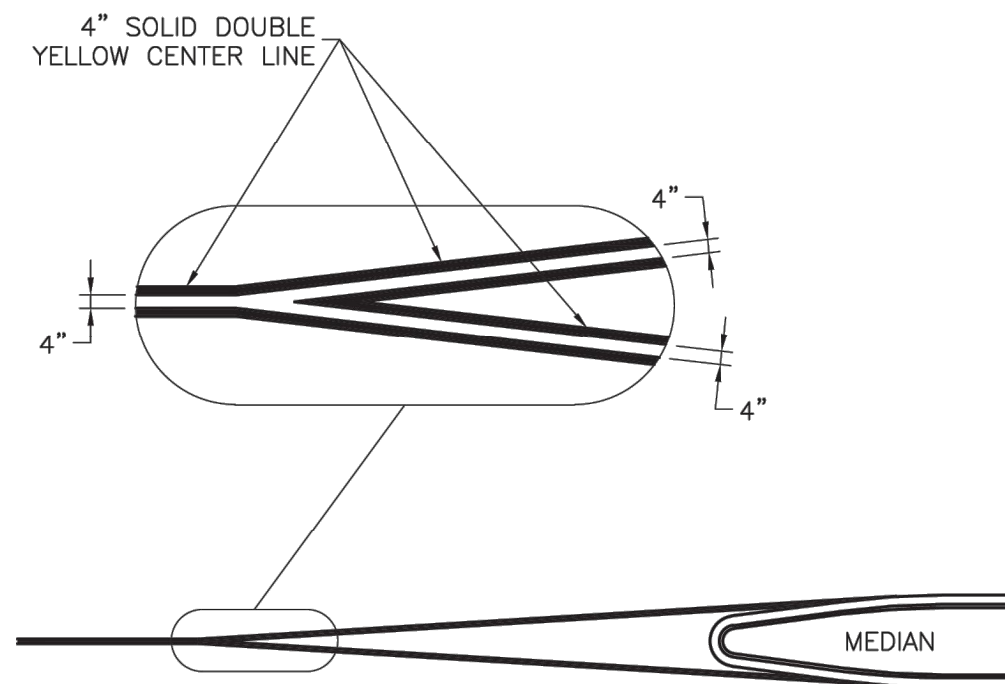
TYPICAL MARKINGS FOR FOUR-LANE UNDIVIDED ROADWAY

PAVEMENT MARKING GENERAL NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. ALL WORDS AND SYMBOLS SHALL CONFORM TO THE LATEST EDITION OF STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS PRINTED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.
3. PAVEMENT MARKINGS, EITHER TEMPORARY OR PERMANENT ARE REQUIRED AT ALL TIMES IF THE ROADWAY IS OPEN TO TRAFFIC.
4. ALL PAVEMENT MARKINGS THAT CONFLICT WITH THE DESIRED MARKINGS SHALL BE COMPLETELY REMOVED. REMOVALS SHALL NOT LEAVE THE ROAD SURFACE SCARRED WITH AN IMAGE THAT MISLEADS TRAFFIC. ANY EXCESS DAMAGE OR SCARRING OF PAVEMENT SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
5. THE PROPOSED PERMANENT MARKINGS SHALL BE LAID OUT BY THE CONTRACTOR IN ADVANCE OF THE MARKING INSTALLATION. MARKINGS SHALL NOT BE APPLIED UNTIL THE LAYOUT HAS BEEN APPROVED BY THE CITY TRAFFIC ENGINEER.
6. CENTER LINES SHALL BE MARKED ON ALL UNDIVIDED ARTERIAL STREETS, AND ANY OTHER UNDIVIDED STREET WITH MORE THAN TWO LANES AND/OR A SPEED LIMIT OF 30 MPH OR MORE.
7. EDGE LINES SHALL BE MARKED ON ALL NON-CURBED STREETS.



TYPICAL MID-BLOCK OR SCHOOL CROSS WALK



TYPICAL MEDIAN NOSE CENTER LINE DETAIL

LEE'S SUMMIT
MISSOURI

STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT, JACKSON COUNTY, MO

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

Drawn By: BWC
Checked By: MP
Date: 01/2020
Proj. #:

PM-1

CITY
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PROJECT NO.: 02-0183

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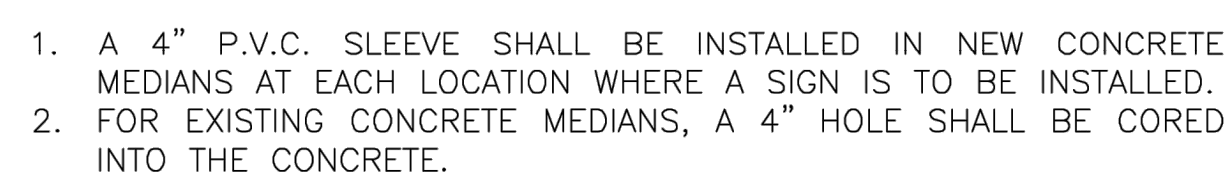
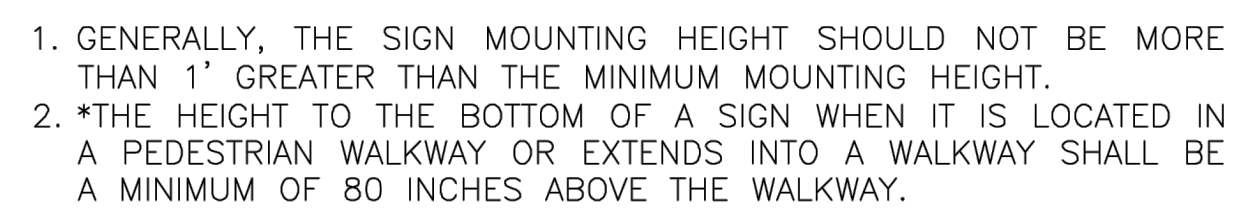
ORIGINAL ISSUE DATE: 04/25/2025

SHEET TITLE:

ROADWAY MARKING
DETAILS (PM-1)

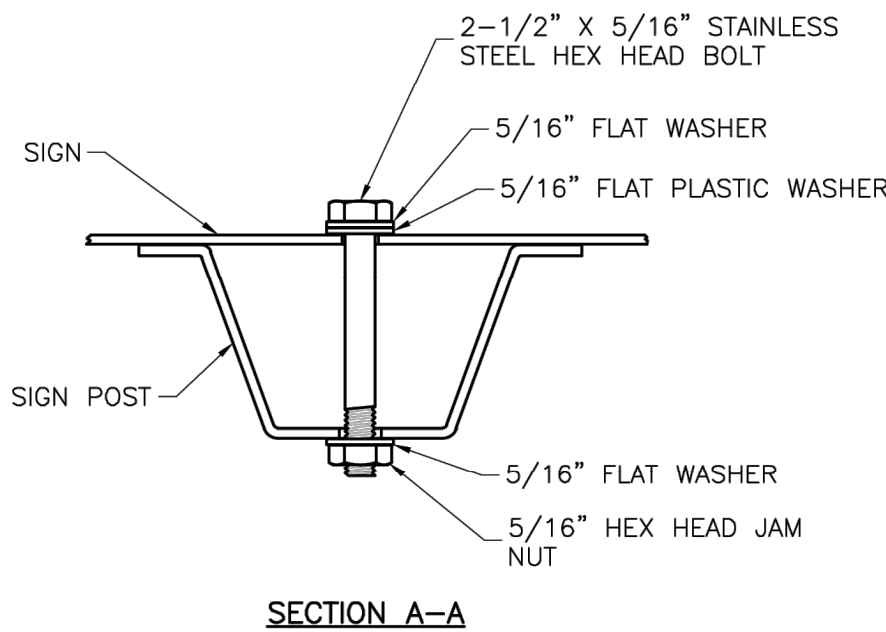
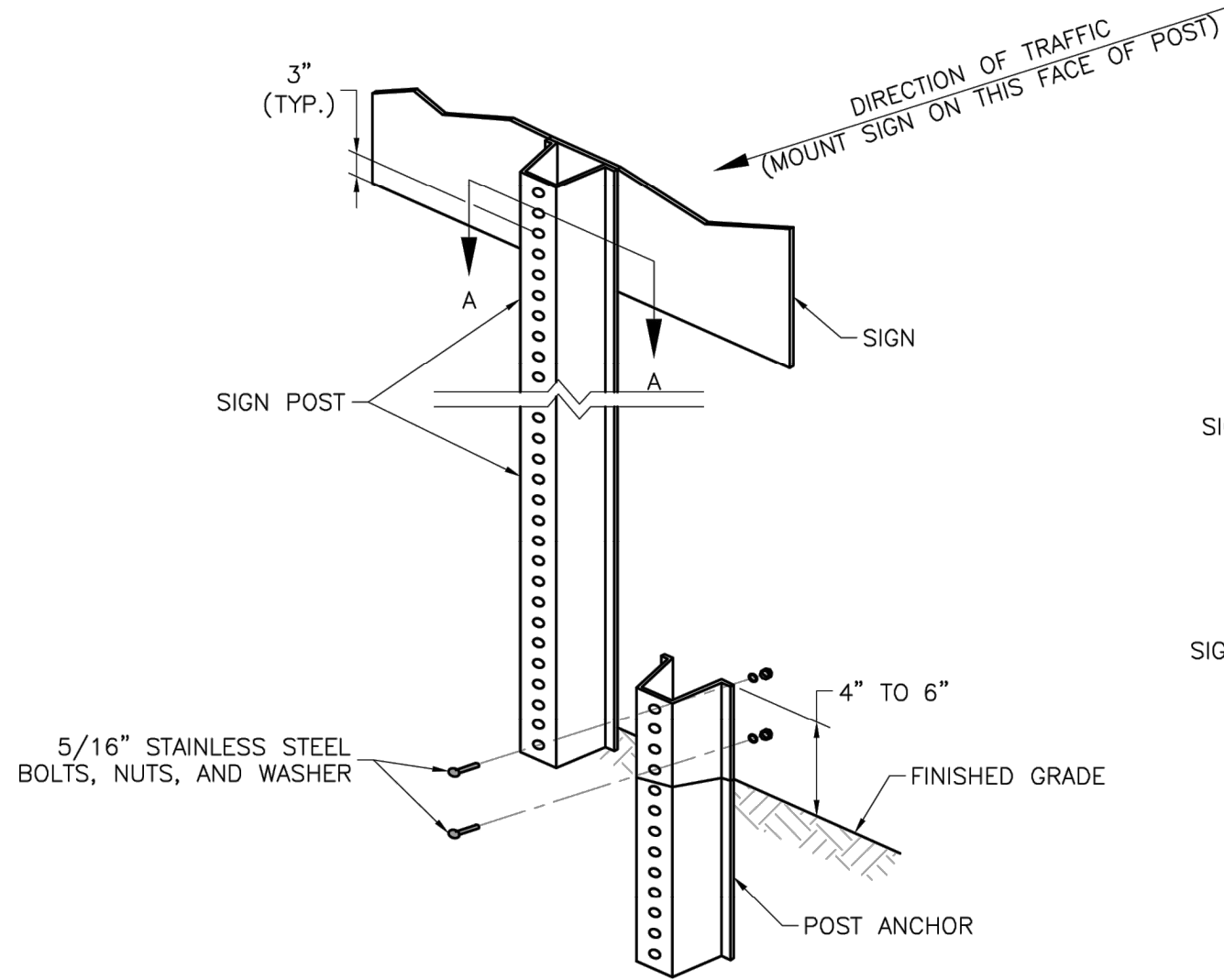
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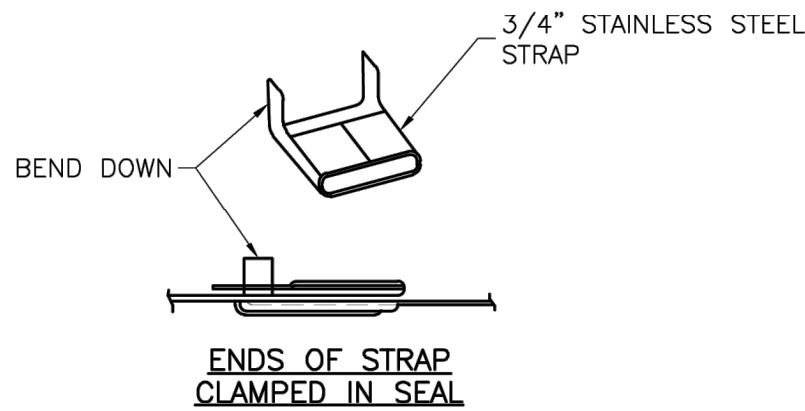
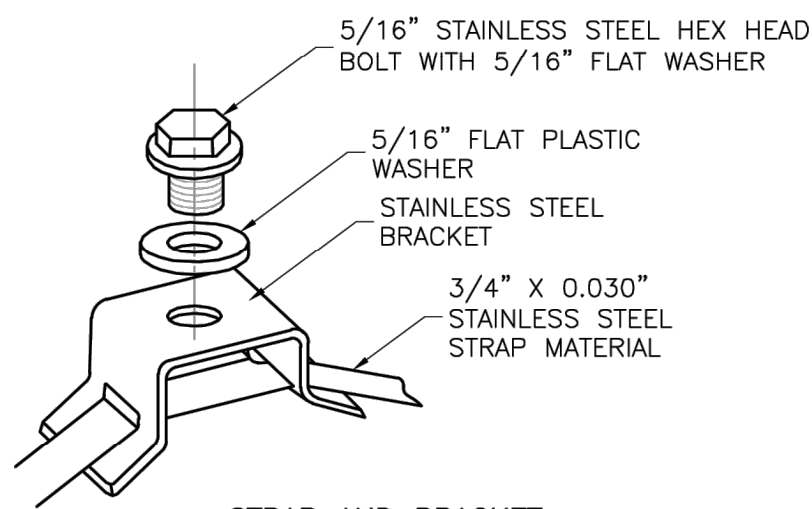
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U-STEEL POST DETAILS

NOTES:

1. SPLICE SHALL BE POSITIONED ENTIRELY BETWEEN FINISHED GRADE LINE AND 18" ABOVE FINISHED GRADE LINE. ONLY ONE SPLICE WILL BE ALLOWED PER POST.
2. U-STEEL POST SHALL BE 3 LB./FT., GALVANIZED ACCORDING TO ASTM A123.
3. U-STEEL POST CAN BE USED FOR INSTALLATION OF SIGNS WITH AN AREA OF LESS THAN 2.5 SQUARE FEET.
4. ALL POSTS SHALL BE EMBEDDED A MINIMUM OF 3 FEET.



STRAP TYPE SIGN SUPPORT DETAILS

NOTES:

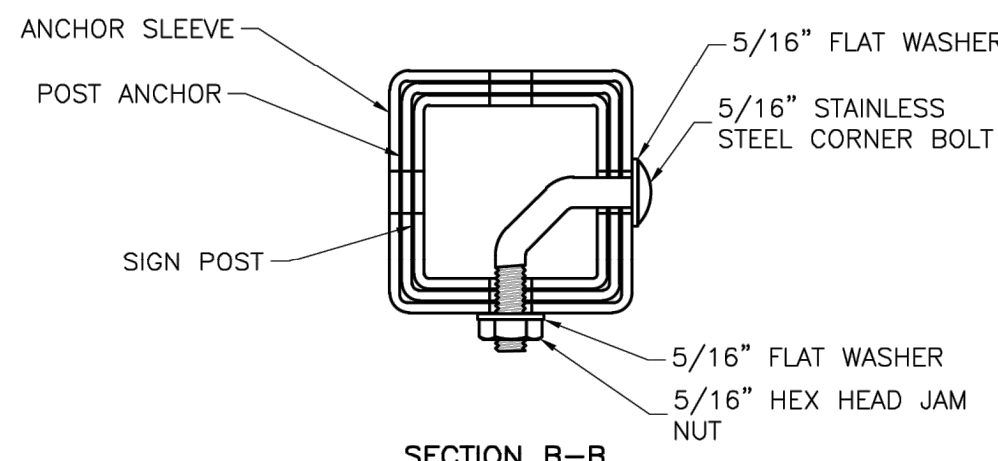
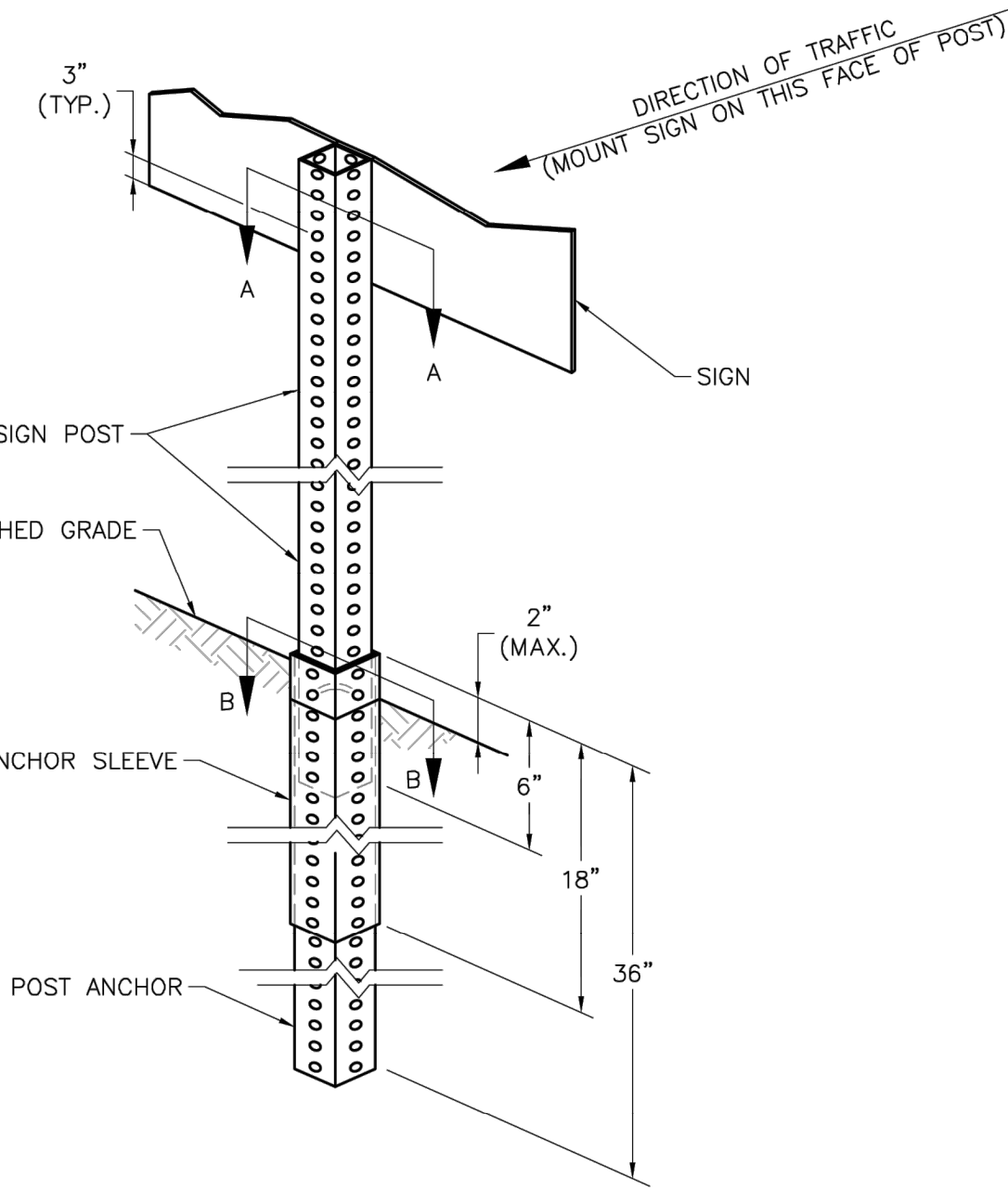
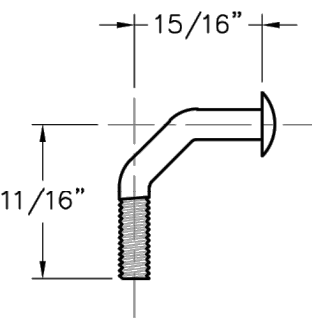
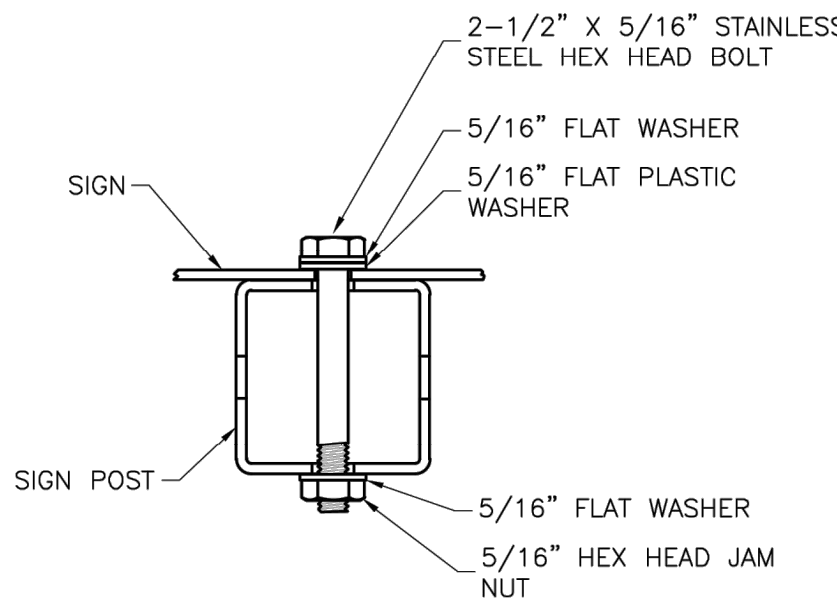
1. SIGNS ON METAL POLES SHALL BE ATTACHED WITH TWO BRACKETS AND STAINLESS STEEL BANDS.
2. HOLES IN SIGN FOR ATTACHMENT TO THE MOUNTING BRACKETS SHALL BE OFFSET A MINIMUM OF 2 INCHES FROM THE EDGE OF THE SIGN.
3. HOLES IN SIGN SHALL BE LOCATED SUCH THAT THE SIGN IS LEVEL.
4. ALL STRAP, BRACKET, AND SEAL MATERIALS SHOULD BE TYPE 201 STAINLESS STEEL.

PERMANENT SIGNING GENERAL NOTES:

1. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. THE CONTRACTOR IS RESPONSIBLE FOR AVOIDING ANY AND ALL UTILITIES WHEN INSTALLING SIGN POSTS, WHETHER THE UTILITY IS INDICATED ON THE PLANS OR NOT.
3. ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE PUBLIC WORKS DEPARTMENT OF THE CITY OF LEE'S SUMMIT.
4. THE CONTRACTOR SHALL STAKE THE LOCATION OF ALL SIGN POSTS TO BE INSTALLED. THE CITY INSPECTOR SHALL INSPECT THE STAKING PRIOR TO INSTALLATION. MINOR RELOCATION TO AVOID CONFLICTS MAY BE ALLOWED WITH THE APPROVAL OF THE CITY TRAFFIC ENGINEER.
5. SIGNS SHOWN TO BE INSTALLED ON THE SIDE OF METAL POLES SHALL BE MOUNTED WITH STAINLESS STEEL STRAPS OR WING BRACKETS AS DETAILED. NO SIGNS ARE TO BE INSTALLED ON WOOD POLES. SEE TRAFFIC SIGNAL STANDARD DRAWINGS FOR THE INSTALLATION OF SIGNS ON MAST ARMS.
6. ALL POST MOUNTED SIGNS SHALL BE INSTALLED WITH BREAKAWAY ANCHORS ACCORDING TO THE STANDARD DRAWINGS.
7. ALL EXISTING SIGNS WILL BE USED IN PLACE DURING CONSTRUCTION AND PROTECTED FROM DAMAGE UNLESS OTHERWISE INDICATED IN THE PLANS. IF THE CONTRACTOR DAMAGES ANY EXISTING SIGN OR POSTS DURING CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED TO REPLACE THE DAMAGED MATERIALS WITH NEW SIGNS OR POSTS AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND STORING ANY SIGNS THAT ARE TO BE REINSTALLED ON THE PROJECT. ALL EQUIPMENT SHALL BE REINSTALLED IN GOOD CONDITION.
8. EXISTING PERMANENT SIGNS AND POSTS REMOVED BY THE CONTRACTOR FOR CONSTRUCTION PURPOSES WHICH ARE NOT TO BE REINSTALLED SHALL BE DELIVERED TO THE CITY'S PUBLIC WORKS MAINTENANCE FACILITY (1971 SE HAMBLIN ROAD). THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND STORING EQUIPMENT IN GOOD CONDITION AND IS FULLY RESPONSIBLE FOR THE EQUIPMENT UNTIL IT IS DELIVERED.
9. ALL STOP, YIELD, OR STREET NAME SIGNS SHALL BE MAINTAINED IN A CONSPICUOUS LOCATION FOR THE DRIVING PUBLIC. ALL STOP AND YIELD SIGNS REMOVED FOR CONSTRUCTION PURPOSES CAN BE TEMPORARILY ERECTED IN REFLECTORIZED DRUMS (NO LESS THAN 7 FEET ABOVE THE PAVEMENT SURFACE) UNTIL THEY CAN BE REINSTALLED. ANY TEMPORARY STOP OR YIELD SIGN INSTALLATION TO BE LEFT IN PLACE OVERNIGHT WILL REQUIRE PRIOR APPROVAL FROM THE CITY INSPECTOR.

SQUARE STEEL POST INSTALLATION SEQUENCE:

1. SIGN POST ANCHOR DRIVEN PARTIALLY INTO THE GROUND USING A DRIVE CAP WITH A SLEDGE OR POWER EQUIPMENT.
2. ANCHOR SLEEVE SLIPPED OVER ANCHOR AND DRIVE INTO THE GROUND TOGETHER WITH THE SIGN POST ANCHOR.
3. INSERT SIGN POST INTO THE POST ANCHOR AND BOLT IN PLACE.



SQUARE STEEL POST DETAILS

NOTES:

1. SQUARE STEEL SIGN POSTS AND BREAK-AWAY ANCHOR SHALL CONSIST OF THE FOLLOWING MATERIALS:
SIGN POST - 14 GA. 2" X 2" SQUARE STEEL POST
POST ANCHOR - 12 GA. 2 1/2" X 2 1/2" X 36" SQUARE STEEL POST
ANCHOR SLEEVE - 12 GA. 2 1/2" X 2 1/2" X 18" SQUARE STEEL POST
2. 14 GA. POSTS MUST MEET A CERTIFIED MINIMUM YIELD STRENGTH OF 60,000 PSI.
3. IN ALL INSTALLATIONS THE FIRST HOLE ABOVE THE FINISHED GRADE LINE ON THE SIGN POST, ANCHOR, AND ANCHOR SLEEVE MUST BE IN LINE FOR THE INSERTION OF THE CORNER BOLT.
4. THE MAXIMUM AREA FOR ONE SIGN POST IS 9.0 SQUARE FEET. A SIGN OR COMBINATION OF SIGNS WITH AN AREA GREATER THAN 9.0 SQUARE FEET WILL REQUIRE TWO POSTS. ALSO, SIGNS WITH A WIDTH GREATER THAN OR EQUAL TO 48" (NOT INCLUDING 36" X 36" DIAMOND SHAPED SIGNS) WILL REQUIRE TWO POSTS.

LEE'S SUMMIT MISSOURI

STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT, JACKSON COUNTY, MO

POST DETAILS

Drawn By: BWC

Checked By: MP

Date: 01/2020

Proj. #:

SN-2

CITY
STANDARD
DETAILS

PROJECT NO.: 02-0183

MDG
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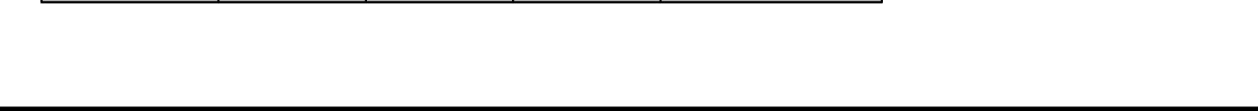
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POST DETAILS (SN-2)

SHEET NUMBER:

16



- 17

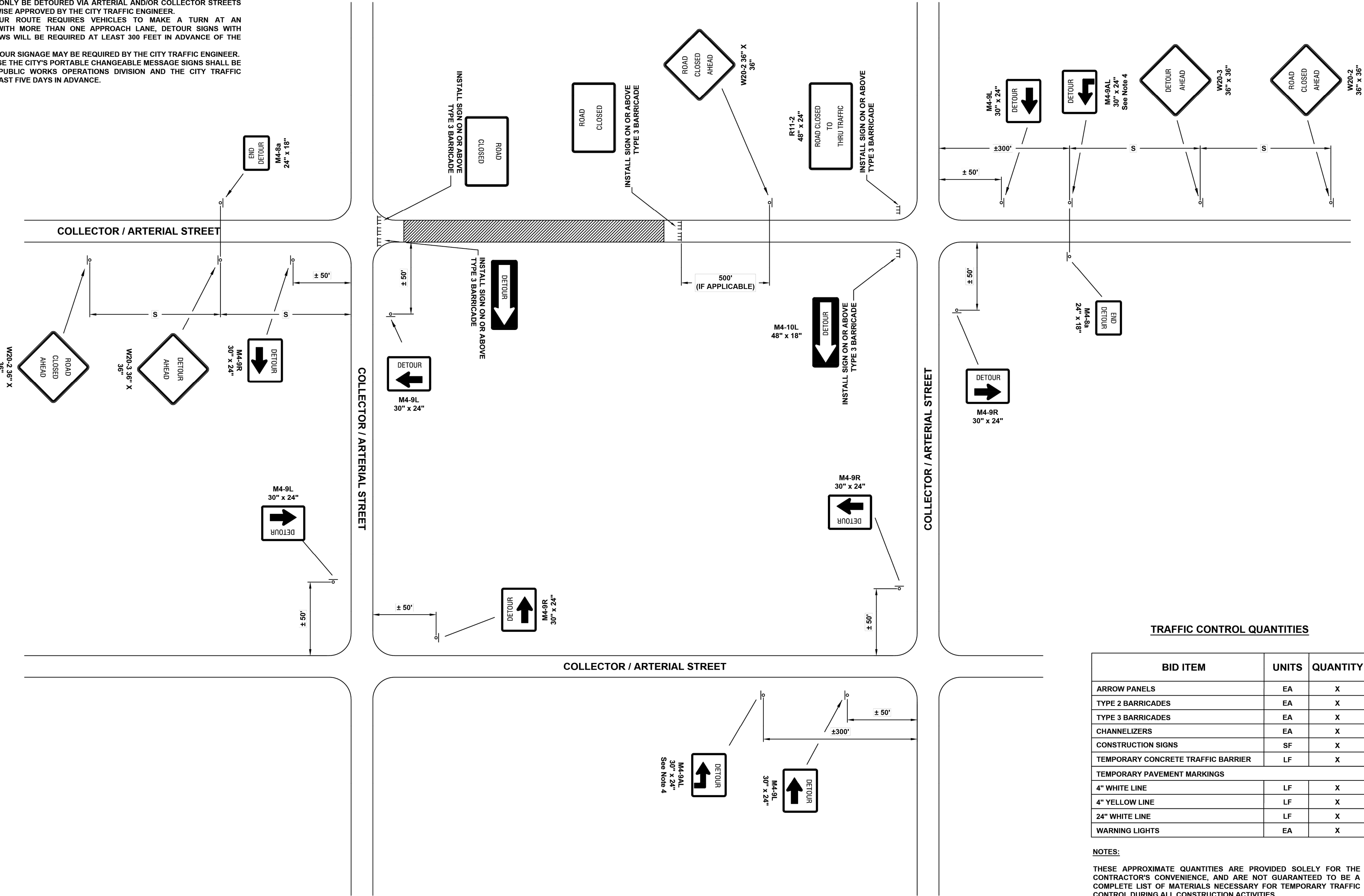
FILE LOCATION: \\desktop-himc8gp\\civil 3d projects-himc8gp\\civil 3d projects\\lee's summit, mo\\02-0183 DETAILS CITY.dwg TAB NAME:11 USRRakhol SAVED:4/16/2025 1:00 PM PLOTTED:4/25/2025 8:31 AM

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NOTES:

1. ALL SIGNS, BARRICADES, CHANNELIZERS, MARKINGS AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. DETOUR ROUTES ARE NOT REQUIRED TO BE POSTED FOR THE CLOSURE OF A LOCAL STREET.
3. TRAFFIC SHALL ONLY BE DETOURED VIA ARTERIAL AND/OR COLLECTOR STREETS UNLESS OTHERWISE APPROVED BY THE CITY TRAFFIC ENGINEER.
4. WHEN A DETOUR ROUTE REQUIRES VEHICLES TO MAKE A TURN AT AN INTERSECTION WITH MORE THAN ONE APPROACH LANE, DETOUR SIGNS WITH ADVANCE ARROWS WILL BE REQUIRED AT LEAST 300 FEET IN ADVANCE OF THE INTERSECTION.
5. ADDITIONAL DETOUR SIGNAGE MAY BE REQUIRED BY THE CITY TRAFFIC ENGINEER.
6. REQUESTS TO USE THE CITY'S PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE MADE TO THE PUBLIC WORKS OPERATIONS DIVISION AND THE CITY TRAFFIC ENGINEER AT LEAST FIVE DAYS IN ADVANCE.



LEE'S SUMMIT
MISSOURI



STANDARD DETAILS
PUBLIC WORKS ENGINEERING
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

TRAFFIC CONTROL DETAILS

DRAWN BY: CNS
CHECKED BY: MJF
DATE: 05/13/2024
PROJECT #:

TC-2

CITY
STANDARD
DETAILS

PROJECT NO.:02-0183

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TRAFFIC CONTROL DETAILS
(TC-2)

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