# **DOWNTOWN LEE'S SUMMIT APARTMENTS PUBLIC SANITARY SEWER IMPROVEMENTS** CITY OF LEE'S SUMMIT, MO **JACKSON COUNTY**

## <u>UTILITIES</u>

ELECTRIC – KCP&L	816-471-5275
TELEPHONE – AT&T	816-325-5607
GAS – SPIRE	816-756-5252
CABLE – CHARTER SPECTRUM	816-358-8833
WATER – LEE'S SUMMIT WATER UTILITIES	816-969-1900
SEWER – LEE'S SUMMIT PUBLIC WORKS	816-969-1800



### UTILITY NOTES:

VISUAL INDICATIONS OF UTILITIES ARE AS SHOWN. UNDERGROUND LOCATIONS SHOWN, AS FURNISHED BY THEIR LESSORS, ARE APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD AT THE TIME OF CONSTRUCTION. FOR ACTUAL FIELD LOCATIONS OF UNDERGROUND UTILITIES IN MISSOURI, CALL 811, or 1-800-344-7483. BE IT NOTED THAT ONLY PART OF THE UNDERGROUND TELEPHONE LINES WERE MARKED FOR THE SITE SURVEY AND THESE PLANS AS EVIDENCED BY TELEPHONE PEDESTALS WITHOUT CORRESPONDING UNDERGROUND CABLE. THE CONTRACTOR IS RESPONSIBLE TO LOCATE AND PROTECT THESE LINES THE SAME AS IF THEY HAD BEEN LOCATED AND SHOWN ON THESE PLANS.

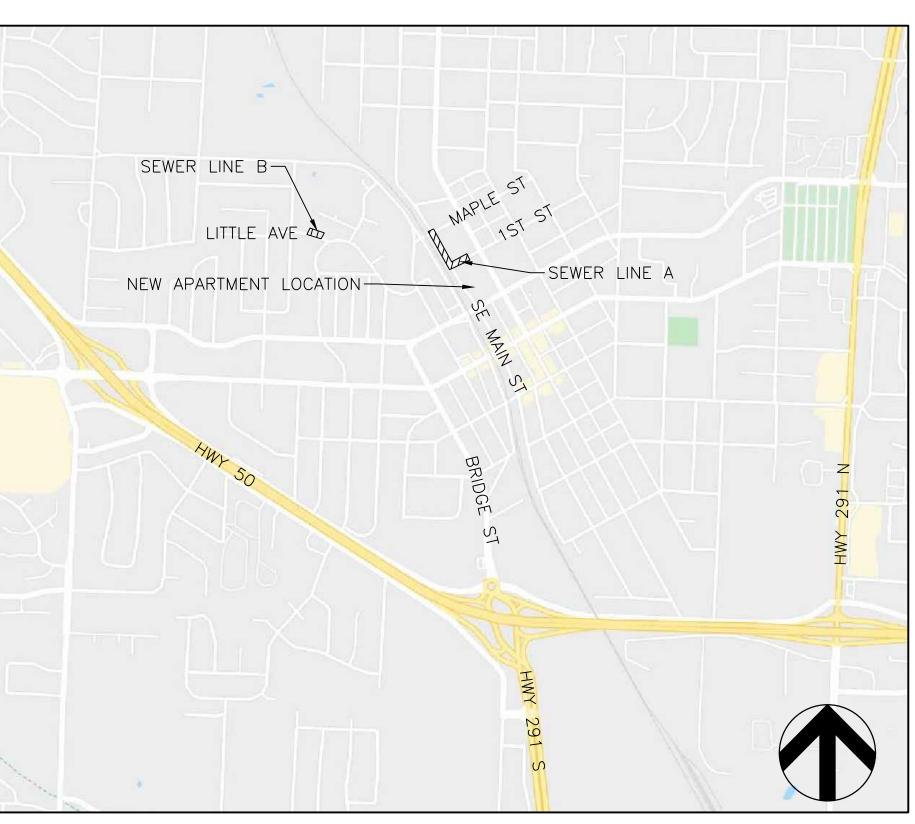
┣─	5	2

MISSOURI CERTIFICATE OF AUTHORITY #: 000856 10450 HOLMES ROAD, SUITE 600

HDR

KANSAS CITY, MO 64131 816-360-2700

			PROJECT MANAGER	
			CIVIL	M. WIEBELHAUS
2	03-23-20	CITY RESUBMITTAL		
1	12-31-19	CITY REVIEW		
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	10186909

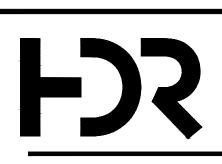


SITE LOCATION MAP N.T.S.

MARCH 2020 10186909



**DOWNTOWN LEE'S SUMMIT APARTMENTS** PUBLIC SANITARY SEWER IMPROVEMENTS **114 S.E. DOUGLAS STREET** LEE'S SUMMIT, MISSOURI



HDR Engineering, Inc.

MO. STATE CERTIFICATE OF AUTHORITY #000856

HOLMES ROAD, SUITE 600 CITY, MO 64131 PH: 816-360-2700 FX: 816-360-2777

# INDEX OF DRAWINGS

01 COVER SHEET 02 PUBLIC SEWER LINE A - PLAN & PROFILE 03 PUBLIC SEWER LINE B - PLAN & PROFILE 04 MISCELLANEOUS DETAILS 05 MISCELLANEOUS DETAILS 06 MISCELLANEOUS DETAILS

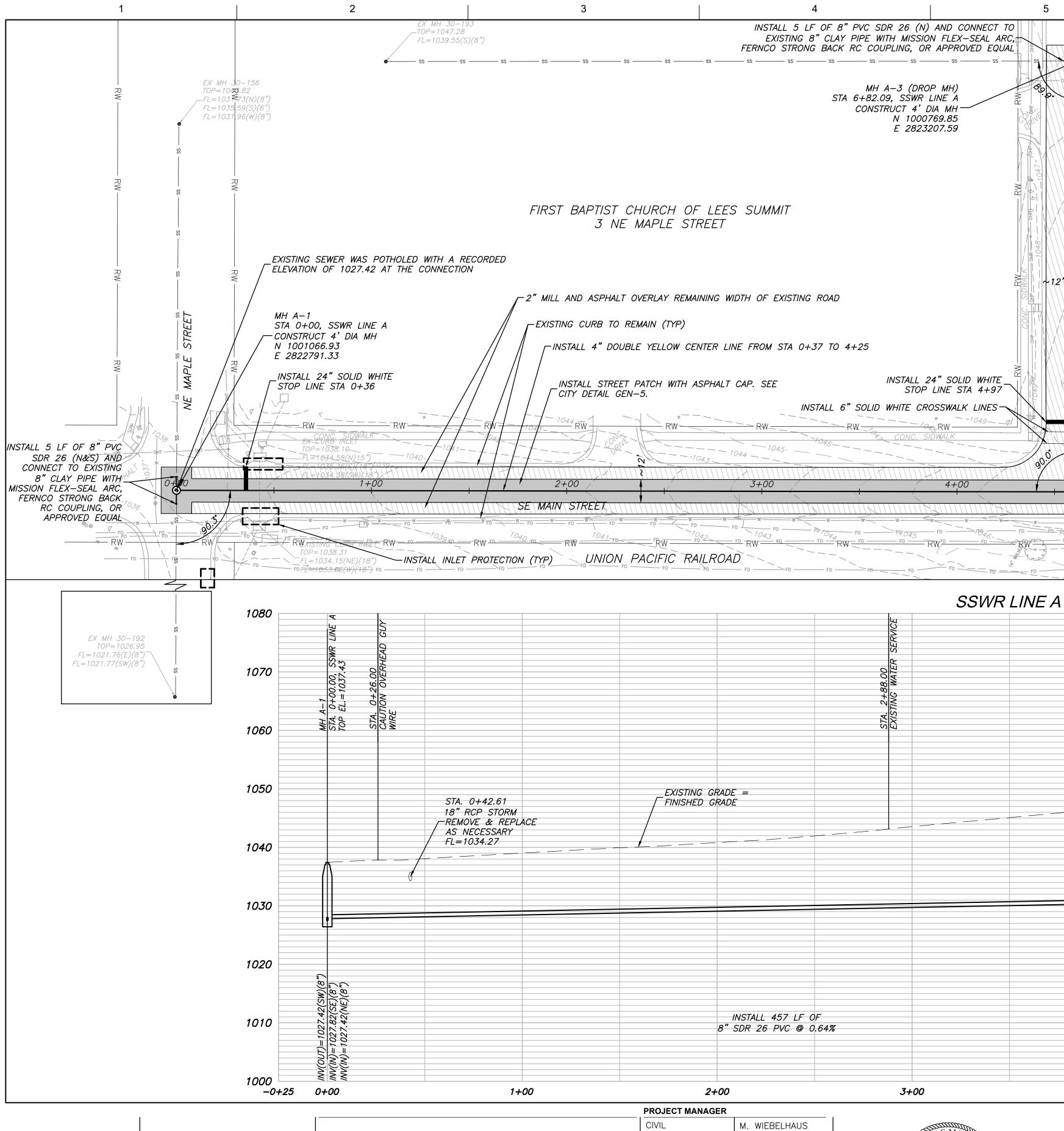




# **COVER SHEET**

**FILENAME** 10186909-Cover.dwg SCALE AS NOTED

SHEET 01



HDR MISSOURI CERTIFICATE OF AUTHORITY #: 000856

10450 HOLMES ROAD, SUITE 600 KANSAS CITY, MO 64131 816-360-2700

2	03-23-20	CITY RESUBMITTAL
1	12-31-19	CITY REVIEW
ISSUE	DATE	DESCRIPTION

	4		5		6	
EXISTII	NG 8" CLAY PIPE WITH	26 (N) AND CONNECT MISSION FLEX—SEAL A LING, OR APPROVED EQU		s s s s s s s s s s s s s s s s s s s	$ING_{6}MH 30 - 195 TOP = 1044.89 = 1038.15(N)(8") 37Solution (1000)37$	
	STA 6+82.09, CONSTRU	-3 (DROP MH) SSWR LINE A ICT 4' DIA MH N 1000769.85 E 2823207.59	MU OHP OH		CONVECT NEW 8"	
			RW		FL=1033.35 SEE DEVELOPMENT FOR CONNECTION (SUBMITTED SEPAR)	™ ATELY) —
IURCH OF LEES SUMMIT 1APLE STREET			ан		SEE DEVELOPMENT PLANS F CURB AND SIDEWALK MODIFI (SUBMITTED SEPARATELY)	
VERLAY REMAINING WIDTH OF EXIS	TING ROAD		MANUS	SS ≸ LE	PROPOSED DOWNTOV E'S SUMMIT APARTMI 14 SE DOUGLAS STR	ENTS
IAIN (TYP) <sup>-</sup> YELLOW CENTER LINE FROM STA	0+37 TO 4+25			0 640	STA 5+39.13 CONNECT NEW 6" SE	≥ ⊻ <i>RVICE</i>
ATCH WITH ASPHALT CAP. SEE 5.	INSTALL 6" SOLID W	ISTALL 24" SOLID WHITE STOP LINE STA 4+97 HITE CROSSWALK LINES	000	RW	FL=1032.56 SEE SHEET DEVELOP FOR CONNECTION (SUBMITTED SEPARAT	
RW = RW = 1045 - 1045 - 1043 = 1044 = 1045 - 1043 = 100000000000000000000000000000000000		CONC. SIDWALK	30.0			BL
		4+00 		ASPHAT	MH A-2 STA 4+61.27, SSWR LINE A CONSTRUCT 4' DIA MH N 1000663.12 E 2823014.28	
$= \frac{1043}{1043}$	FO FO FO FO FO	W = W = W $FO' 045$ $FO = 769_{46}$ FO = RWF0 = FO	FO FO FO FO FO FO			
F0 F0 F0 F0 F0		F0 F	FO FO	FO		

SSWR LINE A

PROJECT MANAG		MITCHELL		
2-	+00	3+00	4+00	≷ ≷ 5+00
	8" SDR 26 PVC @ 0.	64%	Image:	$\frac{NV(OUT) = 1030.75(NW)(8}{NV(1N) = 1031.15(NE)(8")}$
	INSTALL 457 LF 0 8" SDR 26 PVC @ 0.		Image: set of the set of th	30.75(NW)(8") 1.15(NE)(8")
EXISTING G	RADE =			
		STA. 2+88.00 EXISTING WATER SERVICE	Image: section of the sectio	MH A-2 STA. 4+61.27, SSWR LINE TOP EL.=1048.04

10186909



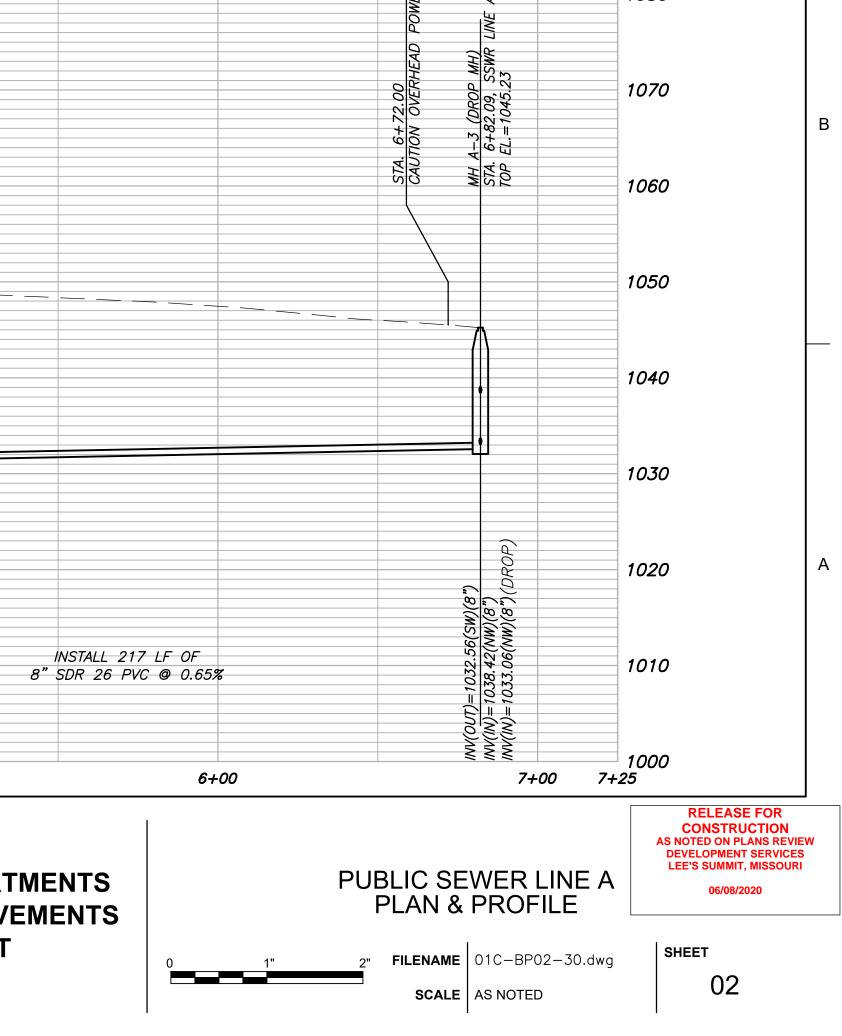
# **PUBLIC SANITARY SEWER IMPROVEMENTS** 114 S.E. DOUGLAS STREET LEE'S SUMMIT, MISSOURI

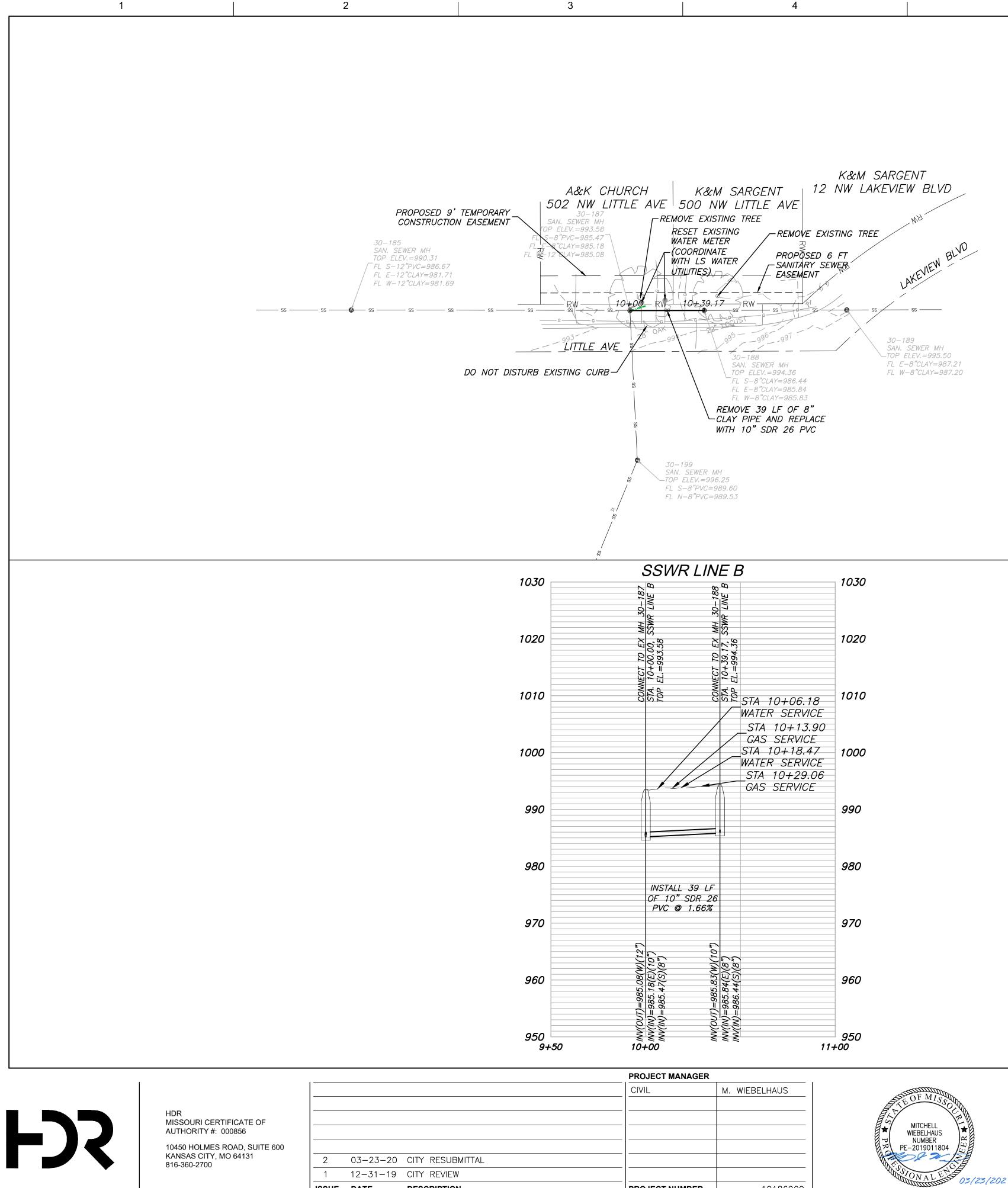
マ

		7				8
	<u>GE</u> I	<u>NERAL_NOTES:</u>				
HORZ. SCALE: 1"=30'	1.	APPLICABLE STANDA DEPARTMENT OF THE METROPOLITAN CHAP	RDS ANI E CITY ( PTER OF	D SPE DF LEE THE J	CIFICATIONS OF E'S SUMMIT, THI AMERICAN PUBL	SHALL CONFORM TO ALL THE PUBLIC WORKS E KANSAS CITY IC WORKS ASSOCIATION TURAL RESOURCES (MDNR).
VERT. SCALE: 1"=10'	<i>2</i> .	ALL WORKMANSHIP / INSPECTION AND AP				IBJECT TO THE 'S SUMMIT, MISSOURI.
	3.	FROM INFORMATION	AVAILABI N OF AI	LE, IT LL UTI	IS THE CONTRA LITIES (WHETHEI	NGS WERE DEVELOPED ACTORS RESPONSIBILITY TO R SHOWN OR NOT) AND
	4.	NUMBER 583, 78TH THE BILL REQUIRES PUBLIC RIGHT-OF-V	GENERA THAT AI VAY DO TON FRO	AL ASS NY PEI SO OI DM, UT	SEMBLY OF THE RSON OR FIRM NLY AFTER GIVIN	IONS OF THE STATE BILL STATE OF MISSOURI. DOING EXCAVATION ON NG NOTICE TO, AND S. STATE LAW REQUIRES
		THE CONTRACTOR M. NUMBER PROVIDED PHONE NUMBER IS MISSOURI.	BY "MIS	SOURI	ONE CALL SYS	
			инісн н	IAVE F.	ACILITIES IN TH	RACTOR SHALL NOTIFY ALL E NEAR VICINITY OF THE
	5.	ADJACENT AND DOW	'NSTREAN DURING	M PRO ALL P	PERTY OWNERS HASES OF CON	PACTOR TO PROTECT THE FROM STORM WATER, STRUCTION, AND SHALL
	6.	LOCAL ACCESS TO A	ALL PRO	PERTIE	ES SHALL BE M	AINTAINED AT ALL TIMES.
	7.	OR GAS MAINS HOR THE EXISTING MAIN(S	IZONTALI 5). IF AI SUPPORT	LY ANL PPLICA TING A	D VERTICALLY W NBLE THE CONTI NY WATER MAIN	ORTING ANY WATER MAINS HEN CROSSING UNDER RACTOR WILL BE OR GAS MAIN LATERALLY,
	8.	CONTRACTOR MUST PRIOR TO ANY EXCA				
	9.	AND PROTECTED DU CONTRACTOR'S RESP AND NOTIFY THE CIT THE CONTRACTOR SI	RING CO PONSIBIL TY'S REI HALL BE FOR FIE Y EXCAV C CONTR	DNSTRU ITY TO PRESEN HELD LD LO /ATION.	UCTION OPERATI LOCATE ALL E NTATIVE OF ANY RESPONSIBLE CATION OF ALL UTILITIES DAM	PAIRED AT THE
			POWER		Z Z	1080
				2	K LINI	
			.72.00 OVERHEAD	P MH	SSWi 23	1070
			- 72.0 1 OVE	(DRO	32.09, = 1045	
			4. 6+ UTION	A-3	. 6+8 EL.=	
			STA. CAU	НМ	STA. TOP	1060
						1050
				_	<b>\</b>	

D

С





ISSUE	DATE	DESCRIPTION
1	12-31-19	CITY REVIEW
2	03-23-20	CITY RESUBMITTAL

CIVIL	M. WIEBELHAUS
PROJECT NUMBER	10186909

**DOWNTOWN LEE'S SUMMIT APARTMENTS PUBLIC SANITARY SEWER IMPROVEMENTS 114 S.E. DOUGLAS STREET** LEE'S SUMMIT, MISSOURI

6





HORZ. SCALE: 1"=30' VERT. SCALE: 1"=10'

**GENERAL NOTES:** 1. THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO ALL APPLICABLE STANDARDS AND SPECIFICATIONS OF THE PUBLIC WORKS DEPARTMENT OF THE CITY OF LEE'S SUMMIT, THE KANSAS CITY METROPOLITAN CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA), AND THE MISSOURI DEPARTMENT OF NATURAL RESOURCES (MDNR).

8

- 2. ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE CITY OF LEE'S SUMMIT, MISSOURI.
- 3. THE UTILITY LOCATIONS SHOWN ON THESE DRAWINGS WERE DEVELOPED FROM INFORMATION AVAILABLE, IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES (WHETHER SHOWN OR NOT) AND PROTECT SAID UTILITIES FROM ANY DAMAGE.
- 4. THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS OF THE STATE BILL NUMBER 583, 78TH GENERAL ASSEMBLY OF THE STATE OF MISSOURI. THE BILL REQUIRES THAT ANY PERSON OR FIRM DOING EXCAVATION ON PUBLIC RIGHT-OF-WAY DO SO ONLY AFTER GIVING NOTICE TO, AND OBTAINING INFORMATION FROM, UTILITY COMPANIES. STATE LAW REQUIRES 48 HOURS ADVANCE NOTICE.

THE CONTRACTOR MAY ALSO UTILIZE THE FOLLOWING TOLL FREE PHONE NUMBER PROVIDED BY "MISSOURI ONE CALL SYSTEM, INC.": 811. THIS PHONE NUMBER IS APPLICABLE ANYWHERE WITHIN THE STATE OF MISSOURI.

PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL NOTIFY ALL THOSE COMPANIES WHICH HAVE FACILITIES IN THE NEAR VICINITY OF THE CONSTRUCTION TO BE PERFORMED.

- 5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT THE ADJACENT AND DOWNSTREAM PROPERTY OWNERS FROM STORM WATER. SILT AND EROSION DURING ALL PHASES OF CONSTRUCTION, AND SHALL KEEP THE STREETS CLEAN OF MUD AND DEBRIS.
- 6. LOCAL ACCESS TO ALL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORTING ANY WATER MAINS OR GAS MAINS HORIZONTALLY AND VERTICALLY WHEN CROSSING UNDER THE С EXISTING MAIN(S). IF APPLICABLE THE CONTRACTOR WILL BE RESPONSIBLE FOR SUPPORTING ANY WATER MAIN OR GAS MAIN LATERALLY, WHILE WORKING ALONGSIDE ANY MAIN(S).
- 8. CONTRACTOR MUST COORDINATE THE BRACING OF ALL UTILITY POLES PRIOR TO ANY EXCAVATION WITHIN 10 FEET OF A POLE.
- 9. ALL UTILITY AND SANITARY SERVICE LINES SHALL BE KEPT IN SERVICE AND PROTECTED DURING CONSTRUCTION OPERATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL EXISTING SERVICE LINES, AND NOTIFY THE CITY'S REPRESENTATIVE OF ANY CONFLICTS IMMEDIATELY. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR FIELD LOCATION OF ALL UNDERGROUND UTILITY LINES PRIOR TO ANY EXCAVATION. UTILITIES DAMAGED THROUGH THE NEGLIGENCE OF THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

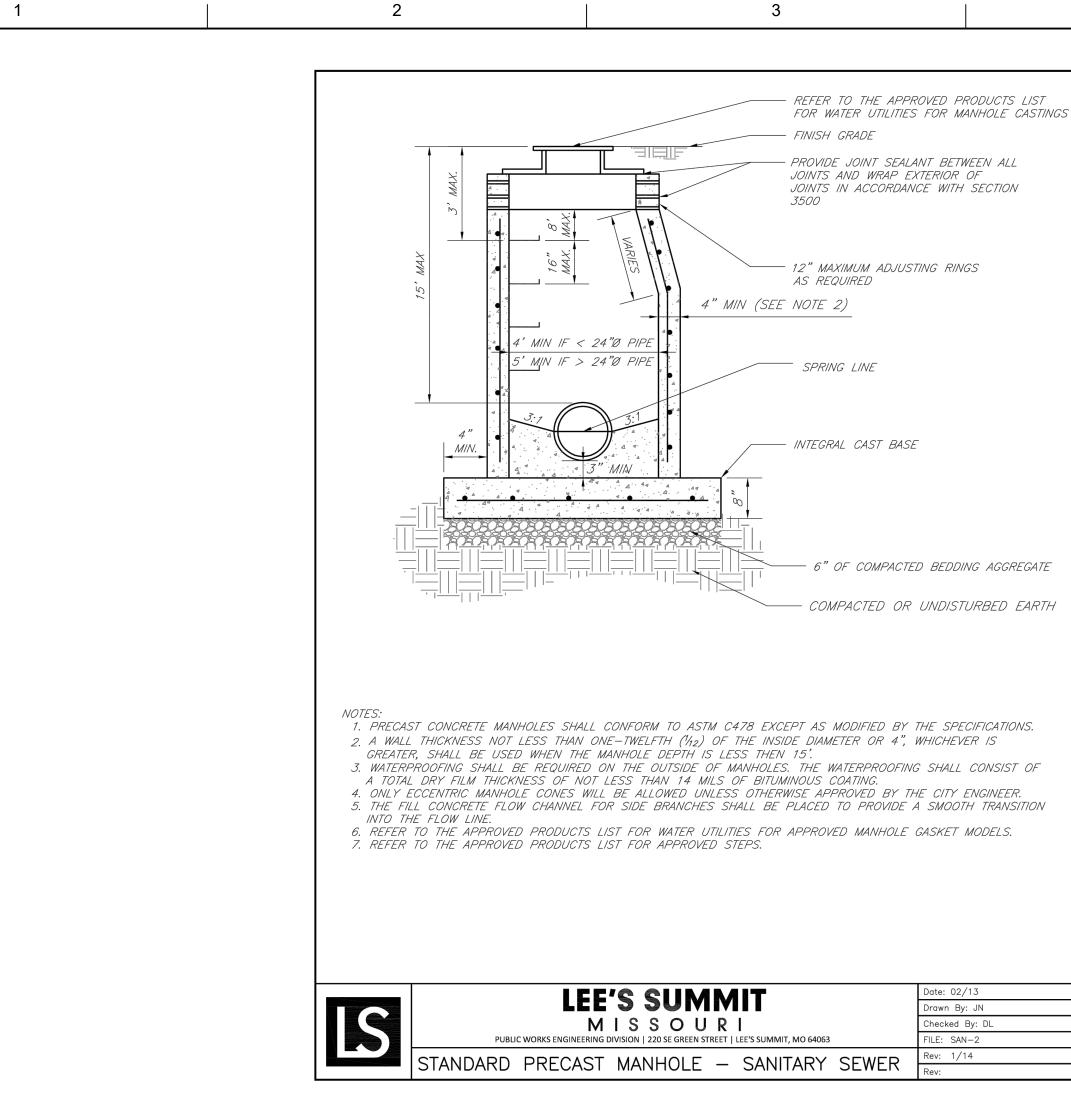
D





FILENAME 01C-BP02-30.dwg SCALE AS NOTED

SHEET 03



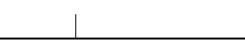
N.T.S.

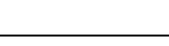
12"-

HDR MISSOURI CERTIFICATE OF AUTHORITY #: 000856

10450 HOLMES ROAD, SUITE 600 KANSAS CITY, MO 64131 816-360-2700

ISSUE	DATE	DESCRIPTION
1	12-31-19	CITY REVIEW
2	03-23-20	CITY RESUBMITTAL

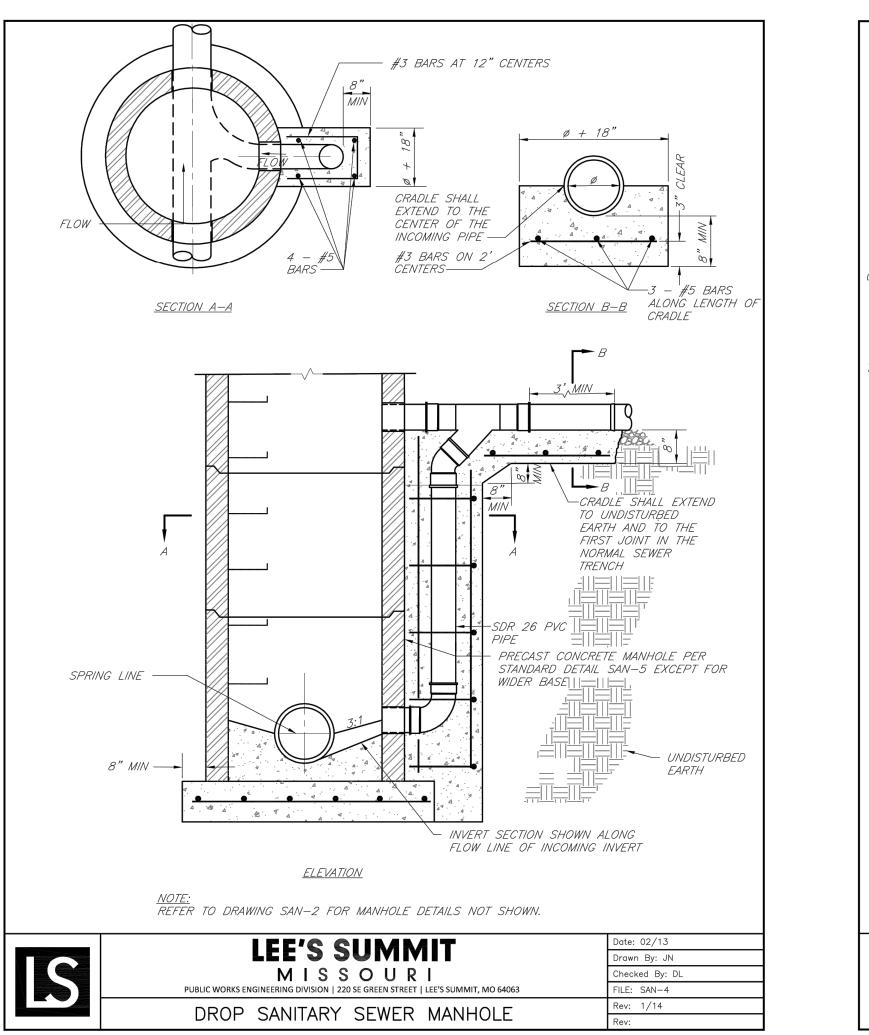




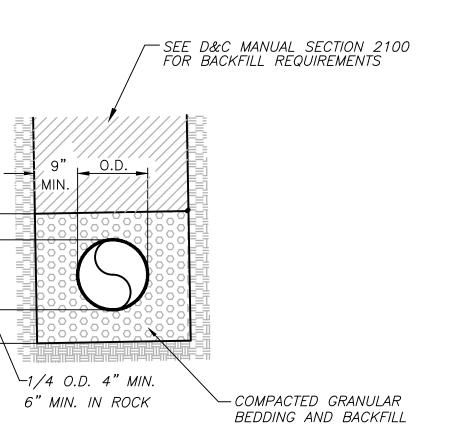


3

	Date: 02/13	
Drawn By: JN		
Checked By: DL		
	FILE: SAN-2	
/ER	Rev: 1/14	
ER	Rev:	



5



<u>PVC PIPE</u>

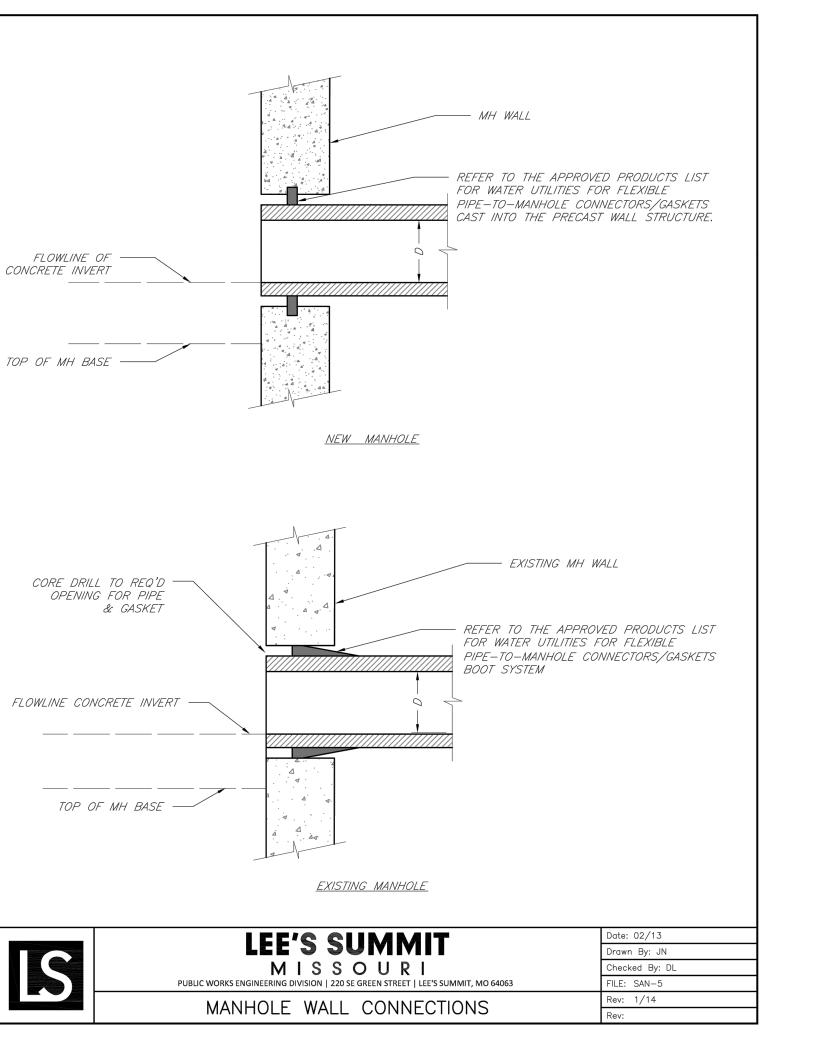
## PIPE INSTALLATION DETAILS

PROJECT MANAGER	
CIVIL	M. WIEBELHAUS
PROJECT NUMBER	10186909



DOWNTOWN LEE'S SUMMIT APARTMENTS PUBLIC SANITARY SEWER IMPROVEMENTS **114 S.E. DOUGLAS STREET** LEE'S SUMMIT, MISSOURI





**RELEASE FOR** CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 06/08/2020



# MISCELLANEOUS DETAILS

**FILENAME** 01C-BP02-30.dwg

SCALE AS NOTED

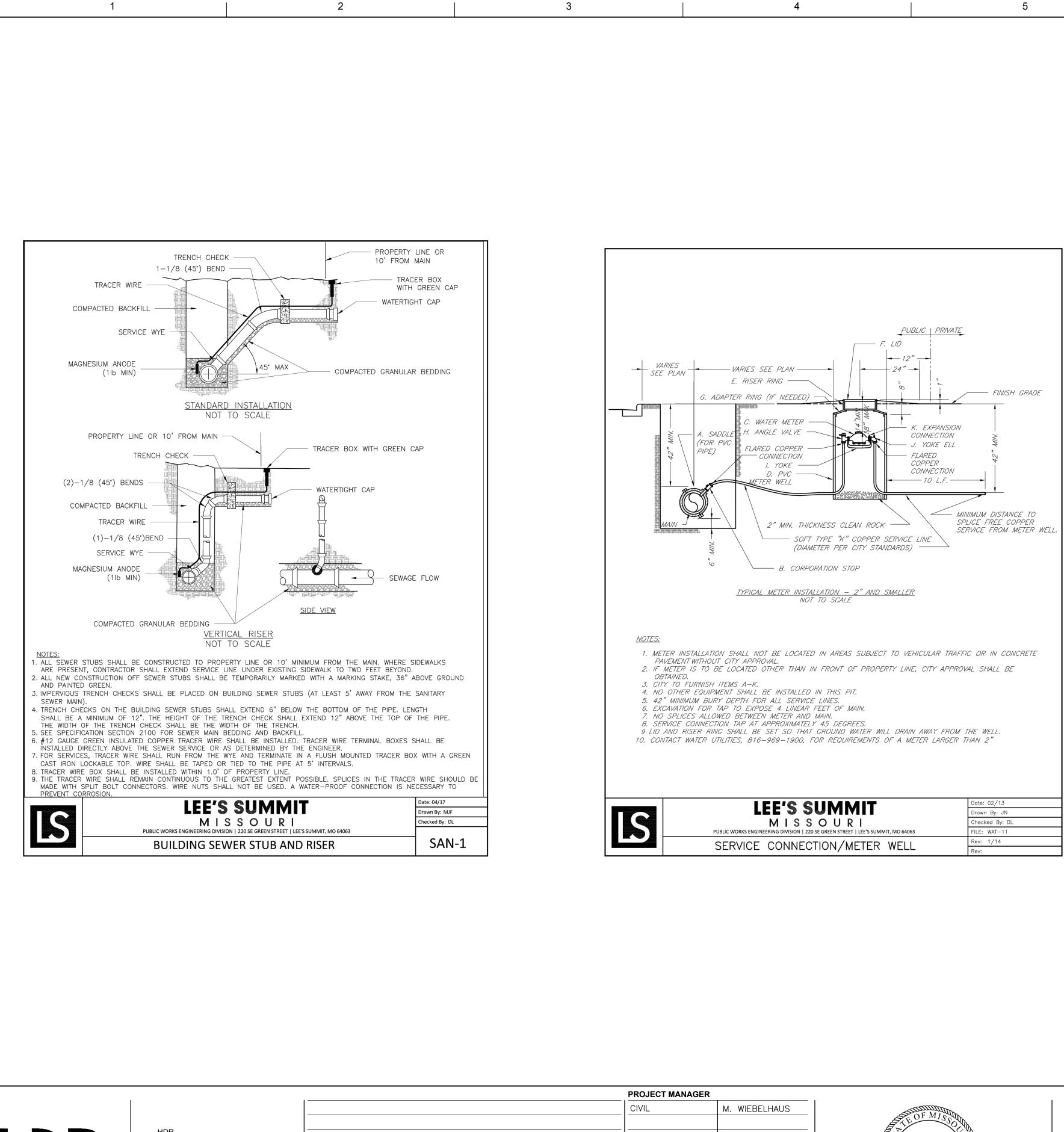
SHEET

04

D

С

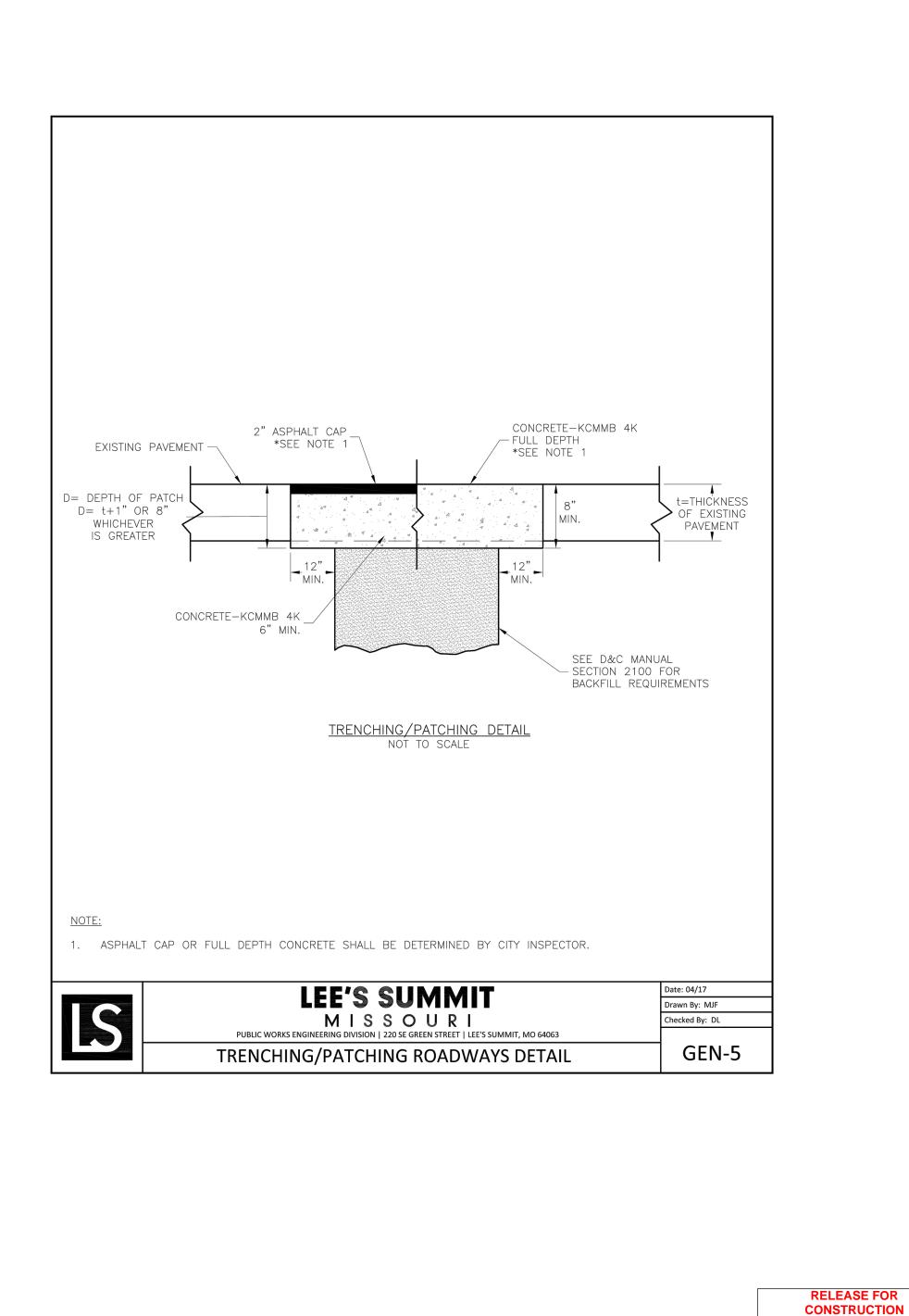
Α



HDR
MISSOURI CERTIFICATE OF
AUTHORITY #: 000856

10450 HOLMES ROAD, SUITE 600 KANSAS CITY, MO 64131 816-360-2700

ISSUE	DATE	DESCRIPTION
1	12-31-19	CITY REVIEW
2	03-23-20	CITY RESUBMITTAL



7

PROJECT MANAGER		
CIVIL	M. WIEBELHAUS	
PROJECT NUMBER	10186909	



DOWNTOWN LEE'S SUMMIT APARTMENTS PUBLIC SANITARY SEWER IMPROVEMENTS **114 S.E. DOUGLAS STREET** LEE'S SUMMIT, MISSOURI





# MISCELLANEOUS DETAILS

FILENAME 01C-BP02-30.dwg

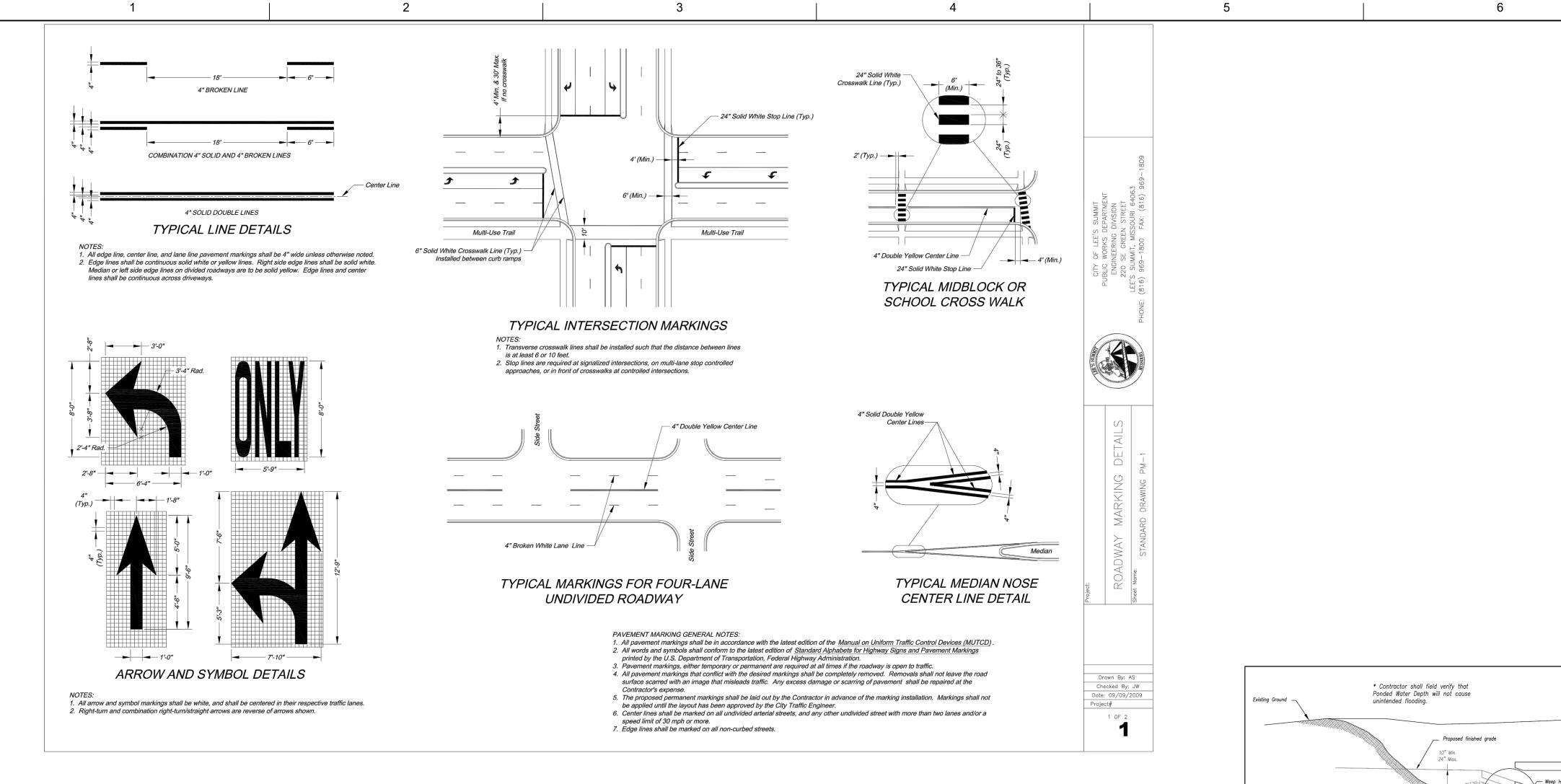
SCALE AS NOTED

SHEET 05 Α

D

8

С

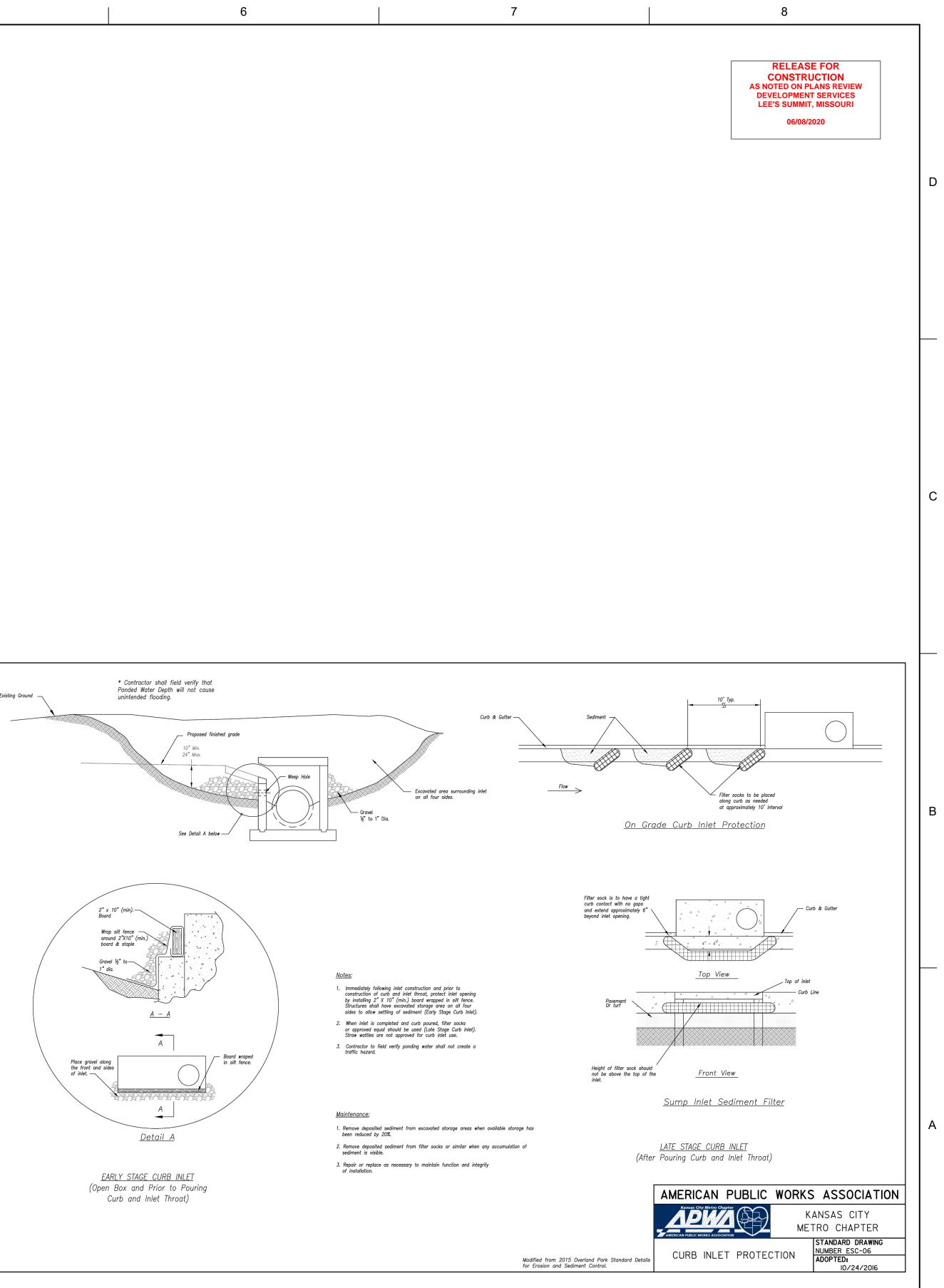


HDR	
MISSOURI CERTIFICATE OF	
AUTHORITY #: 000856	

**FJS** 

10450 HOLMES ROAD, SUITE 600 KANSAS CITY, MO 64131 816-360-2700

2	03-23-20	CITY RESUBMITTAL
1	12-31-19	CITY REVIEW
ISSUE	DATE	DESCRIPTION



PROJECT MANAGER	
CIVIL	M. WIEBELHAUS
PROJECT NUMBER	10186909
PROJECT NUMBER	10186909



# **MENTS EMENTS**

# MISCELLANEOUS DETAILS

SCALE AS NOTED

FILENAME 01C-BP02-30.dwg

SHEET 06