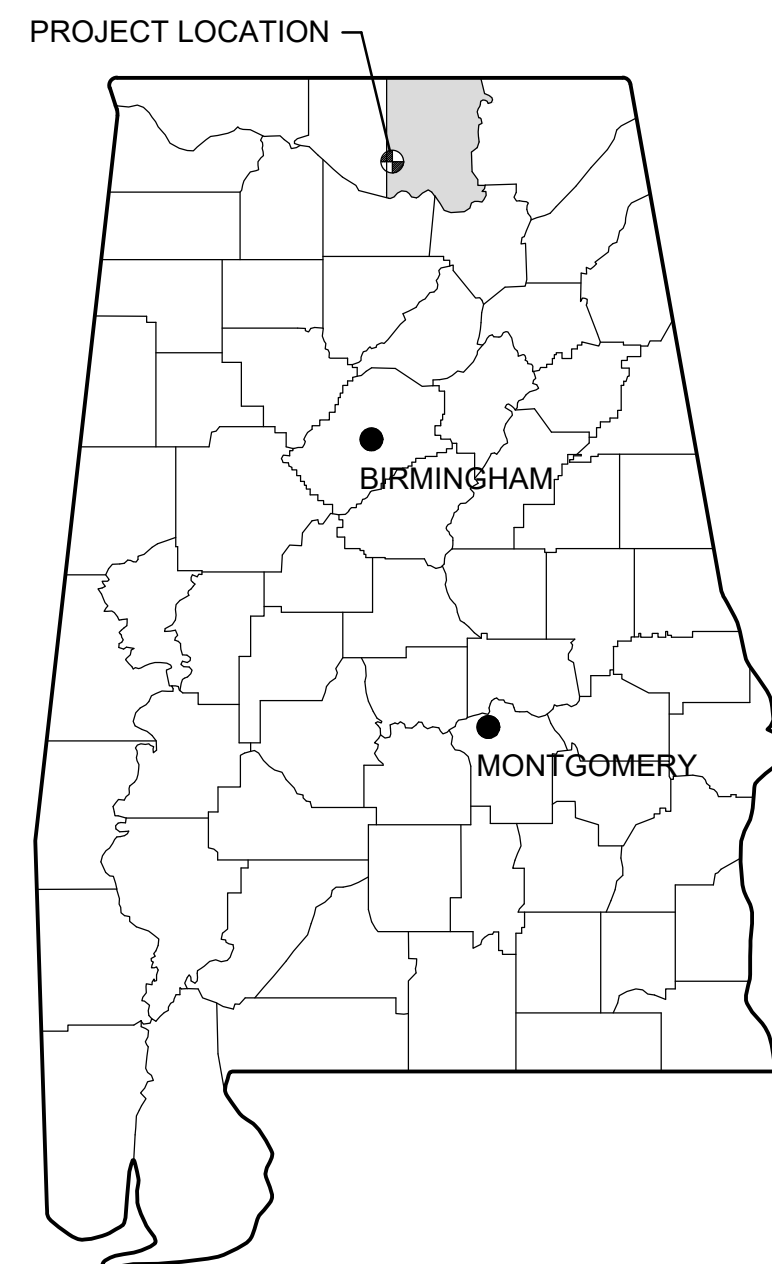


WESTERN INTERCEPTOR FROM MH-97 TO MH-127

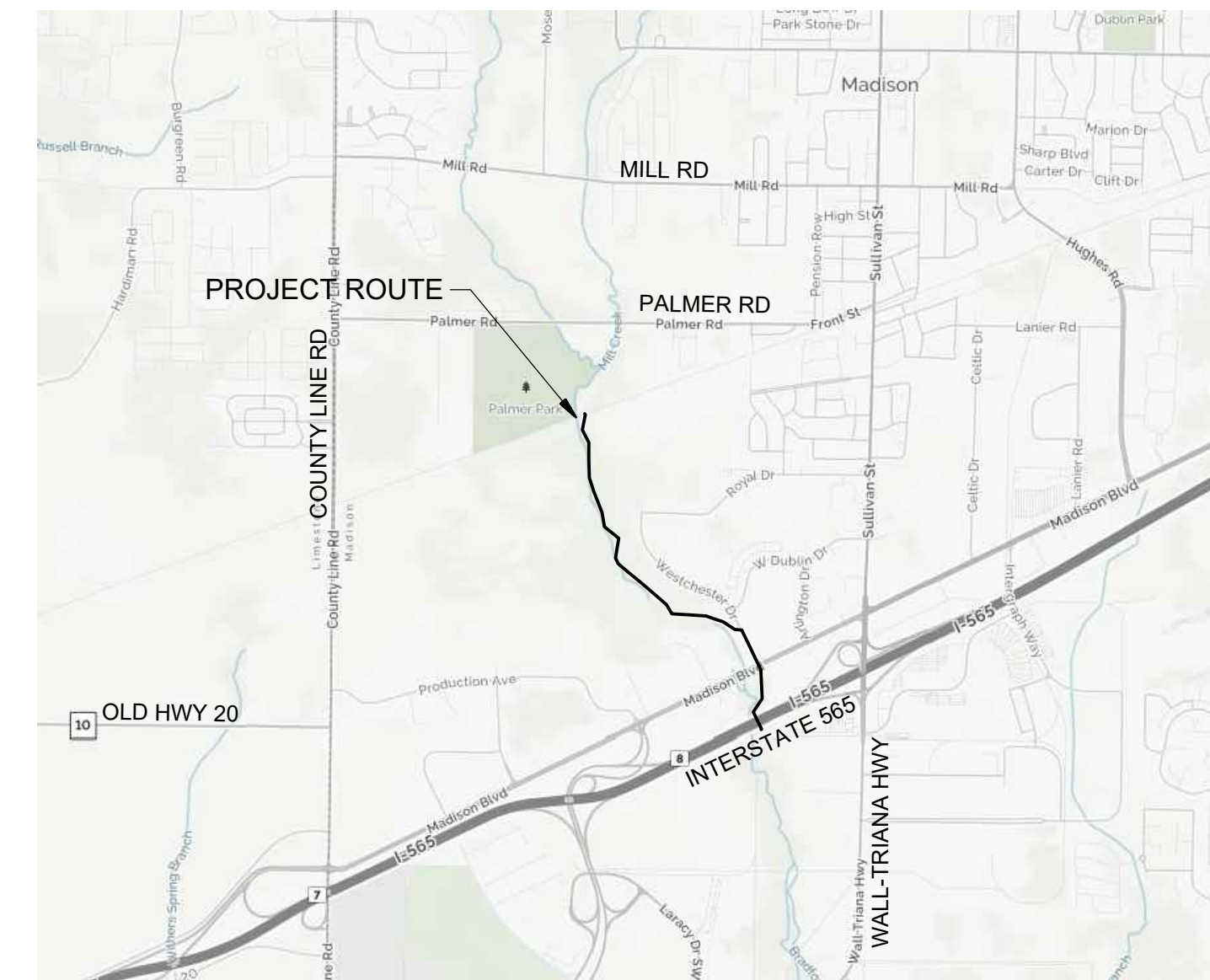
MADISON UTILITIES



LOCATION MAP



MAY 2020

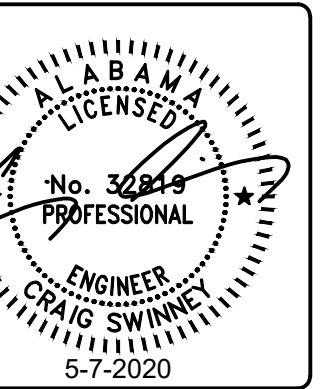


VICINITY MAP

WASTEWATER COLLECTION/WATER DISTRIBUTION SYSTEM
REQUIRED SIGNATURES FOR CONSTRUCTION PLANS:

	SUBMITTED FOR APPROVAL:	MADISON UTILITIES:
	 ENGINEER	 MADISON UTILITIES ENGINEER
	N/A	 GENERAL MANAGER
	DEVELOPER	

"CONSTRUCTION SPECIFICATIONS FOR WATER AND SANITARY SEWER" LATEST EDITION AS ADOPTED BY MADISON UTILITIES (MU), IS HEREBY MADE A PART OF THESE PLANS. CONTRACTOR SHALL CONTACT MU TO SCHEDULE A PRE-CONSTRUCTION MEETING PRIOR TO THE START OF ANY WATER OR SEWER CONSTRUCTION.



NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	AS-BID	CONSTRUCTION REVISIONS	AS-BUILT
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

MADISON UTILITIES
MADISON, AL
WESTERN INTERCEPTOR
FROM MH-97 TO MH-127

COVER SHEET,
LOCATION MAP, &
VICINITY MAP

BOX IS 2 IN WIDE
AT FULL SCALE

JOB NO: MU-1930

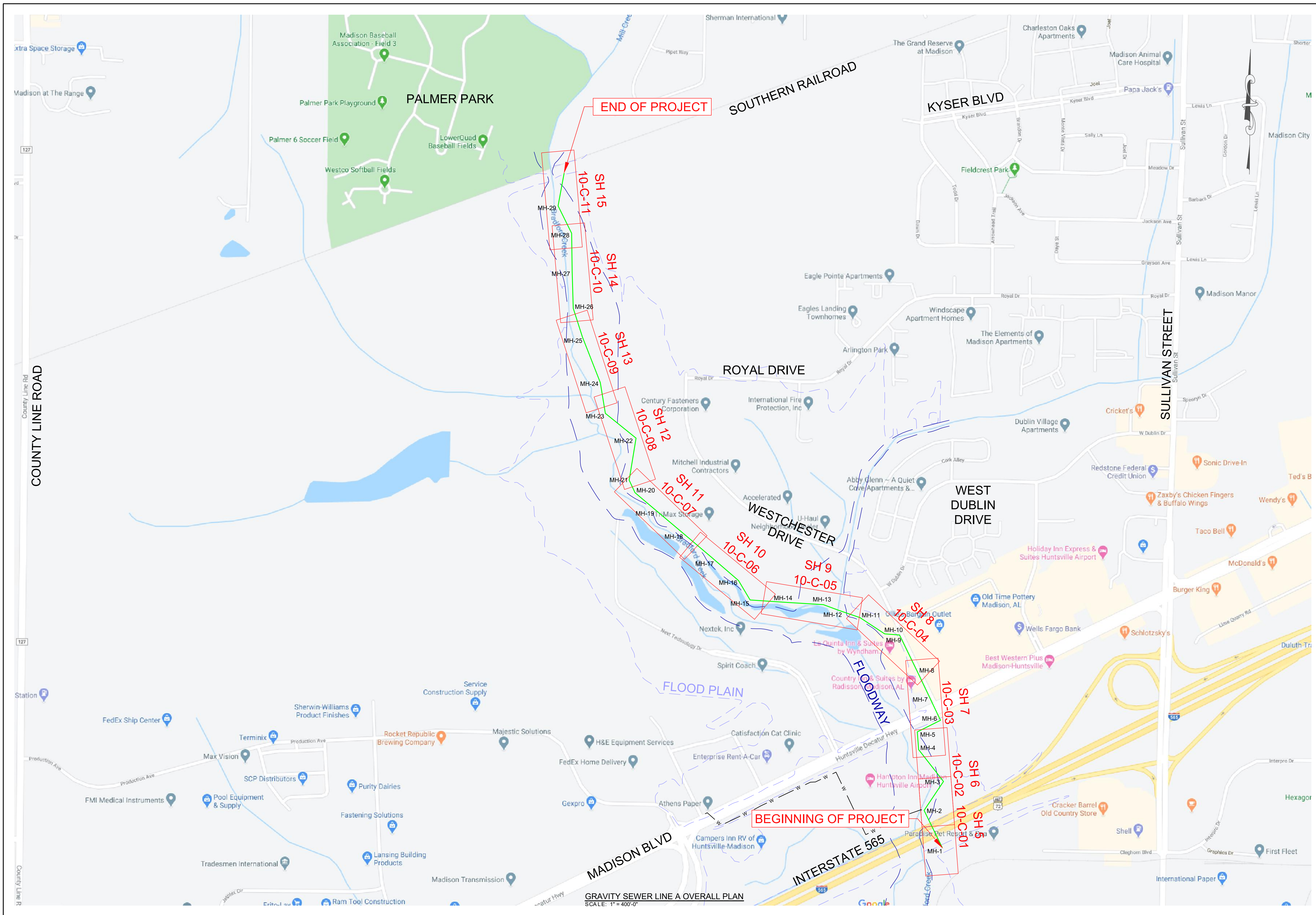
DATE: MAY 2020

DESIGNED BY: CDS

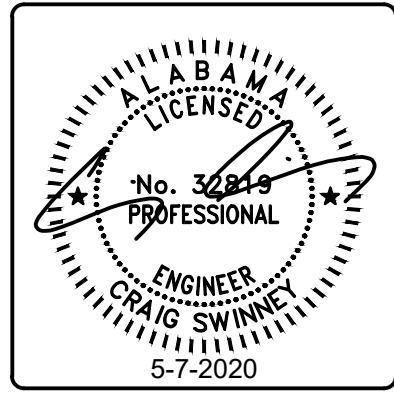
DRAWN BY: JFL

DWG: 00-C-01

SHEET NUMBER 1



GRAVITY SEWER LINE A OVERALL PLAN
SCALE: 1" = 400'-0"



NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	CONSTRUCTION REVISIONS	AS-BUILT
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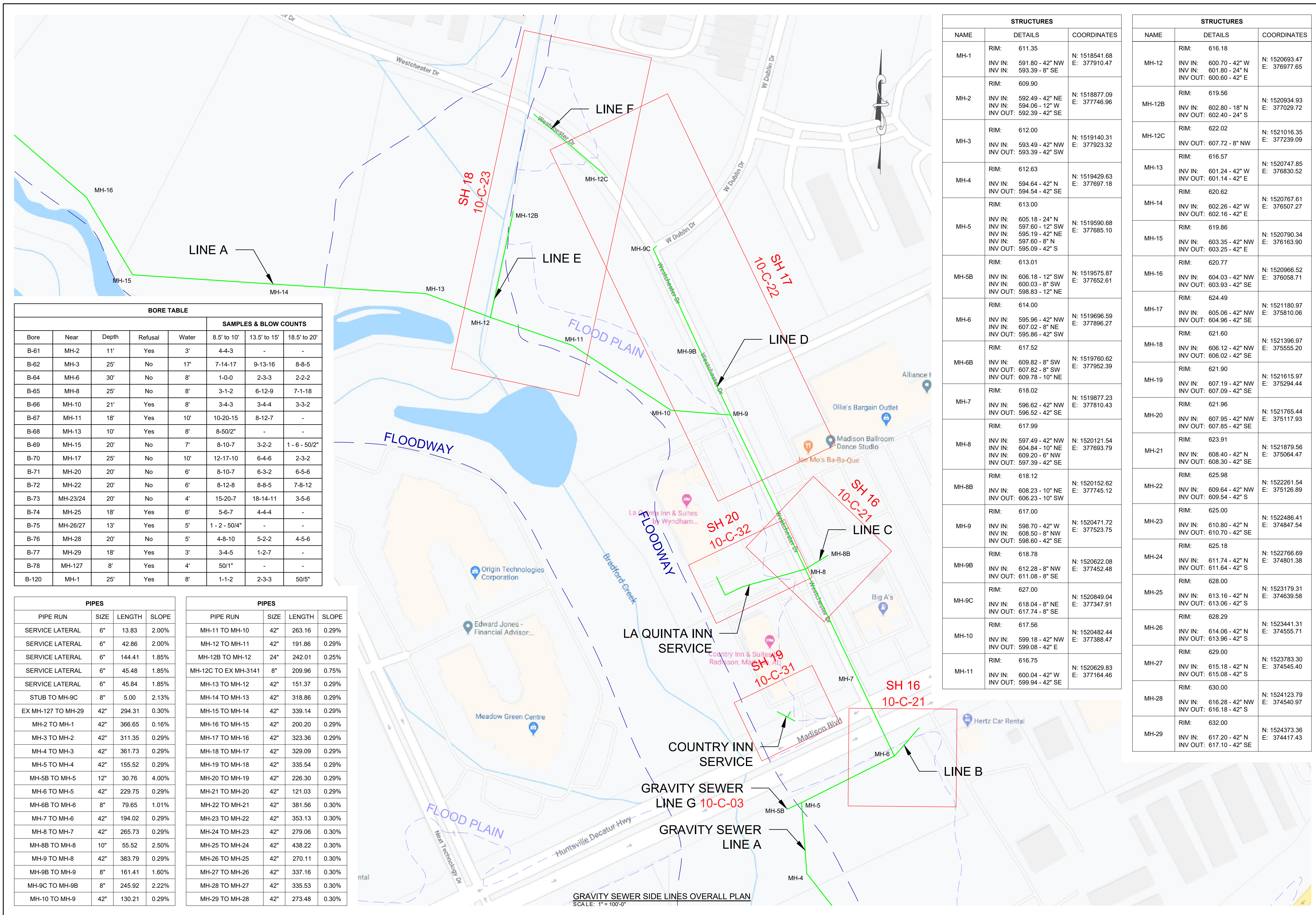
MADISON UTILITIES
MADISON, AL
WESTERN INTERCEPTOR
FROM MH-97 TO MH-127

GRAVITY SEWER LINE A OVERALL PLAN

BOX IS 2 IN WIDE AT FULL SCALE

JOB NO: MU-1930
DATE: MAY 2020
DESIGNED BY: CDS
DRAWN BY: JFL
DWG: 05-C-01

SHEET NUMBER **3**



BORE TABLE					SAMPLES & BLOW COUNTS		
Bore	Near	Depth	Refusal	Water	8.5' to 10'	13.5' to 15'	18.5' to 20'
B-61	MH-2	11'	Yes	3'	4-4-3	-	-
B-62	MH-3	25'	No	17'	7-14-17	9-13-16	8-8-5
B-64	MH-6	30'	No	8'	1-0-0	2-3-3	2-2-2
B-65	MH-8	25'	No	8'	3-1-2	6-12-9	7-1-18
B-66	MH-10	21'	Yes	8'	3-4-3	3-4-4	3-3-2
B-67	MH-11	18'	Yes	10'	10-20-15	8-12-7	-
B-68	MH-13	10'	Yes	8'	8-50/2"	-	-
B-69	MH-15	20'	No	7'	8-10-7	3-2-2	1 - 6 - 50/2"
B-70	MH-17	25'	No	10'	12-17-10	6-4-6	2-3-2
B-71	MH-20	20'	No	6'	8-10-7	6-3-2	6-5-6
B-72	MH-22	20'	No	6'	8-12-8	8-8-5	7-8-12
B-73	MH-23/24	20'	No	4'	15-20-7	18-14-11	3-5-6
B-74	MH-25	18'	Yes	6'	5-6-7	4-4-4	-
B-75	MH-26/27	13'	Yes	5'	1 - 2 - 50/4"	-	-
B-76	MH-28	20'	No	5'	4-8-10	5-2-2	4-5-6
B-77	MH-29	18'	Yes	3'	3-4-5	1-2-7	-
B-78	MH-127	8'	Yes	4'	50/1"	-	-
B-120	MH-1	25'	Yes	8'	1-1-2	2-3-3	50/5"

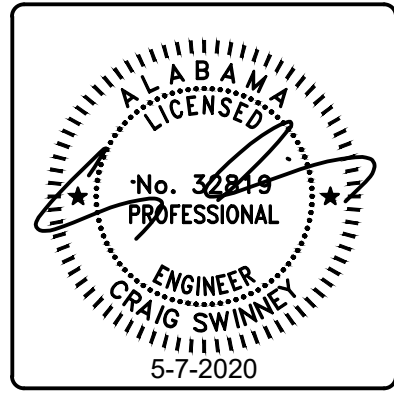
PIPES			
PIPE RUN	SIZE	LENGTH	SLOPE
SERVICE LATERAL	6"	13.83	2.00%
SERVICE LATERAL	6"	42.86	2.00%
SERVICE LATERAL	6"	144.41	1.85%
SERVICE LATERAL	6"	45.48	1.85%
SERVICE LATERAL	6"	45.84	1.85%
STUB TO MH-9C	8"	5.00	2.13%
EX MH-127 TO MH-29	42"	294.31	0.30%
MH-2 TO MH-1	42"	366.65	0.16%
MH-3 TO MH-2	42"	311.35	0.29%
MH-4 TO MH-3	42"	361.73	0.29%
MH-5 TO MH-4	42"	155.52	0.29%
MH-5B TO MH-5	12"	30.76	4.00%
MH-6 TO MH-5	42"	229.75	0.29%
MH-6B TO MH-6	8"	79.65	1.01%
MH-7 TO MH-6	42"	194.02	0.29%
MH-8 TO MH-7	42"	265.73	0.29%
MH-8B TO MH-8	10"	55.52	2.50%
MH-9 TO MH-8	42"	383.79	0.29%
MH-9B TO MH-9	8"	161.41	1.60%
MH-9C TO MH-9B	8"	245.92	2.22%
MH-10 TO MH-9	42"	130.21	0.29%

PIPES			
PIPE RUN	SIZE	LENGTH	SLOPE
MH-11 TO MH-10	42"	263.16	0.29%
MH-12 TO MH-11	42"	191.86	0.29%
MH-12B TO MH-12	24"	242.01	0.25%
MH-12C TO EX MH-3141	8"	209.96	0.75%
MH-13 TO MH-12	42"	151.37	0.29%
MH-14 TO MH-13	42"	318.86	0.29%
MH-15 TO MH-14	42"	339.14	0.29%
MH-16 TO MH-15	42"	200.20	0.29%
MH-17 TO MH-16	42"	323.36	0.29%
MH-18 TO MH-17	42"	329.09	0.29%
MH-19 TO MH-18	42"	335.54	0.29%
MH-20 TO MH-19	42"	226.30	0.29%
MH-21 TO MH-20	42"	121.03	0.29%
MH-22 TO MH-21	42"	381.56	0.30%
MH-23 TO MH-22	42"	353.13	0.30%
MH-24 TO MH-23	42"	279.06	0.30%
MH-25 TO MH-24	42"	438.22	0.30%
MH-26 TO MH-25	42"	270.11	0.30%
MH-27 TO MH-26	42"	337.16	0.30%
MH-28 TO MH-27	42"	335.53	0.30%
MH-29 TO MH-28	42"	273.48	0.30%

STRUCTURES		
NAME	DETAILS	COORDINATES
MH-1	RIM: 611.35 INV IN: 591.80 - 42" NW INV IN: 593.39 - 8" SE	N: 1518541.68 E: 377910.47
MH-2	RIM: 609.90 INV IN: 592.49 - 42" NE INV IN: 594.06 - 12" W INV OUT: 592.39 - 42" SE	N: 1518877.09 E: 377746.96
MH-3	RIM: 612.00 INV IN: 593.49 - 42" NW INV OUT: 593.39 - 42" SW	N: 1519140.31 E: 377923.32
MH-4	RIM: 612.63 INV IN: 594.64 - 42" N INV OUT: 594.54 - 42" SE	N: 1519429.63 E: 377697.18
MH-5	RIM: 613.00 INV IN: 605.18 - 24" N INV IN: 597.60 - 12" SW INV IN: 595.19 - 42" NE INV IN: 597.60 - 8" N INV OUT: 595.09 - 42" S	N: 1519590.68 E: 377685.10
MH-5B	RIM: 613.01 INV IN: 606.18 - 12" SW INV IN: 600.03 - 8" SW INV OUT: 598.83 - 12" NE	N: 1519575.87 E: 377652.61
MH-6	RIM: 614.00 INV IN: 595.96 - 42" NW INV IN: 607.02 - 8" NE INV OUT: 595.86 - 42" SW	N: 1519696.59 E: 377896.27
MH-6B	RIM: 617.52 INV IN: 609.82 - 8" SW INV OUT: 607.82 - 8" SW INV OUT: 609.78 - 10" NE	N: 1519760.62 E: 377952.39
MH-7	RIM: 618.02 INV IN: 596.62 - 42" NW INV OUT: 596.52 - 42" SE	N: 1519877.23 E: 377810.43
MH-8	RIM: 617.99 INV IN: 597.49 - 42" NW INV IN: 604.84 - 10" NE INV IN: 609.20 - 6" NW INV OUT: 597.39 - 42" SE	N: 1520121.54 E: 377693.79
MH-8B	RIM: 618.12 INV IN: 608.23 - 10" NE INV OUT: 606.23 - 10" SW	N: 1520152.62 E: 377745.12
MH-9	RIM: 617.00 INV IN: 598.70 - 42" W INV IN: 608.50 - 8" NW INV OUT: 598.60 - 42" SE	N: 1520471.72 E: 377523.75
MH-9B	RIM: 618.78 INV IN: 612.28 - 8" NW INV OUT: 611.08 - 8" SE	N: 1520622.08 E: 377452.48
MH-9C	RIM: 627.00 INV IN: 618.04 - 8" NE INV OUT: 617.74 - 8" SE	N: 1520849.04 E: 377347.91
MH-10	RIM: 617.56 INV IN: 599.18 - 42" NW INV OUT: 599.08 - 42" E	N: 1520482.44 E: 377388.47
MH-11	RIM: 616.75 INV IN: 600.04 - 42" W INV OUT: 599.94 - 42" SE	N: 1520629.83 E: 377164.46

STRUCTURES		
NAME	DETAILS	COORDINATES
MH-12	RIM: 616.18 INV IN: 600.70 - 42" W INV IN: 601.80 - 24" N INV OUT: 600.60 - 42" E	N: 1520693.47 E: 376970.65
MH-12B	RIM: 619.56 INV IN: 602.80 - 18" N INV OUT: 602.40 - 42" S	N: 1520934.93 E: 377029.72
MH-12C	RIM: 622.02 INV OUT: 607.72 - 8" NW	N: 1521016.35 E: 377239.09
MH-13	RIM: 616.57 INV IN: 601.24 - 42" W INV OUT: 601.14 - 42" E	N: 1520747.85 E: 376830.52
MH-14	RIM: 620.62 INV IN: 602.26 - 42" W INV OUT: 602.16 - 42" E	N: 1520767.61 E: 376507.27
MH-15	RIM: 619.86 INV IN: 603.35 - 42" NW INV OUT: 603.25 - 42" E	N: 1520790.34 E: 376163.90
MH-16	RIM: 620.77 INV IN: 604.03 - 42" NW INV OUT: 603.93 - 42" SE	N: 1520966.52 E: 376058.71
MH-17	RIM: 624.49 INV IN: 605.06 - 42" NW INV OUT: 604.96 - 42" SE	N: 1521180.97 E: 375810.06
MH-18	RIM: 621.60 INV IN: 606.12 - 42" NW INV OUT: 606.02 - 42" SE	N: 1521396.97 E: 375555.20
MH-19	RIM: 621.90 INV IN: 607.19 - 42" NW INV OUT: 607.09 - 42" SE	N: 1521615.97 E: 375294.44
MH-20	RIM: 621.96 INV IN: 607.95 - 42" NW INV OUT: 607.85 - 42" SE	N: 1521765.44 E: 375117.93
MH-21	RIM: 623.91 INV IN: 608.40 - 42" N INV OUT: 608.30 - 42" SE	N: 1521879.56 E: 375064.47
MH-22	RIM: 625.98 INV IN: 609.64 - 42" NW INV OUT: 609.54 - 42" S	N: 1522261.54 E: 375126.89
MH-23	RIM: 625.00 INV IN: 610.80 - 42" N INV OUT: 610.70 - 42" SE	N: 1522486.41 E: 374847.54
MH-24	RIM: 625.18 INV IN: 611.74 - 42" N INV OUT: 611.64 - 42" S	N: 1522766.69 E: 374801.38
MH-25	RIM: 628.00 INV IN: 613.16 - 42" N INV OUT: 613.06 - 42" S	N: 1523179.31 E: 374639.58
MH-26	RIM: 628.29 INV IN: 614.06 - 42" N INV OUT: 613.96 - 42" S	N: 1523441.31 E: 374555.71
MH-27	RIM: 629.00 INV IN: 615.18 - 42" N INV OUT: 615.08 - 42" S	N: 1523783.30 E: 374545.40
MH-28	RIM: 630.00 INV IN: 616.28 - 42" NW INV OUT: 616.18 - 42" S	N: 1524123.79 E: 374540.97
MH-29	RIM: 632.00 INV IN: 617.20 - 42" N INV OUT: 617.10 - 42" SE	N: 1524373.36 E: 374417.43

GRAVITY SEWER SIDE LINES OVERALL PLAN
SCALE: 1" = 100'-0"



NO	DATE	DESCRIPTION	BY	CHECKED	REVISIONS	
					AS-BUILT	CONSTRUCTION

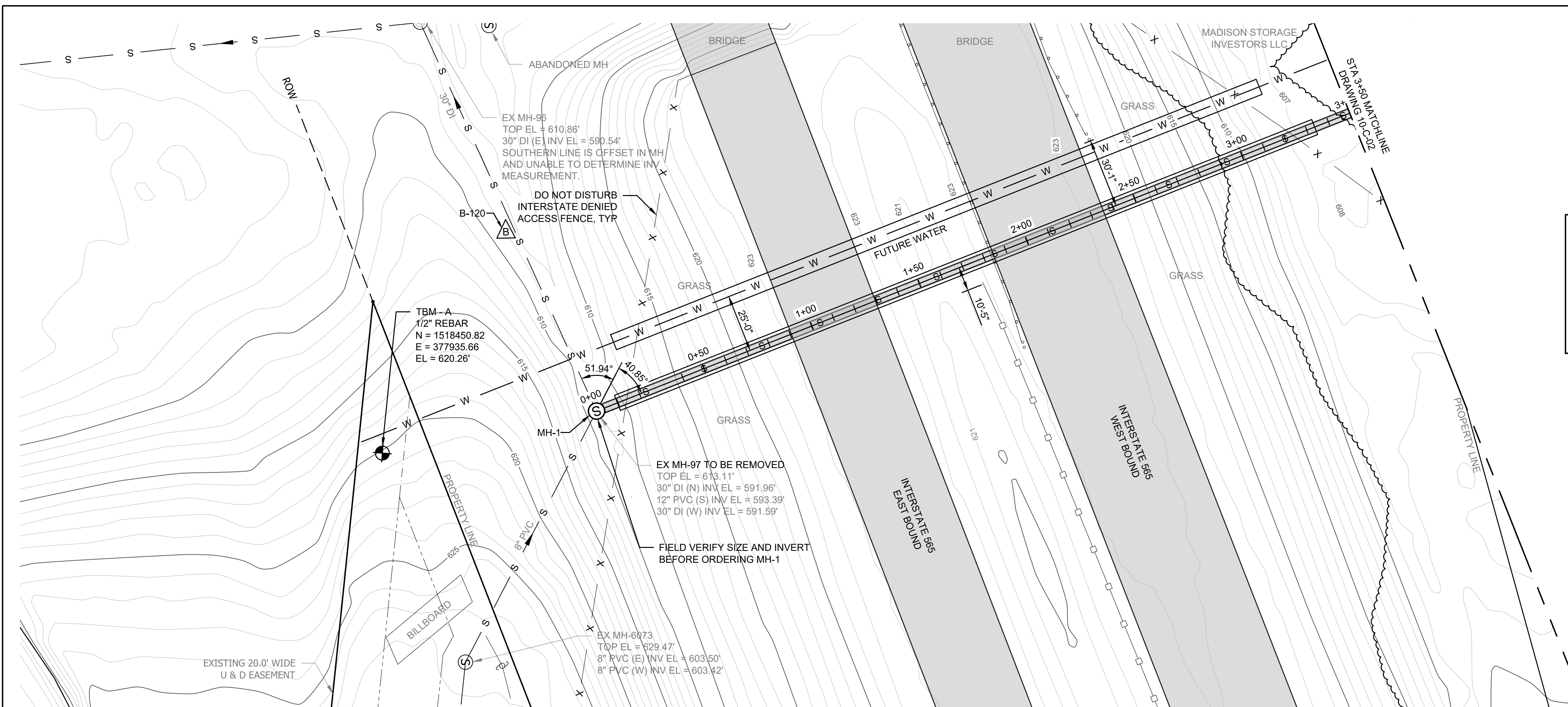
MADISON UTILITIES
MADISON, AL

WESTERN INTERCEPTOR
FROM MH-97 TO MH-127

GRAVITY SEWER
LINES B - G
OVERALL PLAN

BOX IS 2 IN WIDE
AT FULL SCALE

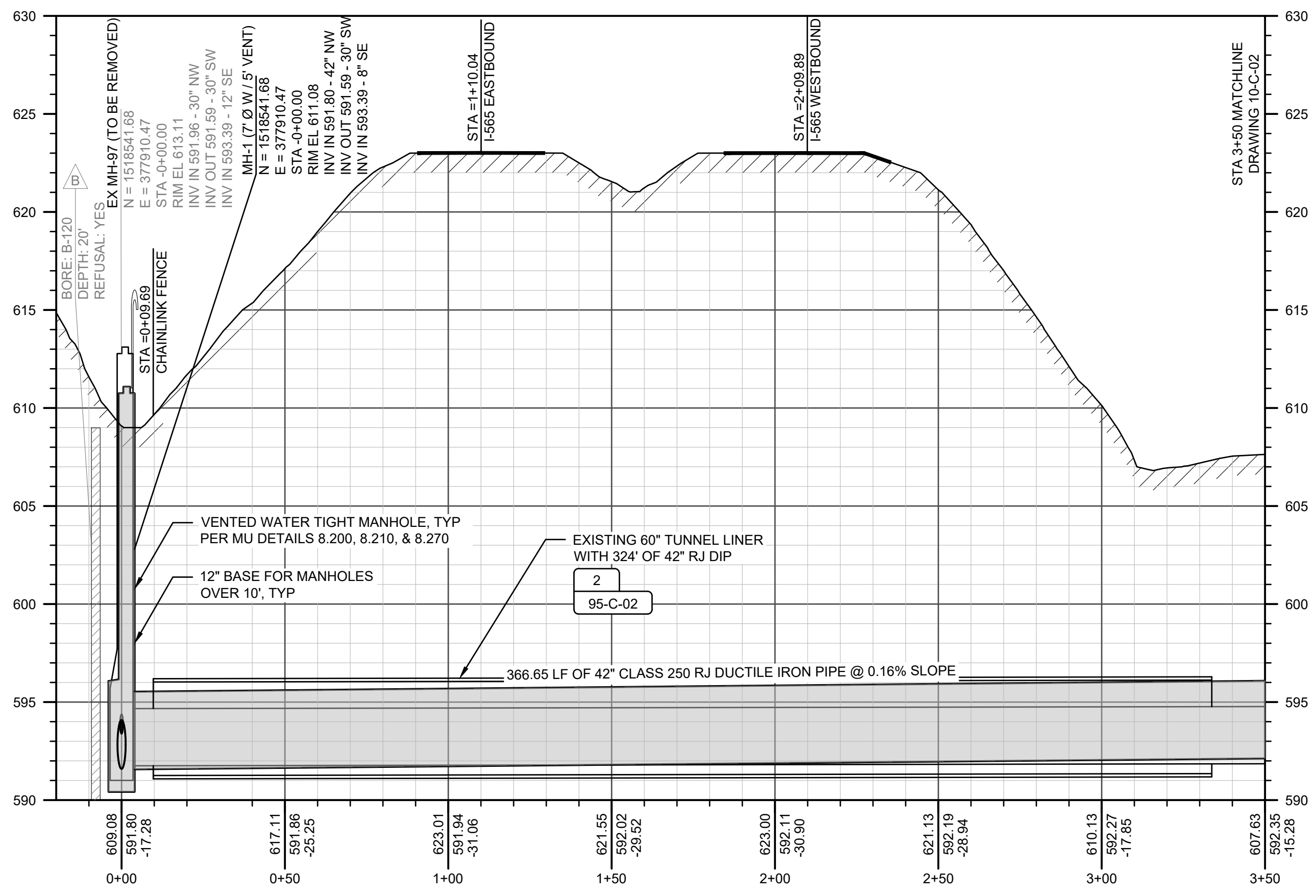
JOB NO: MU-1930
DATE: MAY 2020
DESIGNED BY: CDS
DRAWN BY: JFL
DWG: 05-C-02
SHEET NUMBER **4**



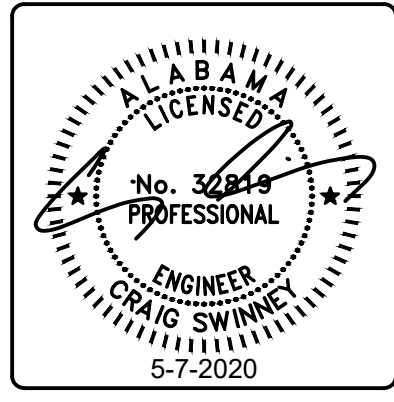
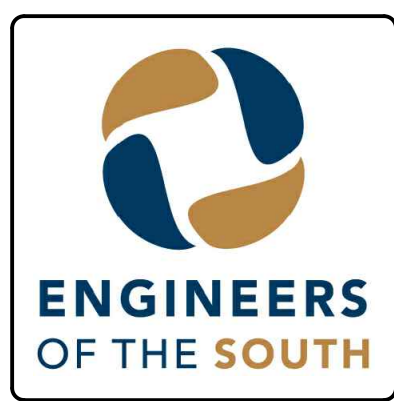
NOTES:

- SEE ALDOT PERMIT IN APPENDIX B REGARDING WORK IN THE STATE ROW FROM STA 0+00 TO STA 3+65. ALDOT DISTRICT PERMIT COORDINATOR, MR. KHALID SHARFI, MUST BE NOTIFIED 24 HOURS BEFORE WORKING IN THE STATE ROW BY CALLING 256-837-0111.
- CONTRACTOR SHALL UNCOVER AND OPEN END OF TUNNEL FOR INSPECTION BEFORE ORDERING PIPE TO DETERMINE IF DUCTILE IRON OR HDPE SHOULD BE USED.

GRAVITY SEWER PLAN VIEW
 SCALE: 1" = 30'-0"



GRAVITY SEWER PROFILE VIEW
 SCALE: H: 1" = 30'-0" V: 1" = 5'-0"



NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	AS-BID	CONSTRUCTION REVISIONS	AS-BUILT
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MADISON UTILITIES
 MADISON, AL
 WESTERN INTERCEPTOR
 FROM MH-97 TO MH-127

GRAVITY SEWER
 PLAN & PROFILE
 FROM STA 0+00
 TO STA 3+50

BOX IS 2 IN WIDE
 AT FULL SCALE

JOB NO: MU-1930

DATE: MAY 2020

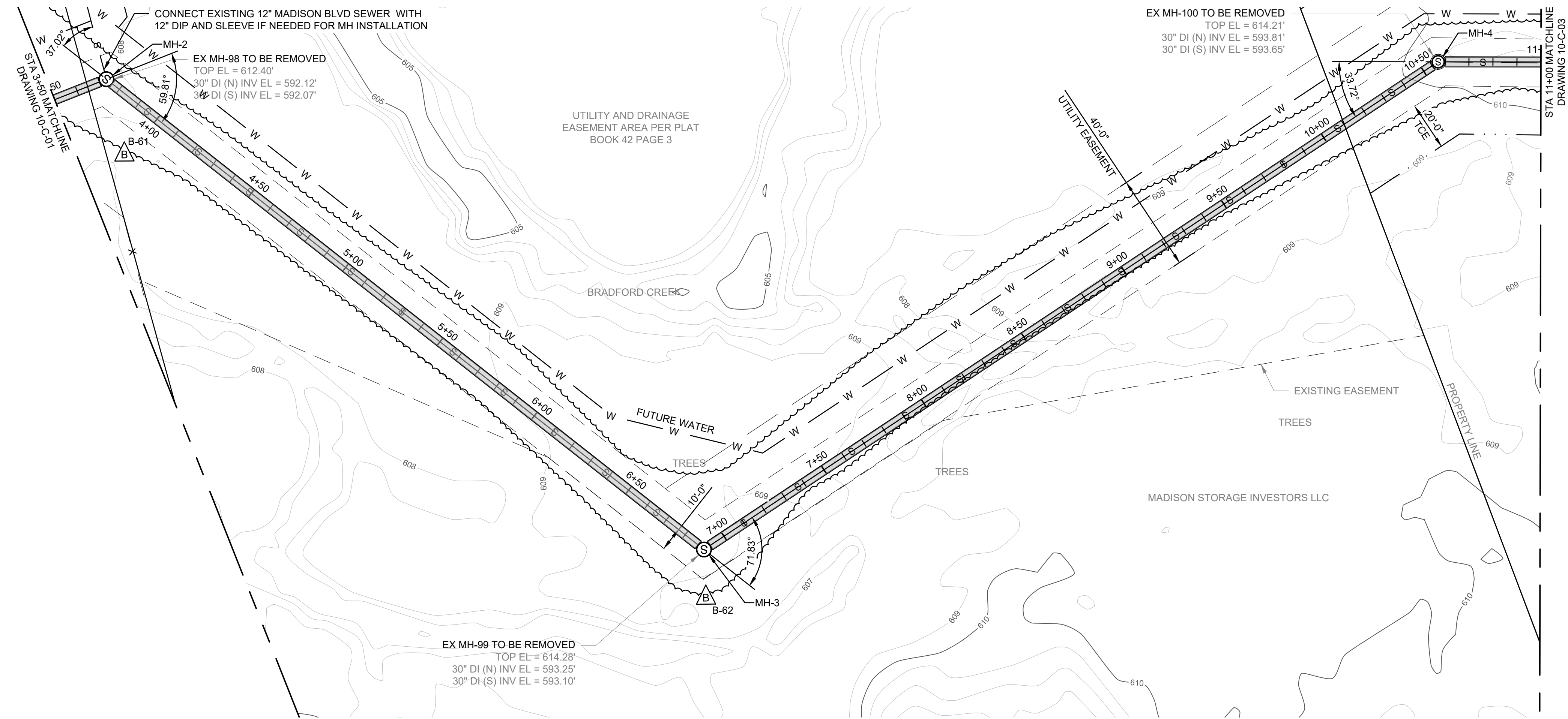
DESIGNED BY: CDS

DRAWN BY: JFL

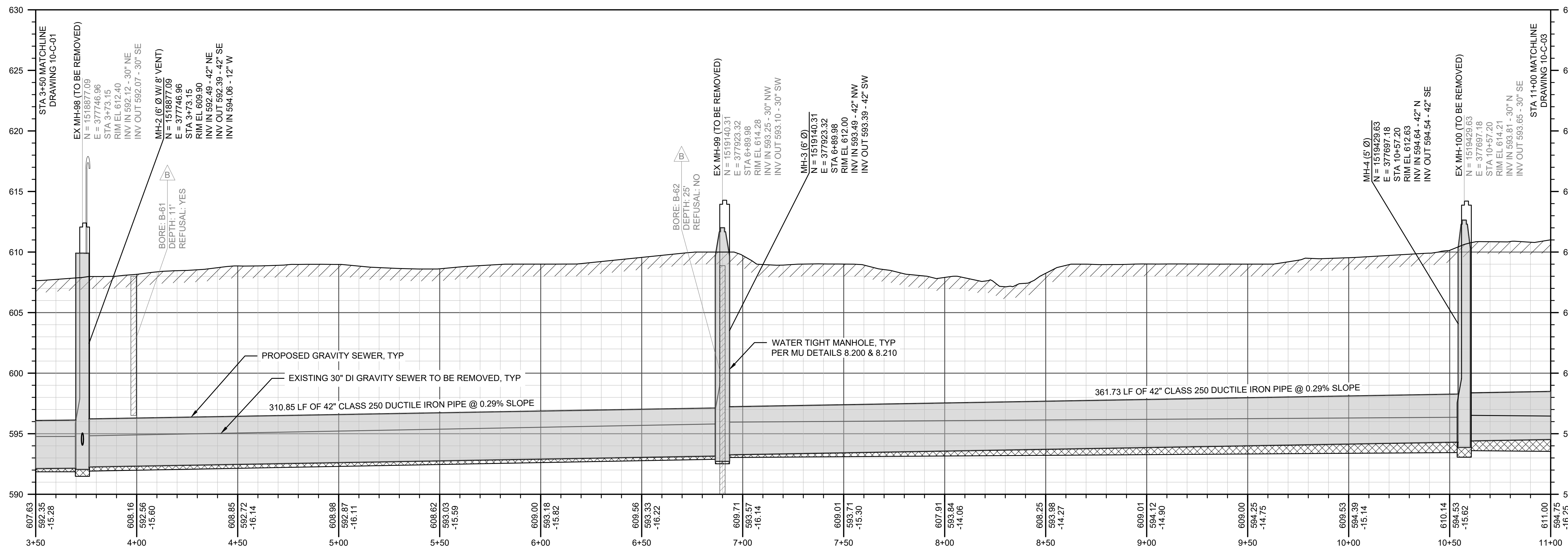
DWG: 10-C-01

SHEET NUMBER **5**

NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	AS-BID	CONSTRUCTION REVISIONS	AS-BUILT
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GRAVITY SEWER PLAN VIEW
SCALE: 1" = 30'-0"



MADISON UTILITIES
MADISON, AL
WESTERN INTERCEPTOR
FROM MH-97 TO MH-127

GRAVITY SEWER
PLAN & PROFILE
FROM STA 3+50
TO STA 11+00

BOX IS 2 IN WIDE
AT FULL SCALE

JOB NO: MU-1930

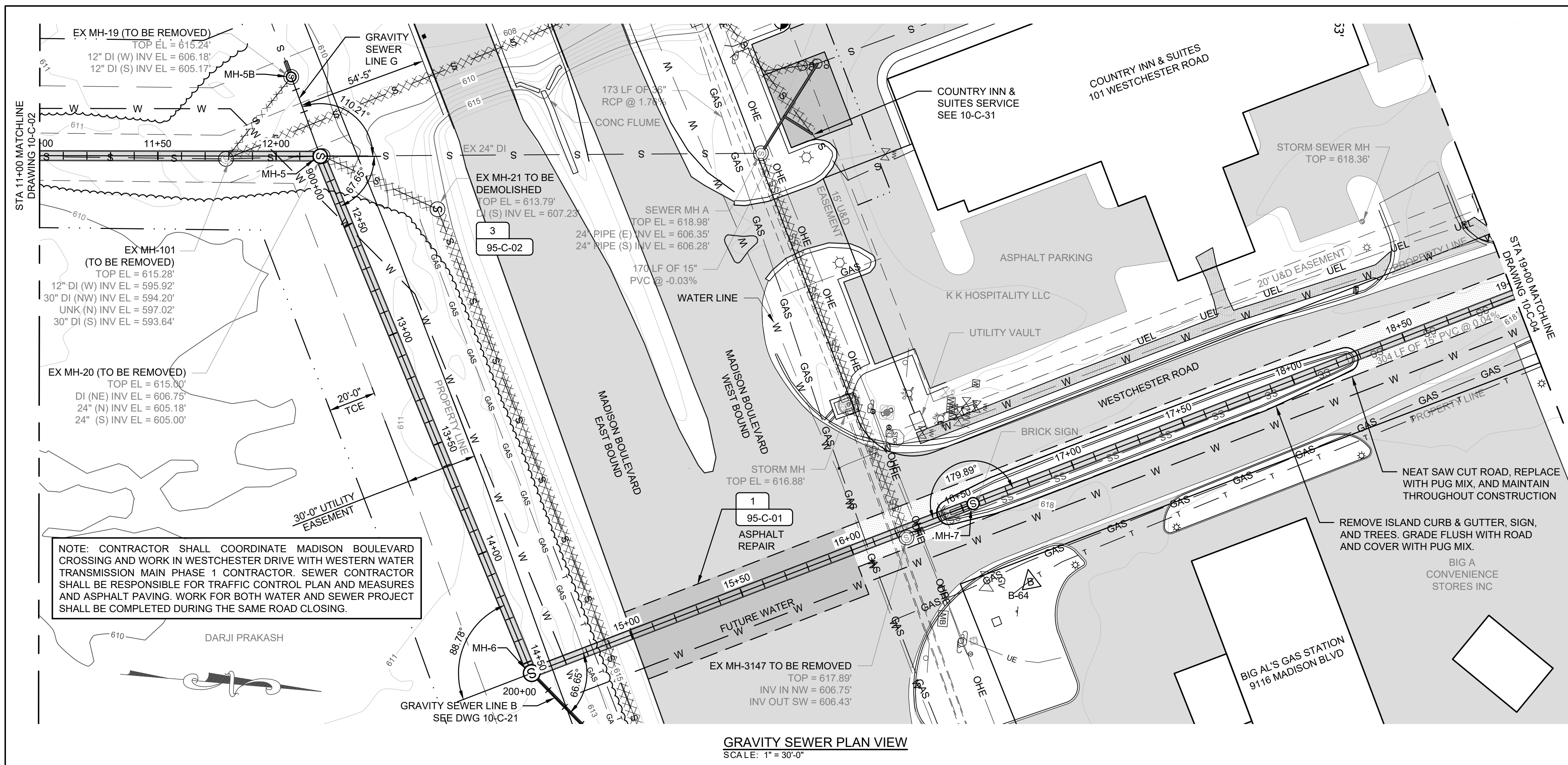
DATE: MAY 2020

DESIGNED BY: CDS

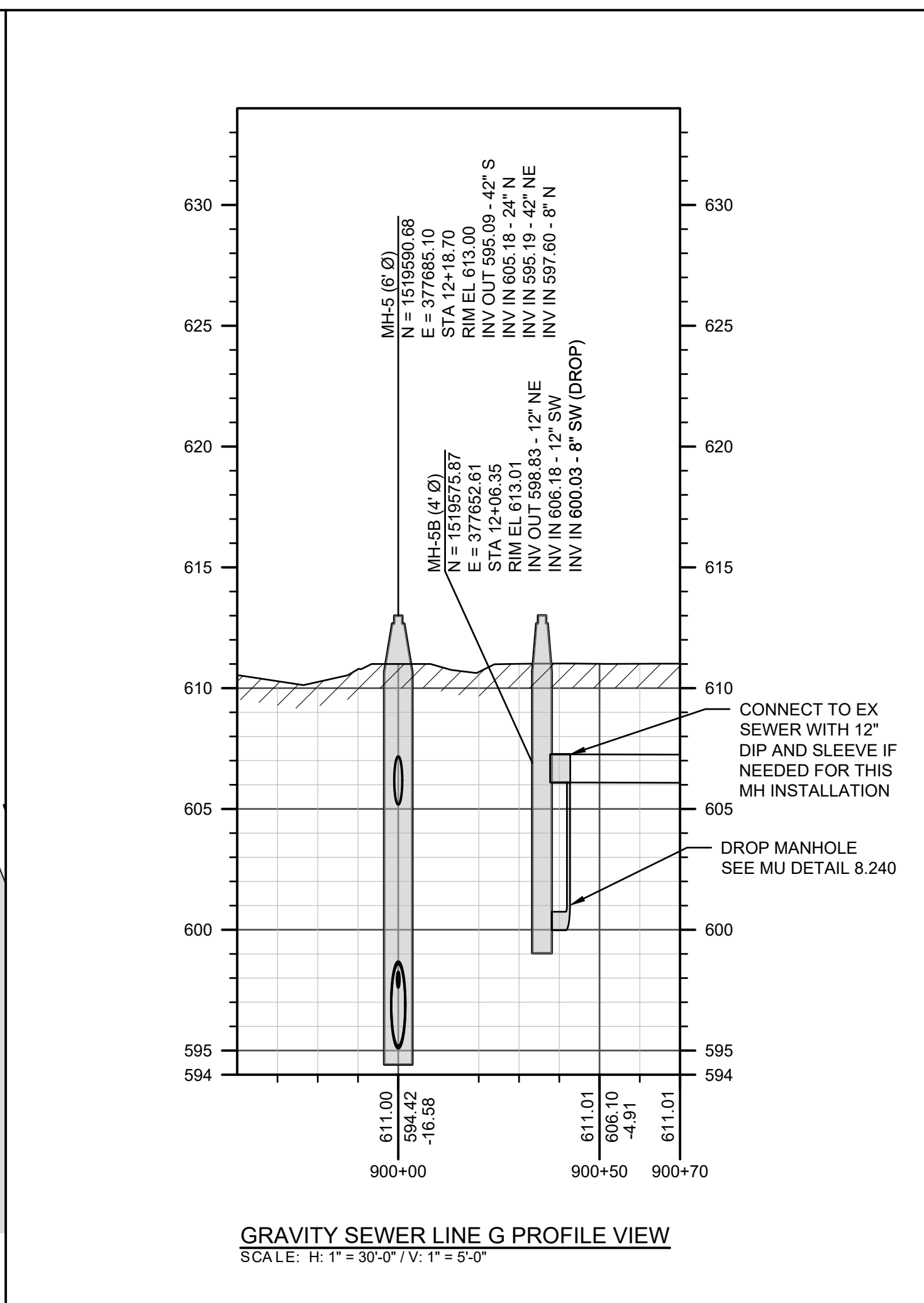
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DWG: 10-C-02

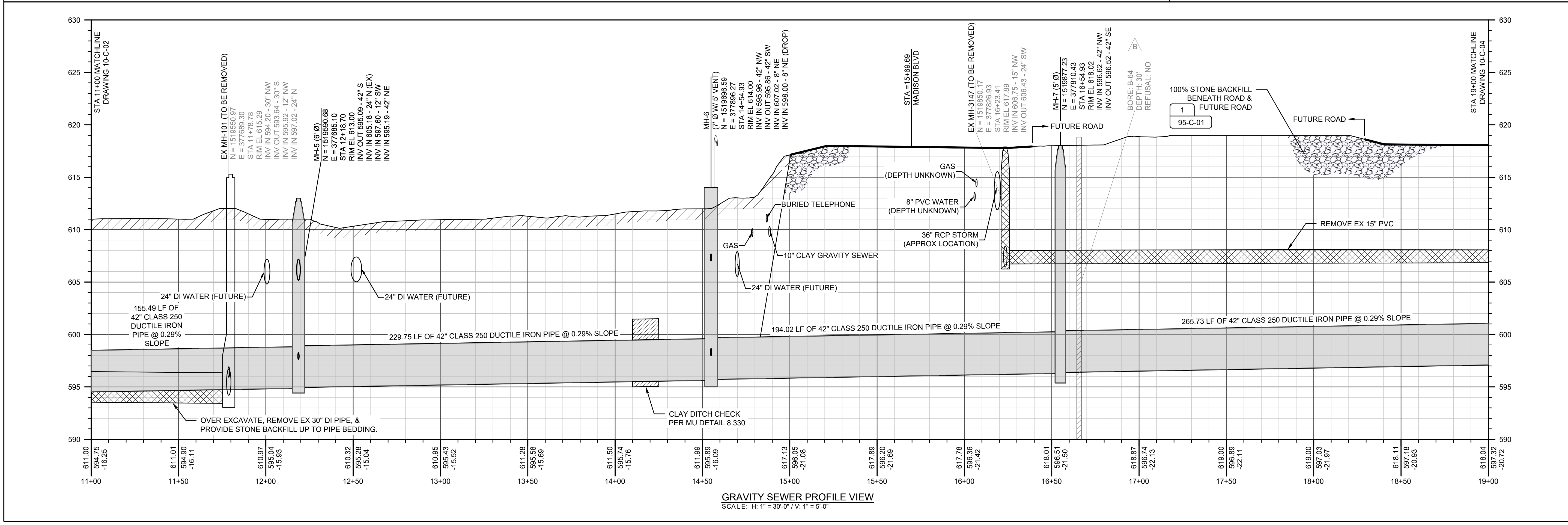
SHEET NUMBER **6**



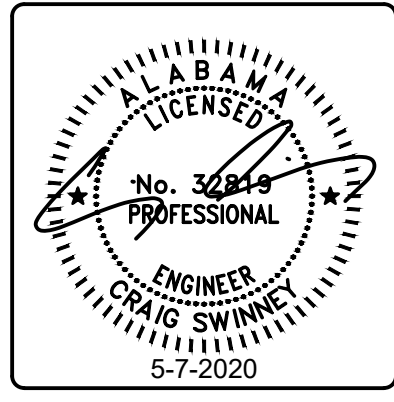
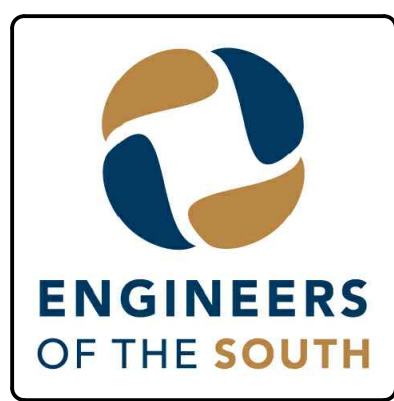
GRAVITY SEWER PLAN VIEW
SCALE: 1" = 30'-0"



GRAVITY SEWER LINE G PROFILE VIEW
SCALE: H: 1" = 30'-0" / V: 1" = 5'-0"



GRAVITY SEWER PROFILE VIEW
SCALE: H: 1" = 30'-0" / V: 1" = 5'-0"



NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	AS-BUILT

MADISON UTILITIES
MADISON, AL
WESTERN INTERCEPTOR
FROM MH-97 TO MH-127

GRAVITY SEWER
PLAN & PROFILE
FROM STA 11+00 TO
STA 19+00 & LINE G

BOX IS 2 IN WIDE
AT FULL SCALE

JOB NO: MU-1930

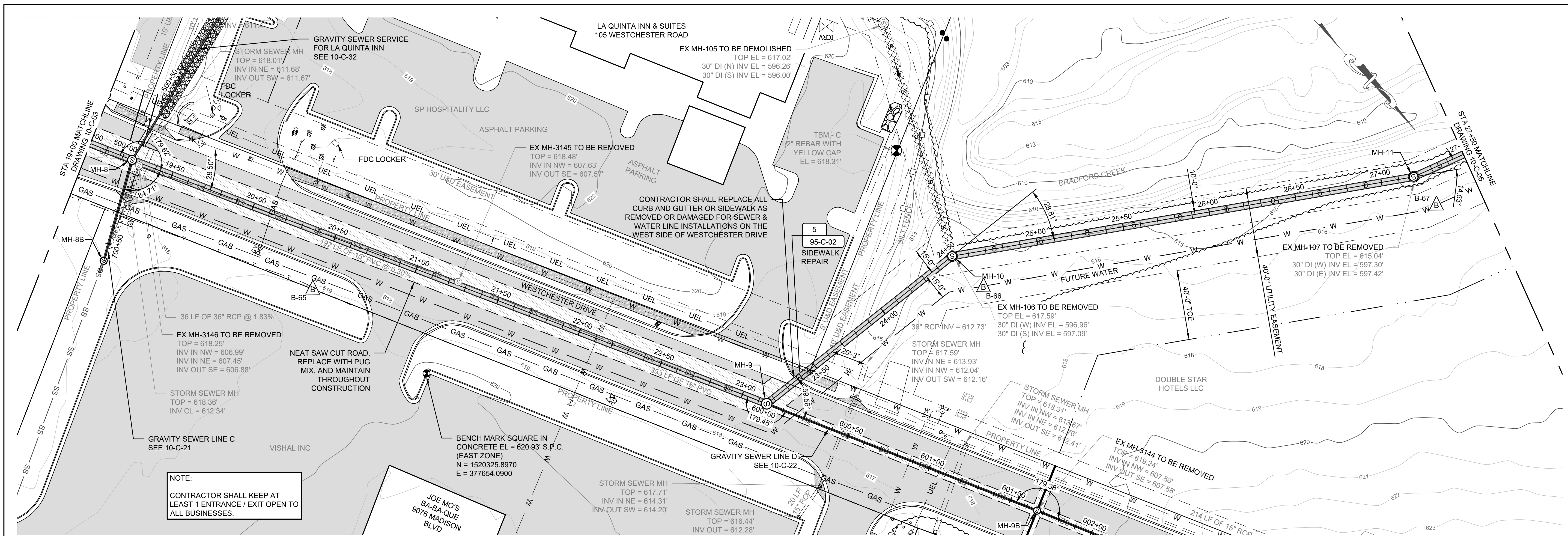
DATE: MAY 2020

DESIGNED BY: CDS

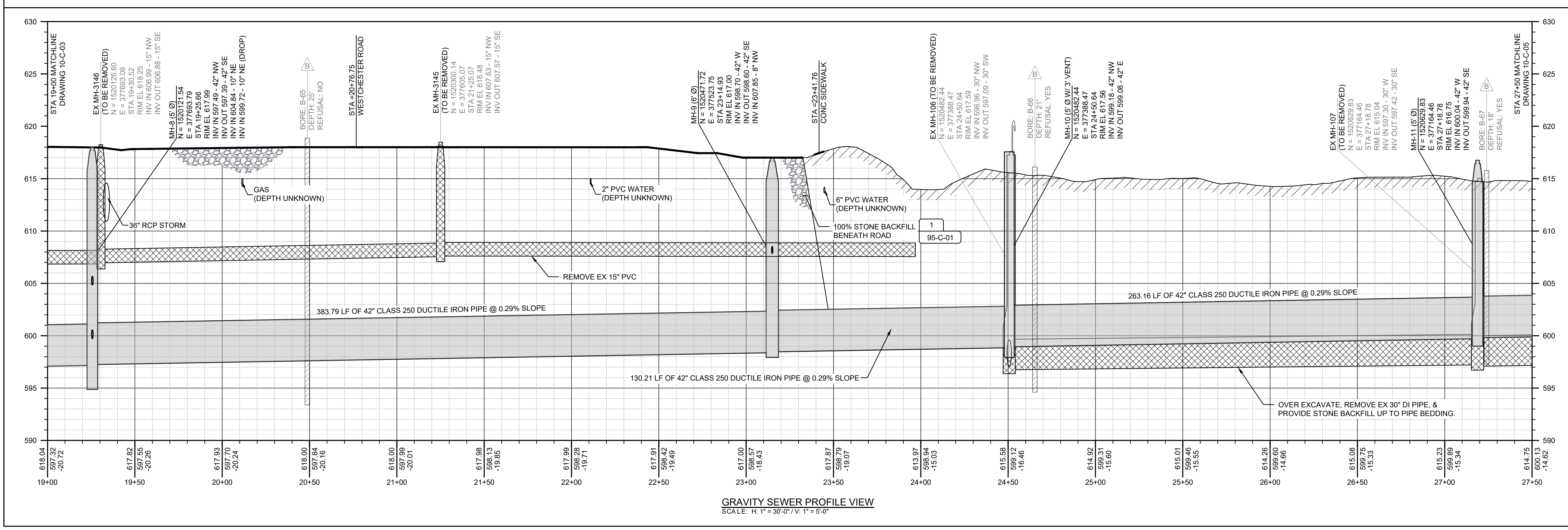
DRAWN BY: JFL

DWG: 10-C-03

SHEET NUMBER **7**



NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	CONSTRUCTION REVISIONS	AS-BUILT
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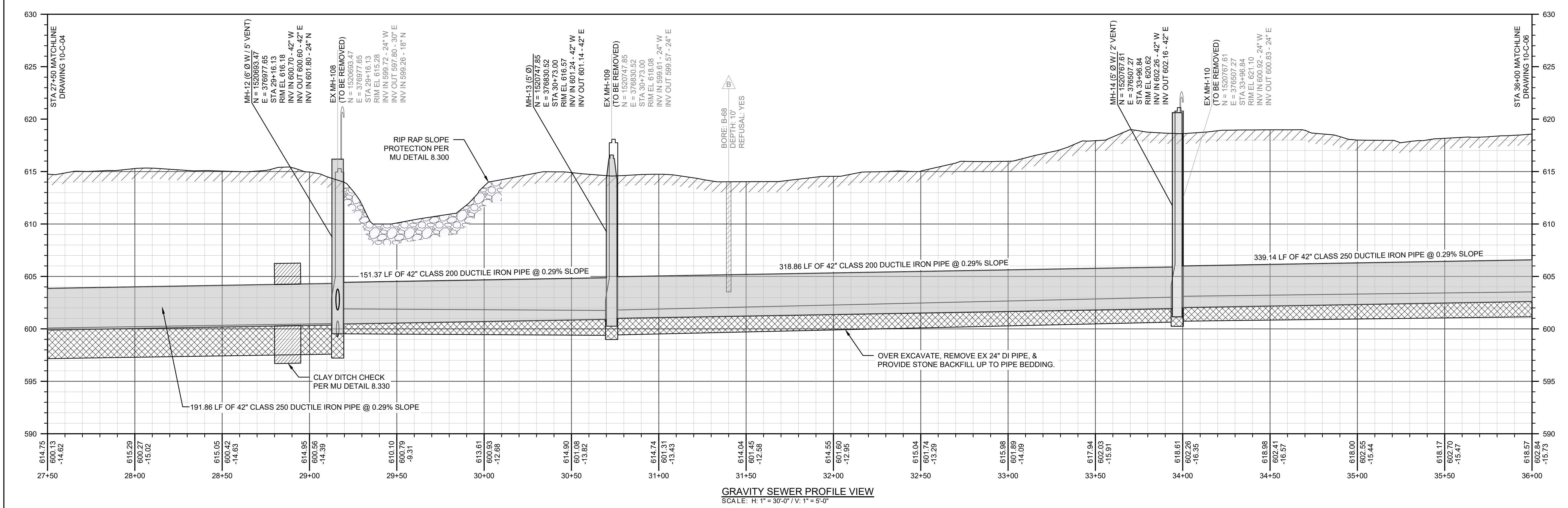
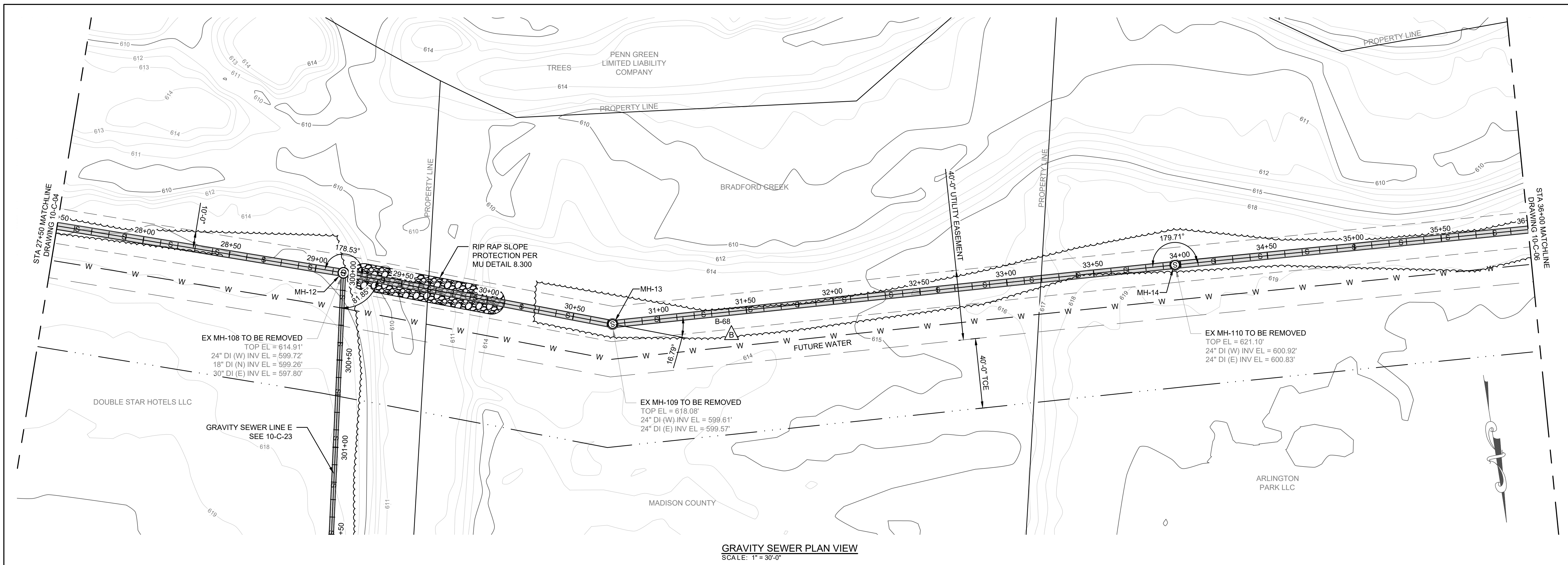
MADISON UTILITIES
MADISON, AL
WESTERN INTERCEPTOR
FROM MH-97 TO MH-127

GRAVITY SEWER
PLAN & PROFILE
FROM STA 19+00
TO STA 27+50

BOX IS 2 IN WIDE
AT FULL SCALE

JOB NO: MU-1930
DATE: MAY 2020
DESIGNED BY: CDS
DRAWN BY: JFL
DWG: 10-C-04
SHEET NUMBER **8**

NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	AS-BUILT
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MADISON UTILITIES
MADISON, AL
WESTERN INTERCEPTOR
FROM MH-97 TO MH-127

GRAVITY SEWER
PLAN & PROFILE
FROM STA 27+50
TO STA 36+00

BOX IS 2 IN WIDE
AT FULL SCALE

JOB NO: MU-1930

DATE: MAY 2020

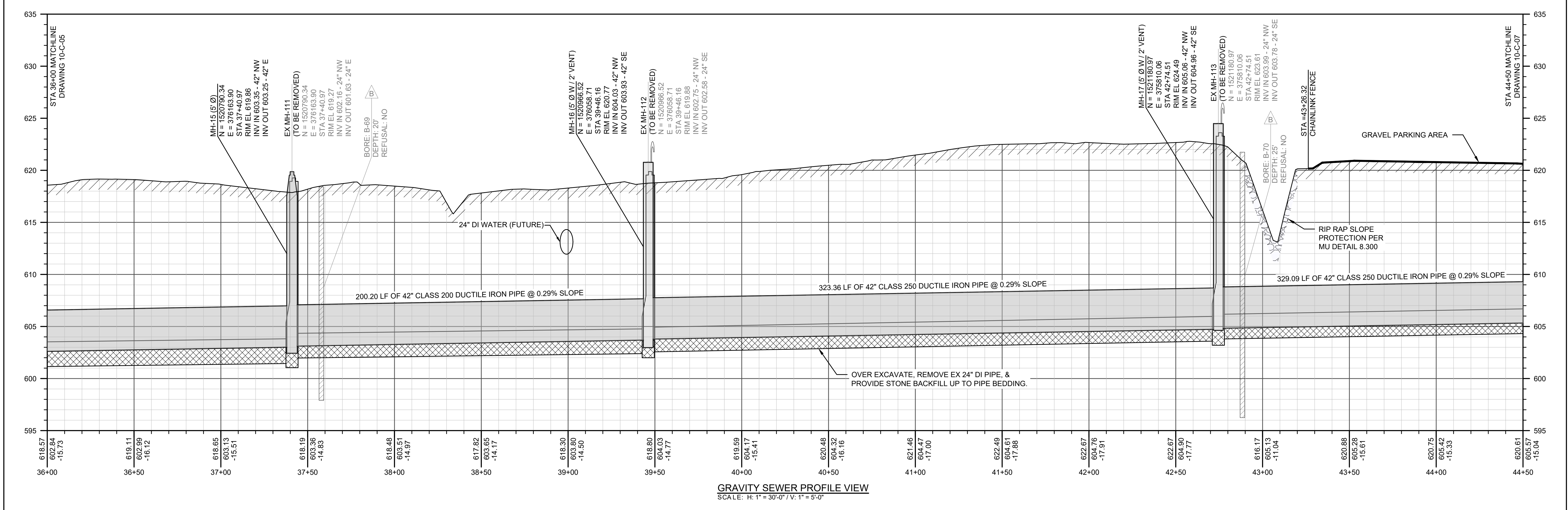
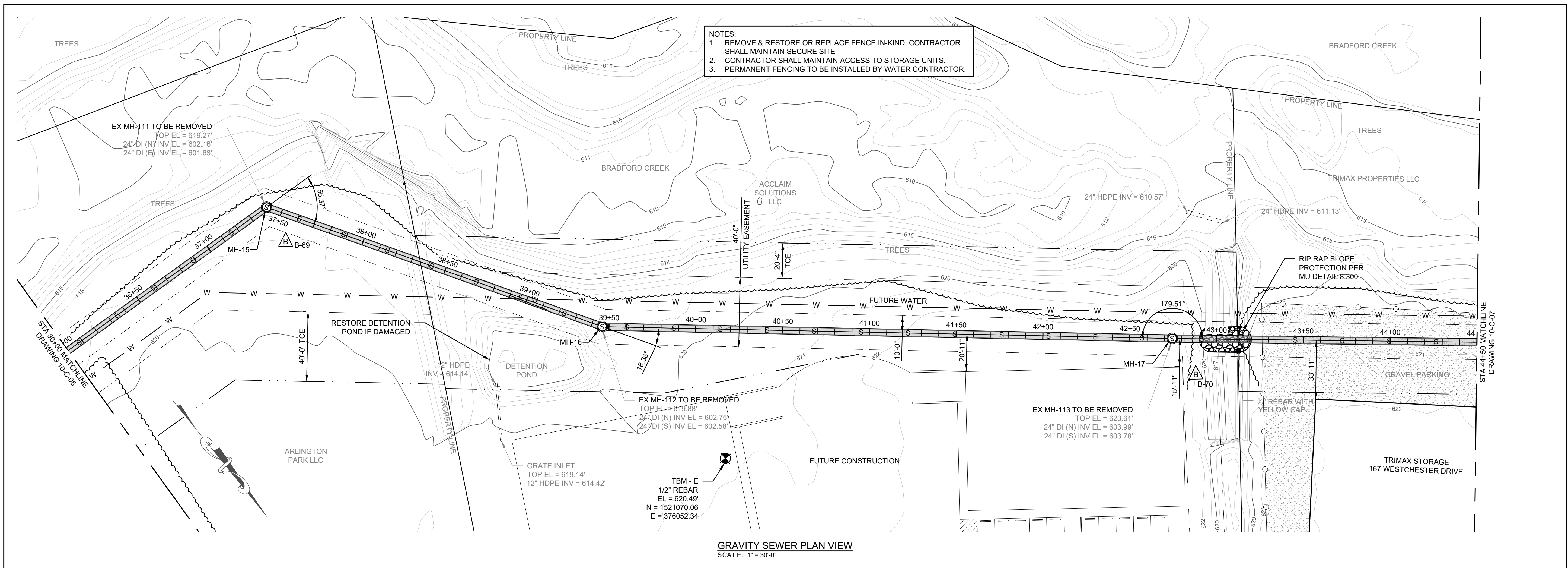
DESIGNED BY: CDS

DRAWN BY: JFL

DWG: 10-C-05

SHEET NUMBER **9**

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MADISON UTILITIES
MADISON, AL

**WESTERN INTERCEPTOR
FROM MH-97 TO MH-127**

GRAVITY SEWER
PLAN & PROFILE
FROM STA 36+00
TO STA 44+50

BOX IS 2 IN WIDE
AT FULL SCALE

JOB NO: MU-1930

DATE: MAY 2020

DESIGNED BY: CDS

DRAWN BY: JFL

DWG: 10-C-06

SHEET NUMBER **10**

NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	AS-BUILT
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**MADISON UTILITIES
MADISON, AL**

**WESTERN INTERCEPTOR
FROM MH-97 TO MH-127**

GRAVITY SEWER
PLAN & PROFILE
FROM STA 44+50
TO STA 53+00

BOX IS 2 IN WIDE
AT FULL SCALE

JOB NO: MU-1930

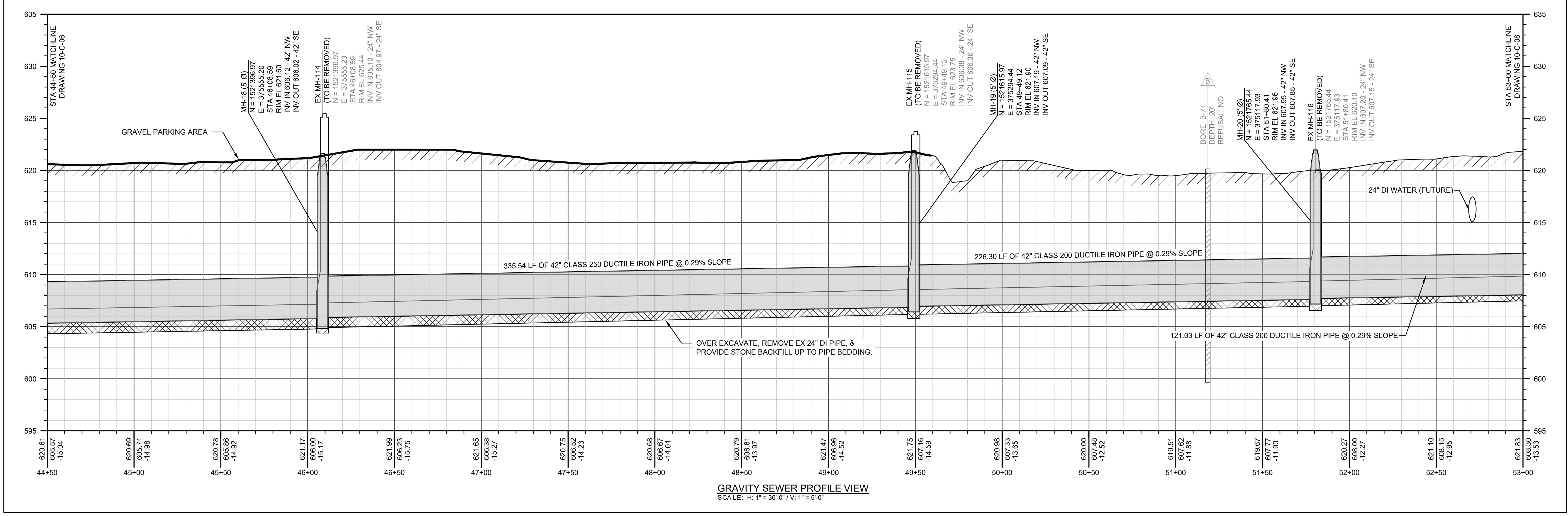
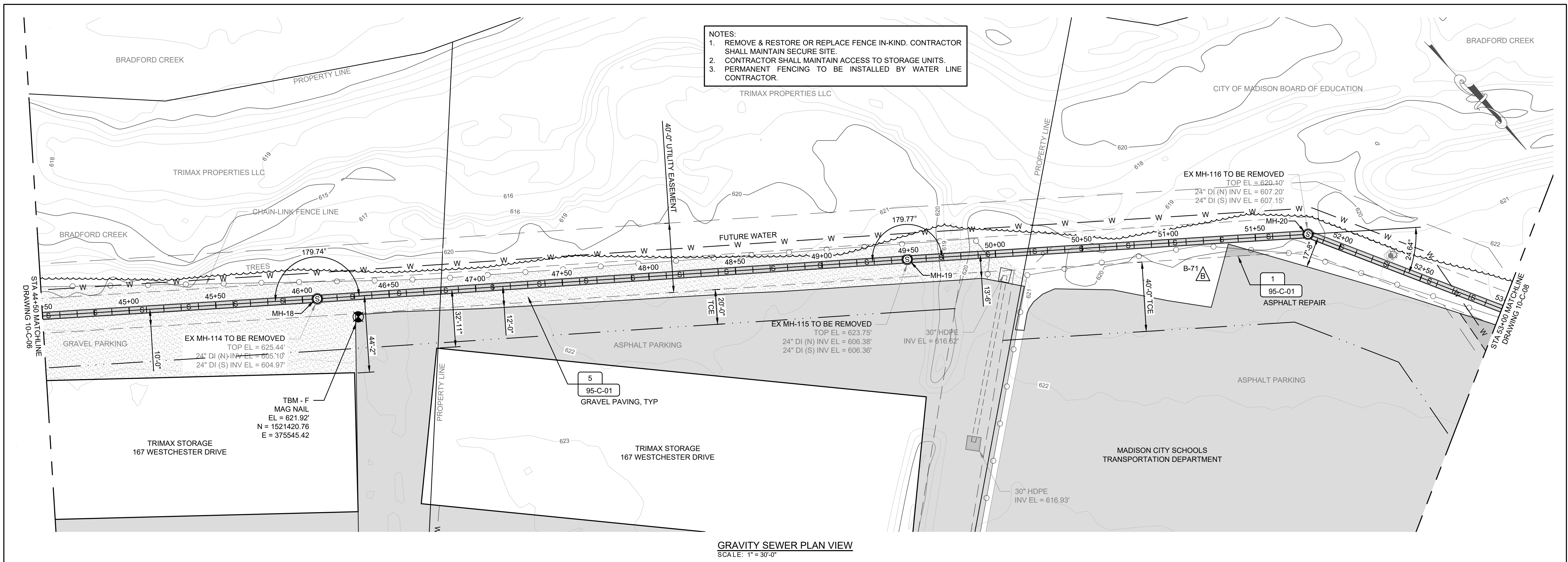
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DESIGNED BY: CDS

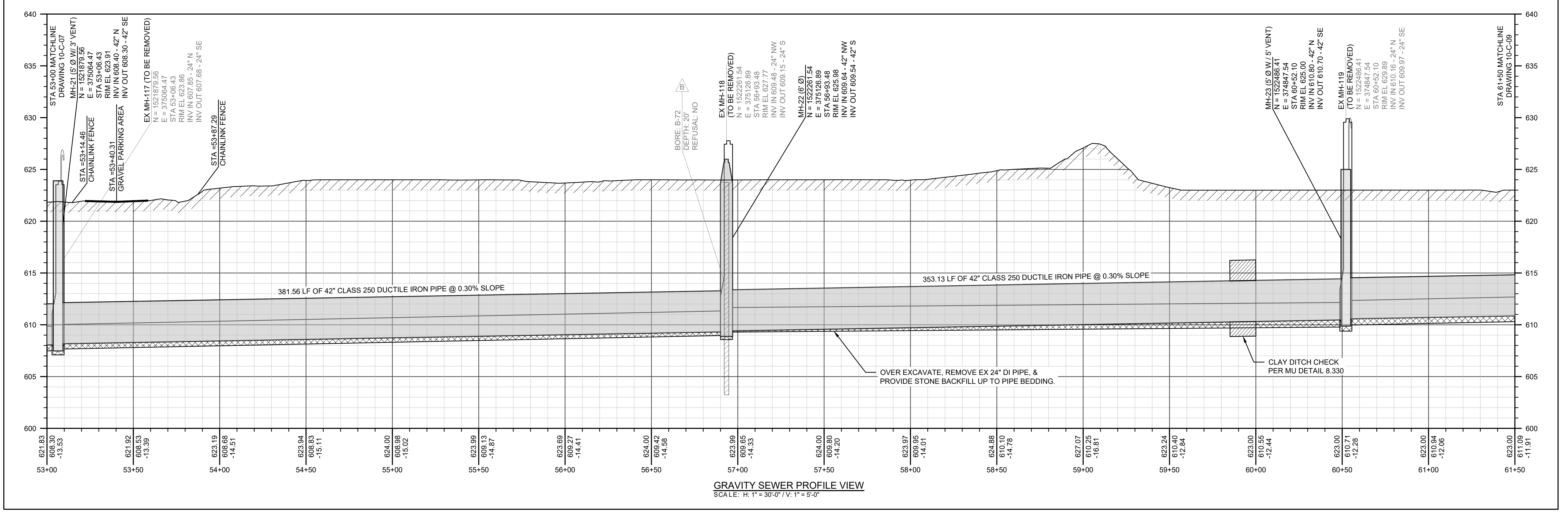
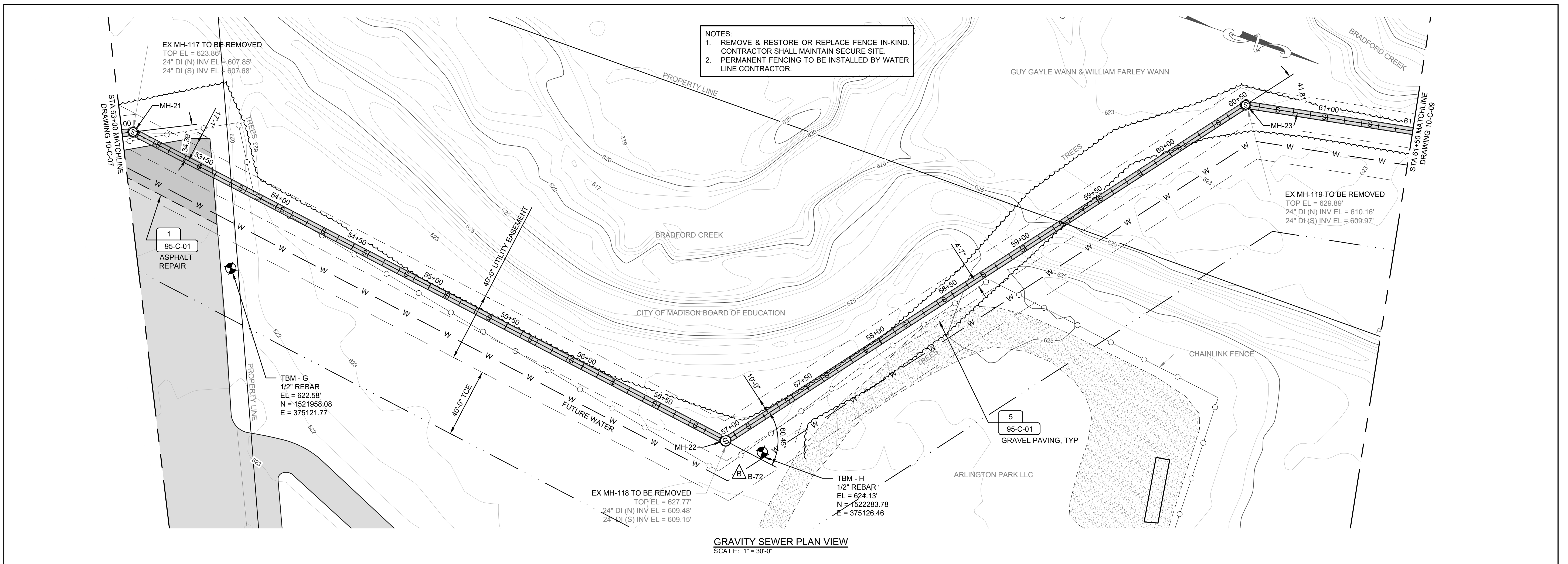
DRAWN BY: JFL

DWG: 10-C-07

SHEET NUMBER **11**



NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	AS-BUILT
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			<input type="checkbox"/>	<input type="checkbox"/>



MADISON UTILITIES
 MADISON, AL
 WESTERN INTERCEPTOR
 FROM MH-97 TO MH-127

GRAVITY SEWER
 PLAN & PROFILE
 FROM STA 53+00
 TO STA 61+50

BOX IS 2 IN WIDE
 AT FULL SCALE

JOB NO: MU-1930

DATE: MAY 2020

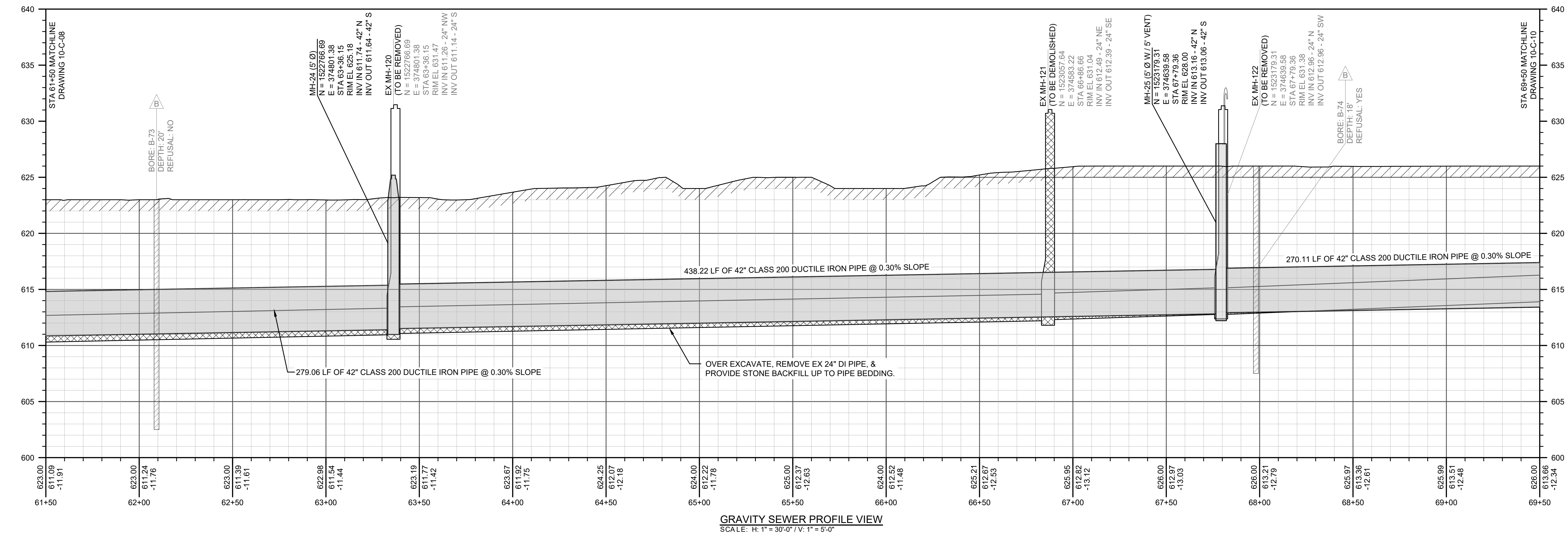
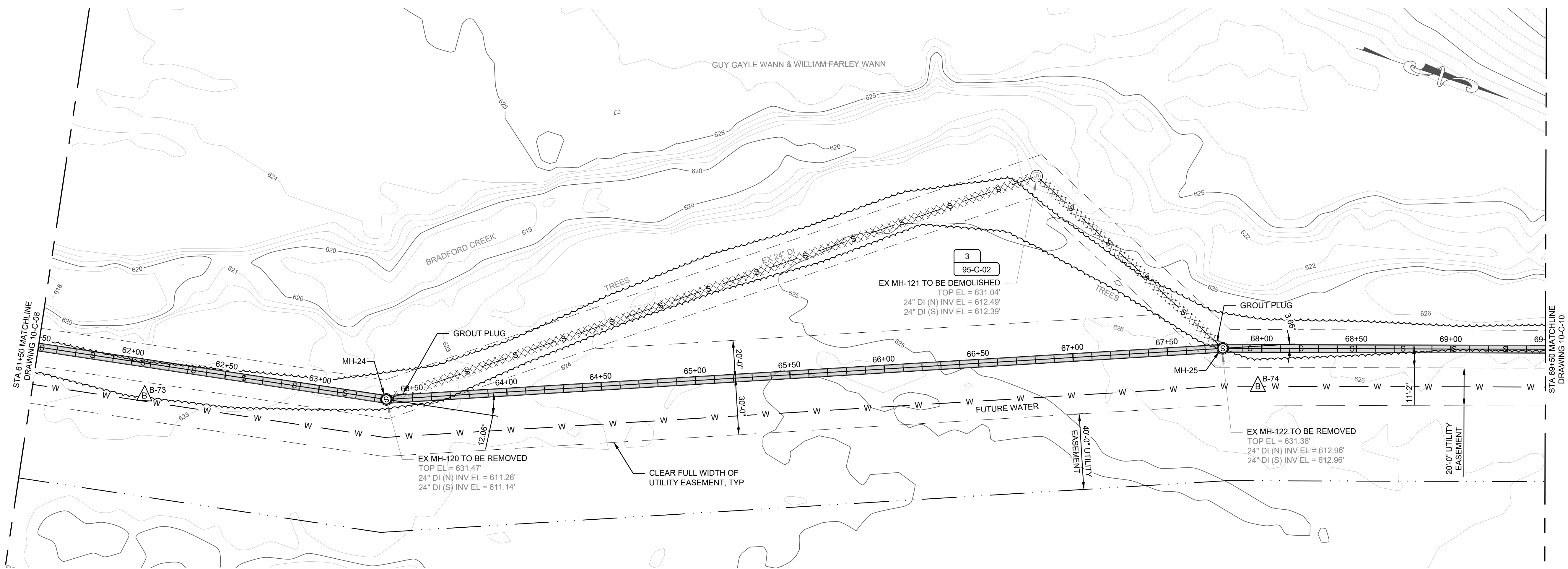
DESIGNED BY: CDS

DRAWN BY: JFL

DWG: 10-C-08

SHEET NUMBER **12**

NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	AS-BID	CONSTRUCTION REVISIONS	AS-BUILT
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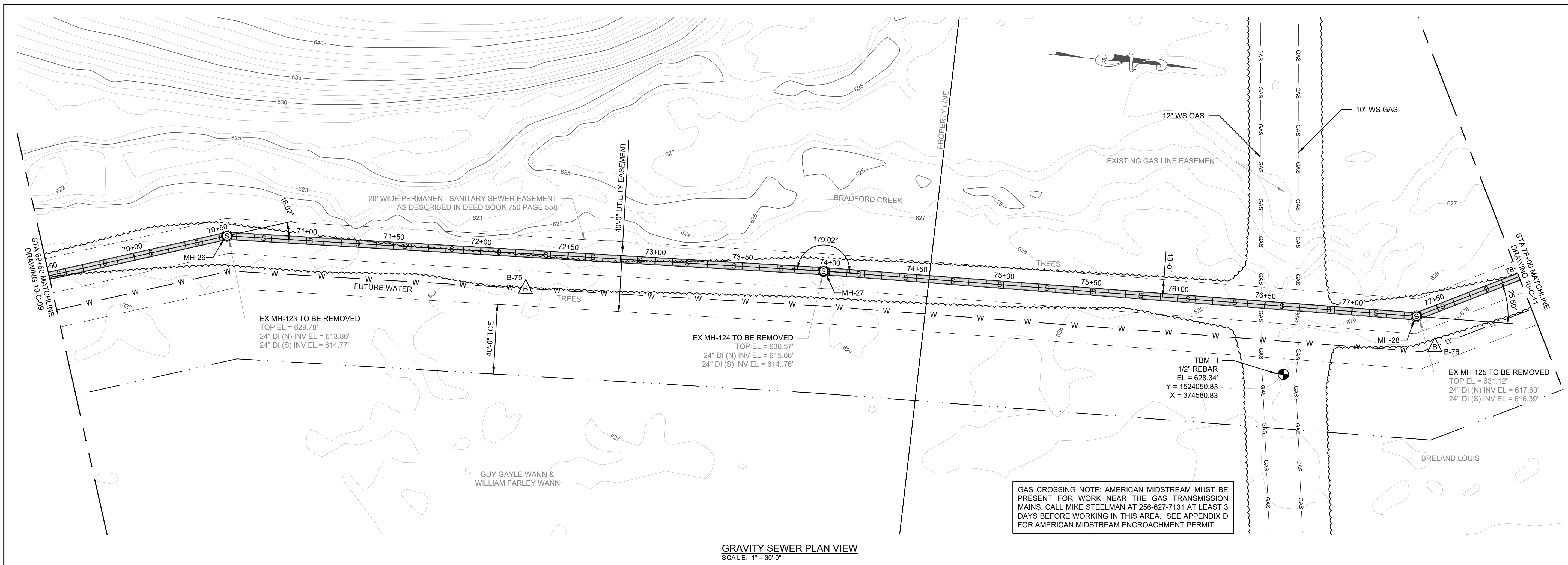


MADISON UTILITIES
MADISON, AL
WESTERN INTERCEPTOR
FROM MH-97 TO MH-127

GRAVITY SEWER
PLAN & PROFILE
FROM STA 61+50
TO STA 69+50

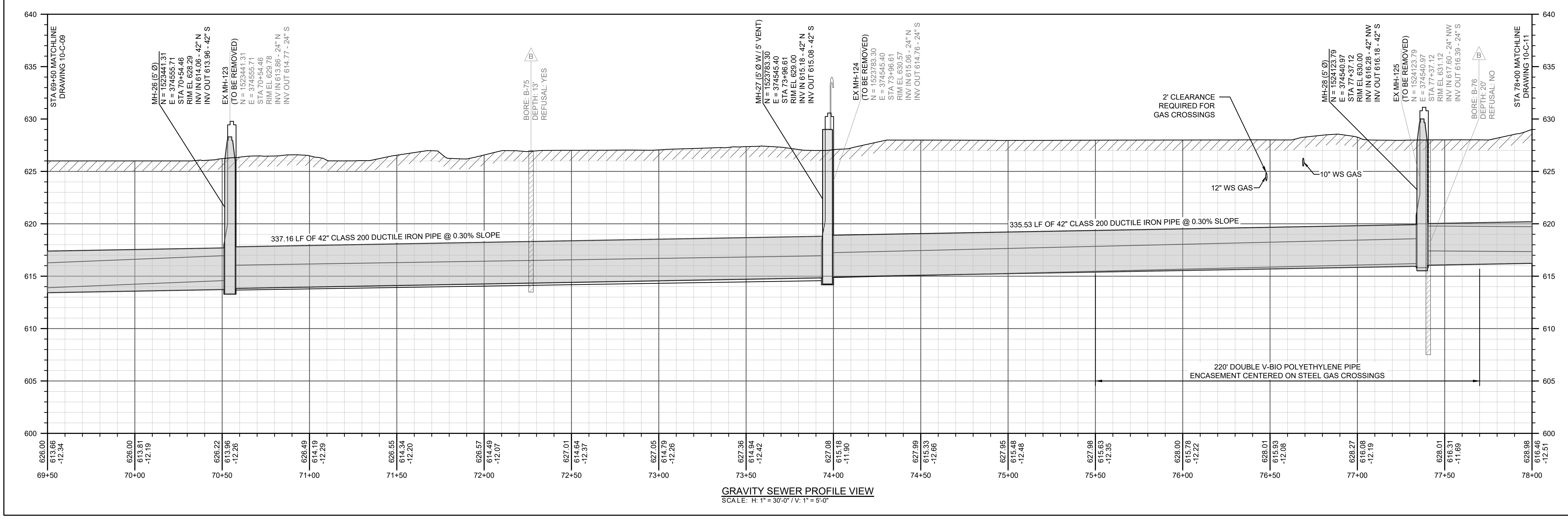
BOX IS 2 IN WIDE
AT FULL SCALE

JOB NO: MU-1930
DATE: MAY 2020
DESIGNED BY: CDS
DRAWN BY: JFL
DWG: 10-C-09
SHEET NUMBER **13**



GAS CROSSING NOTE: AMERICAN MIDSTREAM MUST BE PRESENT FOR WORK NEAR THE GAS TRANSMISSION MAINS. CALL MIKE STEELMAN AT 256-627-7131 AT LEAST 3 DAYS BEFORE WORKING IN THIS AREA. SEE APPENDIX D FOR AMERICAN MIDSTREAM ENCROACHMENT PERMIT.

NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	CONSTRUCTION REVISIONS	AS-BUILT
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



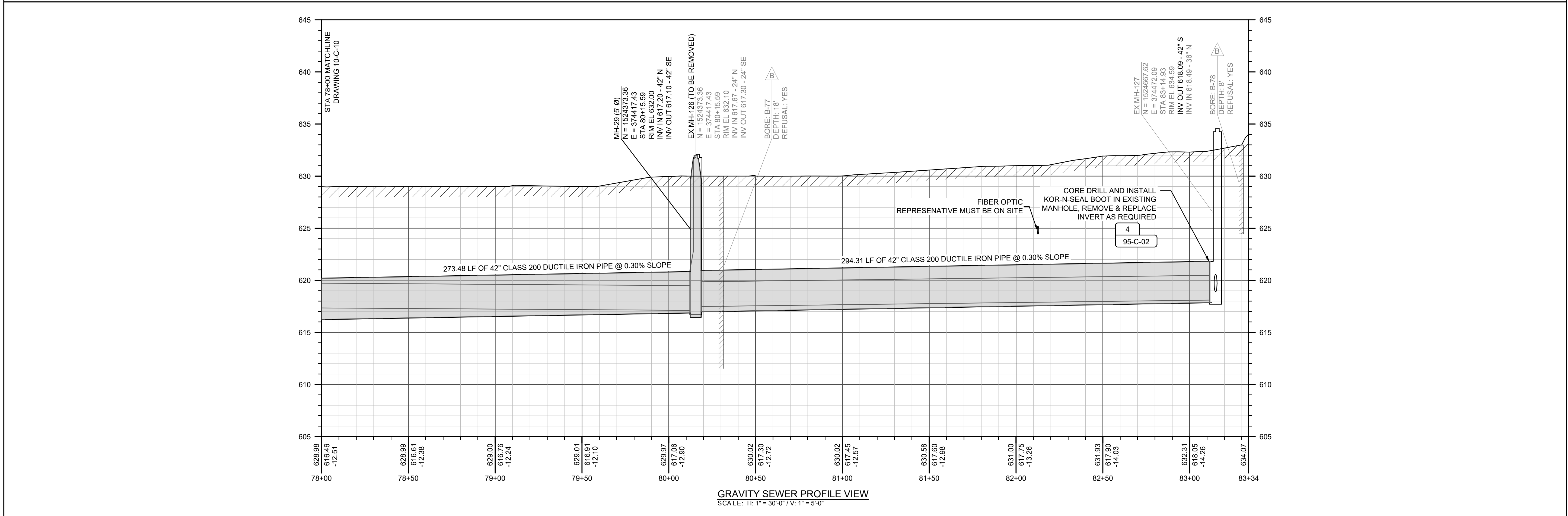
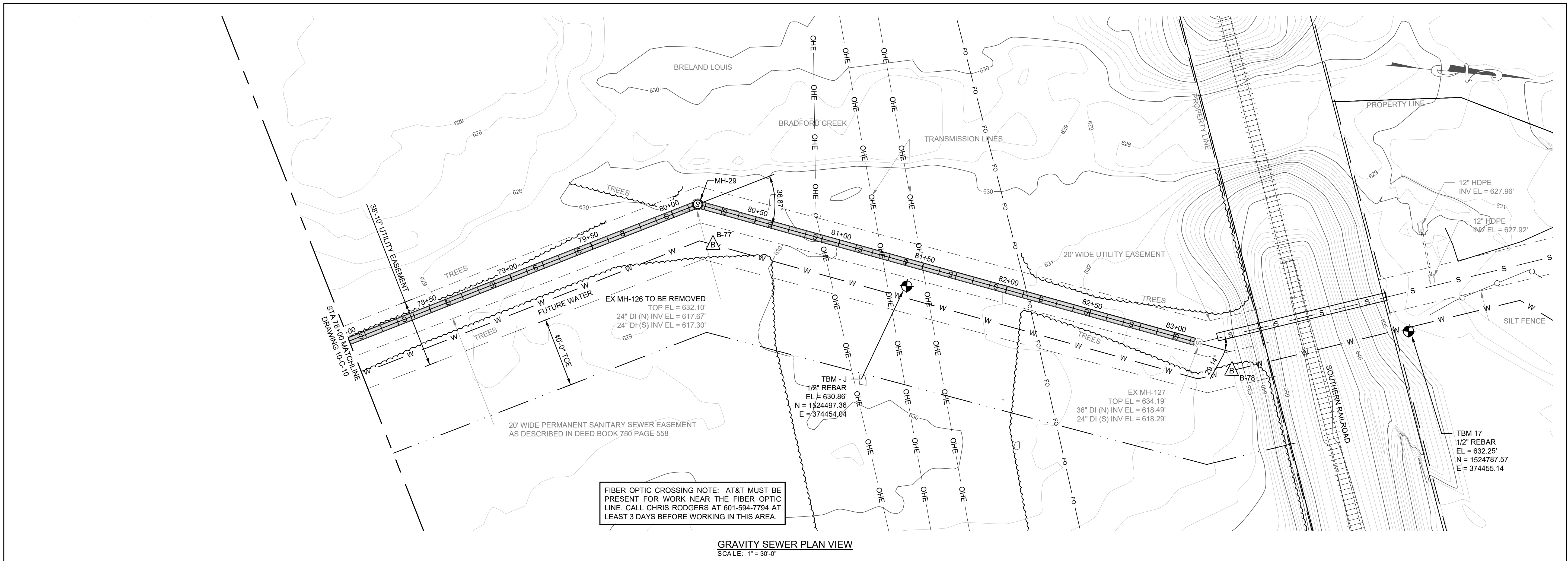
MADISON UTILITIES
MADISON, AL
WESTERN INTERCEPTOR
FROM MH-97 TO MH-127

GRAVITY SEWER
PLAN & PROFILE
FROM STA 69+50
TO STA 78+00

BOX IS 2 IN WIDE
AT FULL SCALE

JOB NO: MU-1930
DATE: MAY 2020
DESIGNED BY: CDS
DRAWN BY: JFL
DWG: 10-C-10
SHEET NUMBER **14**

NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	AS-BUILT
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MADISON UTILITIES
MADISON, AL
WESTERN INTERCEPTOR
FROM MH-97 TO MH-127

GRAVITY SEWER
PLAN & PROFILE
FROM STA 78+00
TO STA 83+34

BOX IS 2 IN WIDE
AT FULL SCALE

JOB NO: MU-1930

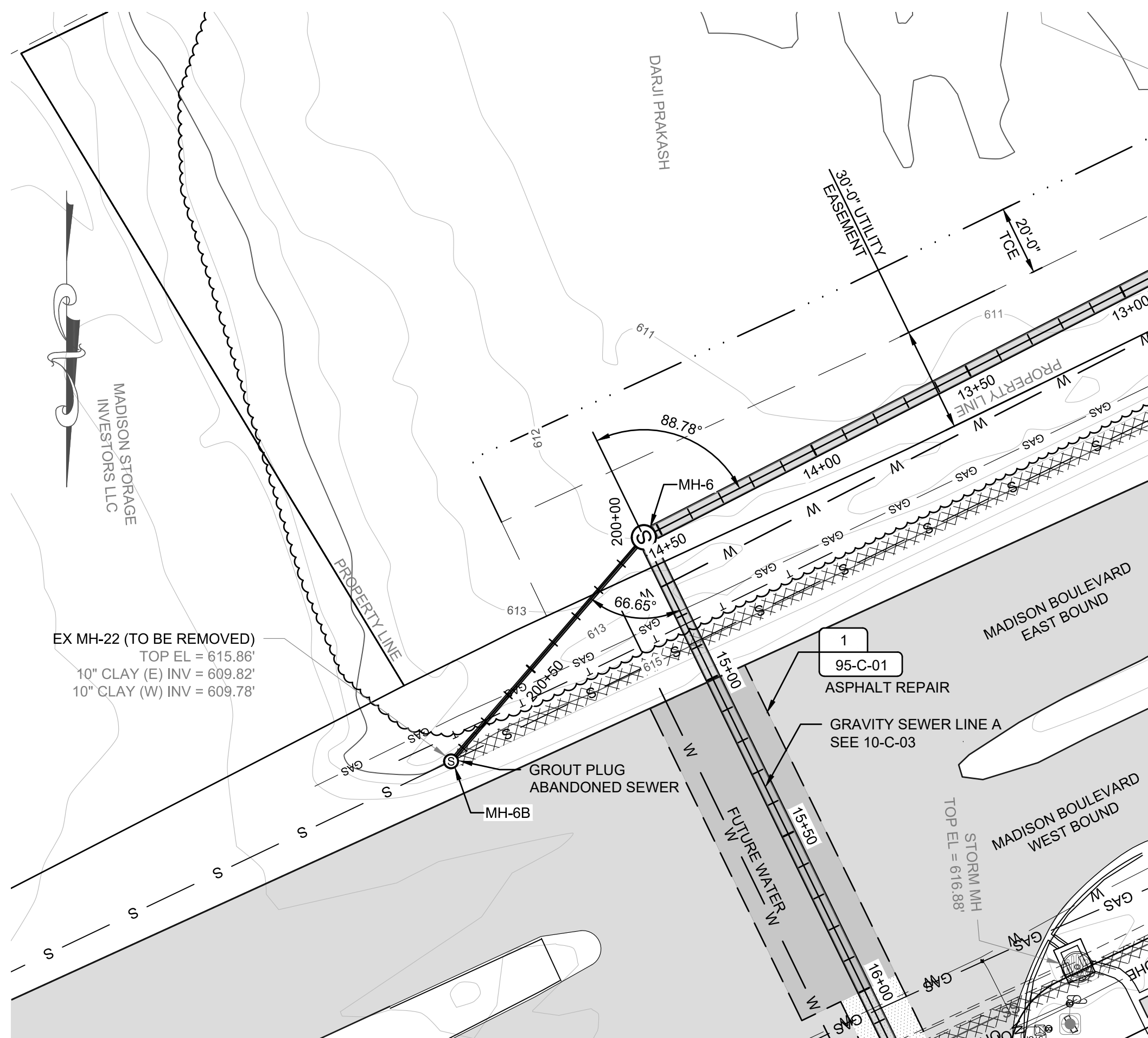
DATE: MAY 2020

DESIGNED BY: CDS

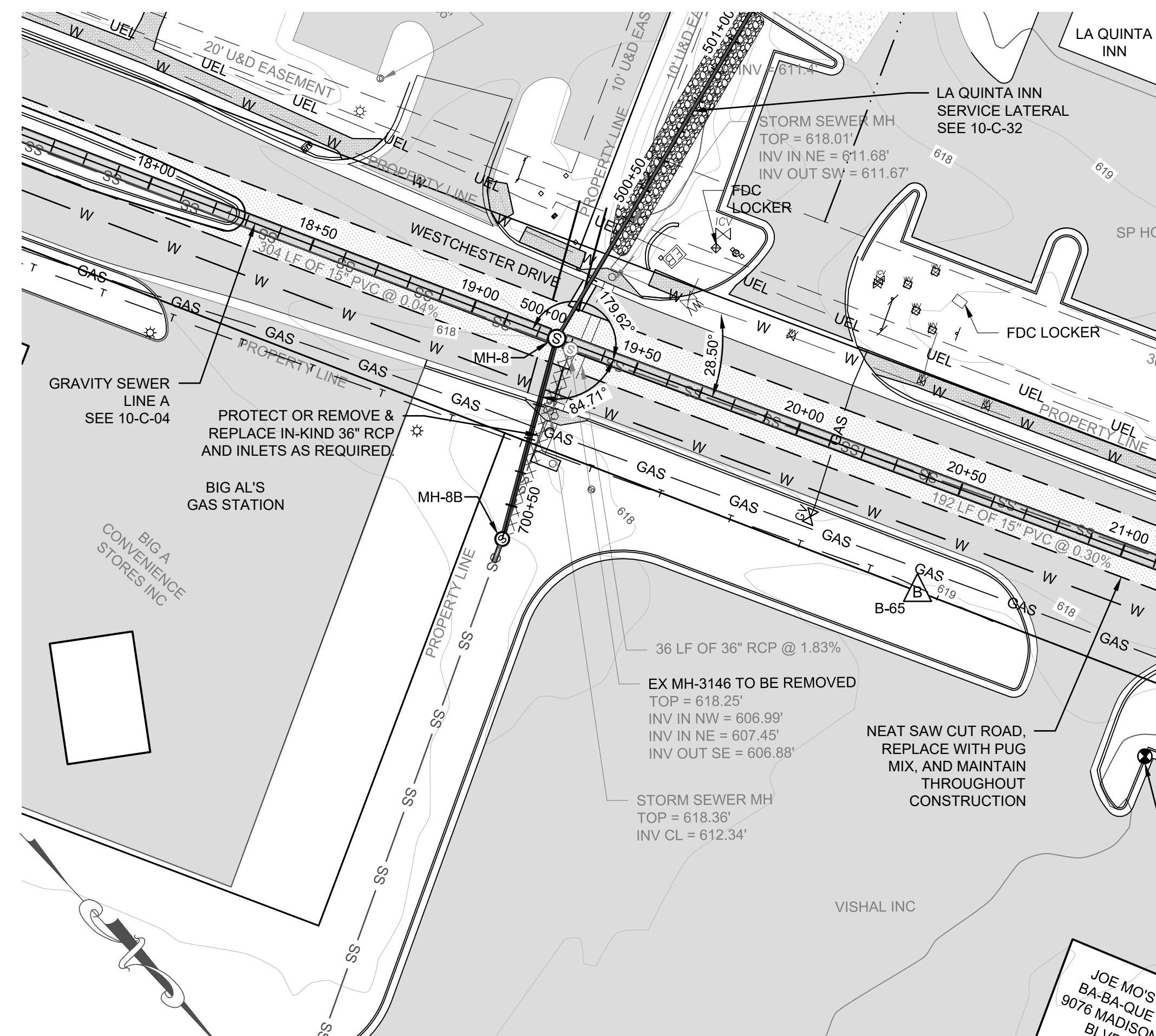
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DWG: 10-C-11

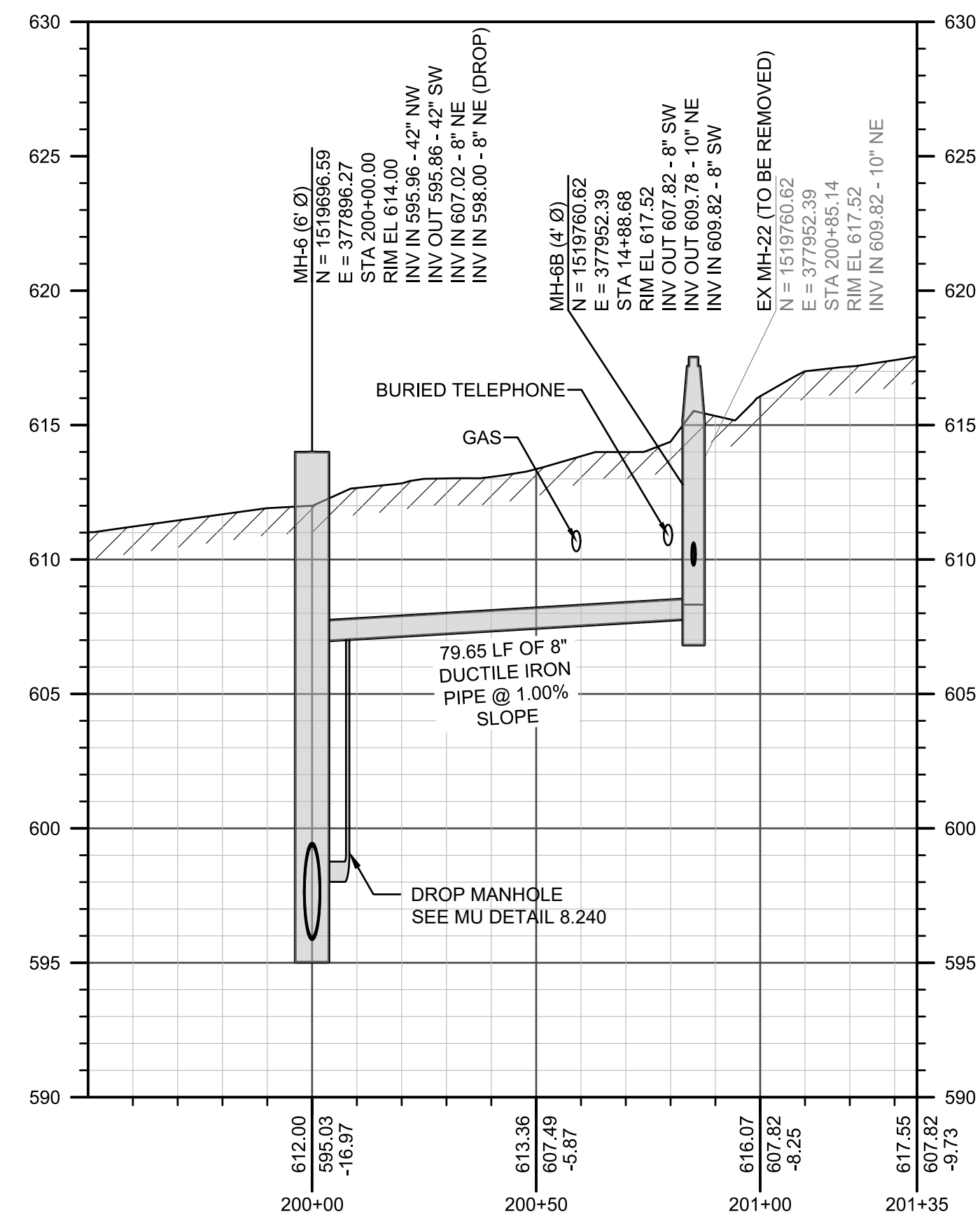
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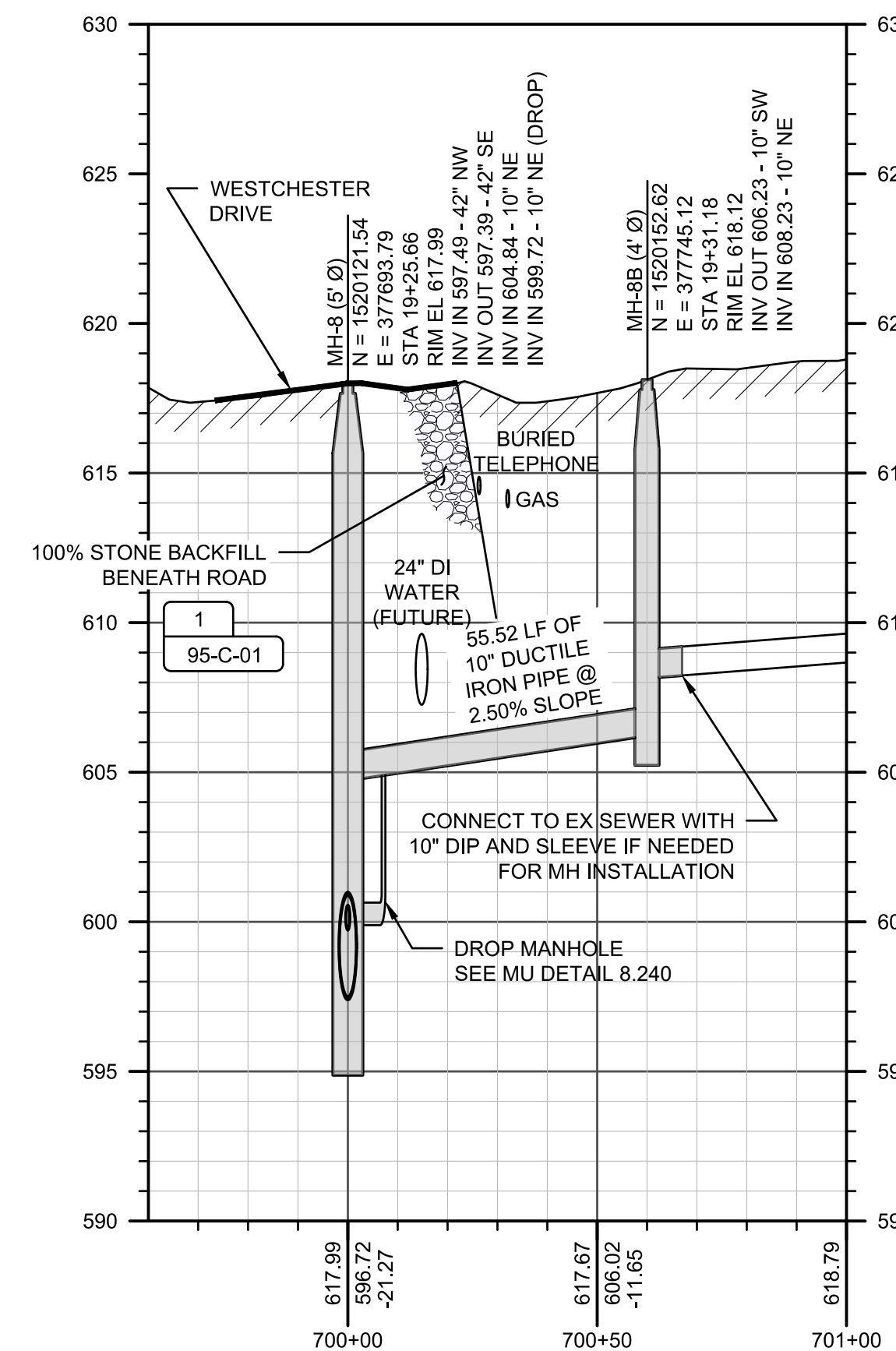
GRAVITY SEWER LINE B PLAN VIEW
SCALE: 1" = 30'-0"



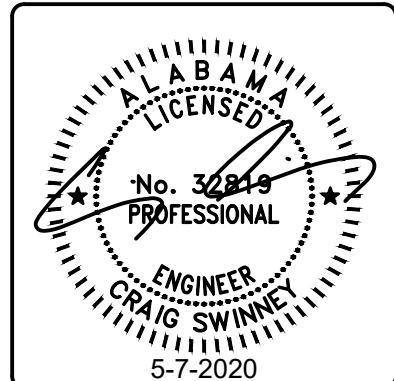
GRAVITY SEWER LINE C PLAN VIEW
SCALE: 1" = 30'-0"



GRAVITY SEWER LINE B PROFILE VIEW
SCALE: H: 1" = 30'-0" / V: 1" = 5'-0"



GRAVITY SEWER LINE C PROFILE VIEW
SCALE: H: 1" = 30'-0" / V: 1" = 5'-0"



NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	CONSTRUCTION REVISIONS	AS-BUILT
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

MADISON UTILITIES
MADISON, AL

WESTERN INTERCEPTOR
FROM MH-97 TO MH-127

GRAVITY SEWER LINES B & C PLANS & PROFILES

BOX IS 2 IN WIDE AT FULL SCALE

JOB NO: MU-1930

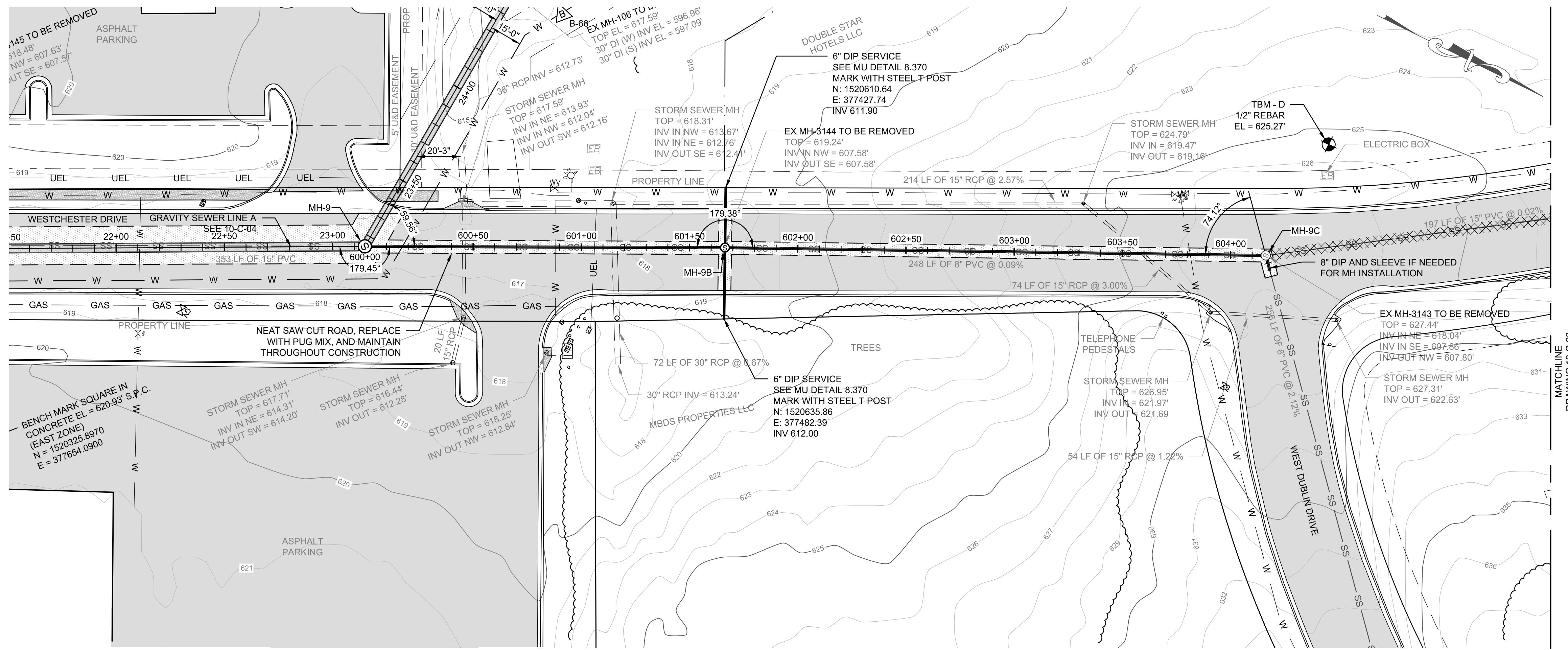
DATE: MAY 2020

DESIGNED BY: CDS

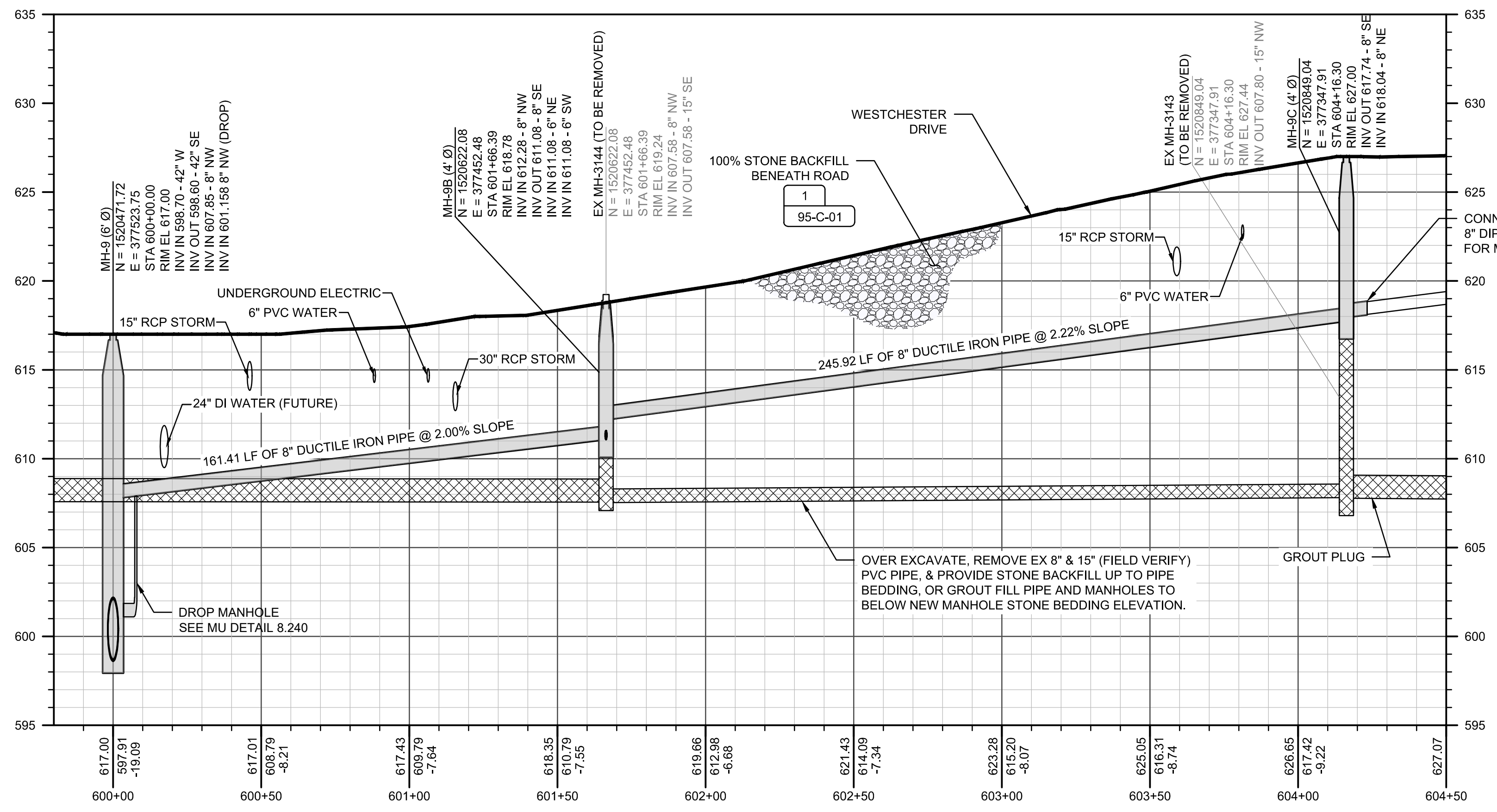
DRAWN BY: JFL

DWG: 10-C-21

SHEET NUMBER **16**



GRAVITY SEWER LINE D PLAN VIEW
SCALE: 1" = 30'-0"



GRAVITY SEWER LINE D PROFILE VIEW
SCALE: H: 1" = 30'-0" / V: 1" = 5'-0"

NO.	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	CONSTRUCTION REVISIONS	AS-BUILT
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

MADISON UTILITIES
MADISON, AL

WESTERN INTERCEPTOR
FROM MH-97 TO MH-127

GRAVITY SEWER
LINE D
PLAN & PROFILE

BOX IS 2 IN WIDE
AT FULL SCALE

JOB NO: MU-1930
DATE: MAY 2020
DESIGNED BY: CDS
DRAWN BY: JFL
DWG: 10-C-22
SHEET NUMBER **17**

NO.	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	AS-BUILT
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MADISON UTILITIES
MADISON, AL
WESTERN INTERCEPTOR
FROM MH-97 TO MH-127

GRAVITY SEWER LINES E & F
PLAN & PROFILES

BOX IS 2 IN WIDE
AT FULL SCALE

JOB NO: MU-1930

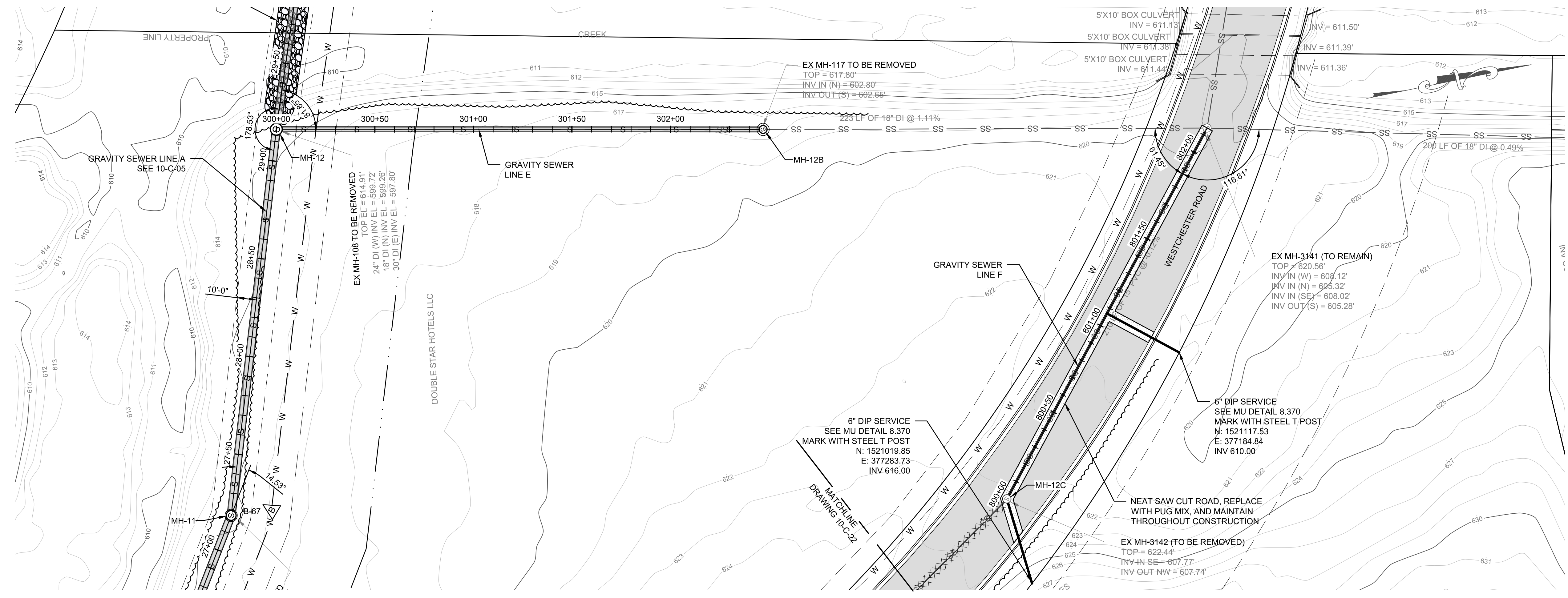
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DESIGNED BY: CDS

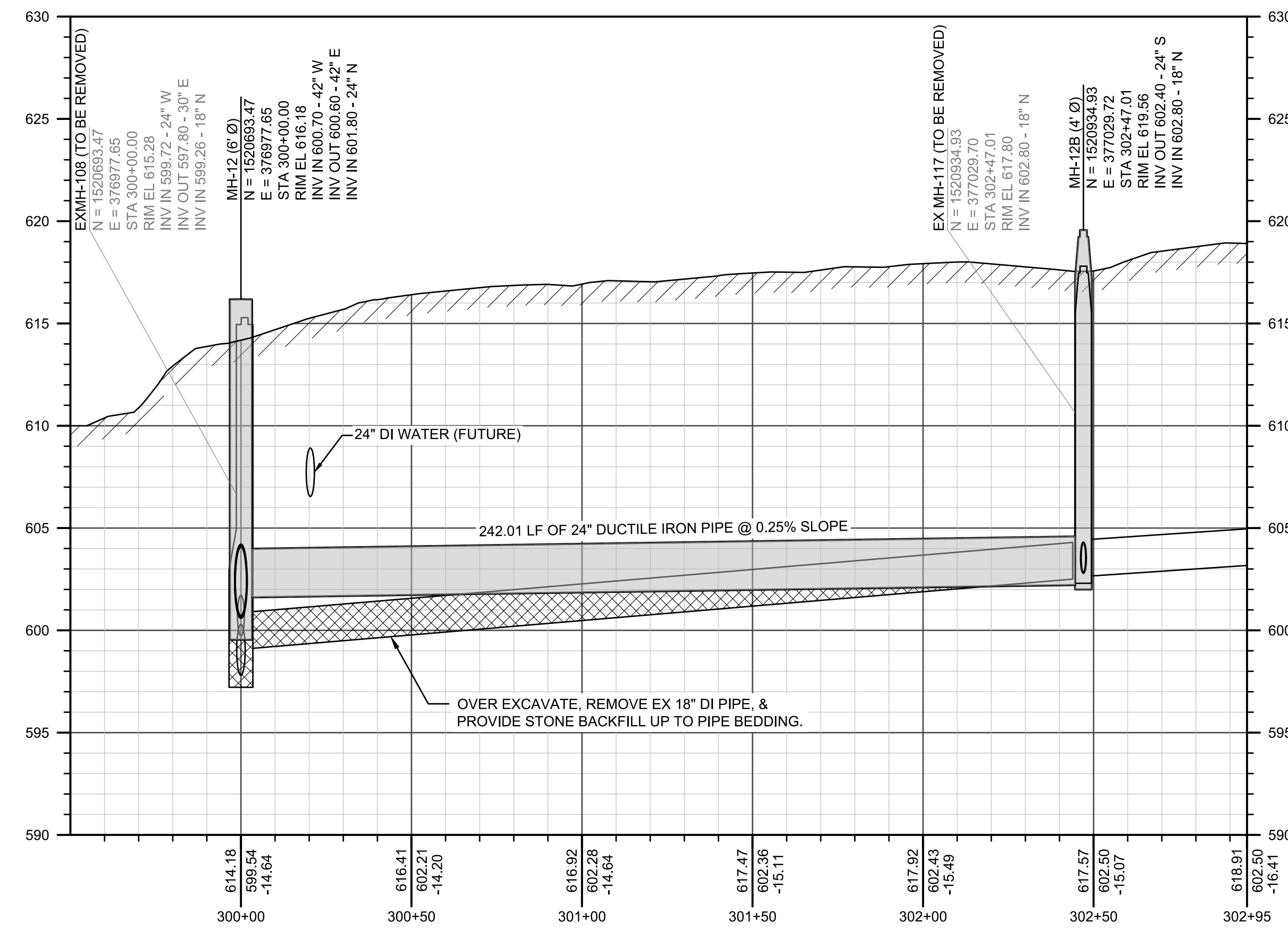
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DWG: 10-C-23

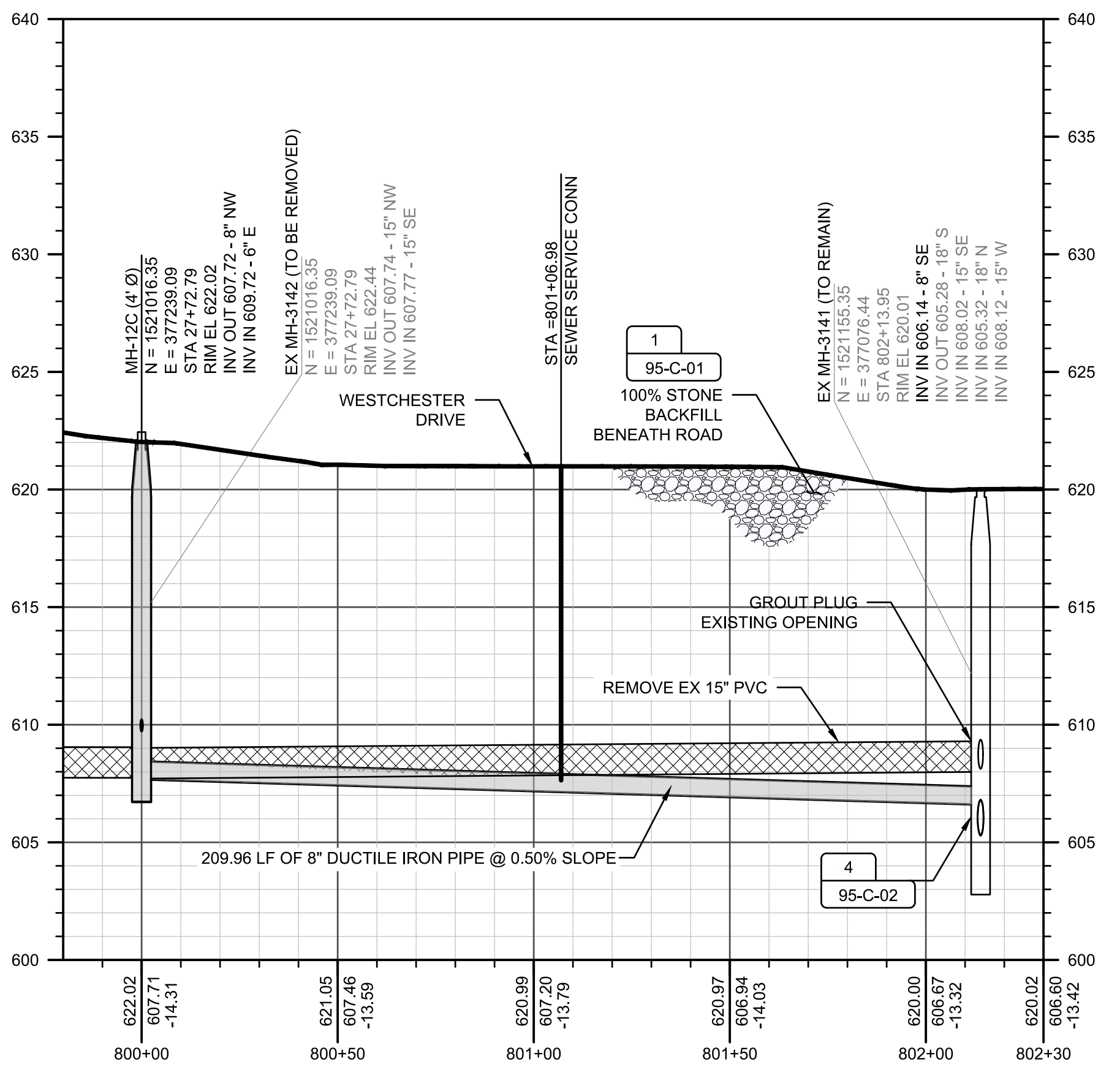
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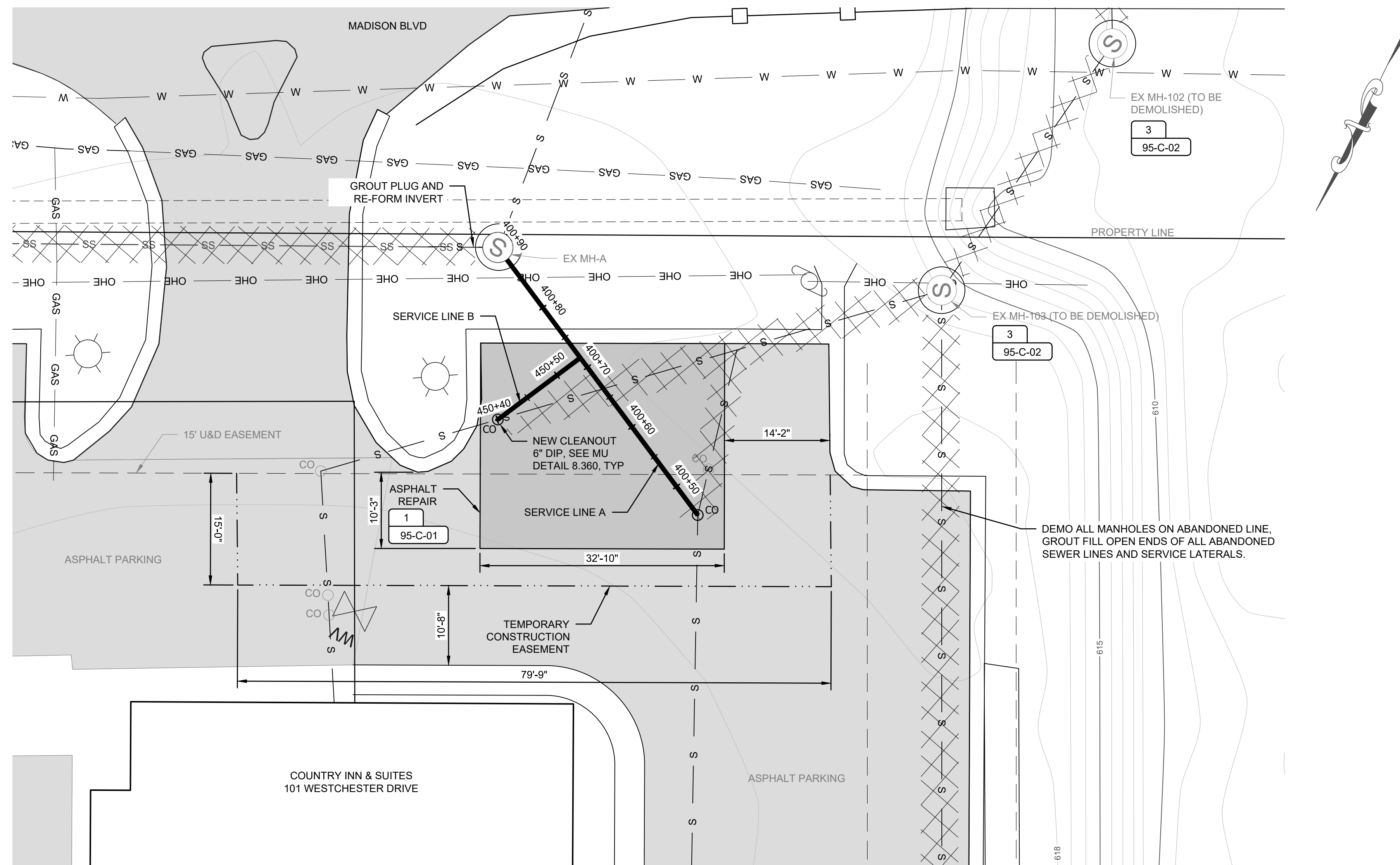
GRAVITY SEWER LINES E & F PLAN VIEW
SCALE: 1" = 30'-0"



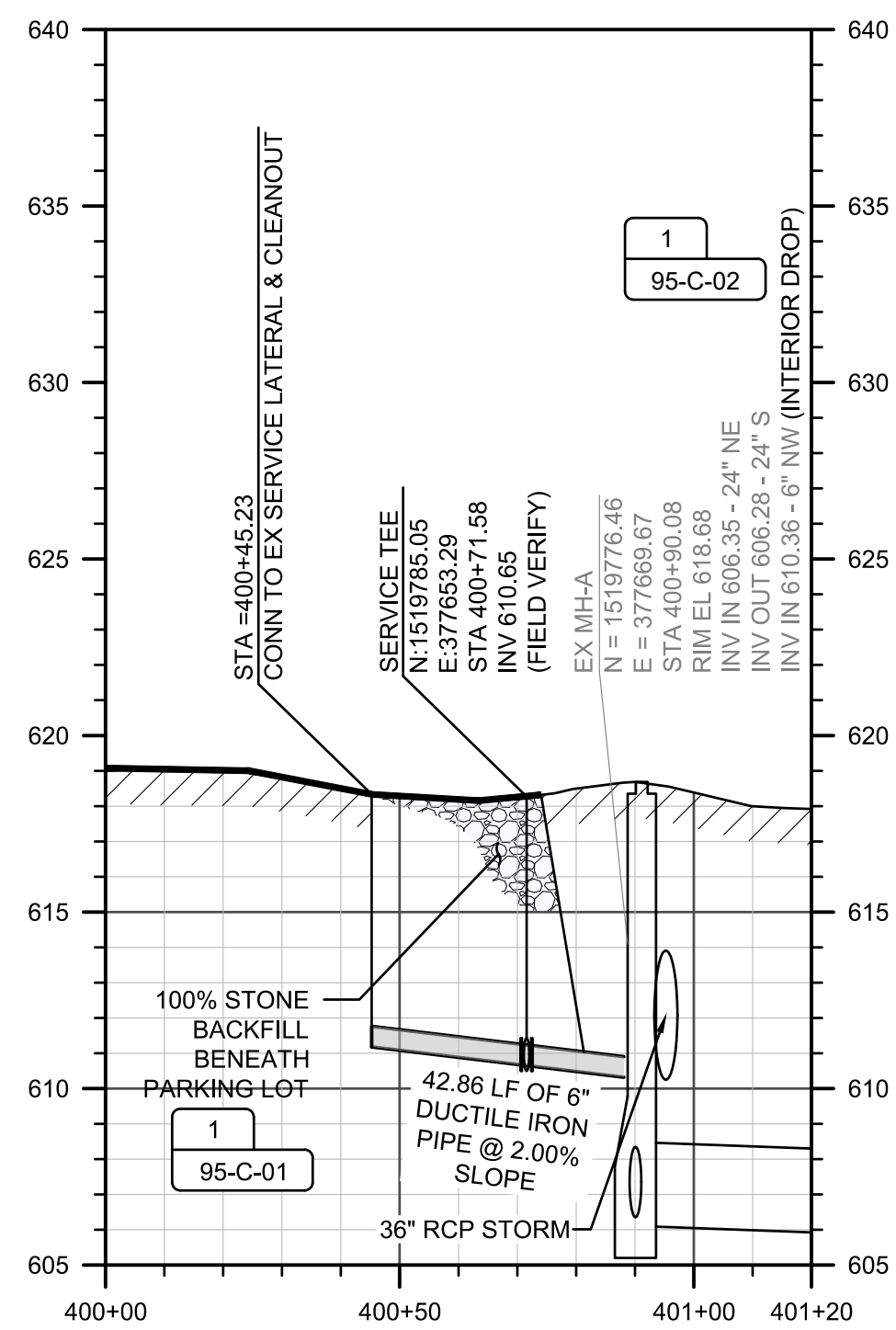
GRAVITY SEWER LINE E PROFILE VIEW
SCALE: H: 1" = 30'-0" / V: 1" = 5'-0"



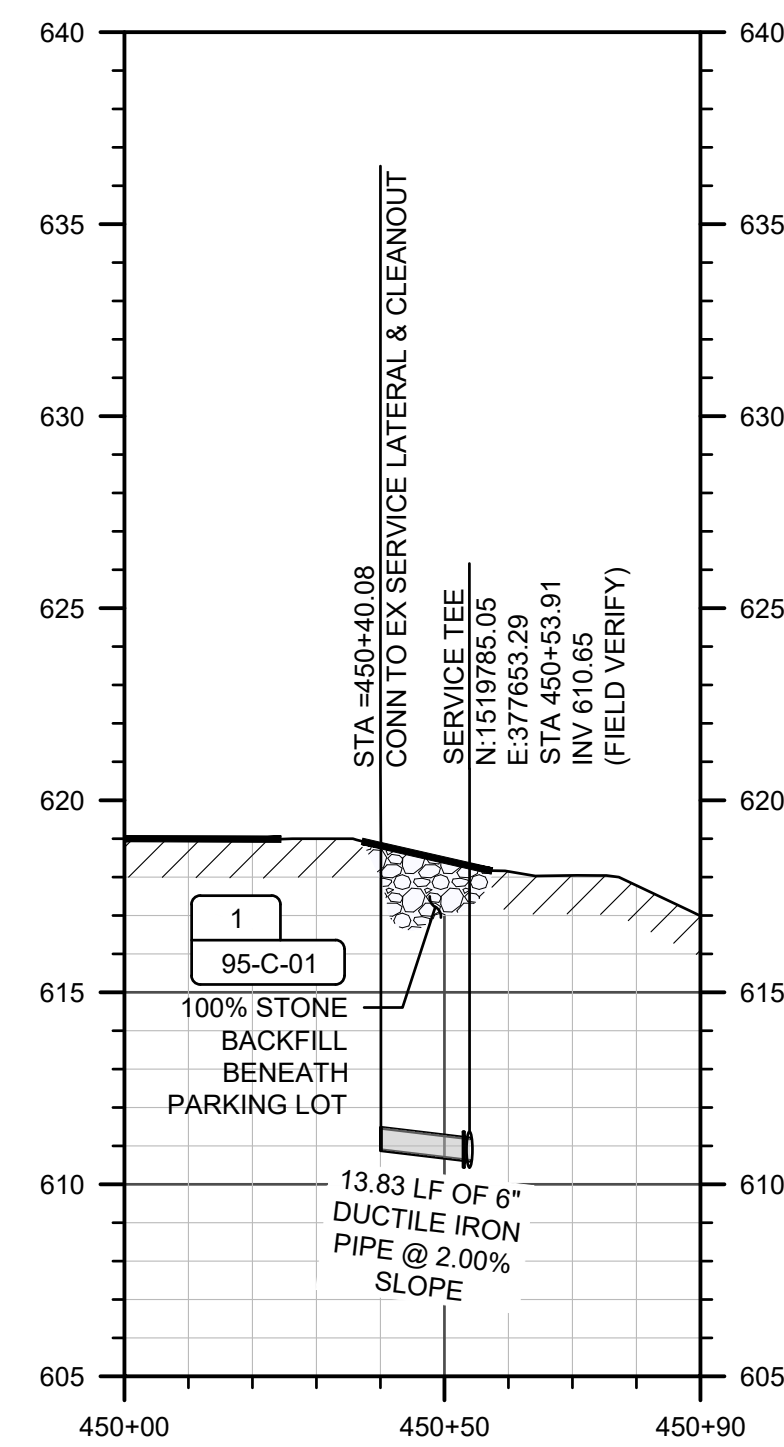
GRAVITY SEWER LINE F PROFILE VIEW
SCALE: H: 1" = 30'-0" / V: 1" = 5'-0"



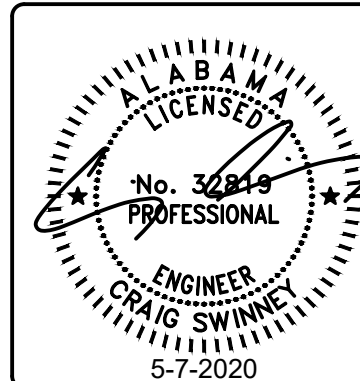
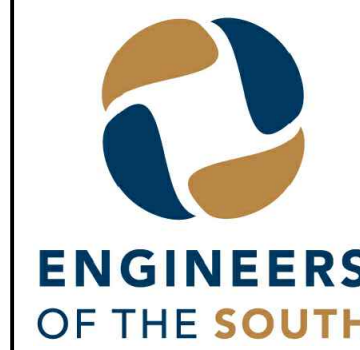
COUNTRY INN SERVICE PLAN VIEW
SCALE: 1" = 10'-0"



COUNTRY INN SERVICE PROFILE VIEW A
SCALE: H: 1" = 30'-0" / V: 1" = 5'-0"



COUNTRY INN SERVICE PROFILE VIEW B
SCALE: H: 1" = 30'-0" / V: 1" = 5'-0"



NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	AS-BID	CONSTRUCTION REVISIONS	AS-BUILT
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MADISON UTILITIES
MADISON, AL
WESTERN INTERCEPTOR
FROM MH-97 TO MH-127

COUNTRY INN
SEWER LATERAL
PLAN & PROFILES

BOX IS 2 IN WIDE
AT FULL SCALE

JOB NO: MU-1930

DATE: MAY 2020

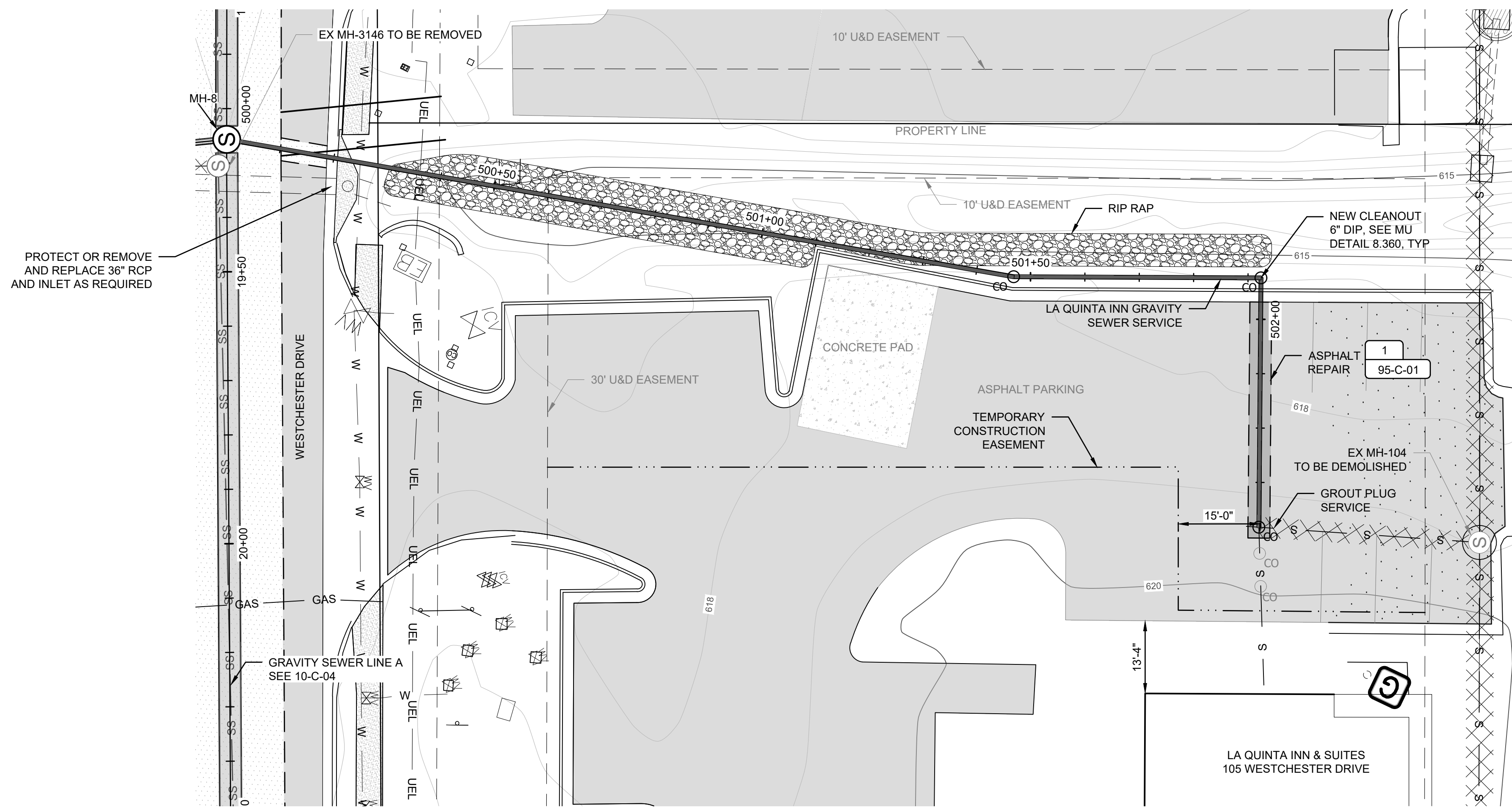
DESIGNED BY: CDS

DRAWN BY: JFL

DWG: 10-C-31

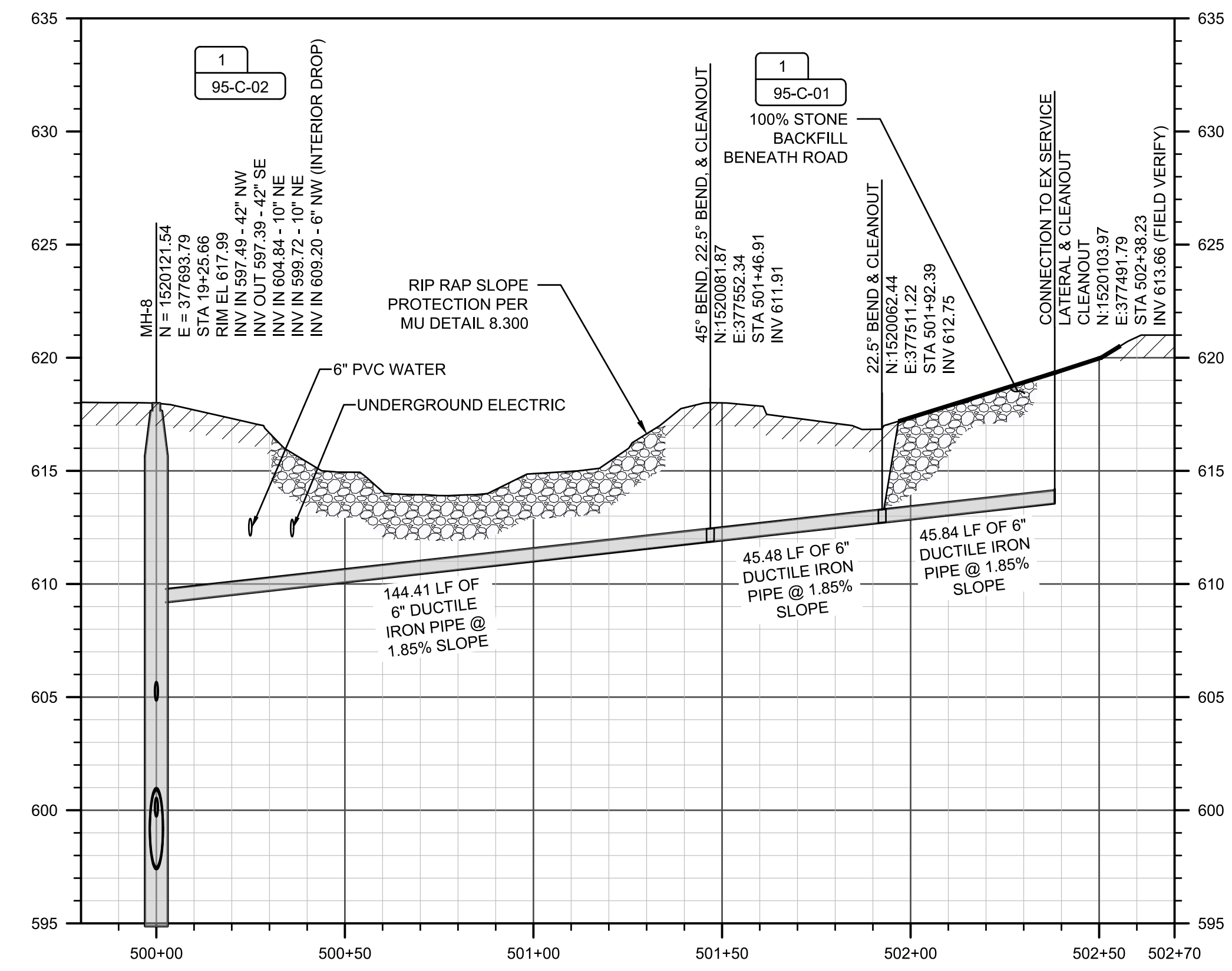
SHEET NUMBER **19**

NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	AS-BID	CONSTRUCTION REVISIONS	AS-BUILT
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



- NOTES:
1. SHUT OFF WATER TO SPRINKLER SYSTEM AT METER BEFORE DIGGING. COORDINATE WITH OWNER.
 2. PROTECT OR REPLACE SPRINKLERS, WATER LINES, AND ELECTRICAL CONDUIT.
 3. CONTACT US LAWNS AT 256-656-0411 FOR REPLACEMENT OF ANY DAMAGED SPRINKLER HEADS.
 4. REMOVE TREES AS REQUIRED.
 5. RIPRAP DISTURBED CREEK BANKS AS SHOWN.
 6. SOD DISTURBED GRASSED AREAS

LA QUINTA INN SERVICE PLAN VIEW
SCALE: 1" = 15'-0"



LA QUINTA INN SERVICE PROFILE VIEW
SCALE: H: 1" = 30'-0" / V: 1" = 6'-0"

MADISON UTILITIES
MADISON, AL
WESTERN INTERCEPTOR
FROM MH-97 TO MH-127

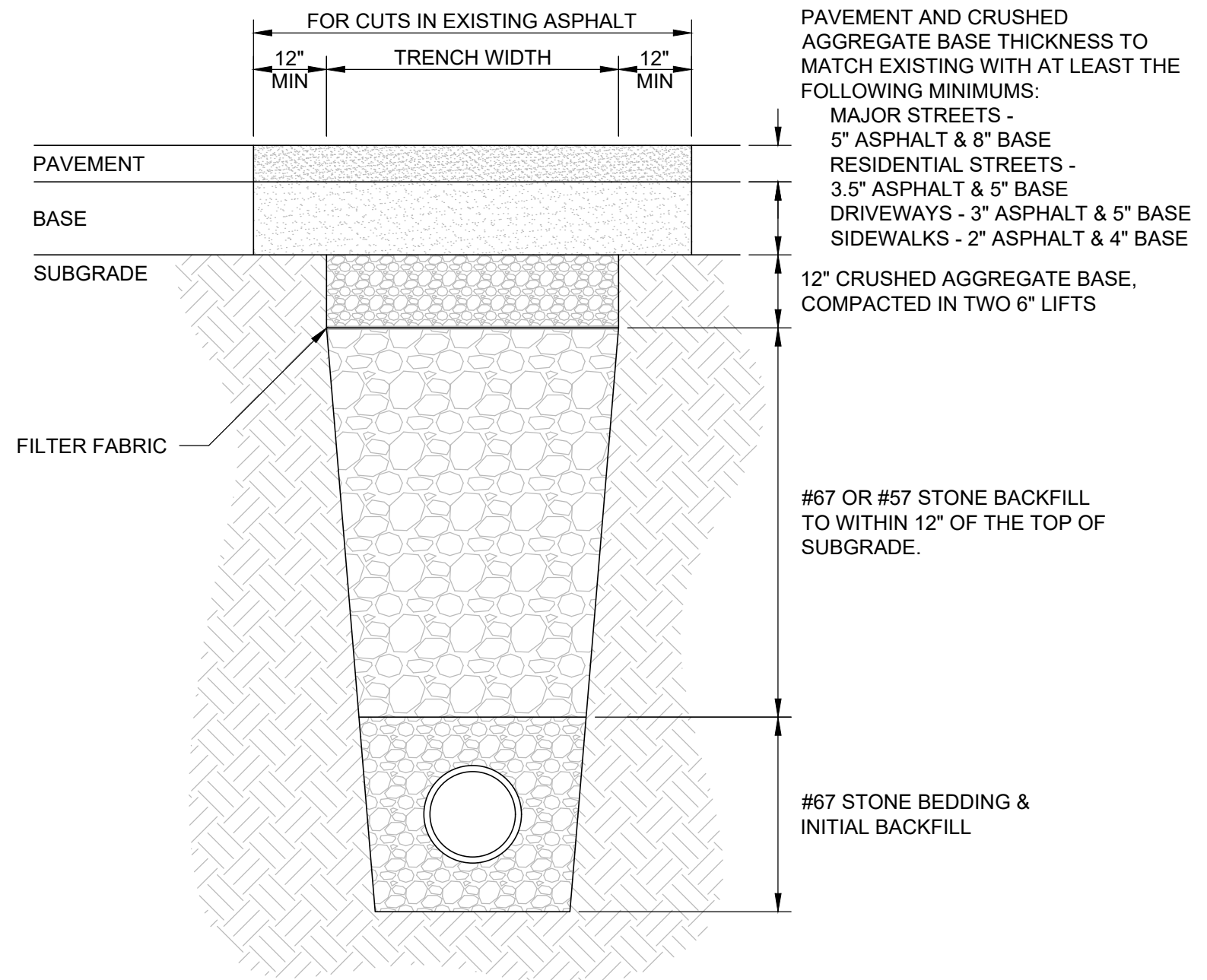
LA QUINTA INN
SEWER LATERAL
PLAN & PROFILE

BOX IS 2 IN WIDE
AT FULL SCALE

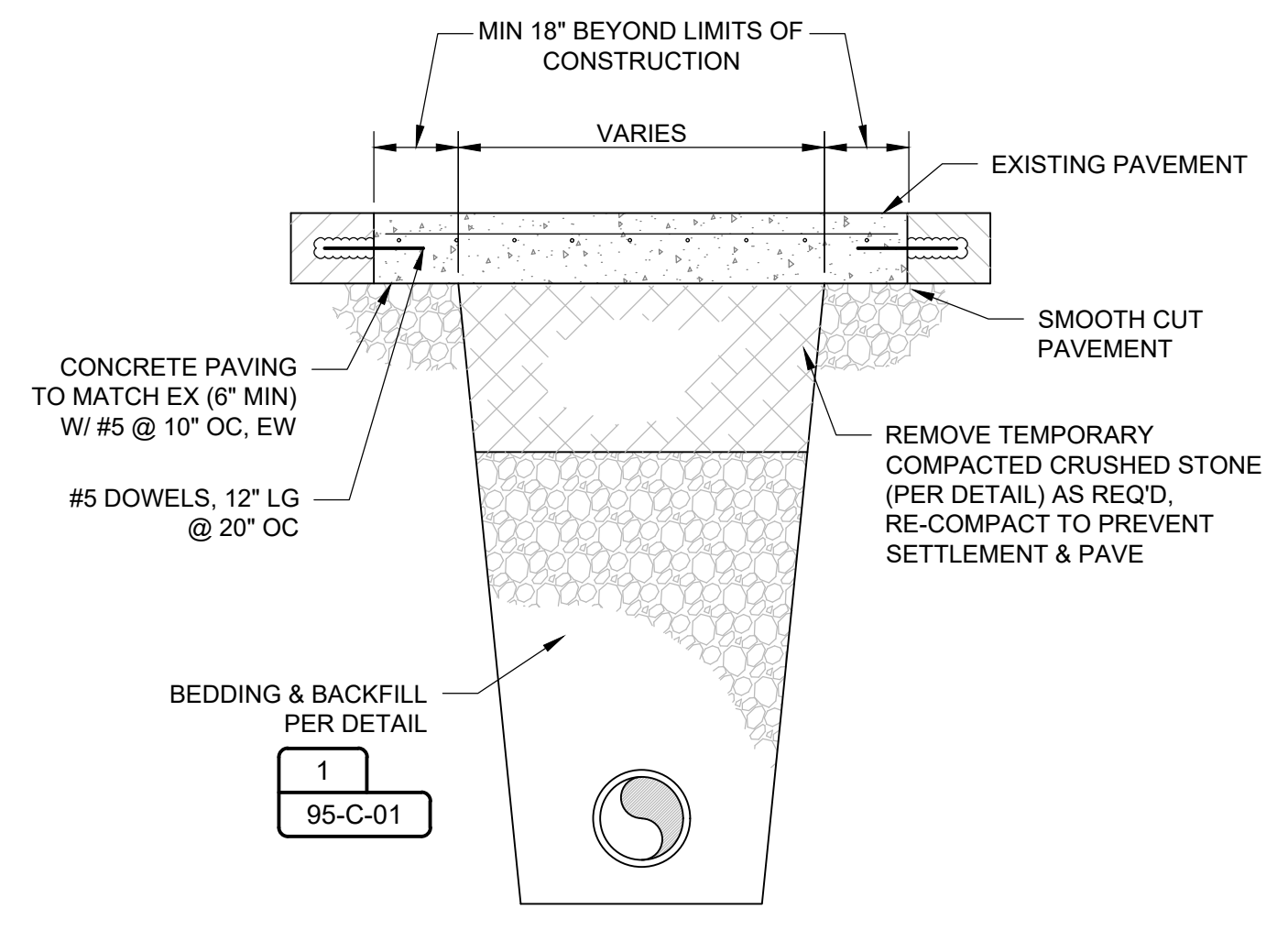
JOB NO: MU-1930
DATE: MAY 2020
DESIGNED BY: CDS
DRAWN BY: JFL
DWG: 10-C-32

SHEET NUMBER **20**

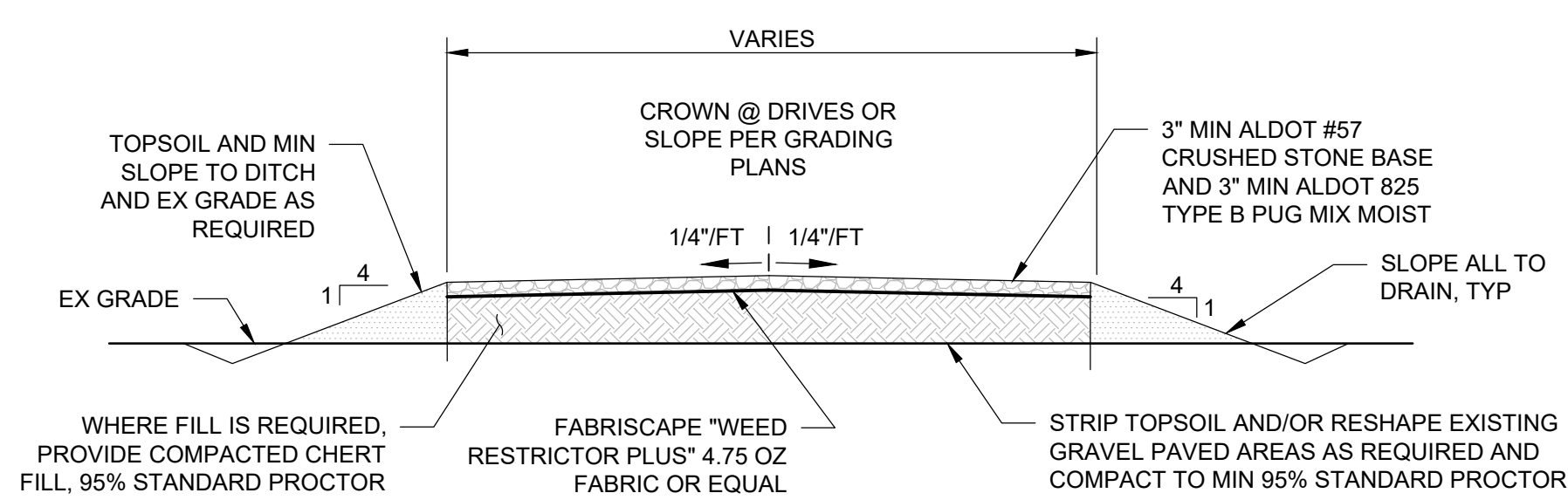
- NOTES:**
1. THIS DETAIL SHALL SUPERCEDE STANDARD DRAWING NO. 8.120 IN "CONSTRUCTION SPECIFICATIONS FOR WATER AND SANITARY SEWER" BY MADISON UTILITIES.
 2. RESURFACE AREAS SHALL HAVE 1.5" ASPHALT WEARING SURFACE AND MUST BE MILLED AROUND EDGES TO MATCH ADJACENT PAVEMENT, CURBS, ASPHALT, ETC.
 3. IN EXISTING ROADS: SAWCUT PERIMETER OF PAVEMENT TO BE REPLACED.
 4. REPLACE ALL PAVEMENT DAMAGED OR UNDERMINED BY THE UTILITY INSTALLATION.
 5. TRENCH BACKFILL & PAVEMENT REPLACEMENT TO MEET THE MADISON CITY SPECIFICATIONS. CALL 256-772-5639 FOR CITY INSPECTION PRIOR TO PLACING THE NEW PAVEMENT SURFACE.



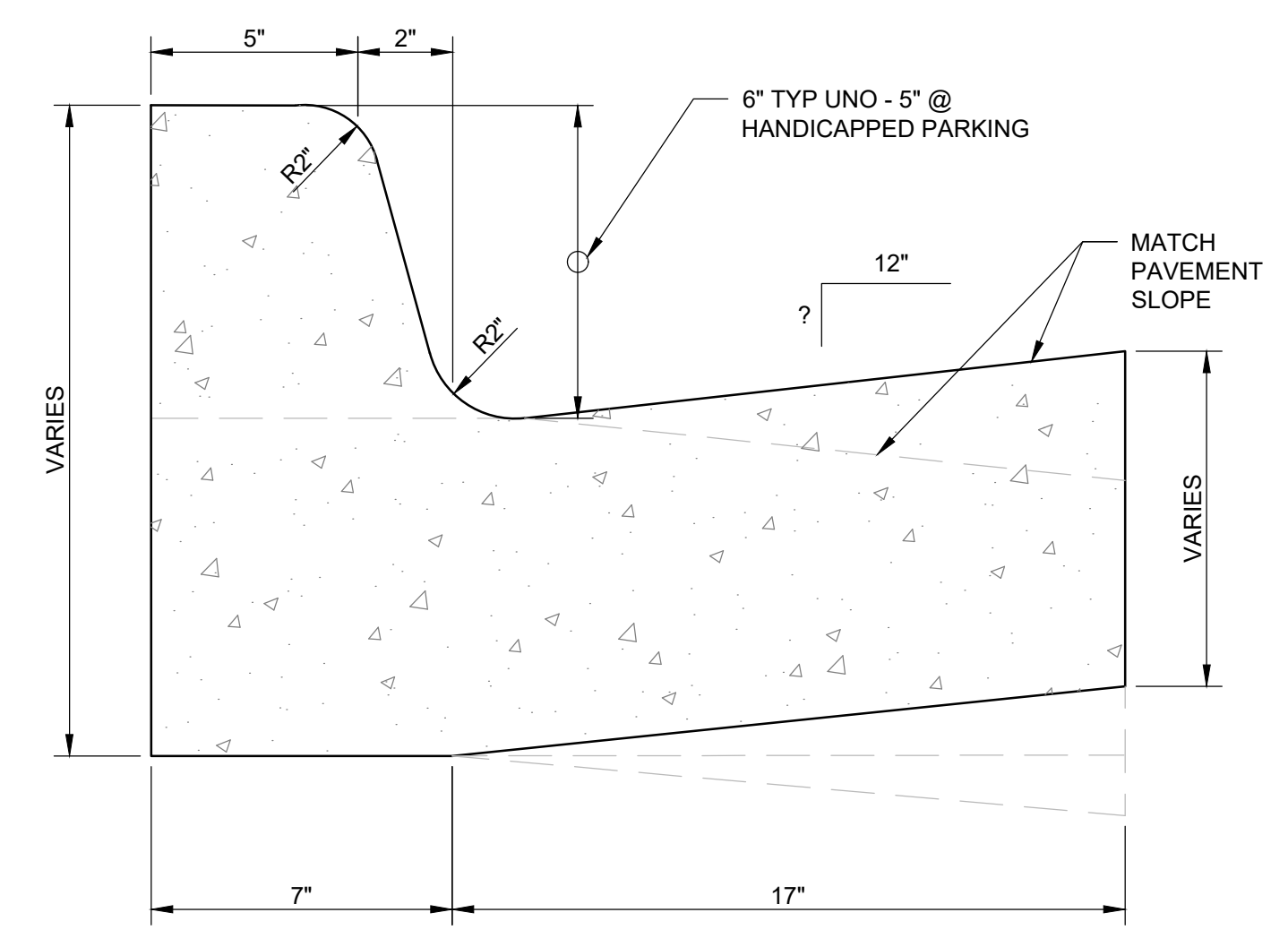
1
95-C-01
UTILITY TRENCH REPAIRS UNDER EXISTING ASPHALT SURFACES
SCALE: NOT TO SCALE



2
95-C-01
UTILITY TRENCH REPAIRS UNDER EXISTING CONCRETE SURFACES
SCALE: NOT TO SCALE

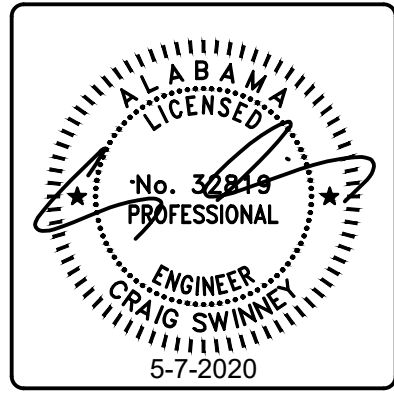
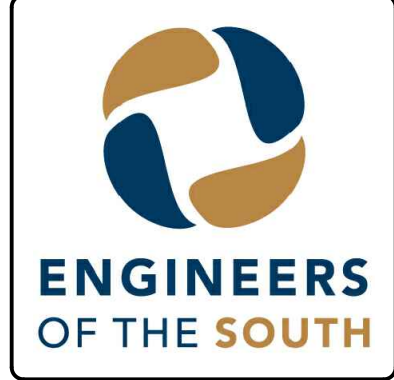


5
95-C-01
GRAVEL PAVING
SCALE: NOT TO SCALE



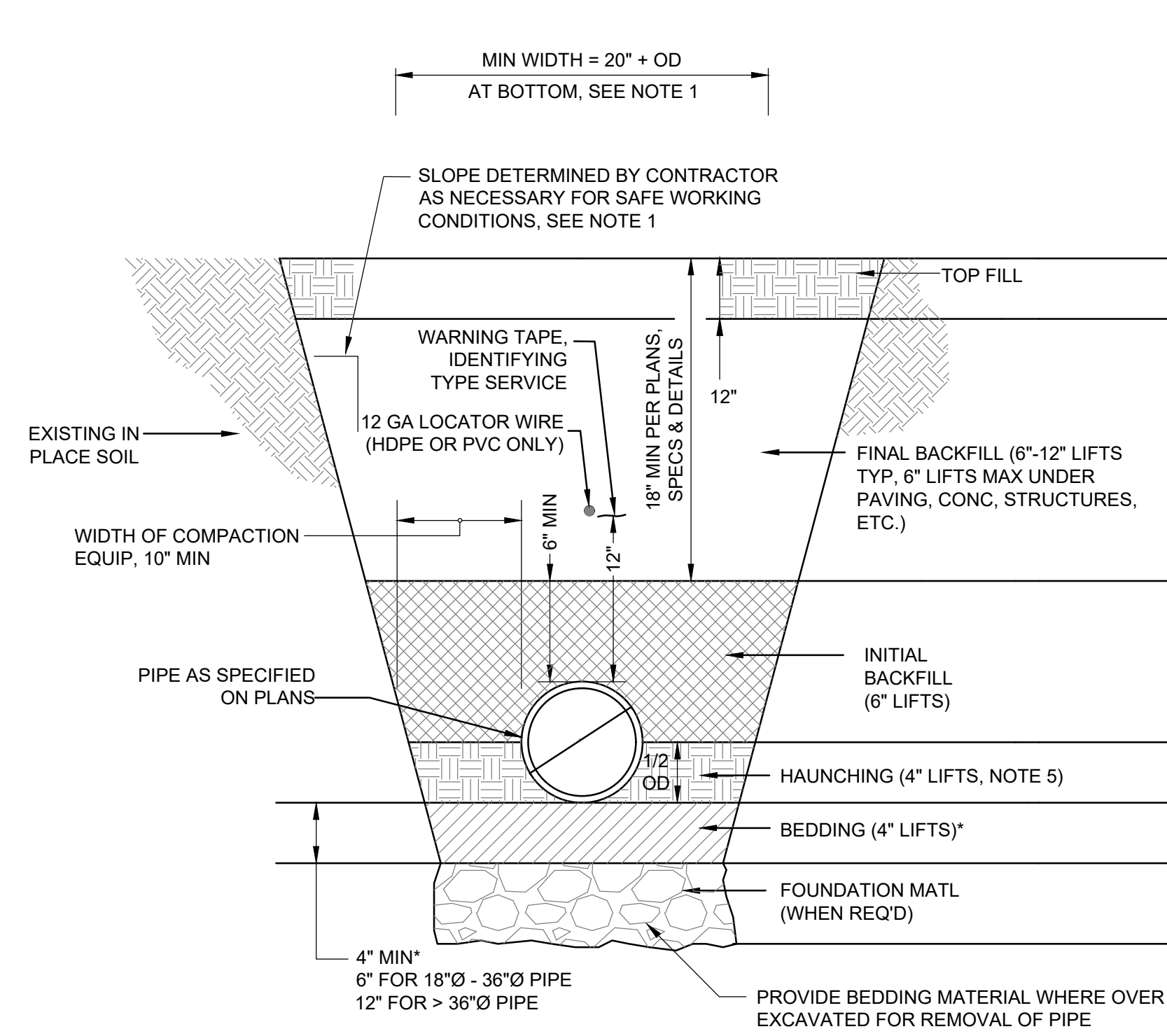
3
95-C-01
INTEGRAL CURB & GUTTER
SCALE: NOT TO SCALE

- NOTES:**
1. PROVIDE 1/2" EXPANSION JOINTS WITH BITUMINOUS JOINT MATERIAL AT 60' OC, AT WALKS, STEPS, BUILDINGS, ETC.
 2. PROVIDE CONTRACTION JOINTS AT 15' OC.
 3. USE FIBER REINFORCED CONCRETE.
 4. MATCH EXISTING CURB & GUTTER WHEN REMOVAL AND REPLACEMENT IS REQUIRED.



NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	AS-BID	CONSTRUCTION REVISIONS	AS-BUILT
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

MADISON UTILITIES
MADISON, AL
WESTERN INTERCEPTOR
FROM MH-97 TO MH-127



4
95-C-01
BEDDING & BACKFILL FOR TRENCHES
SCALE: NOT TO SCALE

BEDDING/BACKFILL REQUIREMENTS & MATL DESIGNATIONS (SEE MATERIAL DESIGNATION / DESCRIPTIONS TABLE)								
PRESSURE MAINS			GRAVITY LINES			PAVED AREAS		
DI	CONC	HDPE/PVC	DI	CONC	HDPE/PVC	DI	CONC	HDPE/PVC
5	5	5	5	5	5	6**	6**	6**
4	4	4	4	4	4	1	1	2
3	3	2	3	3	2	1	1	2
2	3	2	1	1	2	1	1	2
2	1	2	1	1	2	1	1	2
RIP-RAP OR CRUSHED STONE CLASS 1B (USCS IN ASTM D2487)								

- NOTES:**
1. SLOPE, BENCHING, SHORING, ETC. AS DETERMINED AND DESIGNED BY THE CONTRACTOR. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE OSHA REGULATIONS FOR "OPEN TRENCH EXCAVATIONS".
 2. BEDDING REQ'D FOR ALL GRAVITY LINES, ALL PVC LINES AND ALL CONCRETE LINES. BEDDING REQUIRED IN ALL AREAS OF ROCK EXCAVATION OR UNSUITABLE SOILS. BELL HOLES REQ'D FOR PIPES > 4" DIA. FOR DUCTILE IRON PRESSURE MAINS, SELECT EARTH MAY BE USED FOR BEDDING IN AREAS OF ROCK EXCAVATION.
 3. ALL MATERIALS SHALL BE COMPACTED TO MINIMUM 95% STANDARD PROCTOR DENSITY AT 2%± OPTIMUM MOISTURE CONTENT. MATERIALS UNDER PAVING, CONCRETE, STRUCTURES, ETC. SHALL BE COMPACTED TO MIN 98%-100% STANDARD PROCTOR. MECHANICAL COMPACTION SHALL BE BY VIBRATORY SHEEPSFOOT OR OTHER EQUIP. SPECIFICALLY DESIGNED FOR THE COMPACTION OF EARTH. COMPACTION EQUIP. SHALL BE ON-SITE PRIOR TO BEGINNING OF WORK. MECHANICAL COMPACTION SHALL BE COMPLETED IN LOOSE LIFTS AS SHOWN ON THE DETAIL.
 4. TEMPORARY COMPACTED PUG-MIX BACKFILL REQ'D UNTIL PAVEMENT PLACEMENT IS COMPLETE. THE CONTRACTOR SHALL CONTINUOUSLY MAINTAIN THIS PUGMIX TO KEEP IT FLUSH WITH THE ADJACENT PAVING, ETC. UNTIL THE FINAL PAVING IS PLACED. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY ASPHALT OR CONCRETE PATCHES WHEN NEEDED FOR PUBLIC SAFETY AND/OR CONVENIENCE.
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING AND UTILIZE APPROPRIATE MEANS AND METHODS OF CONSTRUCTION TO ENSURE THAT THE ENTIRE AREAS UNDER THE HAUNCHES OF THE PIPE ARE FILLED WITH THE REQUIRED MATERIALS AND COMPACTED APPROPRIATELY.
 6. ADDITIONAL AND/OR SPECIAL REQUIREMENTS MAY BE REQ'D BY THE PLANS, SPECIFICATIONS AND/OR CONTRACT DOCUMENTS.
 7. TO THE EXTENT POSSIBLE, AS DETERMINED BY THE CONTRACTOR, TRENCH WALL SHORING METHODS SHALL BE USED IN PAVED AREAS TO MINIMIZE PAVING REPAIR REQUIREMENTS.

MATERIAL DESIGNATION / DESCRIPTIONS TABLE	
DESIGNATION/MATERIALS	DESCRIPTION
1	CRUSHED STONE, ASTM-448 NO. 57 GRADATION
2	CRUSHED STONE, ASTM-448 NO. 67 GRADATION. SAND SHALL BE USED AS SUBSTITUTE IN RESIDENTIAL LAWNS, YARDS, AND LANDSCAPED AREAS.
3	SELECT EXCAVATED MATL REASONABLY DRY (WITHIN LIMITS REQ'D FOR COMPACTION) NO STONES > 1" DIA.
4	EXCAVATED MATL REASONABLY DRY (WITHIN LIMITS REQ'D FOR COMPACTION) NO STONES > 12" DIA.
5	SELECT TOPSOIL MATL TO SUPPORT VEGETATION, NO STONES OR ROCK ALLOWED
6	CRUSHED STONE, MOIST "PUG-MIX" PER ALDOT SECTION 825

TYPICAL DETAILS

BOX IS 2 IN WIDE AT FULL SCALE

JOB NO: MU-1930

DATE: MAY 2020

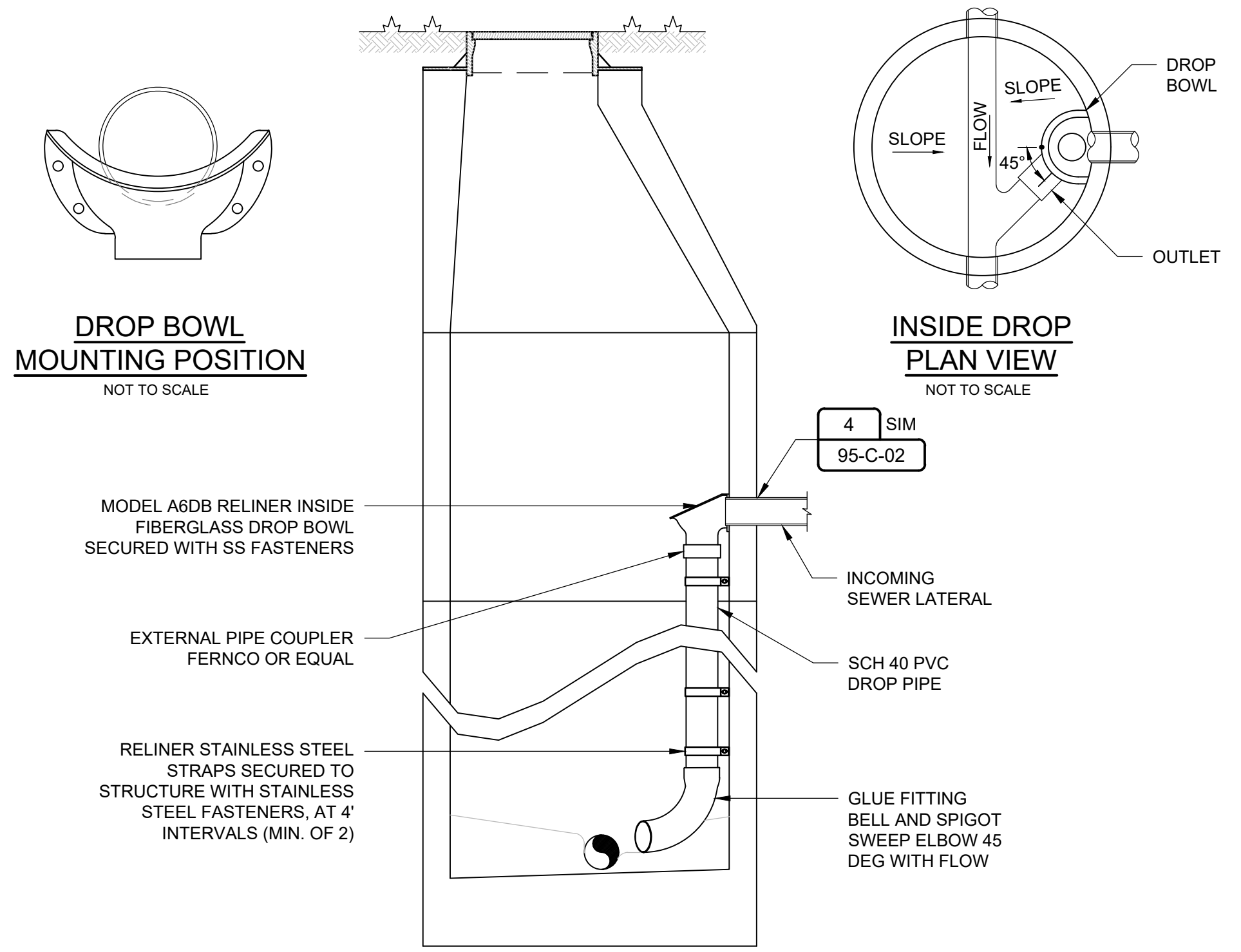
DESIGNED BY: CDS

DRAWN BY: JFL

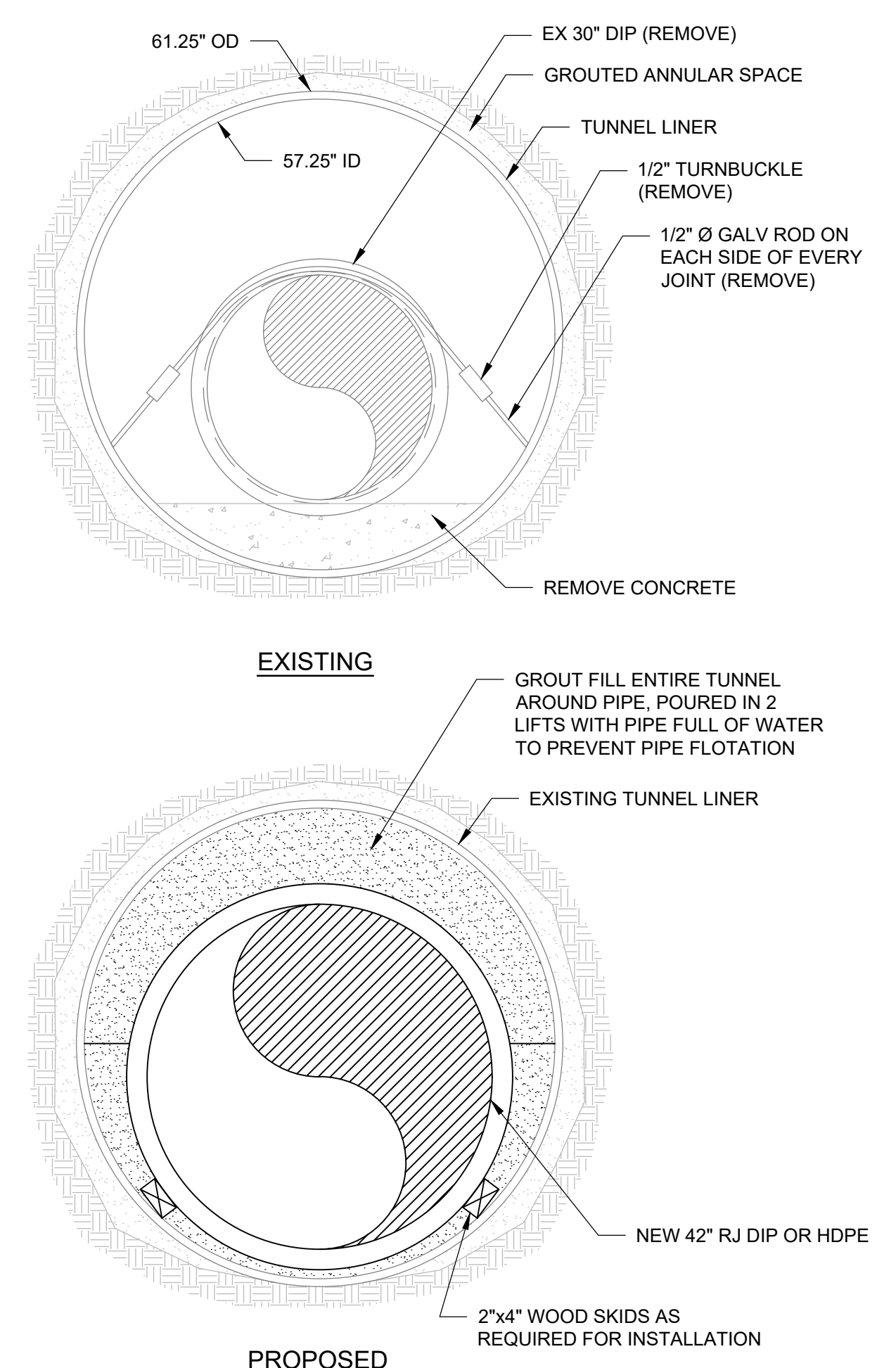
DWG: 95-C-01

SHEET NUMBER **21**

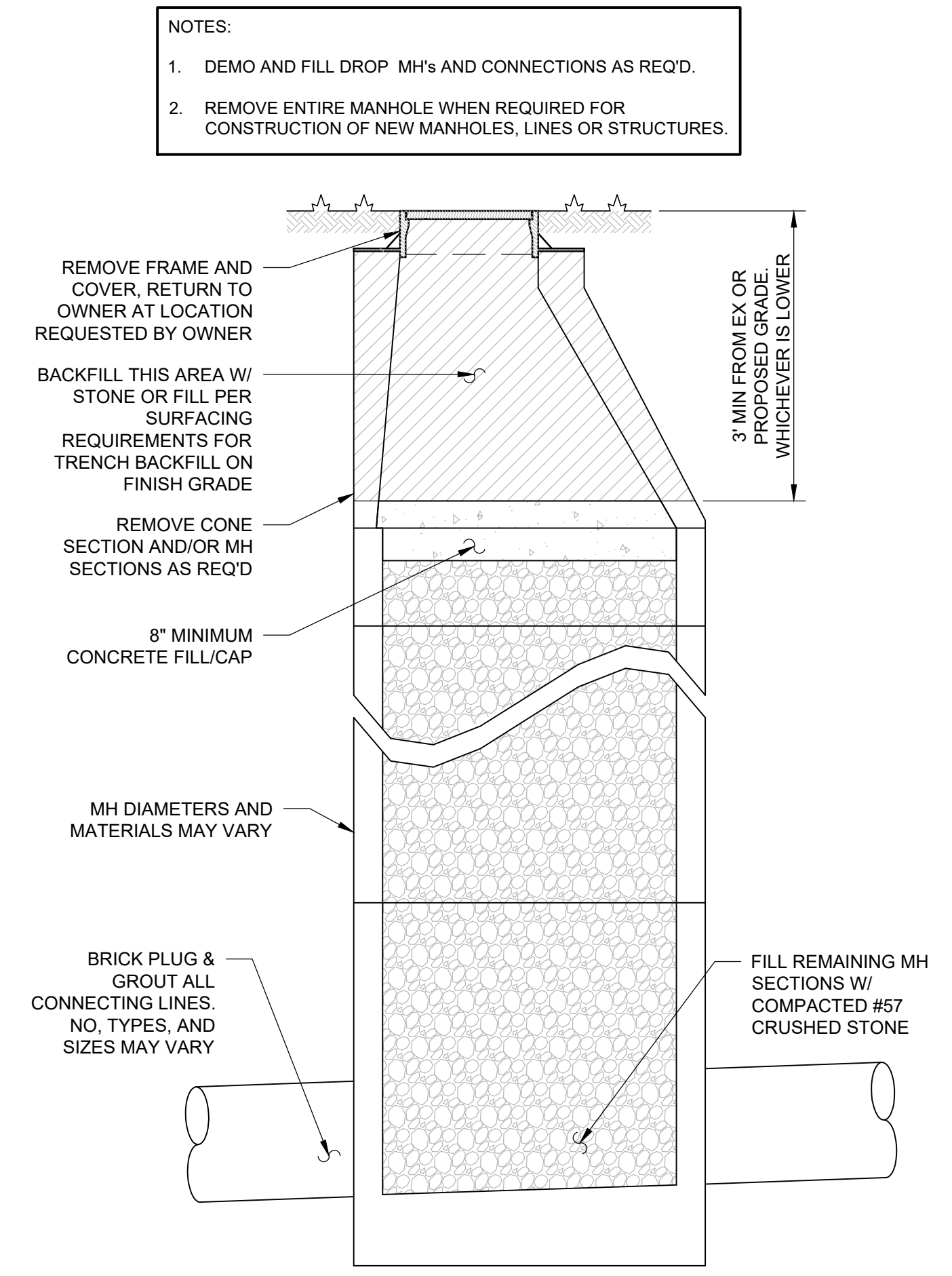
- NOTES:
1. ALL HARDWARE SHALL BE STAINLESS STEEL
 2. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
 3. SECURE DROP PIPE TO MANHOLE WITH RELINER-DURAN, INC STAINLESS STEEL ADJUSTABLE CLAMPING BRACKETS.



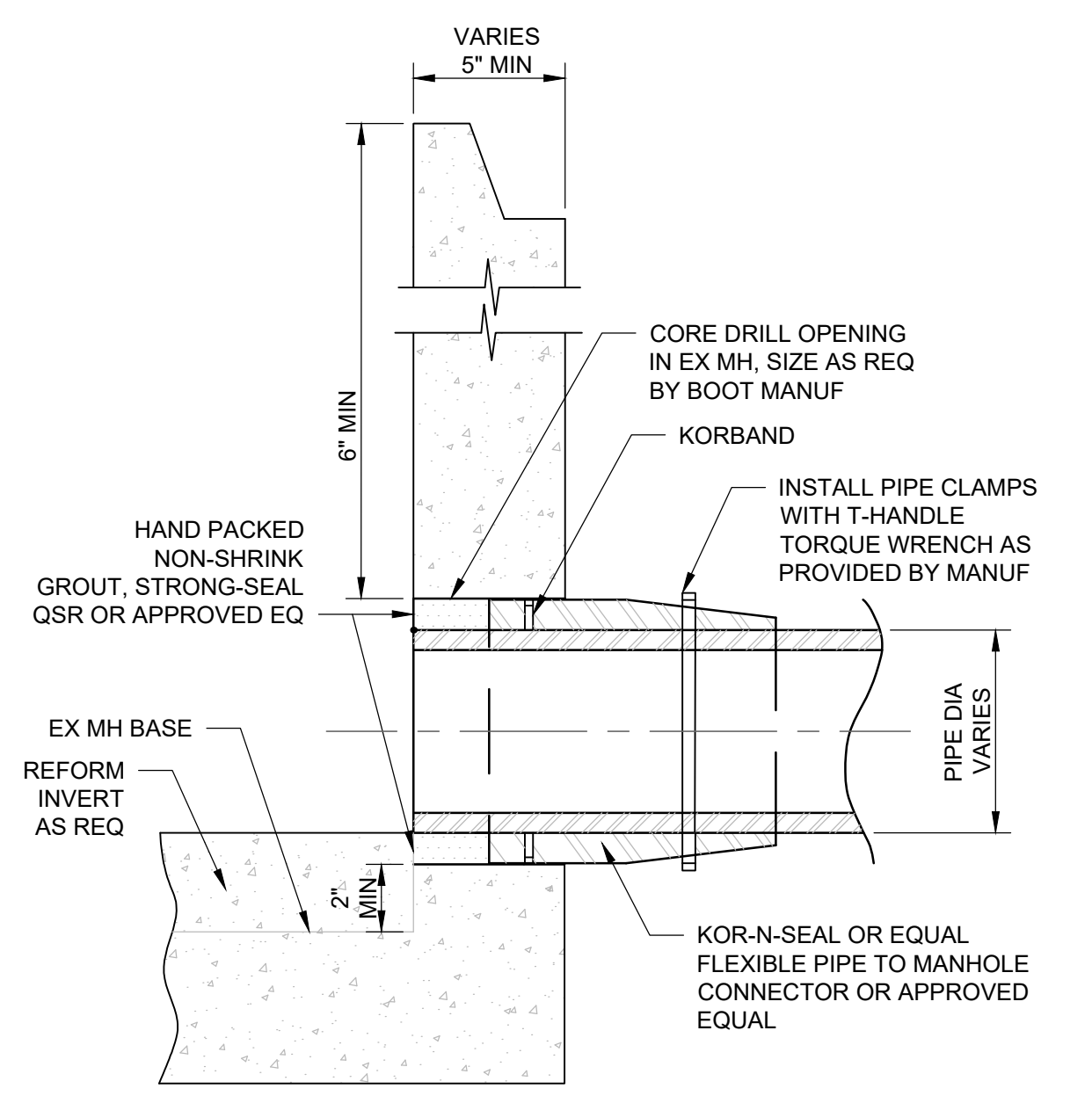
1 INSIDE DROP MANHOLE
95-C-02 SCALE: NOT TO SCALE



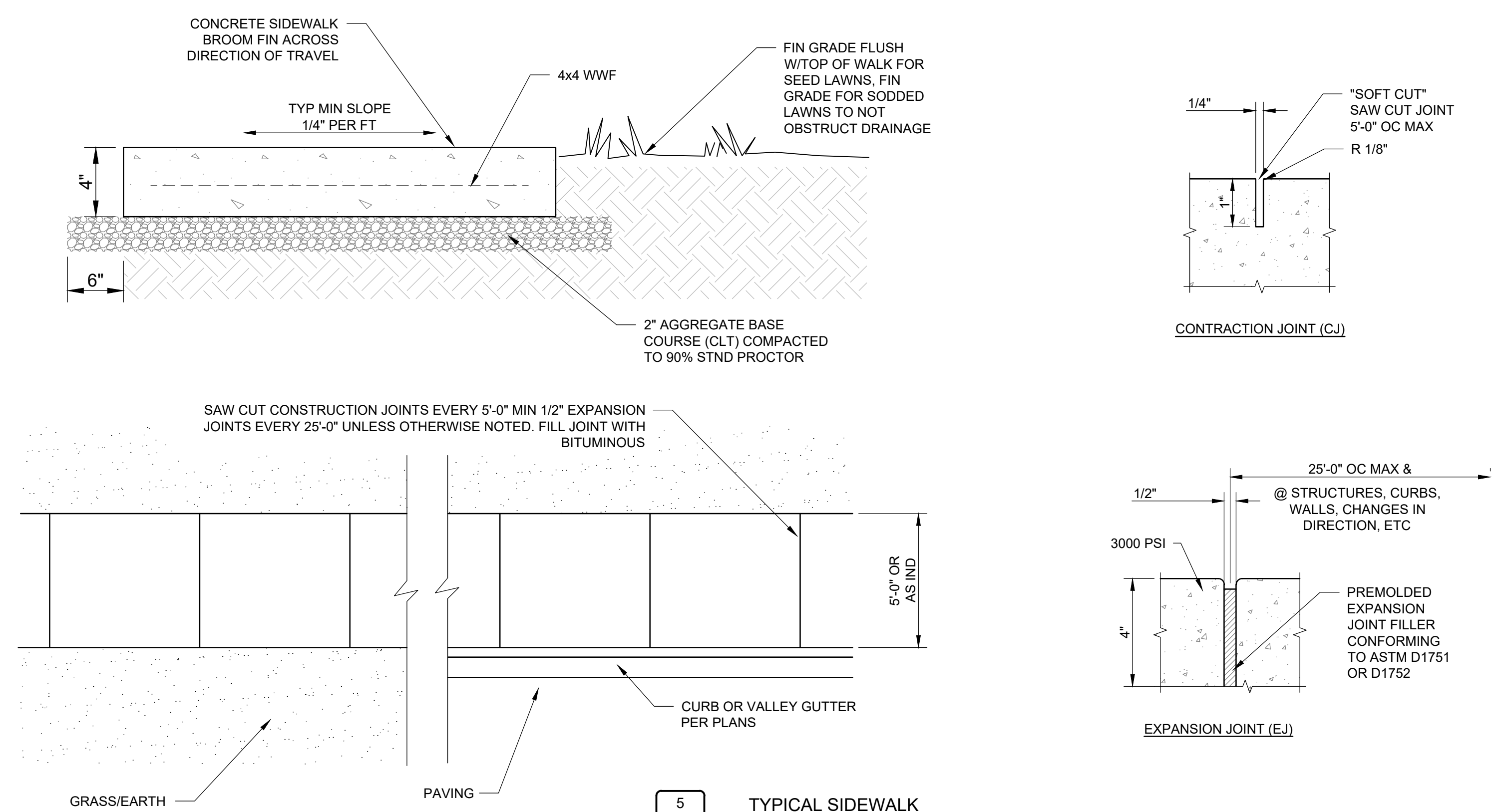
2 TUNNEL LINER DETAIL
95-C-02 SCALE: NOT TO SCALE



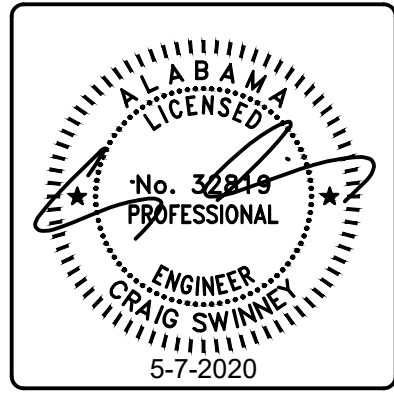
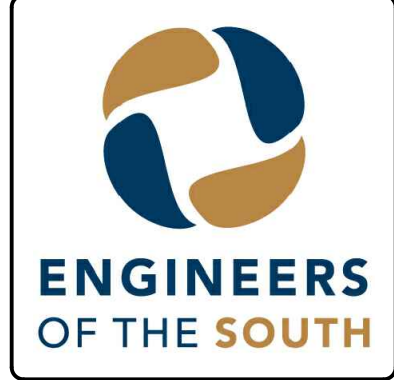
3 TYPICAL DETAIL FOR DEMOLITION OF EX MH'S ALONG ABANDONED SEWER SECTIONS
95-C-02 SCALE: NOT TO SCALE



4 FLEXIBLE PIPE-TO-MANHOLE CONNECTOR
95-C-02 SCALE: NOT TO SCALE



5 TYPICAL SIDEWALK
95-C-02 SCALE: NOT TO SCALE



NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	AS-BID	CONSTRUCTION REVISIONS	AS-BUILT
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

MADISON UTILITIES
 MADISON, AL
WESTERN INTERCEPTOR
 FROM MH-97 TO MH-127

TYPICAL DETAILS

BOX IS 2 IN WIDE AT FULL SCALE

JOB NO: MU-1930
 DATE: MAY 2020
 DESIGNED BY: CDS
 DRAWN BY: JFL
 DWG: 95-C-02

SHEET NUMBER **22**