

SANITARY SEWER TRUNK LINE
WEST BRANCH, IOWA



SHEET INDEX

Sheet List Table	
Sheet Number	Sheet Title
--	COVER
1	C3.1
2	C3.2
3	C3.3
4	C3.4
5	C3.5
6	C3.6
7	C3.7
8	C3.8
9	C3.9
10	C3.10
11	C3.11
12	C3.12
13	C3.13
--	SEWER MAIN END OF LINE CLEANOUT
--	PIPE BEDDING
--	CONCENTRIC MANHOLE
--	MANHOLE FRAME AND COVER
--	DROP MANHOLE
--	CONCRETE BLANKET
--	CONCRETE ENCASEMENT

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SANITARY TRUNK LINE

WEST BRANCH
IOWA

SHEET NAME

SANITARY SEWER COVER SHEET

SHEET NO.

PROJECT:

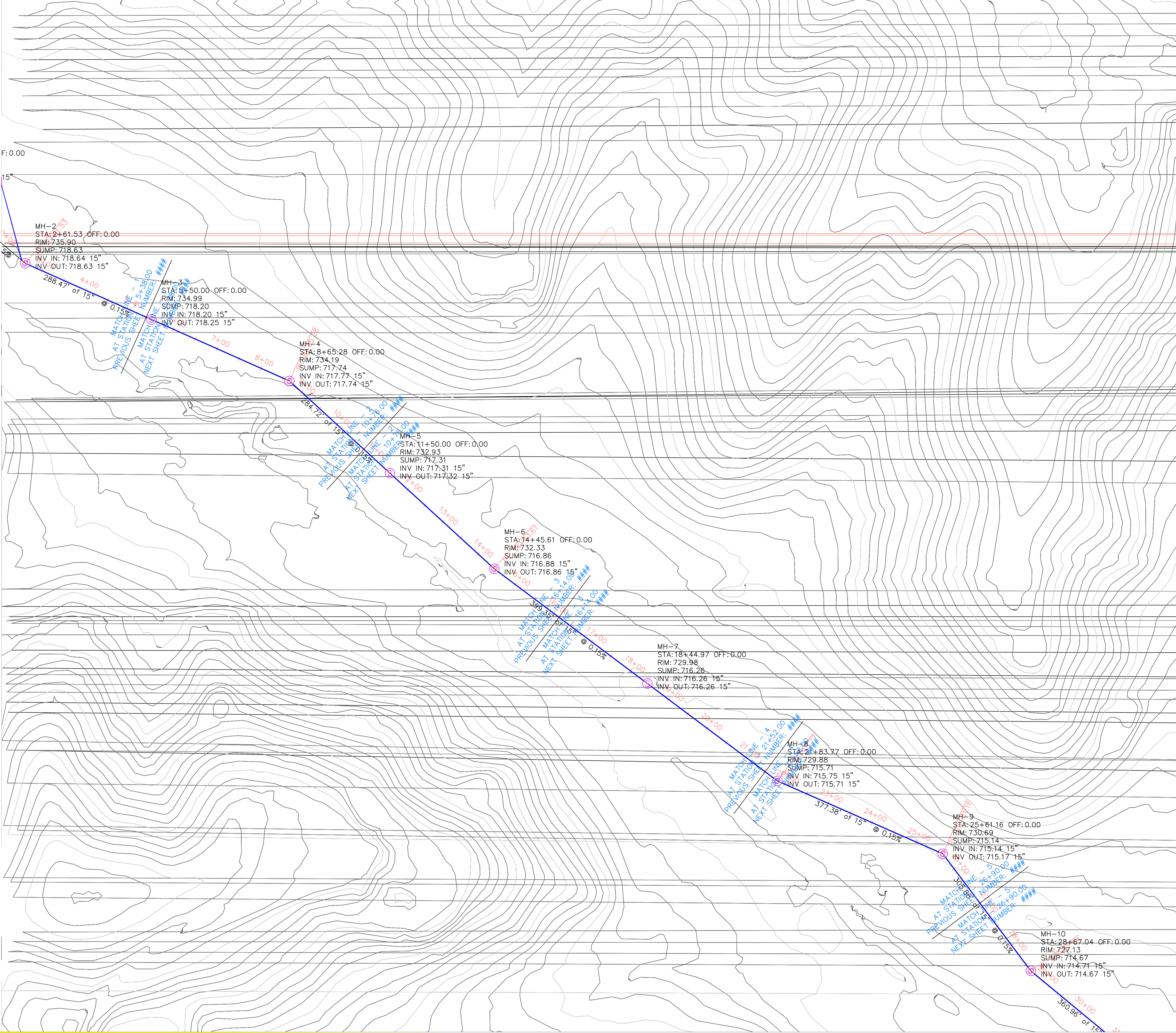
DATE : 12/19/2025

DRAWN BY:

REVISION:

FAX: 319.335.5660
EMAIL: civil-hawks@uiowa.edu

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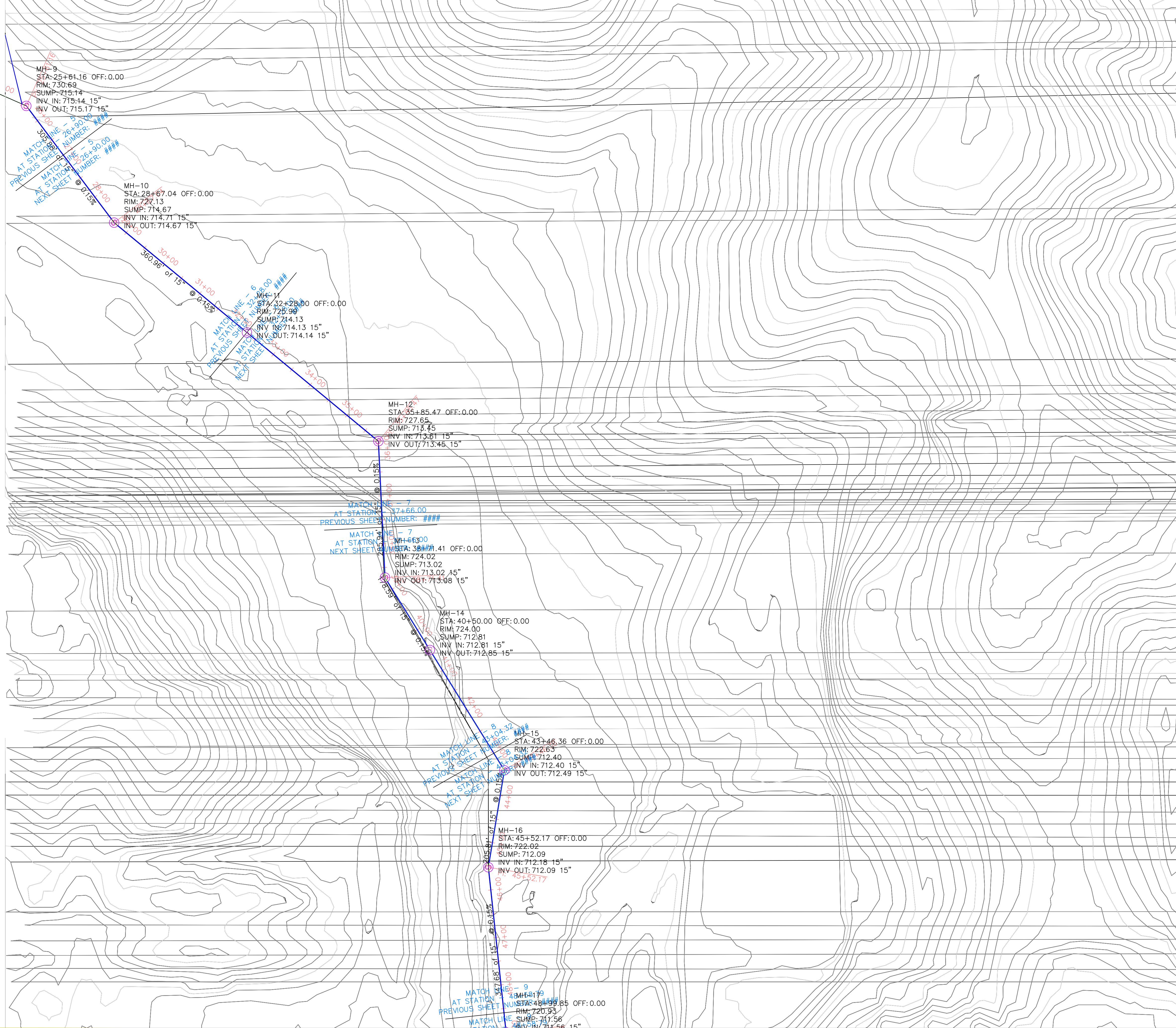
SANITARY TRUNK LINE

WEST BRANCH
IOWA

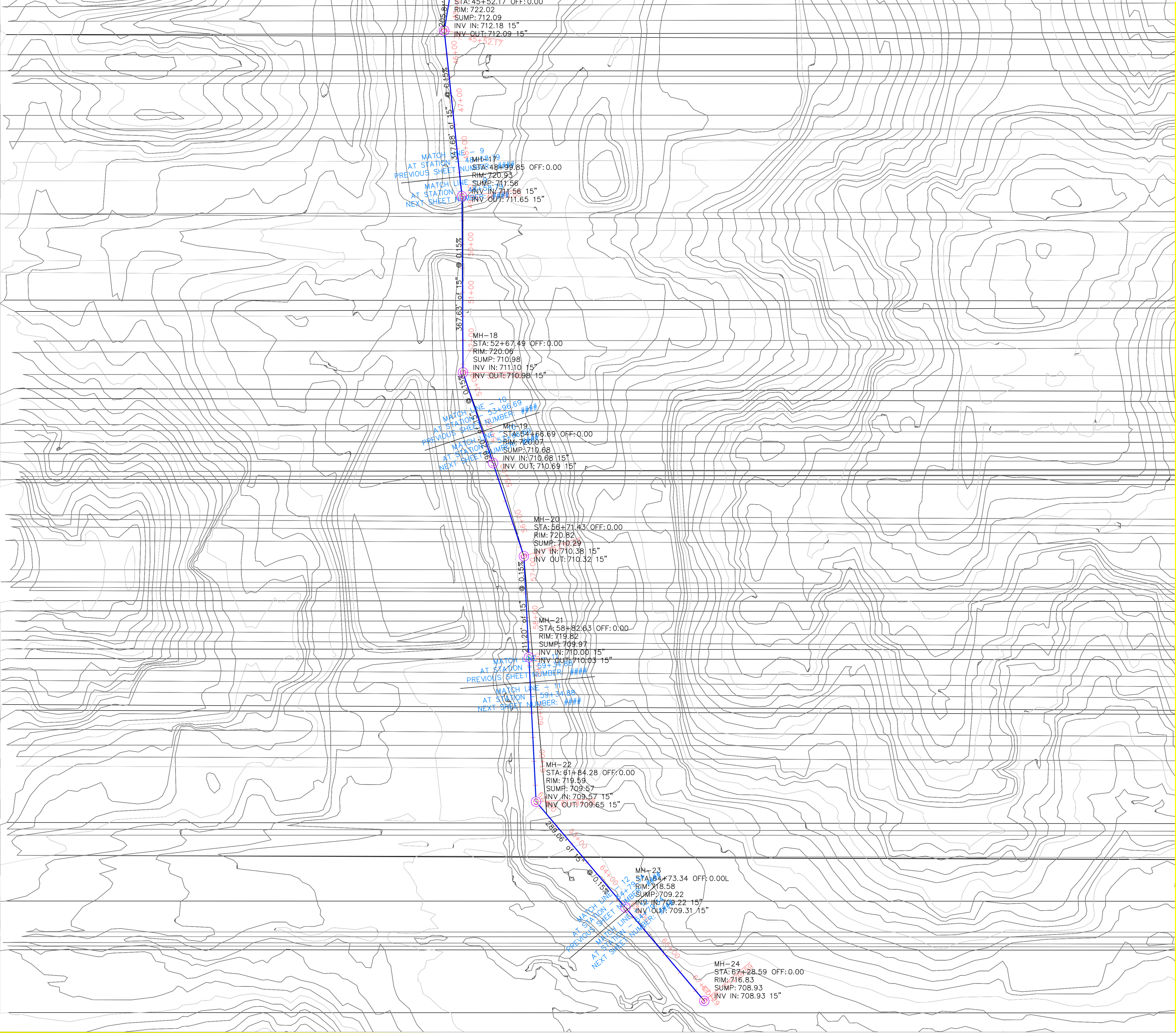
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SANITARY SEWER
COVER SHEET

SHEET NO.



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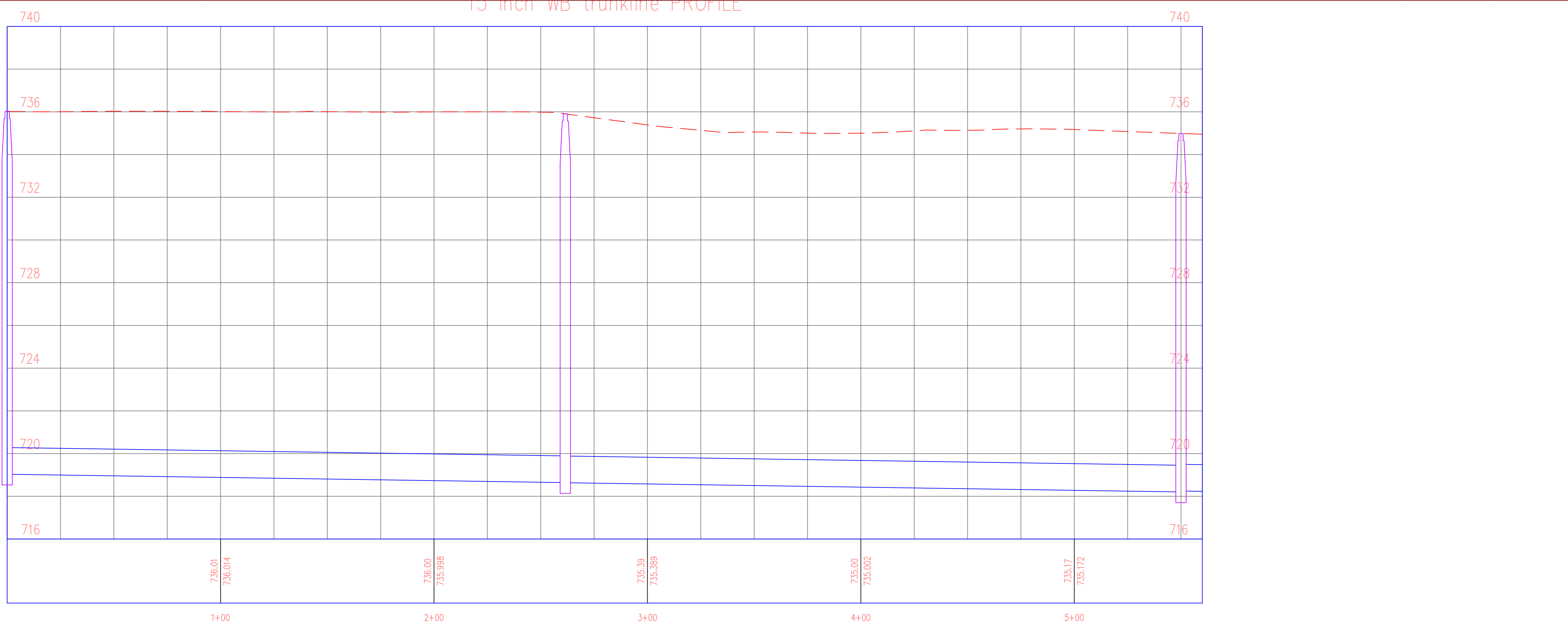
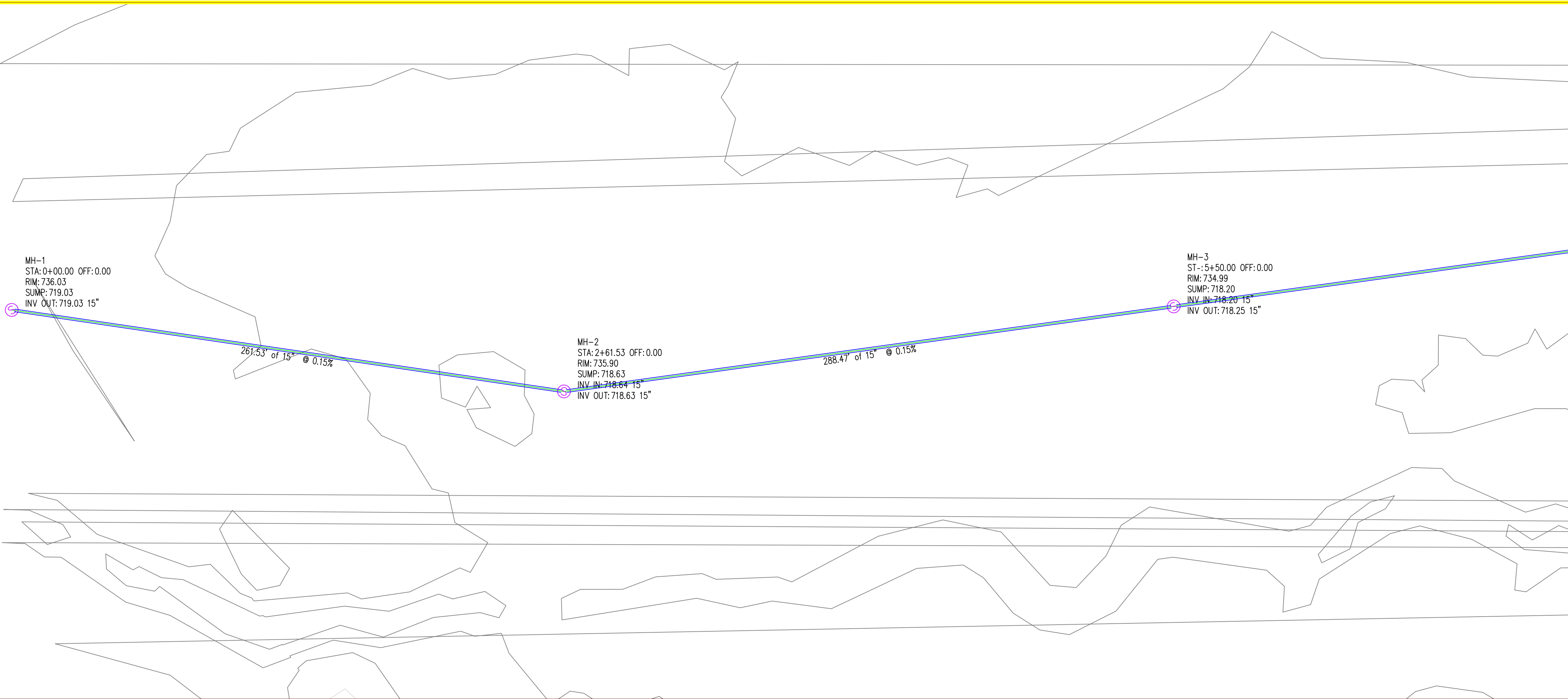
SANITARY TRUNK LINE

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SANITARY SEWER
COVER SHEET

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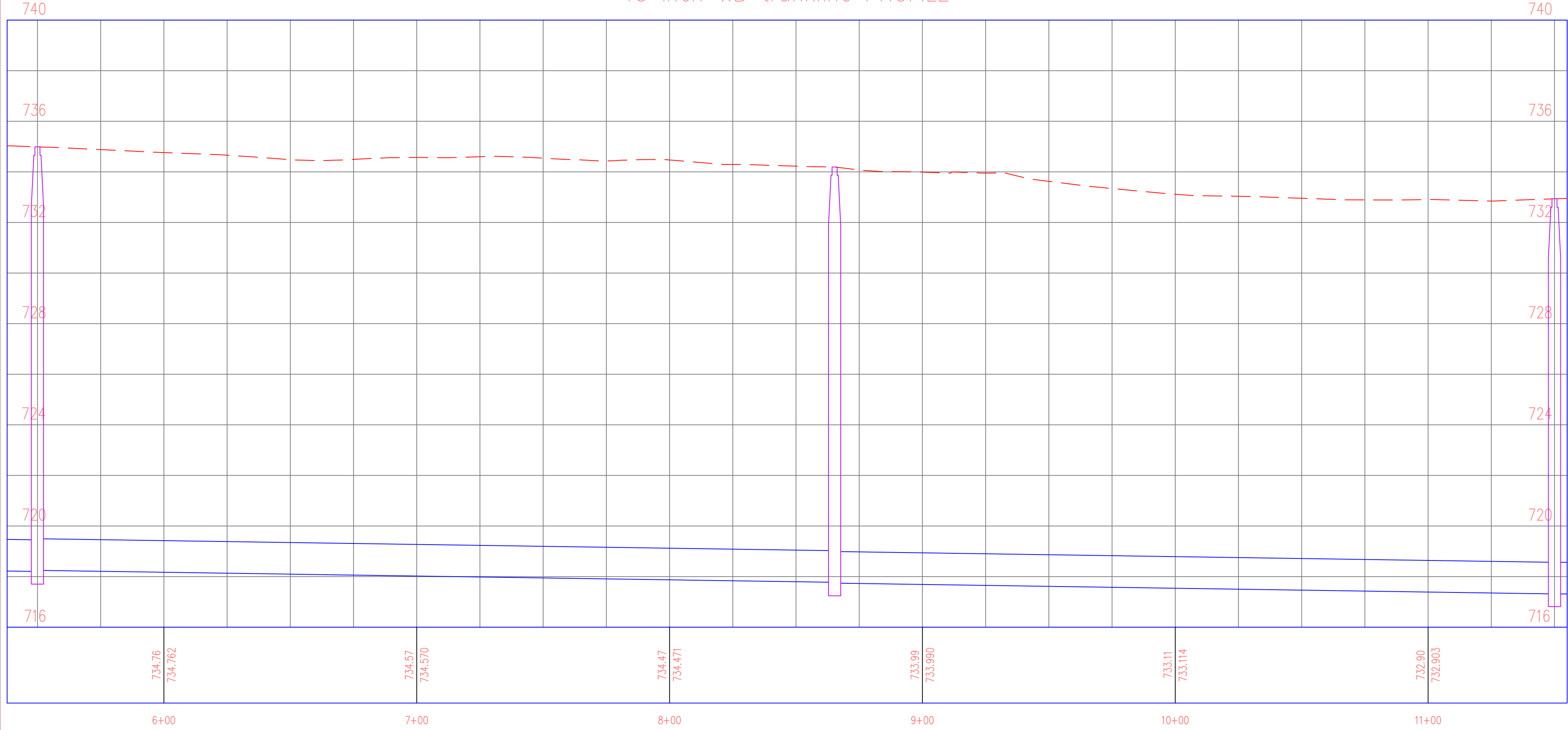
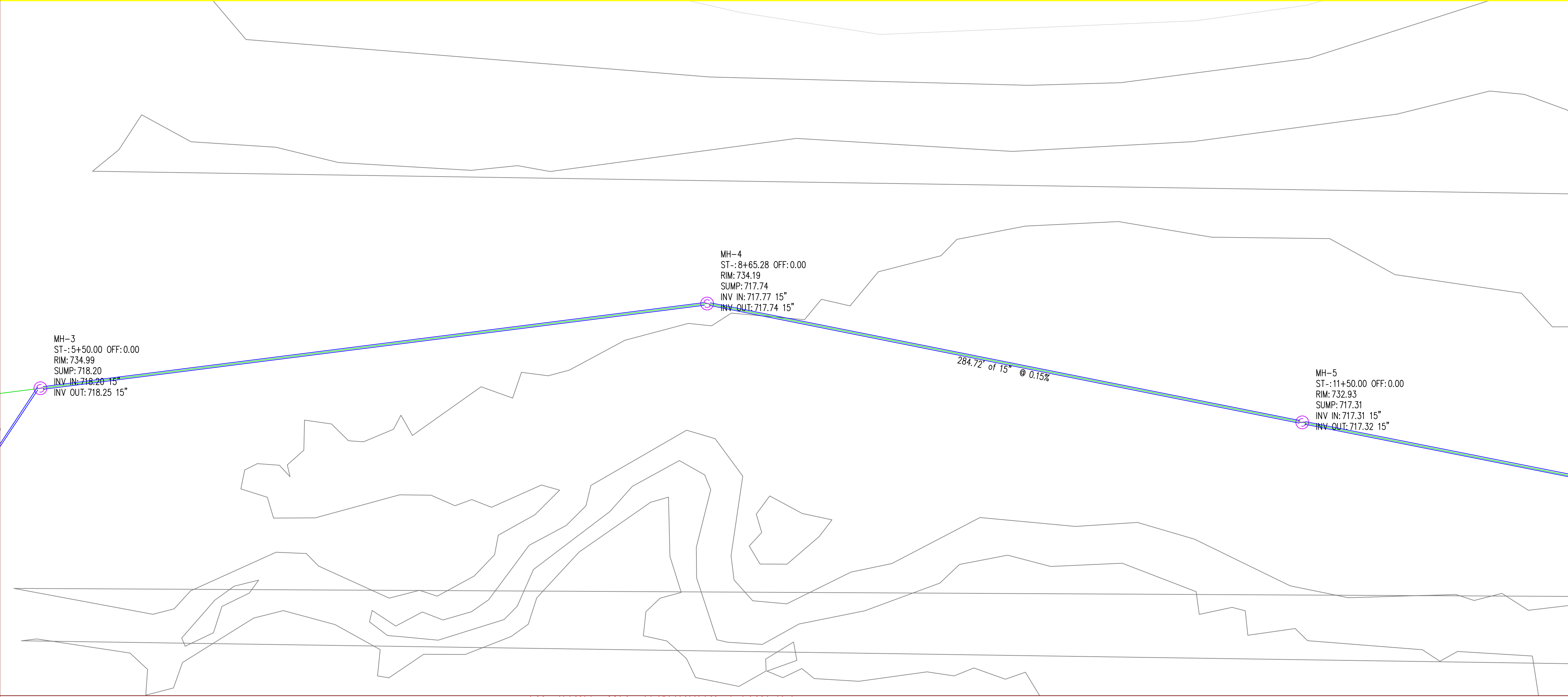
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SHEET NAME
SANITARY SEWER
PLAN AND PROFILE

SHEET NO.
1



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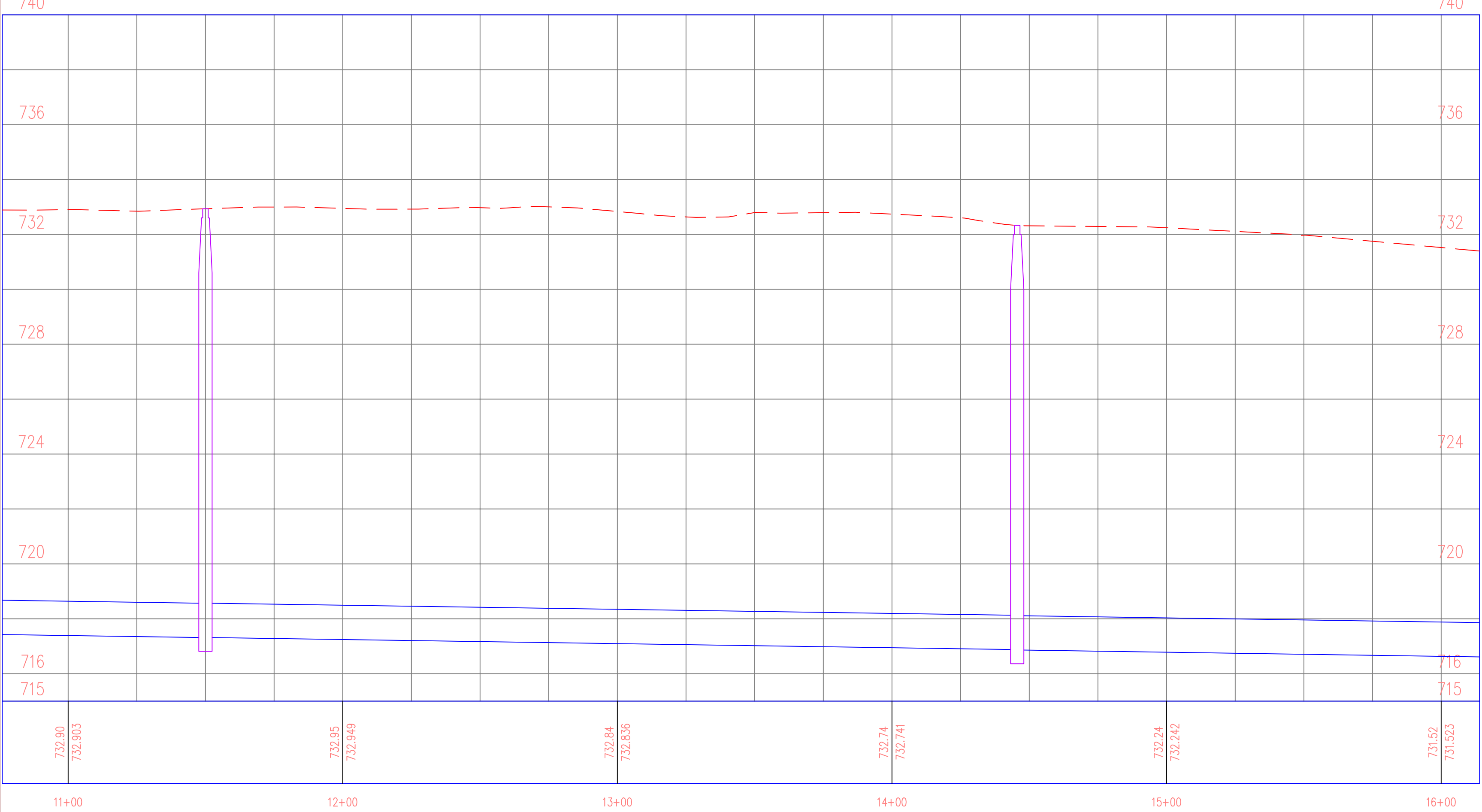
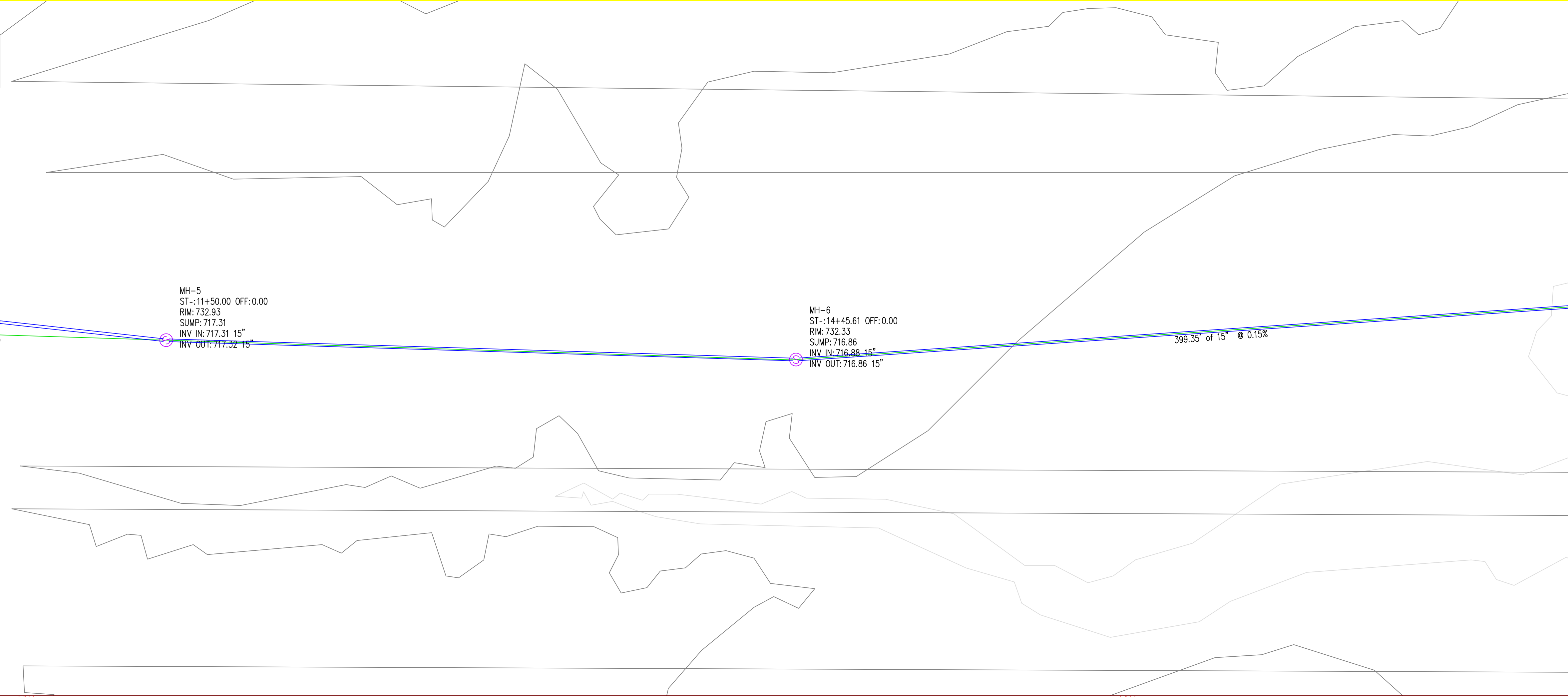
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2



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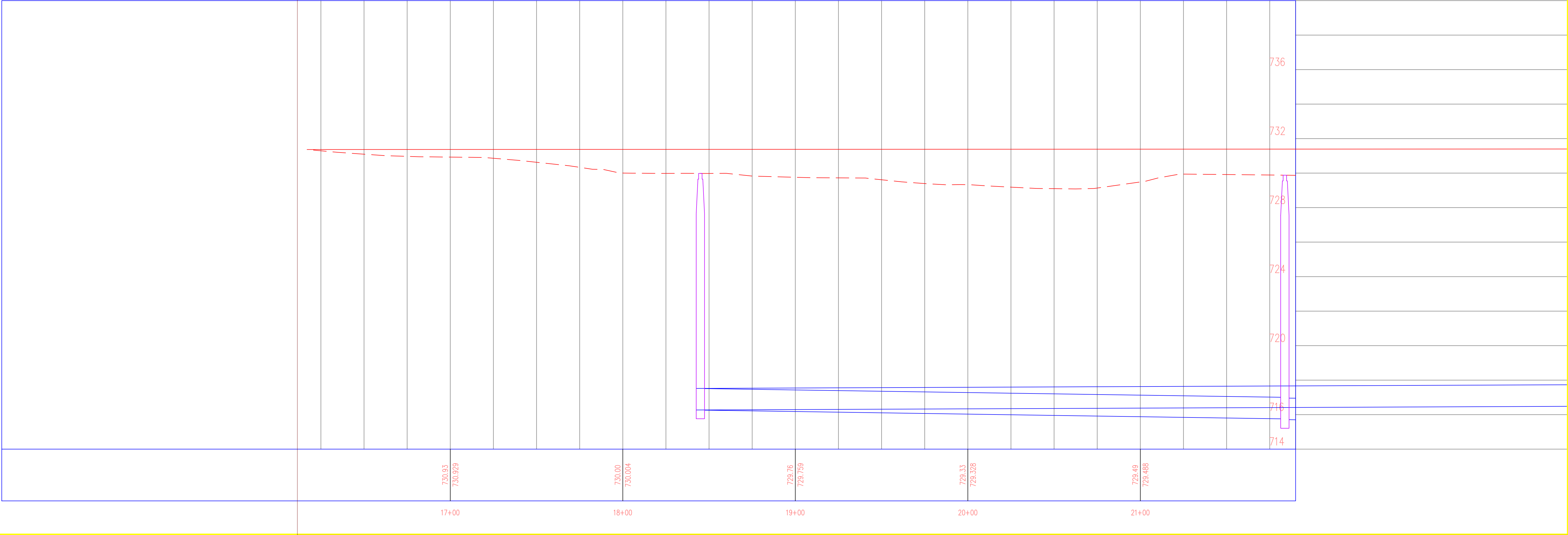
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3



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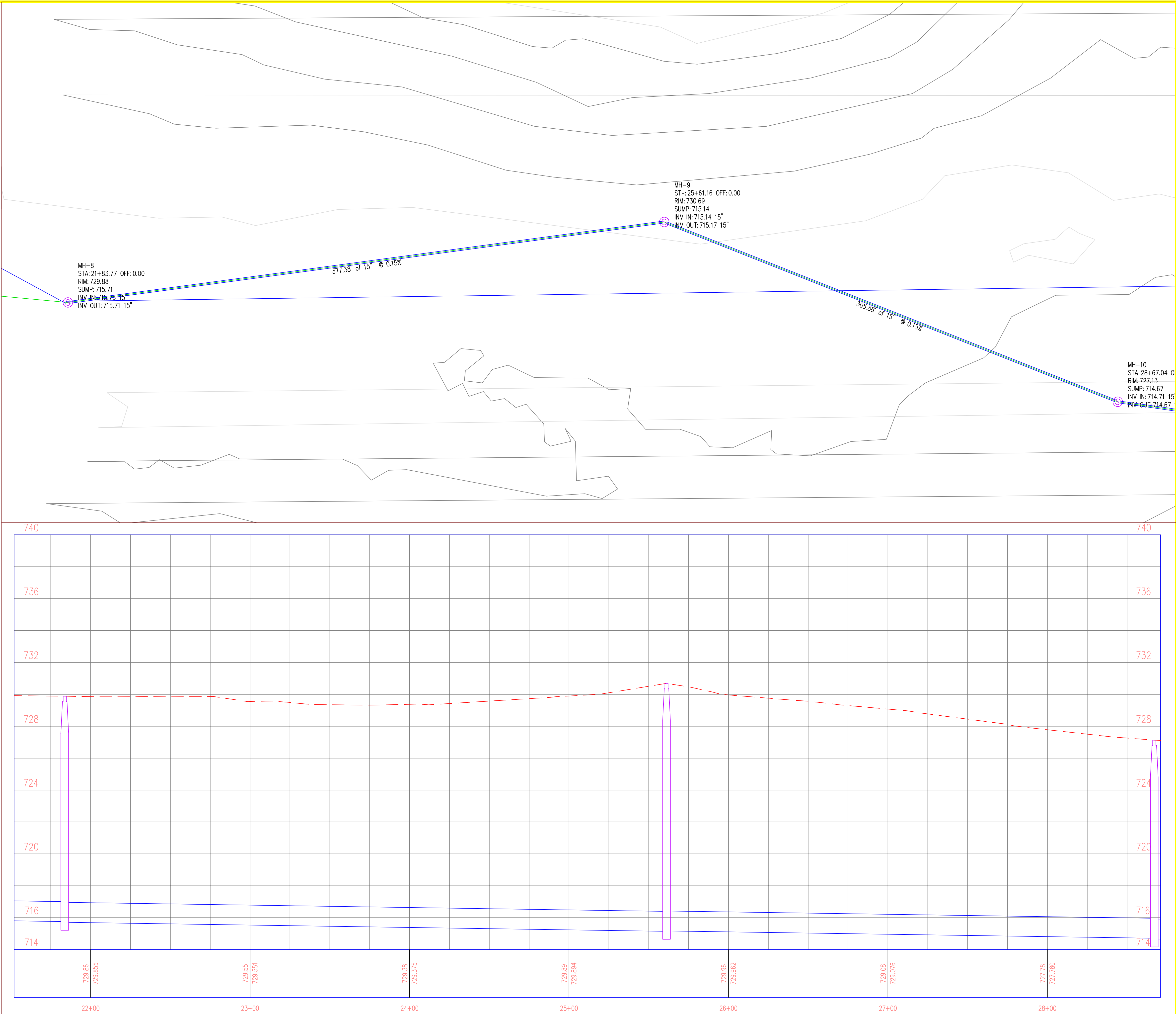
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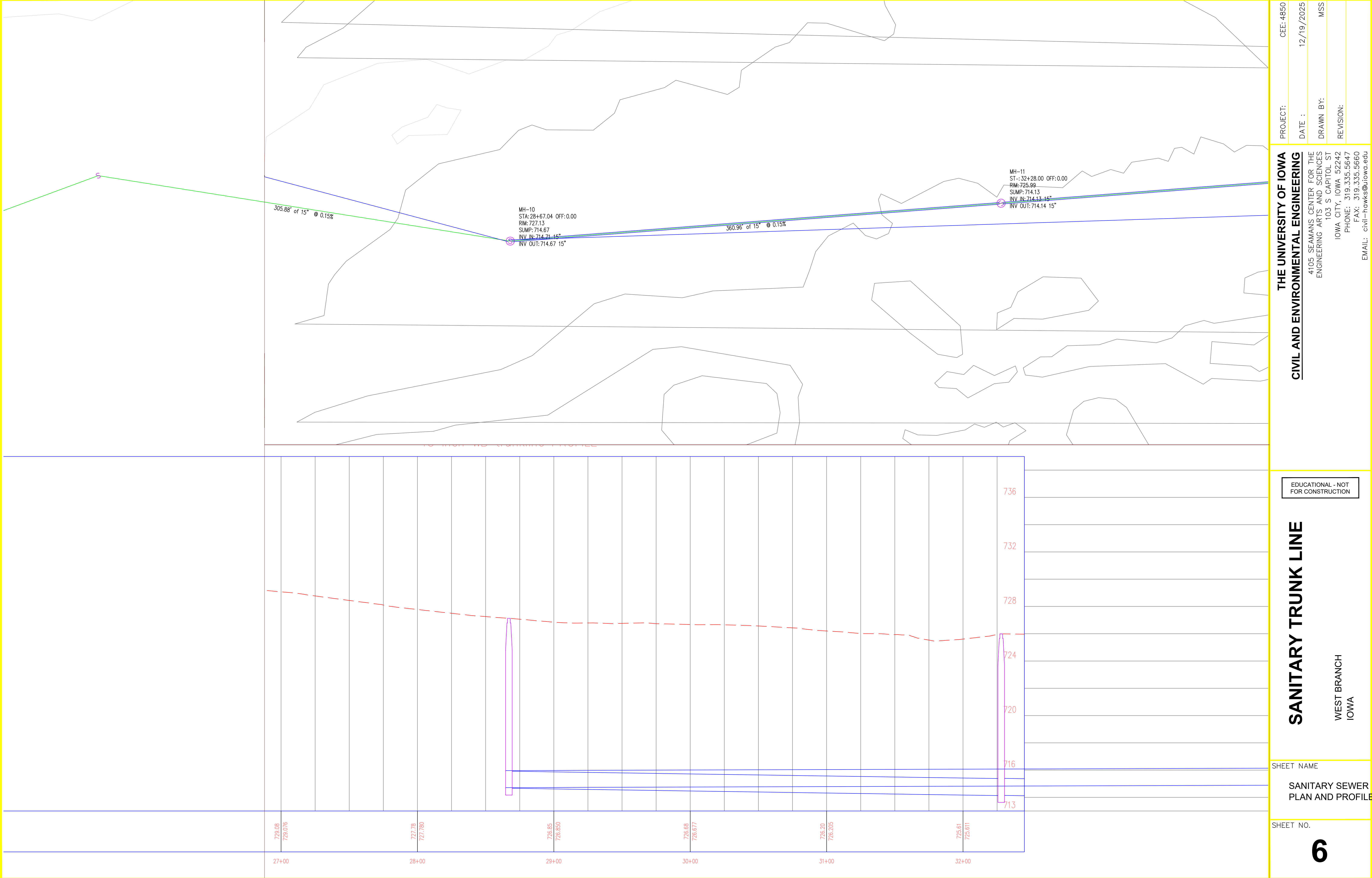
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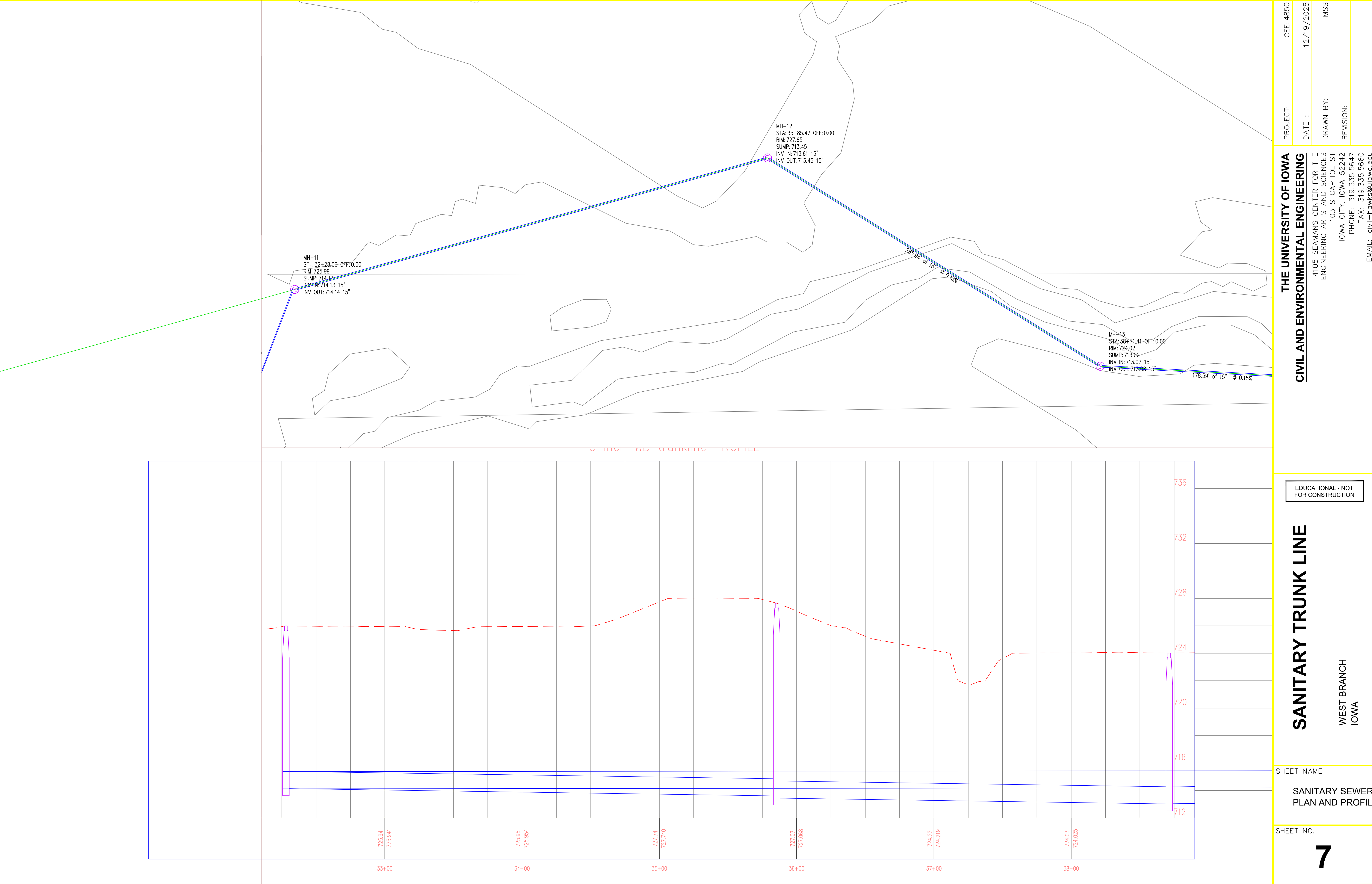
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PLAN AND PROFILE

SHEET NO.

6



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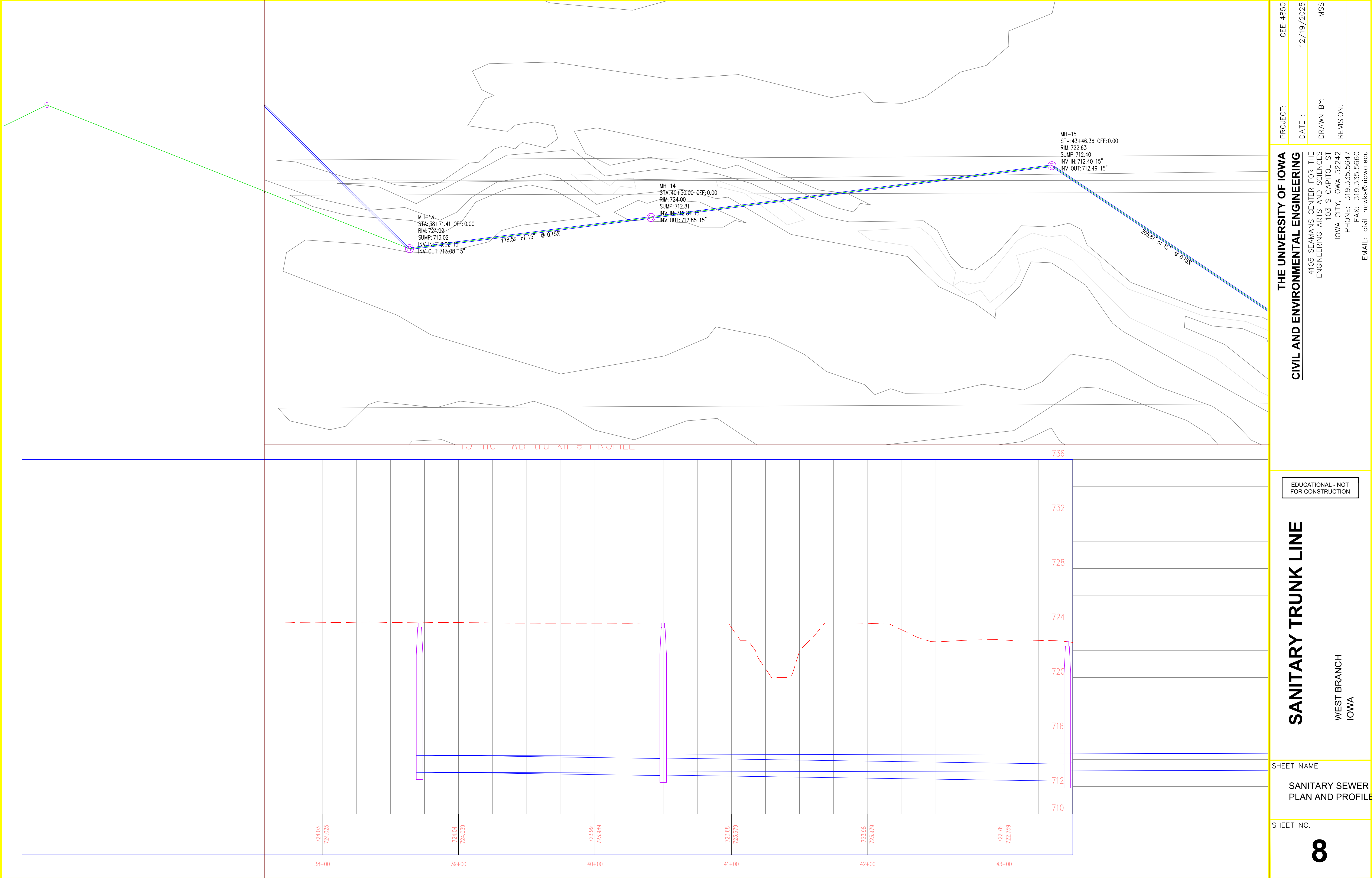
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SANITARY TRUNK LINE

WEST BRANCH
IOWA

SHEET NAME
**SANITARY SEWER
PLAN AND PROFILE**

SHEET NO.
7



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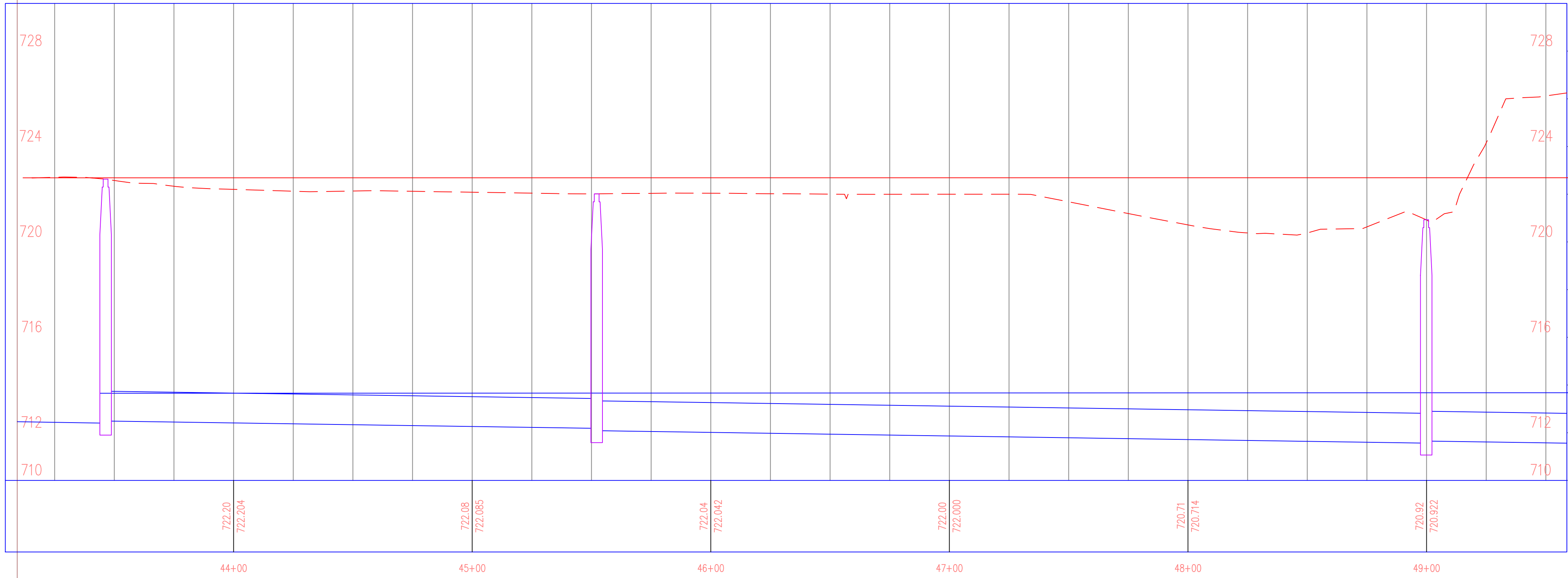
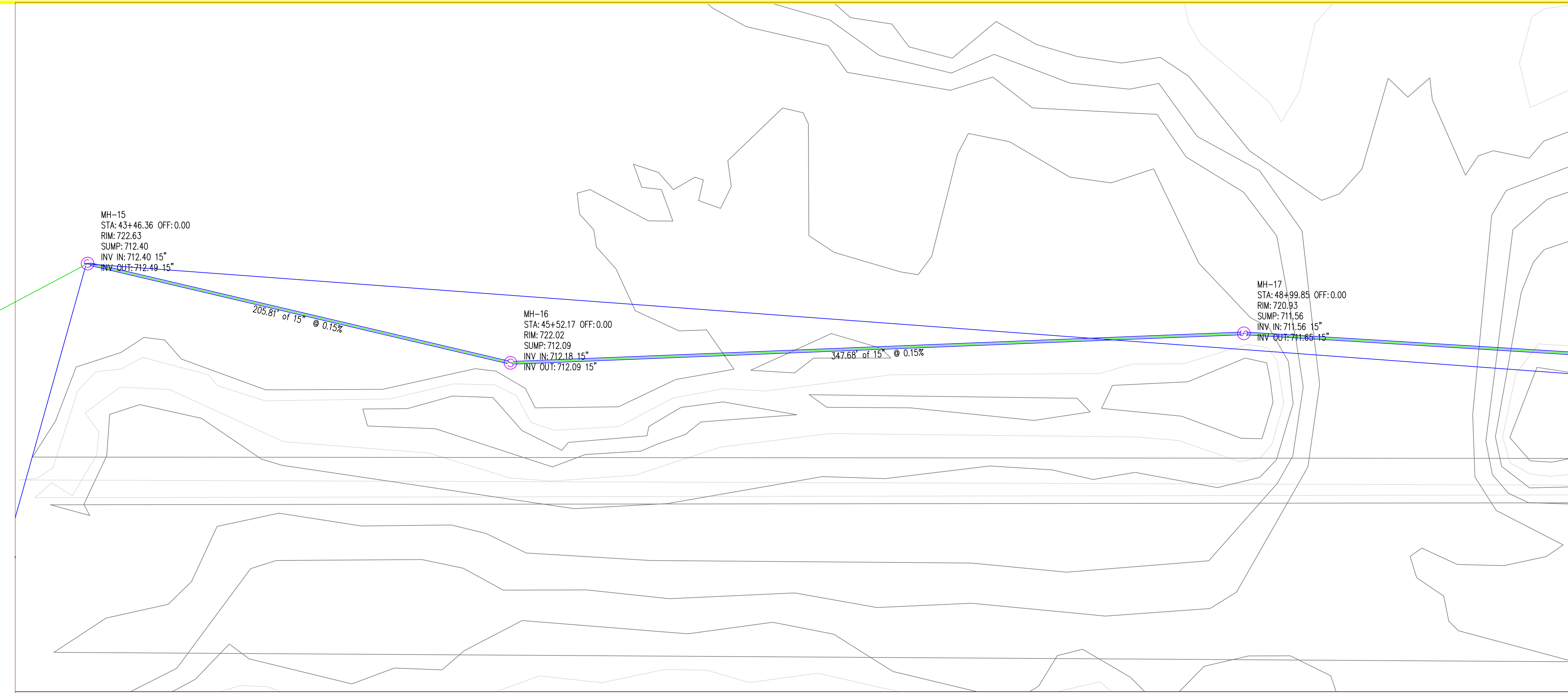
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WEST BRANCH
IOWA

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**SANITARY SEWER
PLAN AND PROFILE**

SHEET NO.
8



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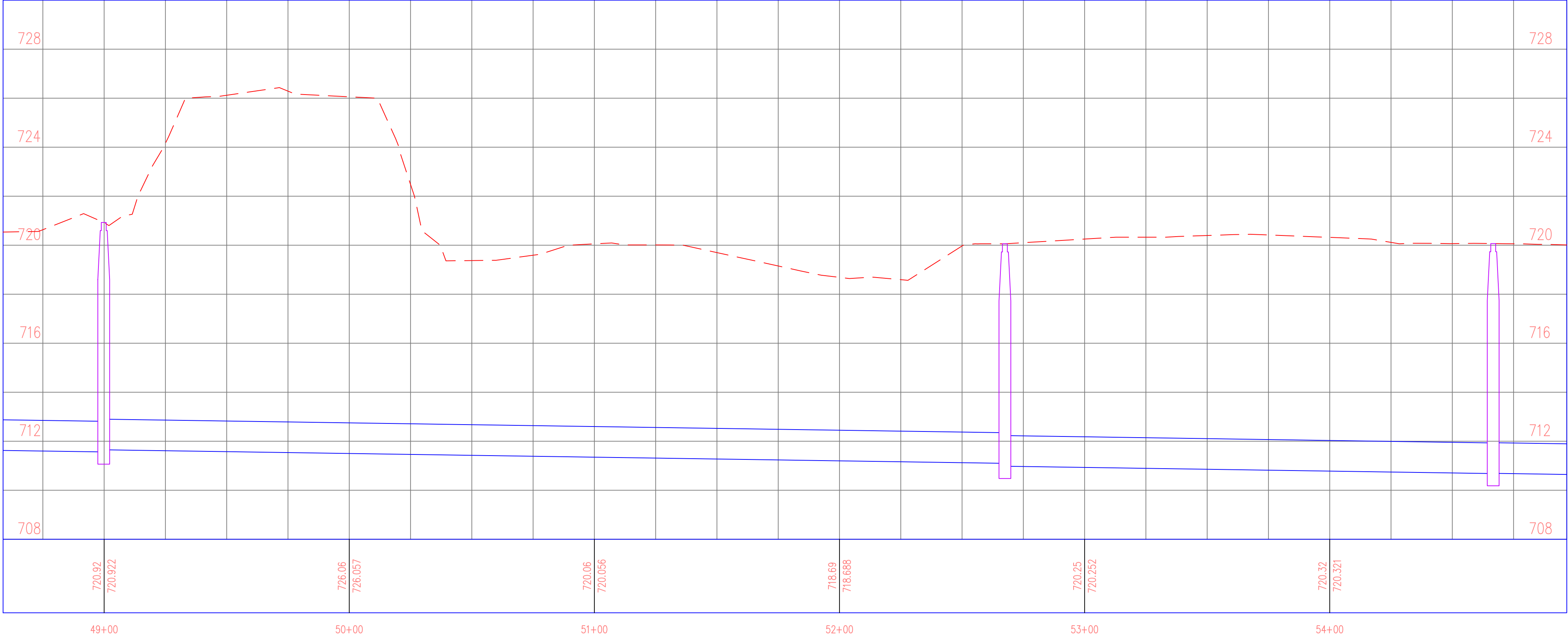
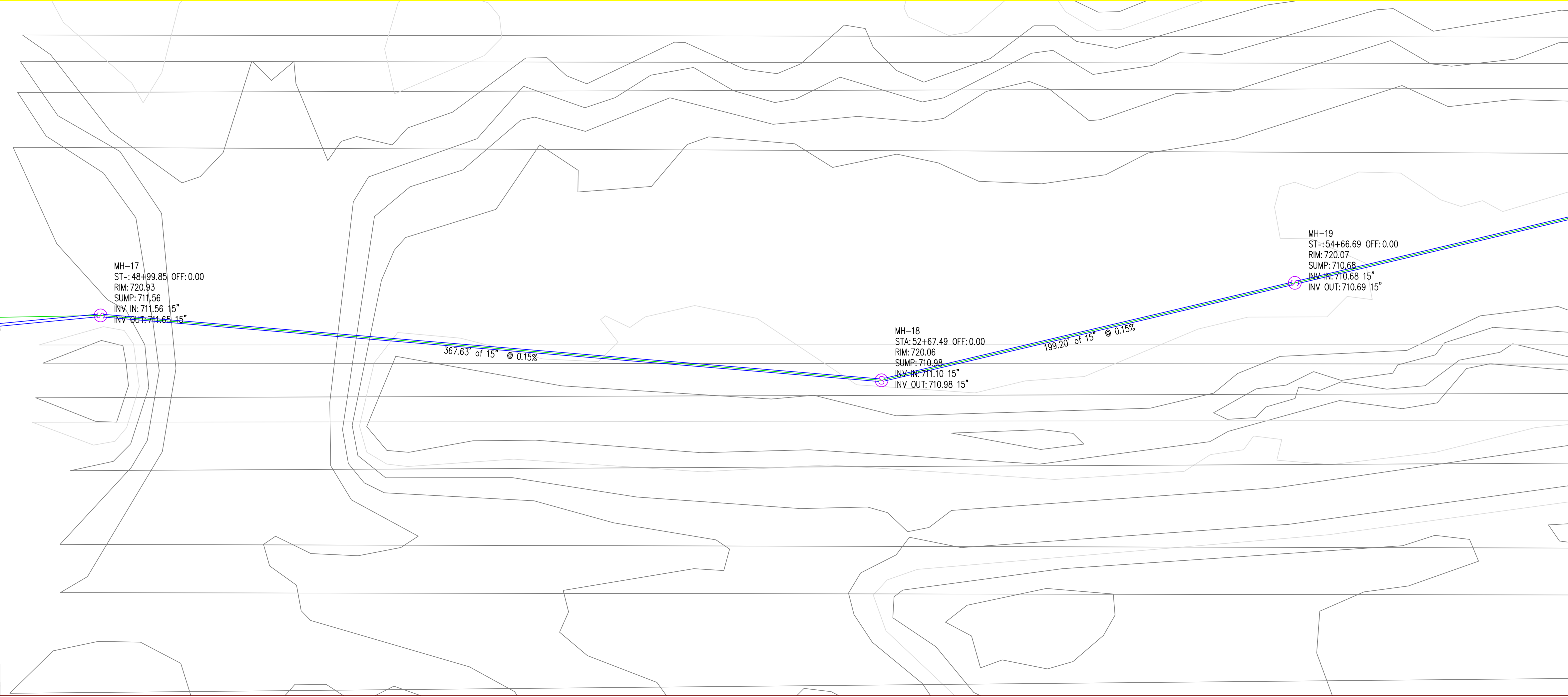
WEST BRANCH
IOWA

SHEET NAME

SANITARY SEWER
PLAN AND PROFILE

SHEET NO.

9



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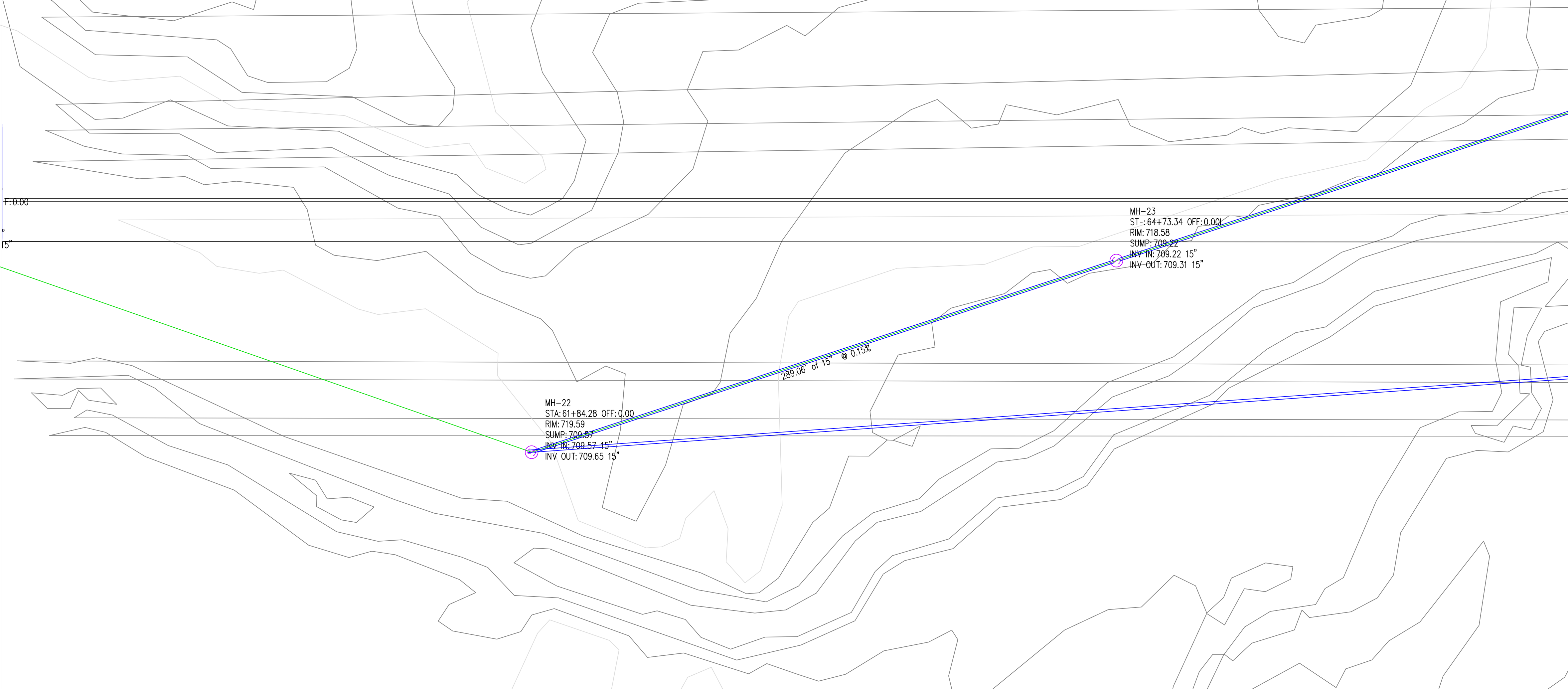
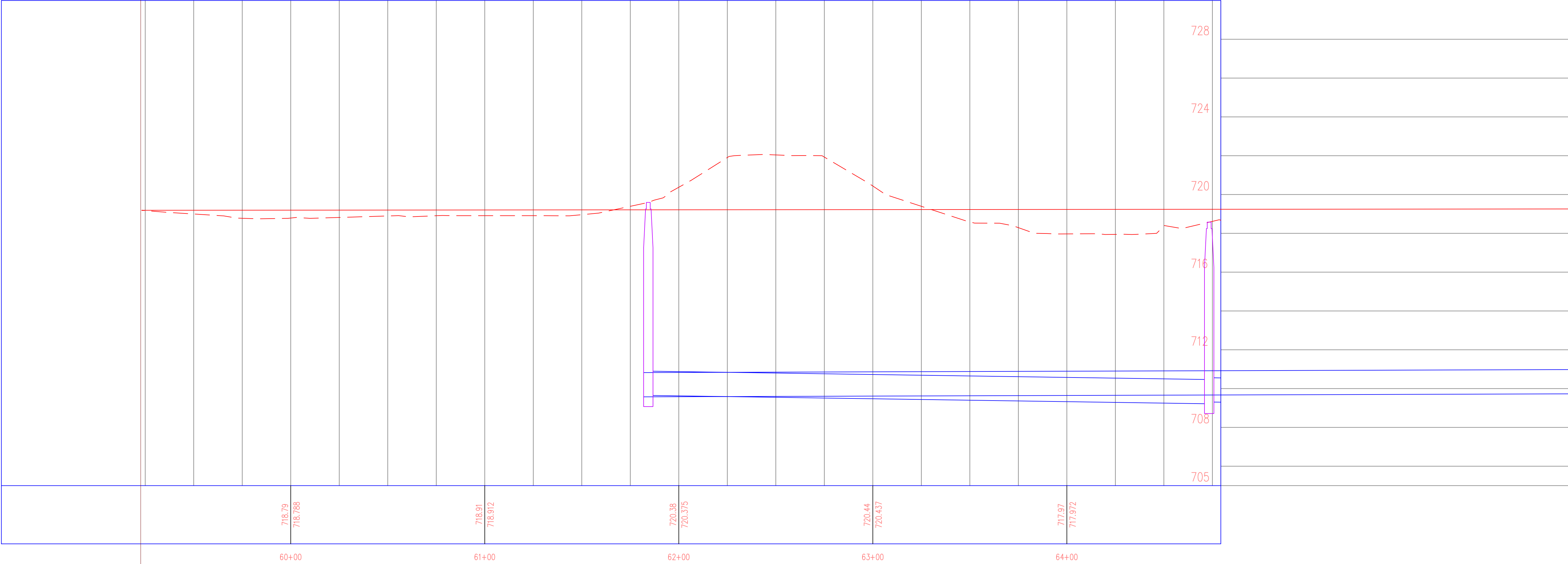
WEST BRANCH
IOWA

SHEET NAME

SANITARY SEWER
PLAN AND PROFILE

SHEET NO.

10



PROJECT: CEE: 4850

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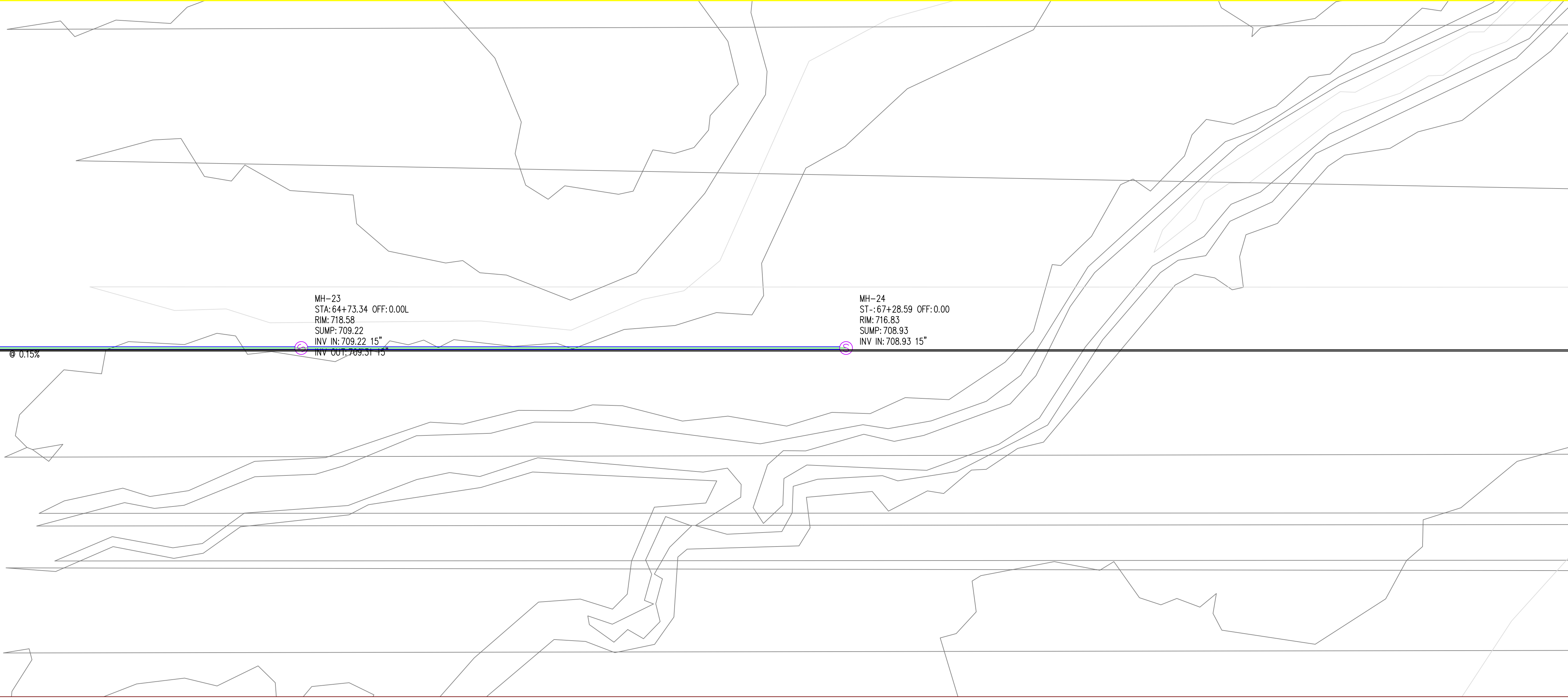
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PROJECT ADDRESS 2

SHEET NAME

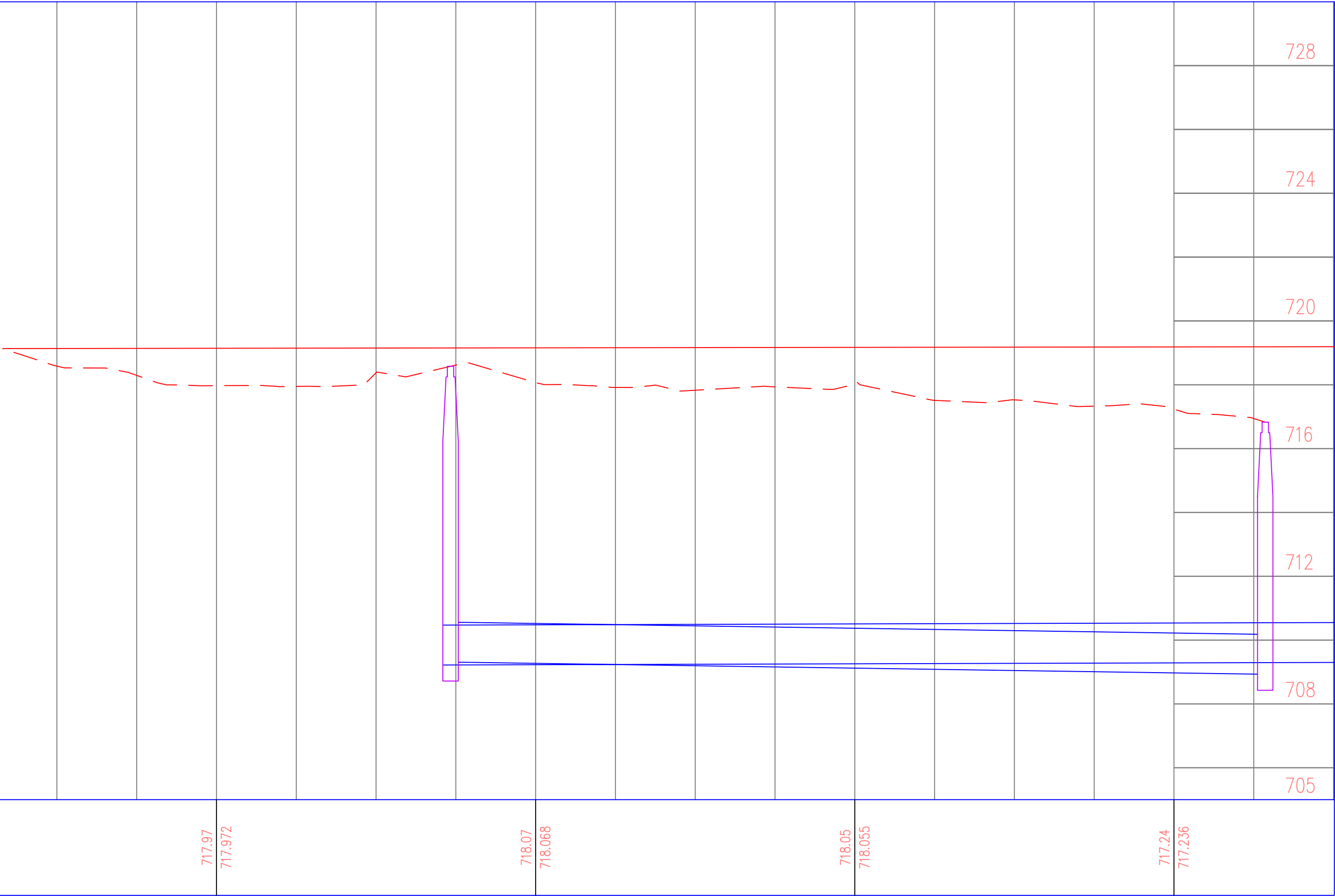
SHEET NAME 1
SHEET NAME 2

SHEET NO.

XX



15 inch WB trunkline PROFILE



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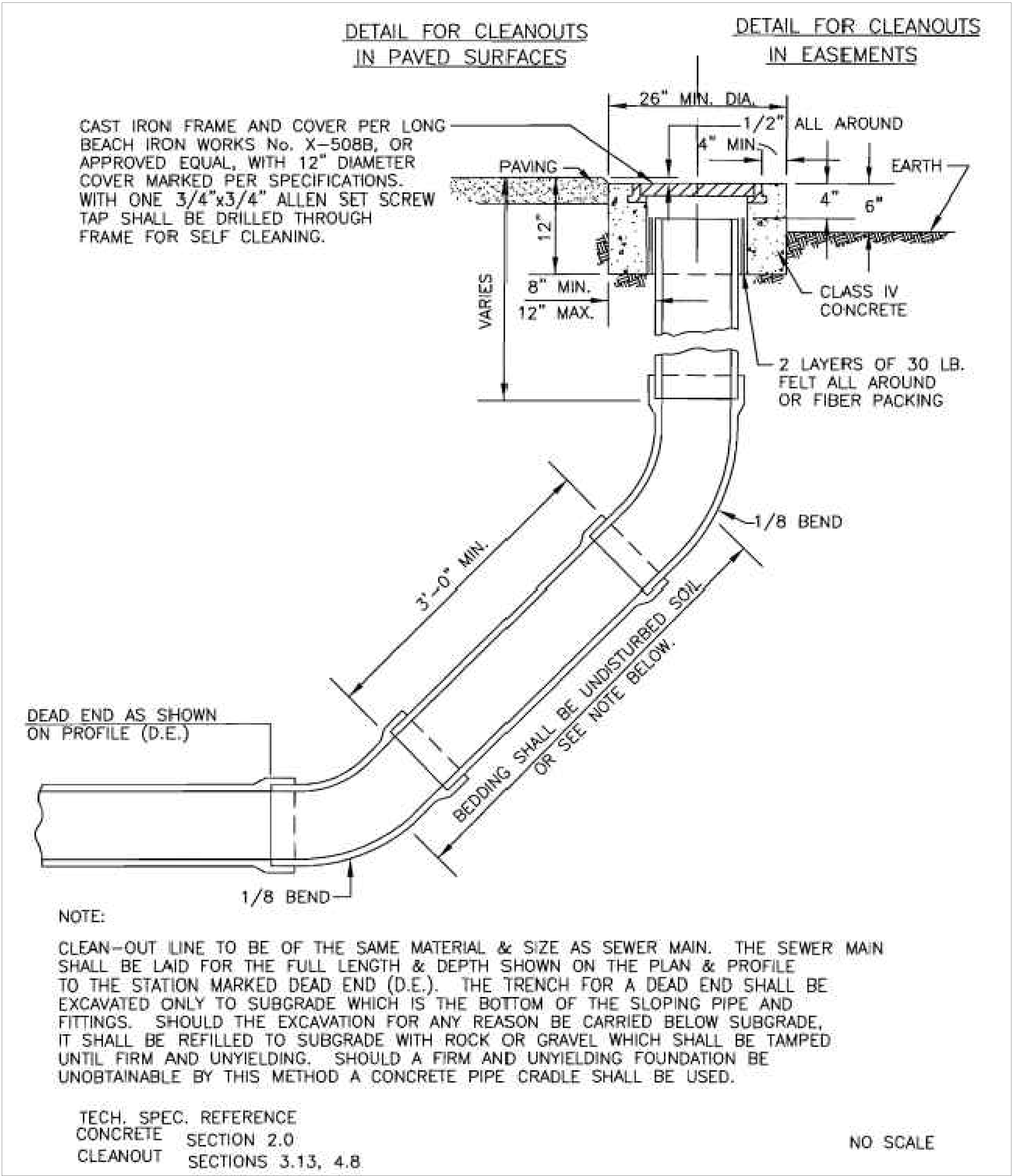
WEST BRANCH
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SHEET NAME

SANITARY SEWER
PLAN AND PROFILE

SHEET NO.

12



PROJECT:	CEE: 4850
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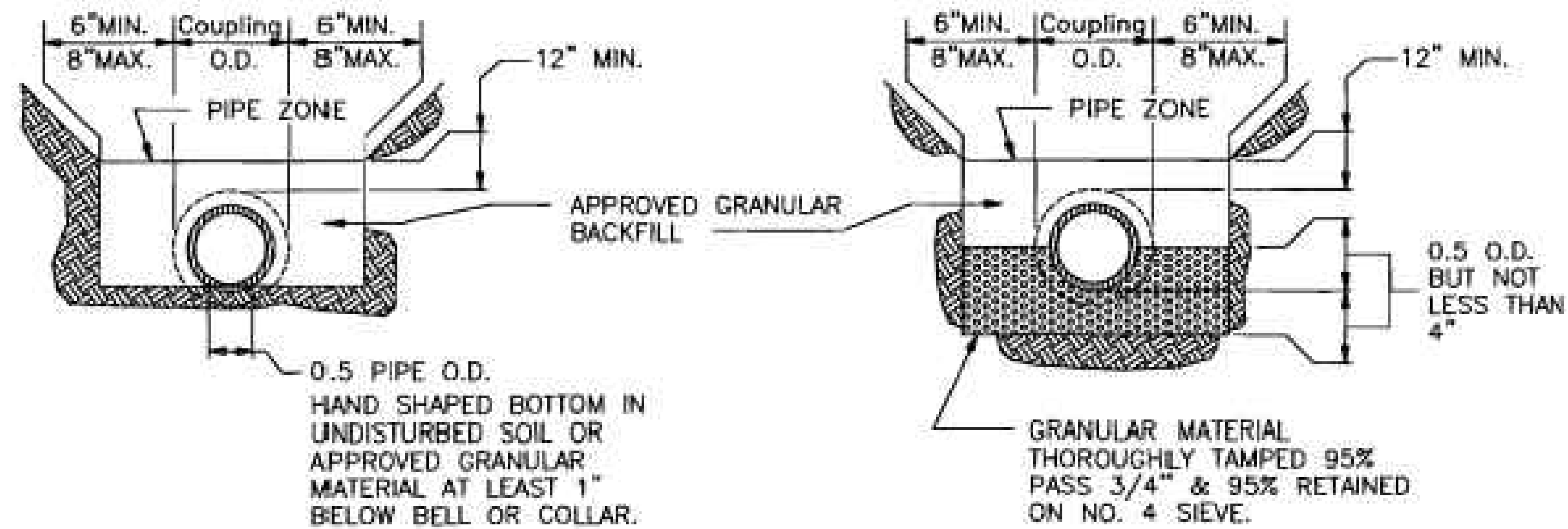
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SANITARY TRUNK LINE
WEST BRANCH
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SHEET NAME
SANITARY SEWER
CLEANOUT

SHEET NO.
C.7

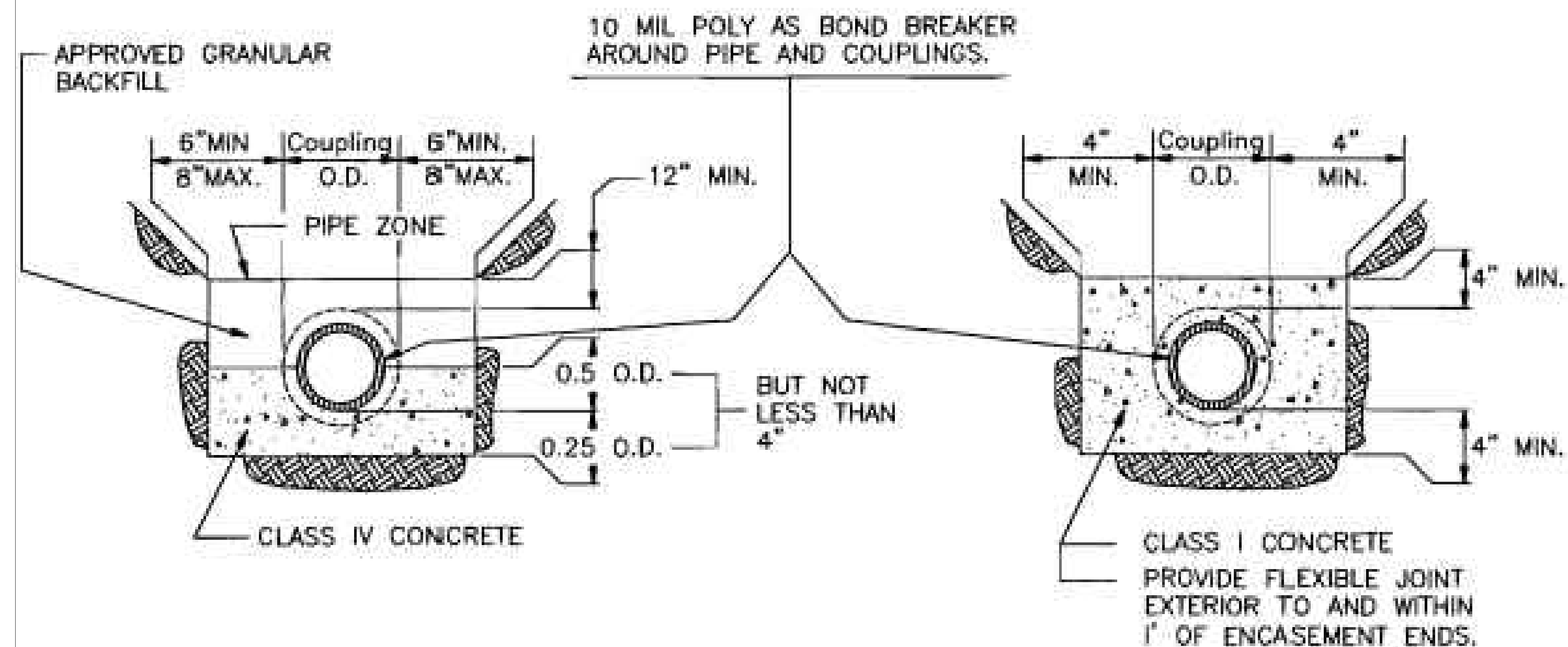


NORMAL BEDDING

(LOAD FACTOR = 1.5)

SPECIAL BEDDING

(LOAD FACTOR = 1.9)



CONCRETE CRADLE

(LOAD FACTOR = 3.0)

NOTE:

DO NOT USE ENCASEMENT FOR A.B.S. or P.V.C. PIPE.
ALL BACKFILL SHALL BE PLACED IN ACCORDANCE WITH THE SPECIFICATIONS.

CONCRETE ENCASEMENT

(LOAD FACTOR = 4.5)

(PIPE OVER 15" REQUIRES SPECIAL DESIGN)

TECH. SPEC. REFERENCE:

CONCRETE -- SECTION 2.0
BEDDING -- SECTION 3.16

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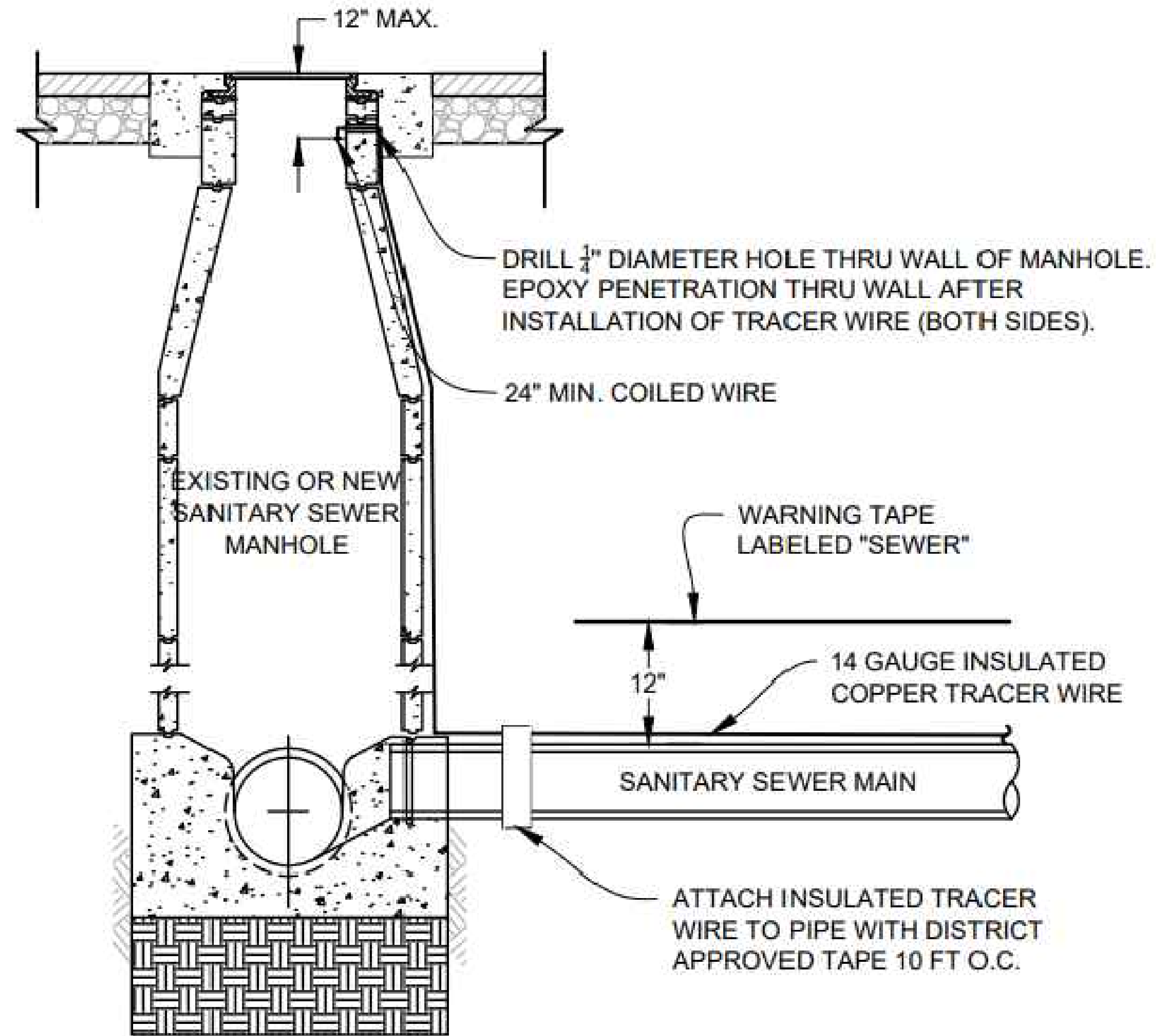
WEST BRANCH
IOWA

SHEET NAME

SANITARY SEWER
PIPE BEDDING

SHEET NO.

C.6



CONSTRUCTION NOTES:

1. TRACER WIRE TO BE INSTALLED CONTINUOUS FROM MANHOLE TO MANHOLE, NO SPLICING WILL BE ALLOWED.
2. CONNECTIONS TO TRUNKLINE TRACER FEED SHALL BE ALLOWED PER SPECIFICATIONS OF DISTRICT APPROVED TRACER WIRE MANUFACTURER.

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SANITARY TRUNK LINE

WEST BRANCH
PROJECT ADDRESS 2

SHEET NAME

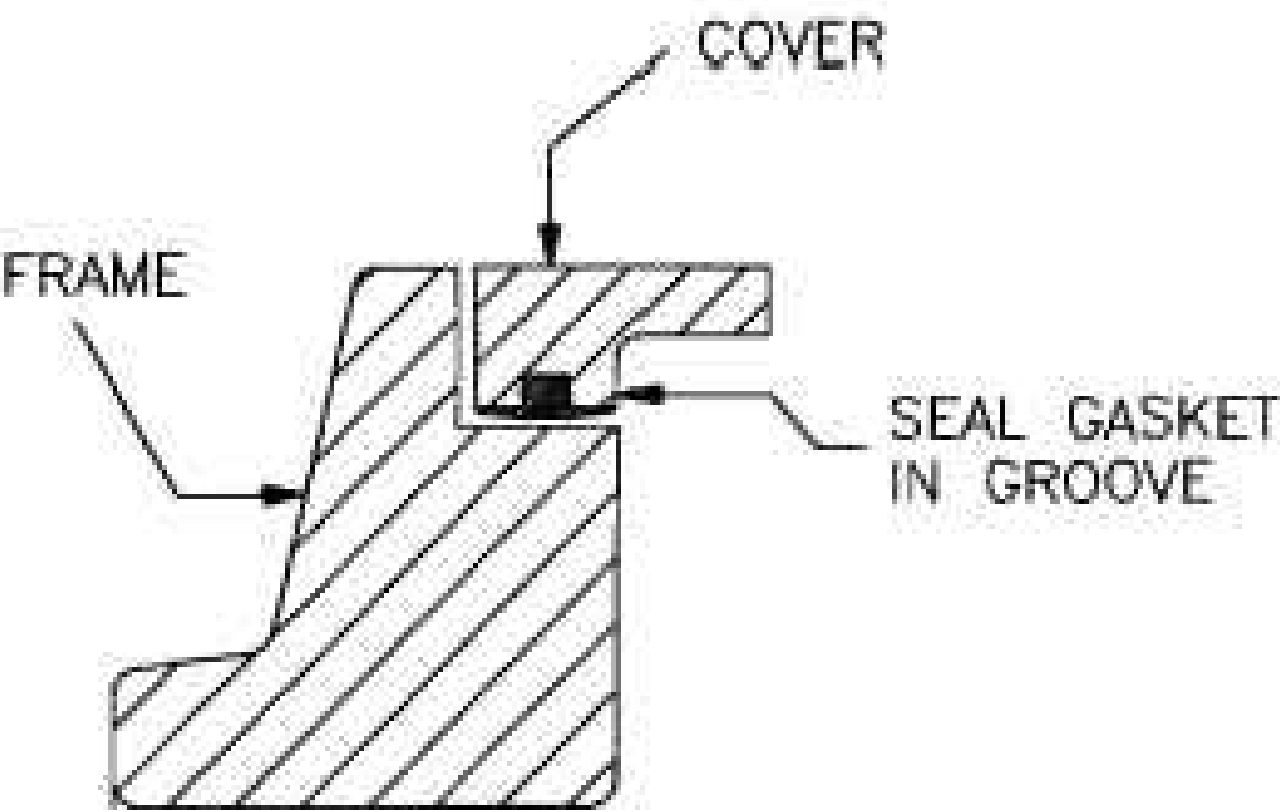
SANITARY SEWER
CONCENTRIC MANHOLE

SHEET NO.

C.1

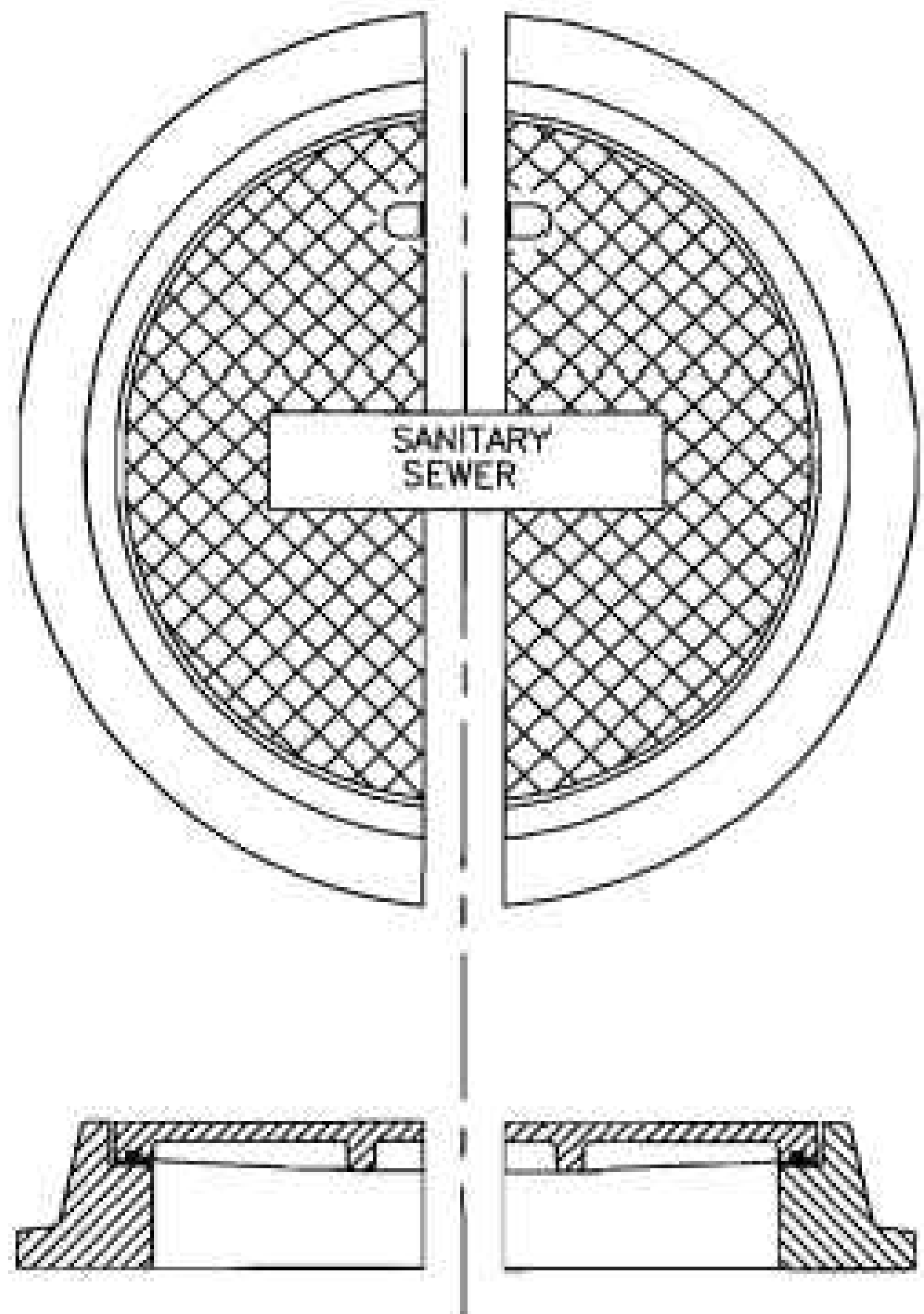
NOTES:

- 1. FRAME AND COVER SHALL BE NEENAH FOUNDRY COMPANY R-1916-F FRAME AND PLATEN LID BOLTED AND GASKETED W/"T" SEAL OR APPROVED EQUAL WITH LIFTING RECEPTACLE CAST INTO THE COVER AS PER DETAIL SHOWN. COVER SHALL HAVE DIAMOND TREAD AND THE WORDS "SANITARY SEWER" CAST INTO THE COVER.
- 2. BOLT-DOWN COVERS ARE REQUIRED IN ALL LOCATIONS AND ARE DENOTED THUSLY —⊙— ON THE PLANS.
- 3. TWO, ONE-HALF INCH STAINLESS STEEL OR MONEL STEEL HEXHEAD BOLTS REQUIRED FOR EACH BOLT DOWN COVER. BOLT HOLES SHALL BE DRILLED COMPLETELY THROUGH THE FRAME AND SHALL BE AMERICAN NATIONAL COARSE THREAD. COVER SHALL BE COUNTER BORED TO ALLOW BOLTS TO FINISH FLUSH WITH THE TOP OF THE COVER.
- 4. NO MANHOLE RING AND COVER SET SHALL BE LESS THAN TWENTY FOUR (24) INCHES INSIDE DIAMETER.

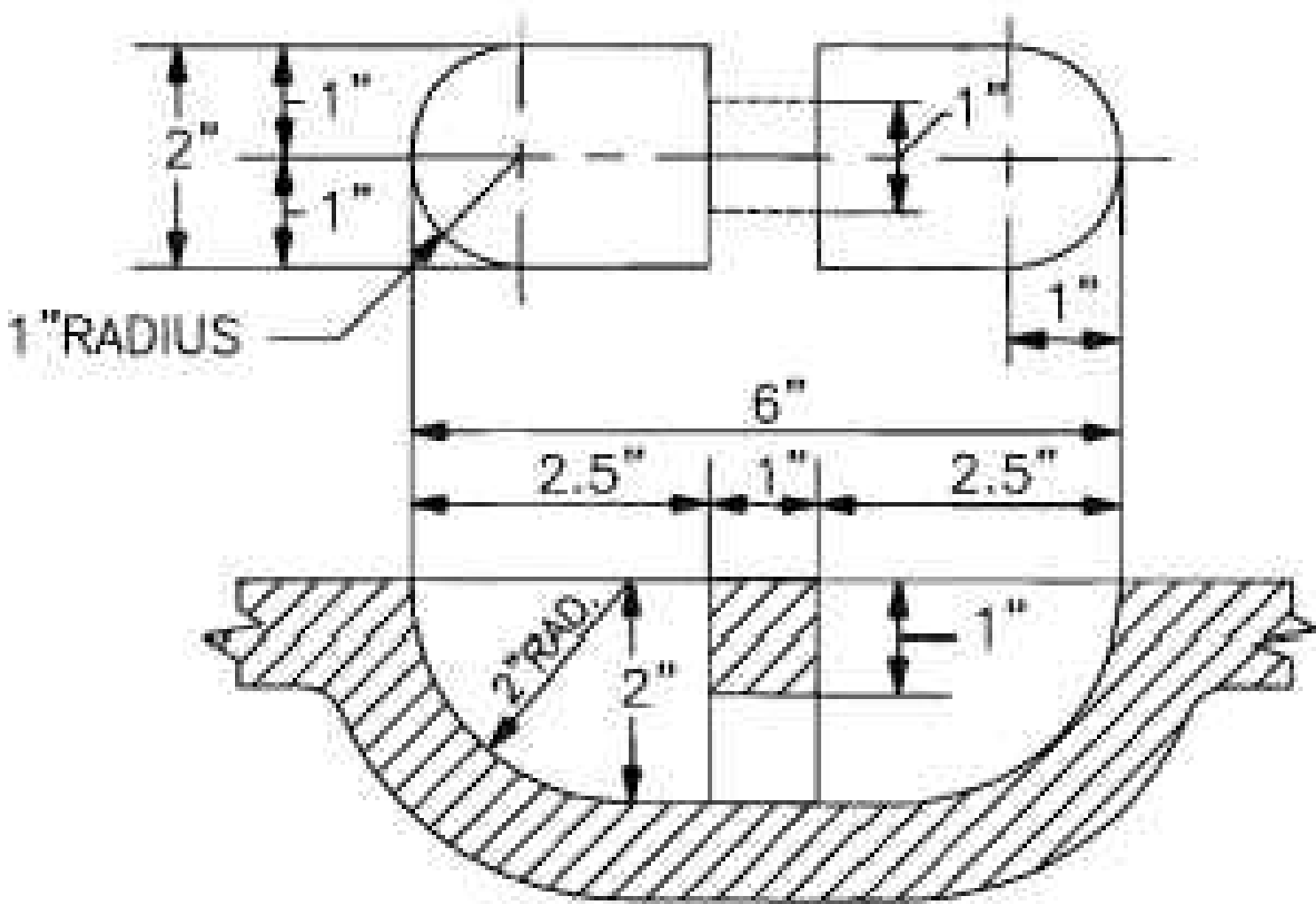


SEAL DETAIL

NO SCALE
TECH. SPEC. REF:
SECTION 4.9



FRAME AND COVER DETAIL



LIFTING RECEPTACLE DETAIL

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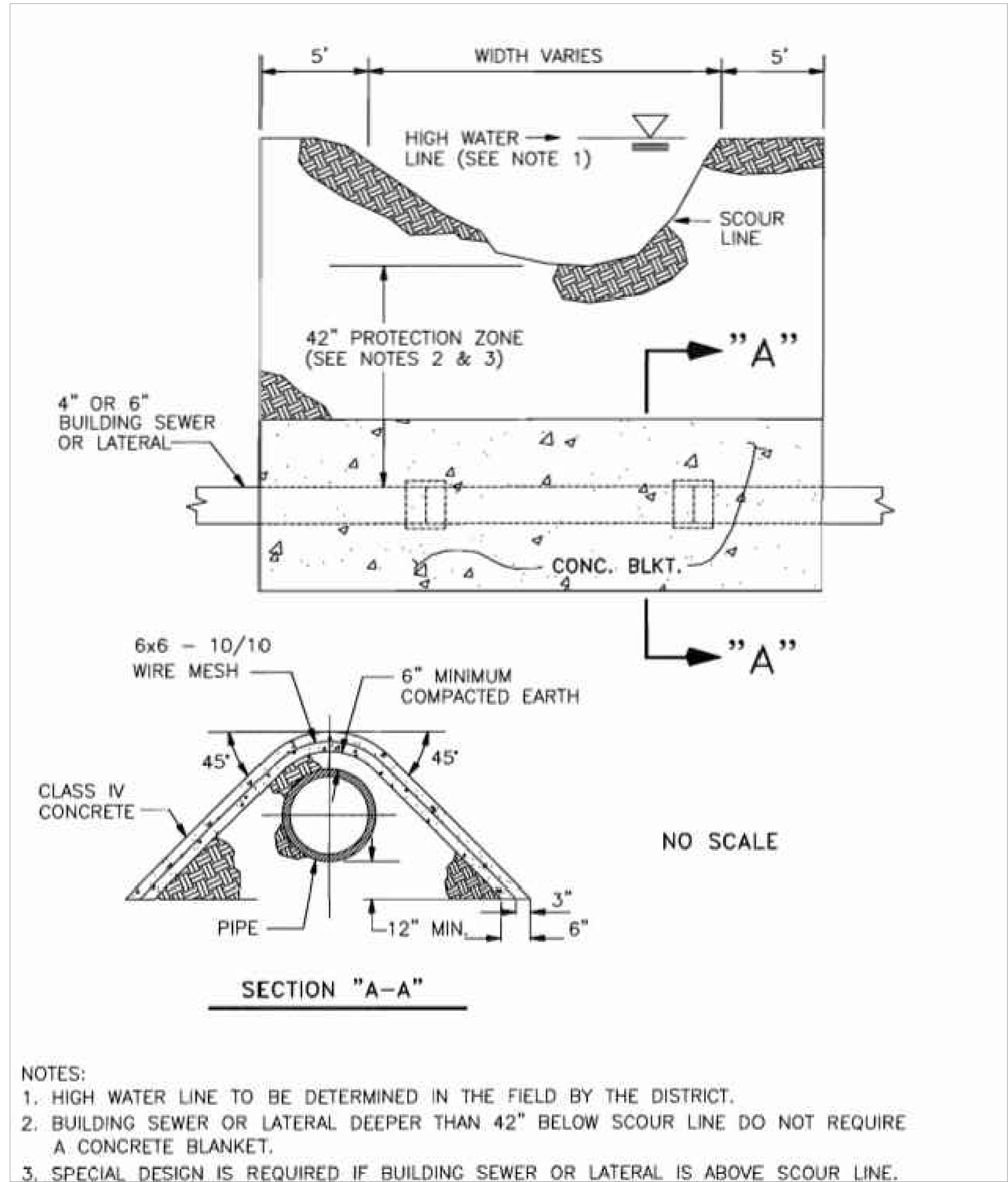
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FRAME AND COVER

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C.5



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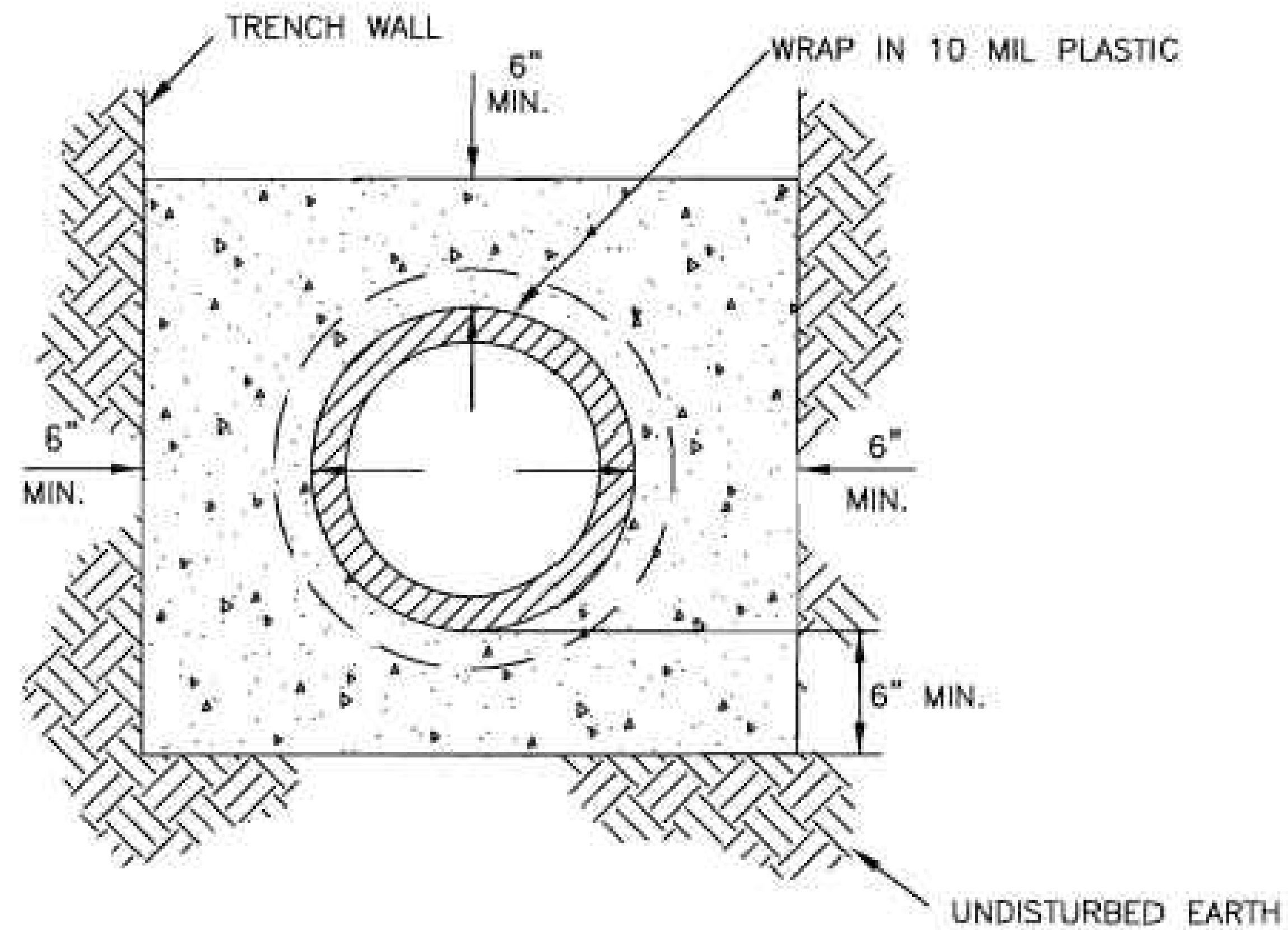
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SHEET NAME
SANITARY SEWER
CONCRETE BLANKET

SHEET NO.
C.2



NOTES:

1. CONCRETE ENCASEMENT SHALL BE INSTALLED AS REQUIRED BY THE SPECIFICATIONS OR DIRECTED BY THE ENGINEER.
2. CONCRETE SHALL BE CLASS 2 SACK SAND SLURRY

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SHEET NAME
SANITARY SEWER
CONCRETE ENCASEM

SHEET NO.
C.3