

**HAWKINS VALLEY
PHASE 1
FOR THOMAS D.B. COLLINS, LTD.
CITY OF BRYANT,
SALINE COUNTY, ARKANSAS**

GNE response to comments drawn in red

Prepared by:

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Bryant, AR 72022
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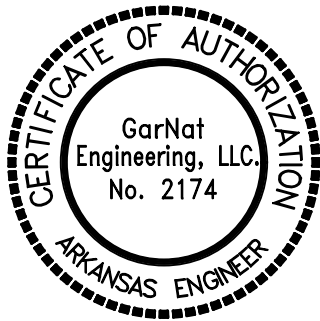
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DRAWING INDEX:

V1.0	PRELIMINARY PLAT
C2.0	OVERALL WATER AND SEWER PLAN
C2.1	SEWER PLAN & PROFILE MAIN A
C2.2	SEWER PLAN & PROFILE MAIN B
C2.3	SEWER PLAN & PROFILE MAIN C
C2.4	SEWER PLAN & PROFILE MAIN D & E
C3.0	STREET & DRAINAGE PLAN
C3.1	ROAD PROFILES
C3.2	OUTLET STRUCTURE DETAILS



ARKANSAS



NOTES:

1. BURIED UTILITIES ARE LOCATED AT THE SITE. CONTACT ARKANSAS ONE CALL & WHERE APPROPRIATE THE UTILITY COMPANIES PRIOR TO DIGGING.

2. ALL UNRESTRAINED WATER LINE FITTINGS SHALL BE INSTALLED WITH A CONCRETE THRUST BLOCK FOR JOINT RESTRAINT.

3. WORK ON EXISTING ROADS SHALL INCLUDE WARNING SIGNS & BARRICADES IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE, COUNTY, OR CITY HAVING JURISDICTION. OTHER SIGNS & DEVICES, SUCH AS PLATING, SHALL BE PLACED AS REQUIRED TO ADEQUATELY PROTECT THE PUBLIC.

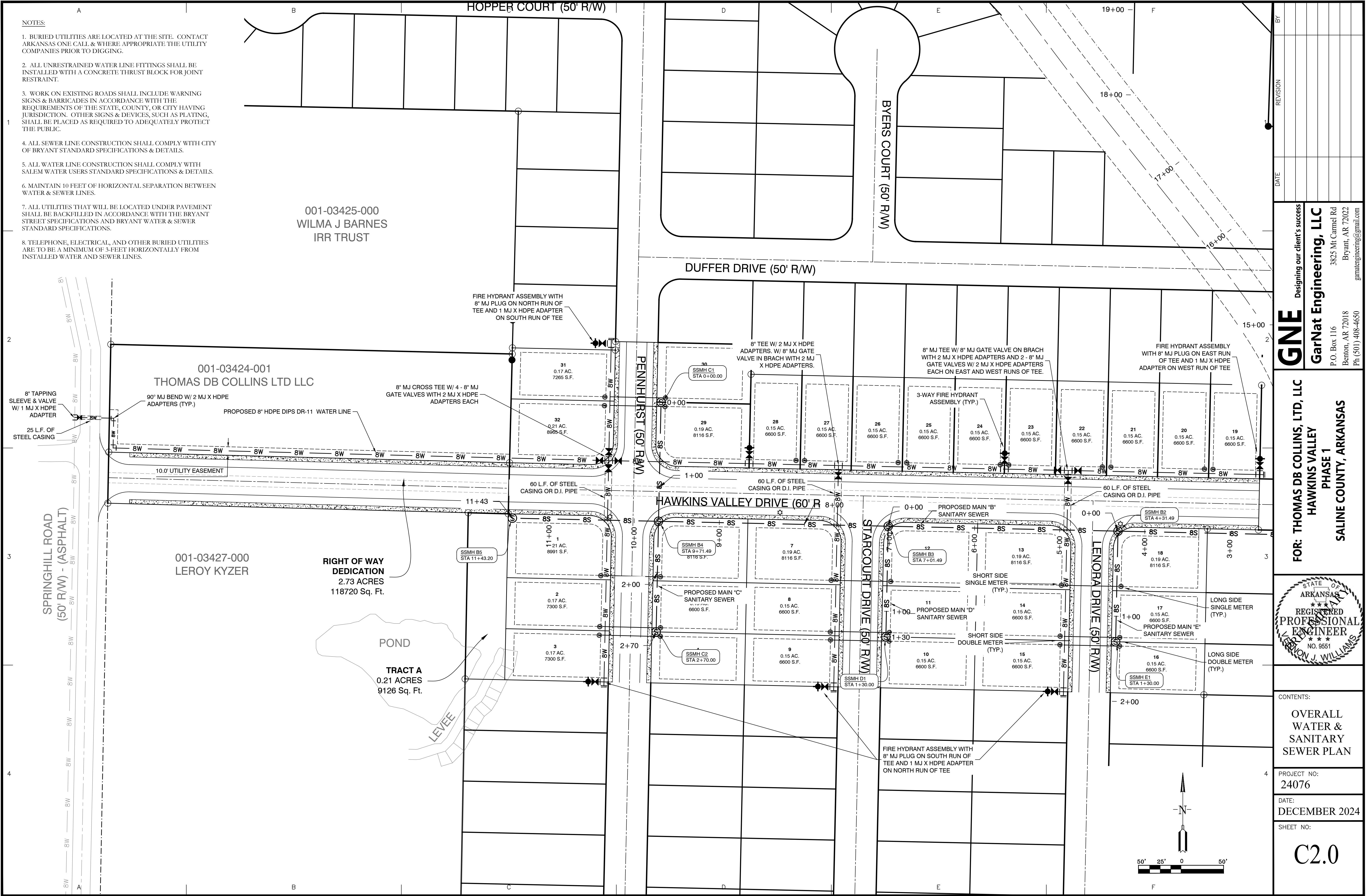
4. ALL SEWER LINE CONSTRUCTION SHALL COMPLY WITH CITY OF BRYANT STANDARD SPECIFICATIONS & DETAILS.

5. ALL WATER LINE CONSTRUCTION SHALL COMPLY WITH SALEM WATER USERS STANDARD SPECIFICATIONS & DETAILS.

6. MAINTAIN 10 FEET OF HORIZONTAL SEPARATION BETWEEN WATER & SEWER LINES.

7. ALL UTILITIES THAT WILL BE LOCATED UNDER PAVEMENT SHALL BE BACKFILLED IN ACCORDANCE WITH THE BRYANT STREET SPECIFICATIONS AND BRYANT WATER & SEWER STANDARD SPECIFICATIONS.

8. TELEPHONE, ELECTRICAL, AND OTHER BURIED UTILITIES ARE TO BE A MINIMUM OF 3-FEET HORIZONTALLY FROM INSTALLED WATER AND SEWER LINES.



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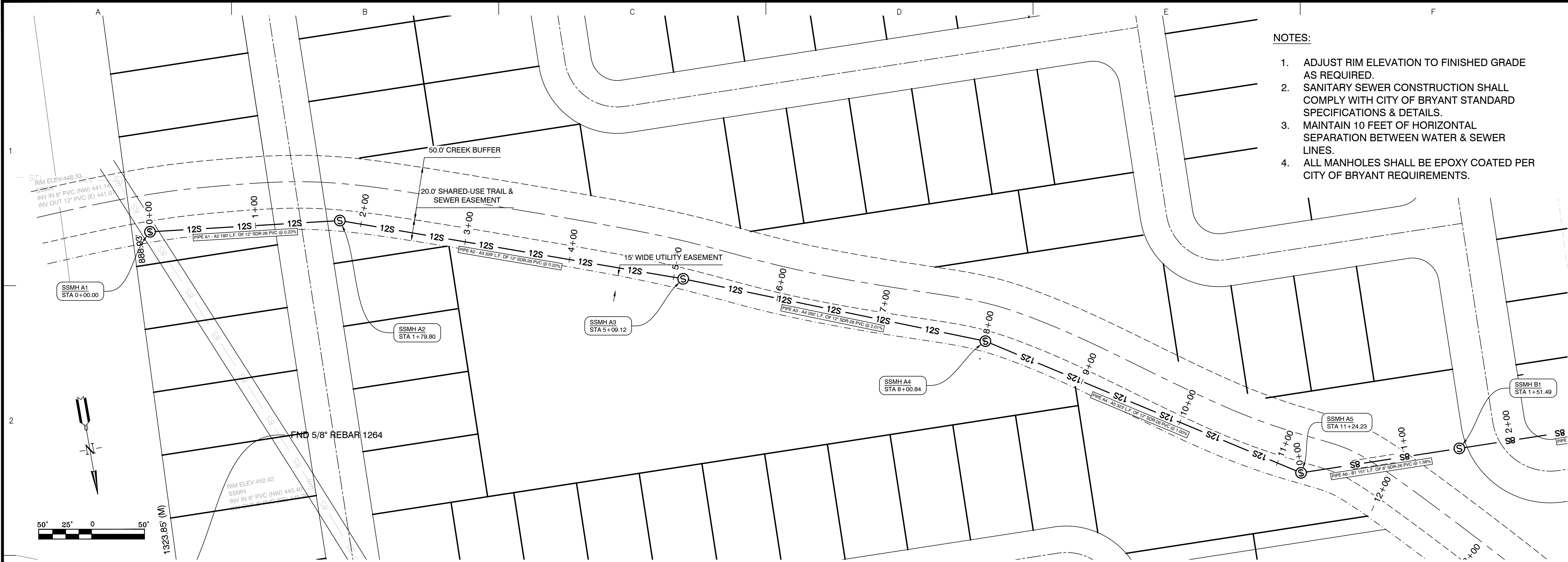
FOR: **THOMAS DB COLLINS, LTD, LLC**
HAWKINS VALLEY
PHASE 1
SALINE COUNTY, ARKANSAS



CONTENTS:
**OVERALL
WATER &
SANITARY
SEWER PLAN**

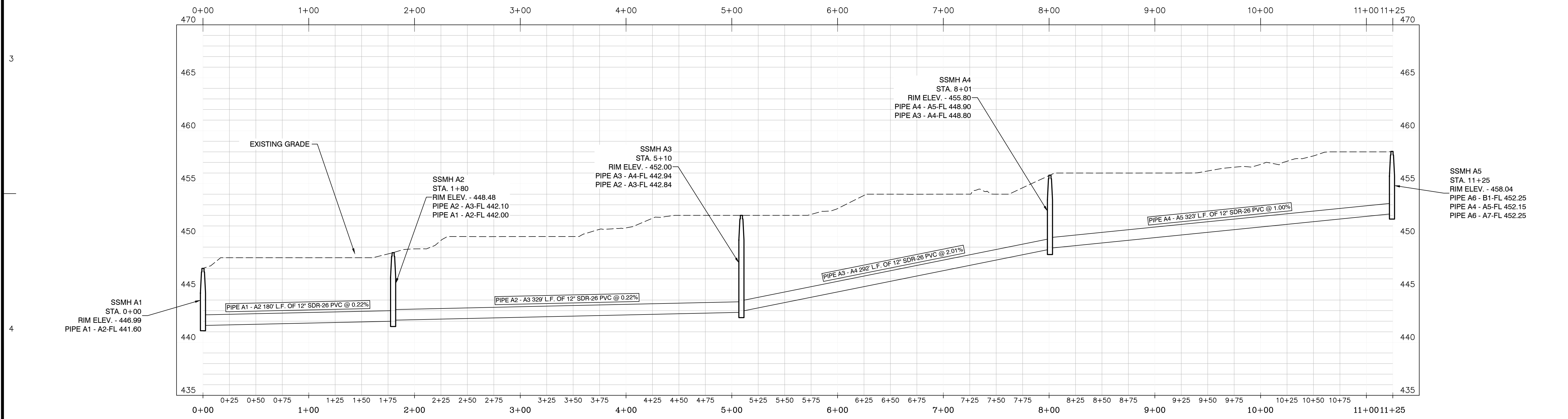
PROJECT NO:
24076
DATE:
DECEMBER 2024
SHEET NO:

C2.0



- NOTES:
1. ADJUST RIM ELEVATION TO FINISHED GRADE AS REQUIRED.
 2. SANITARY SEWER CONSTRUCTION SHALL COMPLY WITH CITY OF BRYANT STANDARD SPECIFICATIONS & DETAILS.
 3. MAINTAIN 10 FEET OF HORIZONTAL SEPARATION BETWEEN WATER & SEWER LINES.
 4. ALL MANHOLES SHALL BE EPOXY COATED PER CITY OF BRYANT REQUIREMENTS.

SEWER MAIN A STA. 0+00 - 11+25



SCALE: H 1" = 50'
V 1" = 5'

BY		REVISION		DATE	

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FOR: THOMAS DB COLLINS, LTD, LLC

HAWKINS VALLEY

PHASE 1

SALINE COUNTY, ARKANSAS

STATE OF ARKANSAS

REGISTERED PROFESSIONAL ENGINEER

NO. 9551

KEVIN J. WILLIAMS

CONTENTS:

SANITARY SEWER PLAN & PROFILE

MAIN "A"

STA. 0+00 - 11+25

PROJECT NO:

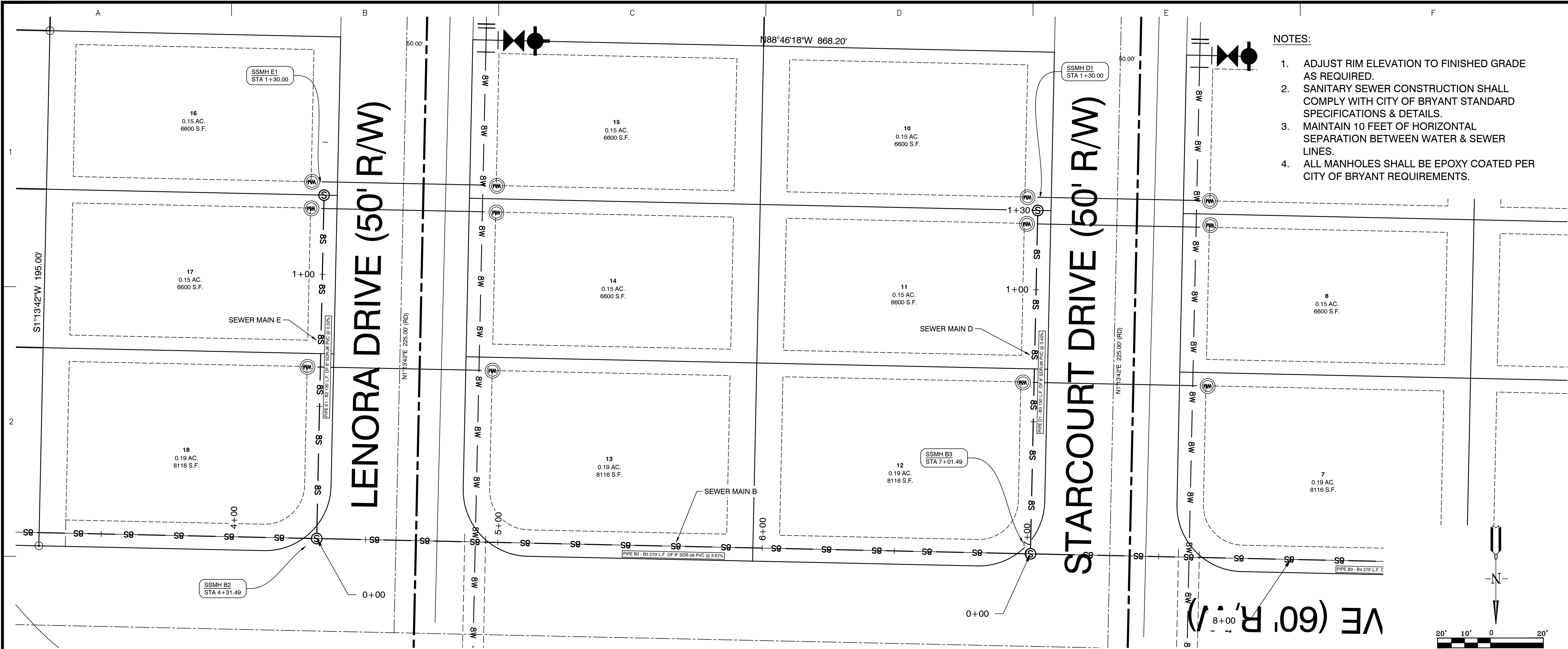
24076

DATE:

DECEMBER 2024

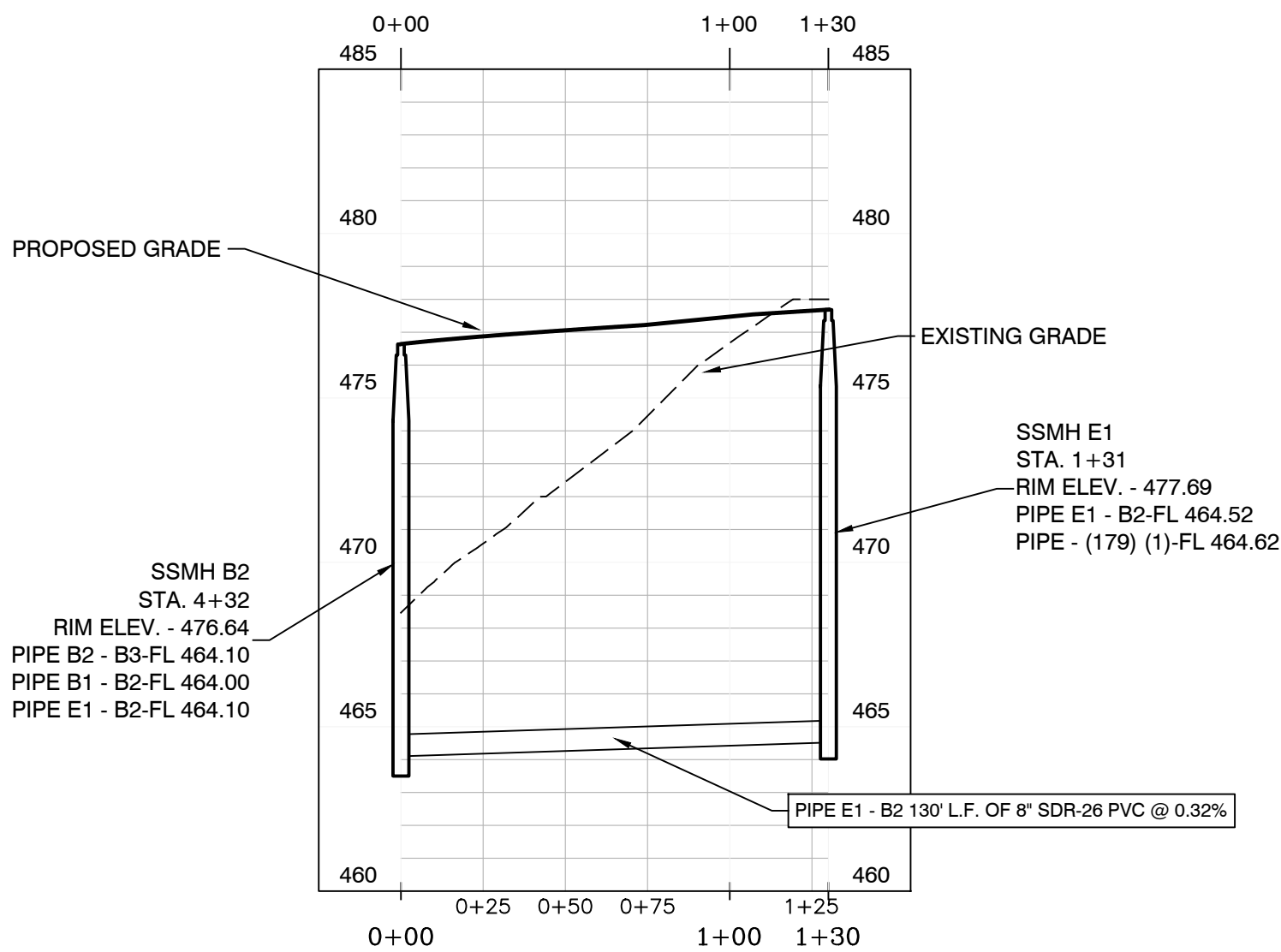
SHEET NO:

C2.1

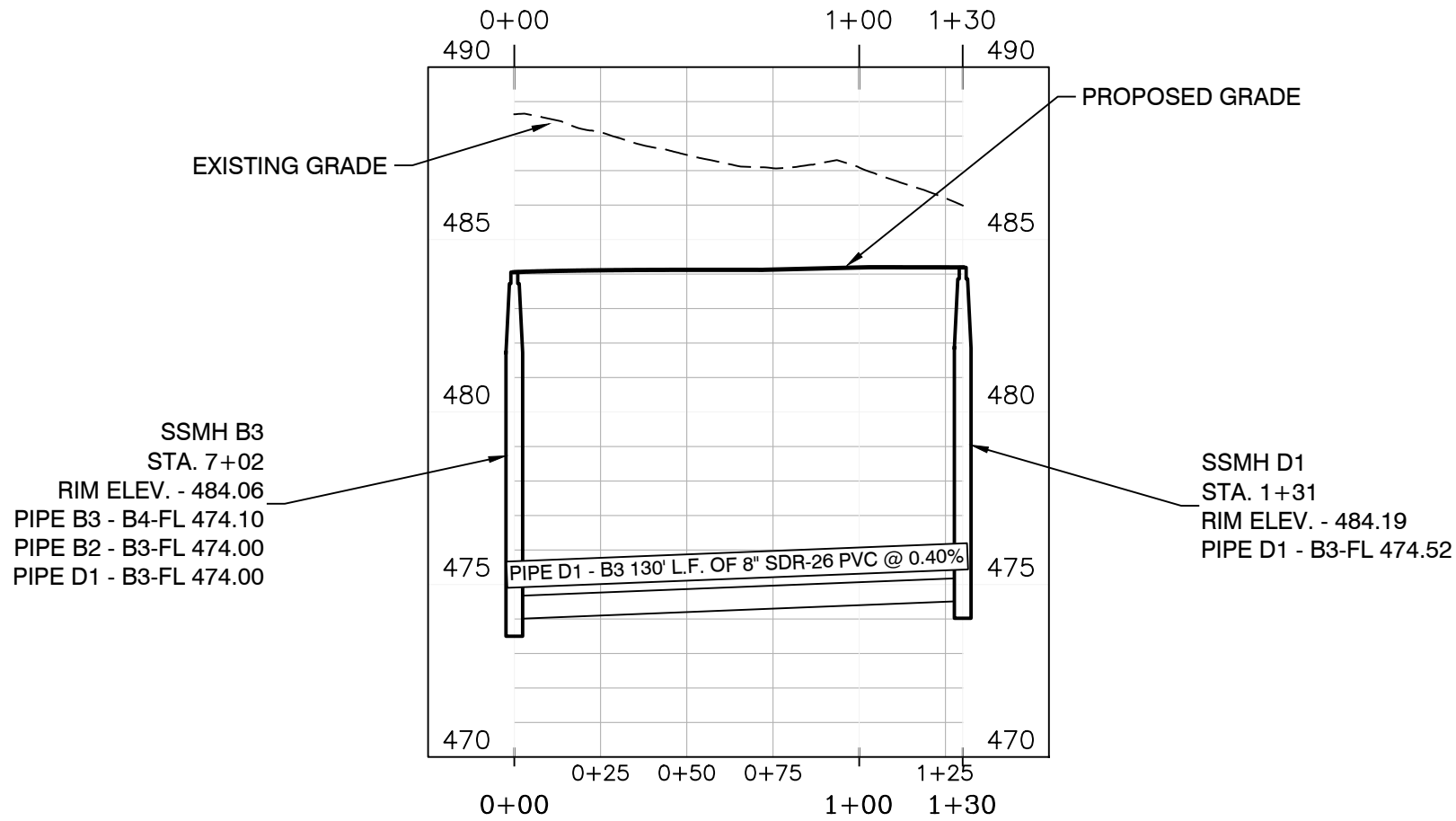


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SEWER MAIN E STA. 0+00 - 1+30

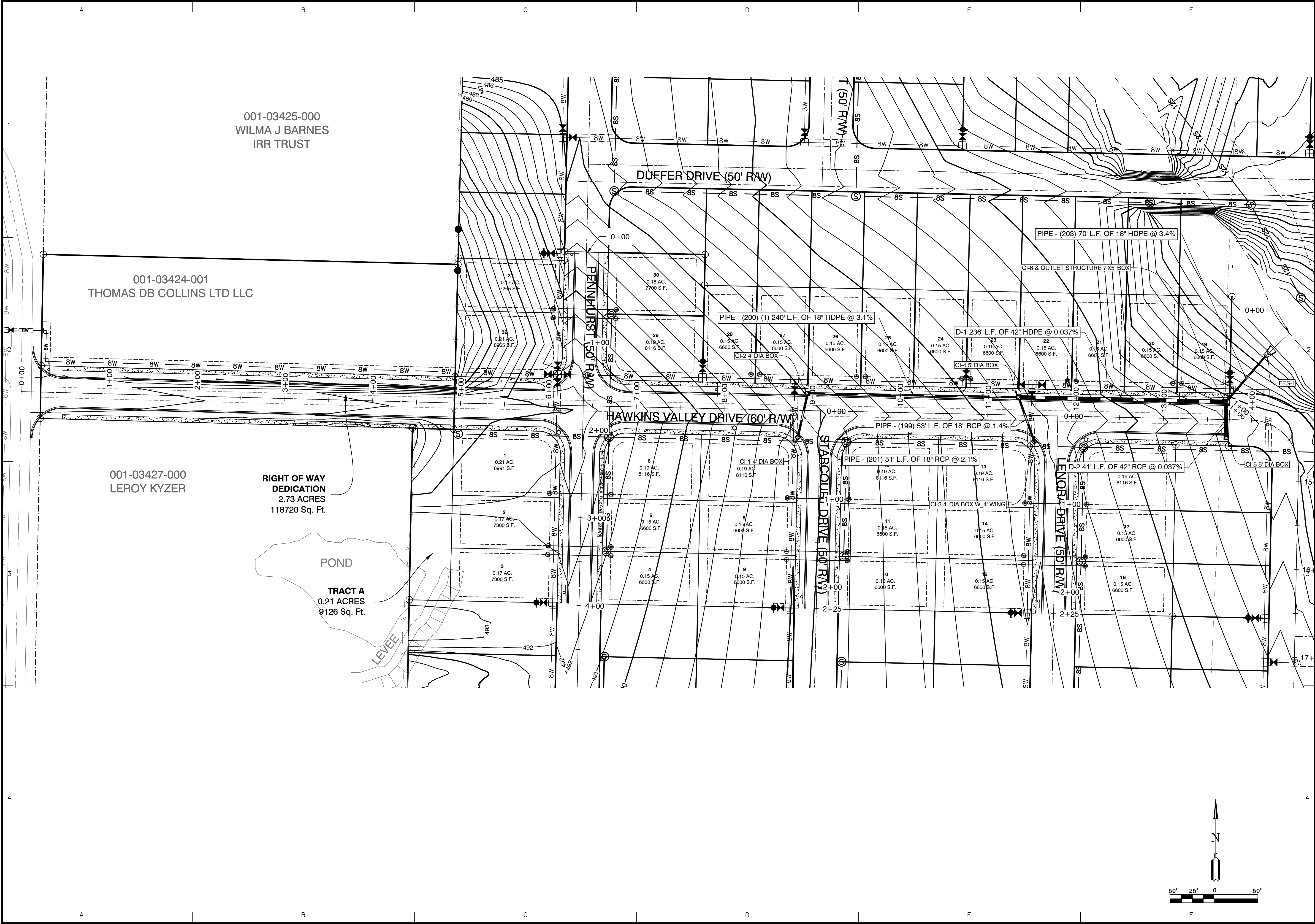


SEWER MAIN D STA. 0+00 - 1+30



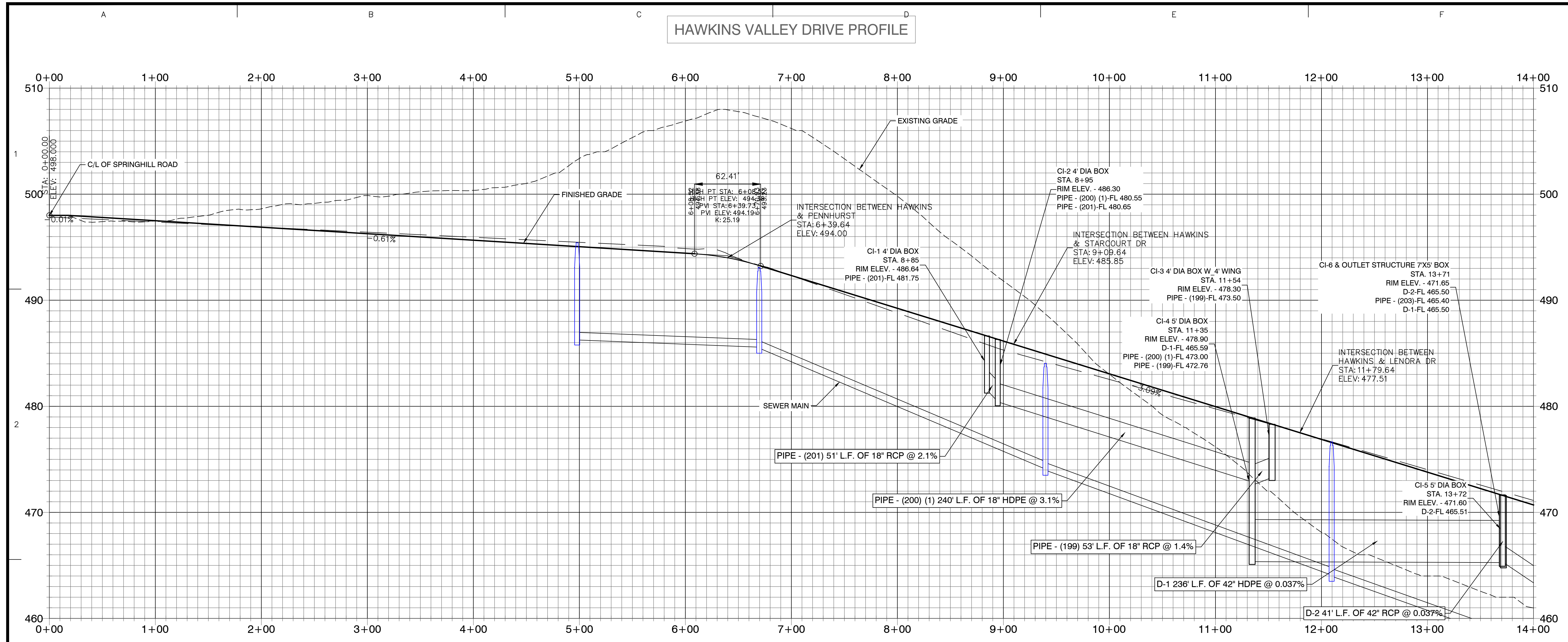
SCALE: H 1" = 50'
V 1" = 5'

BY									
	REVISION								
DATE									
FOR: THOMAS DB COLLINS, LTD, LLC HAWKINS VALLEY PHASE 1 SALINE COUNTY, ARKANSAS GarNat Engineering, LLC P.O. Box 116 Benton, AR 72018 Ph (501) 408-4650 gamateengineering@gmail.com GarNat Engineering, LLC Designing our client's success									
STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 9551 KEVIN J. WILLIAMS CONTENTS: SANITARY SEWER PLAN & PROFILE MAIN "D" & MAIN "E" STA. 0+00 - 1+30 PROJECT NO: 24076 DATE: DECEMBER 2024 SHEET NO: C2.4									



BY		REVISION	DATE
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GarNat Engineering, LLC			
3825 Mt Carmel Rd Bryant, AR 72022 gamateengineering@gmail.com			
P.O. Box 116 Benton, AR 72018 Ph (501) 408-4650			
FOR: THOMAS DB COLLINS, LTD, LLC			
HAWKINS VALLEY			
PHASE 1			
SALINE COUNTY, ARKANSAS			
1-06-2025			
CONTENTS:			
STREET & DRAINAGE PLAN			
PROJECT NO: 24076			
DATE: JAN 2025			
SHEET NO: 3.0			

\\192.168.0.25\\Project\\24076 Project\\24076 Hawkins Valley Springhill Road Strawberry Lane Lee Purgill\\Drawing\\Drawn\\Sheet\\3-076-Strapright-Road-Drainage Map-RE.dwg



PENNHURST ROAD PROFILE

Stationing: 0+00, 1+00, 2+00, 3+00, 4+00

Elevation: 480, 490, 500, 510

EXISTING GRADE

FINISHED GRADE

SEWER MAIN

118.69'

HIGH PT STA: 2+12.27
HIGH PT ELEV: 494.32
PVI STA: 1+77.47
PVI ELEV: 494.75
K: 25.00

STA: 0+00.00
ELEV: 488.118

5.15%

STA: 1+72.62
ELEV: 494.00

STARCOURT DRIVE PROFILE

0+00 1+00 2+00+25

500 500

CI-14" DIA BOX
STA. 8+85
RIM ELEV. - 486.64
PIPE - (201)-FL 481.75

EXISTING GRADE

FINISHED GRADE

STA: 0+00.00
ELEV: 486.850

STA: 2+00+25.00
ELEV: 484.500

-0.60%

SEWER MAIN

490 490

480 480

470 470

0+00 1+00 2+00+25

The profile view shows the vertical alignment of Lenora Drive. The horizontal axis represents stationing from 0+00 to 2+00. The vertical axis represents elevation in feet, ranging from 460 to 490. The profile includes the following elements:

- EXISTING GRADE:** A dashed line representing the current ground surface.
- FINISHED GRADE:** A solid line representing the proposed road surface.
- SEWER MAIN:** A line representing the sewer main, shown in blue.
- CI-3 4' DIA BOX W/ 4' WING:** A structure located at STA. 11+54, with a RIM ELEV. of 478.30 and a PIPE - (199)-FL 473.50.

The profile shows a 0.60% grade for the finished grade. The existing grade is generally lower than the finished grade, with a significant dip around STA. 11+54. The sewer main is located below the existing grade, with a vertical clearance of approximately 1.5 feet at STA. 11+54.

0+00 1+006

480 480

CI-6 & OUTLET STRUCTURE 7'X5' BOX
STA. 13+71
RIM ELEV. - 471.65
D-2-FL 465.50
PIPE - (203)-FL 465.40
D-1-FL 465.50

FINISHED GRADE

470 470

PIPE - (203) 70' L.F. OF 18" HDPE @ 3.4%

460 460

FES-1
FL=463.0'

EXISTING GRADE

450 450

0+00 1+006

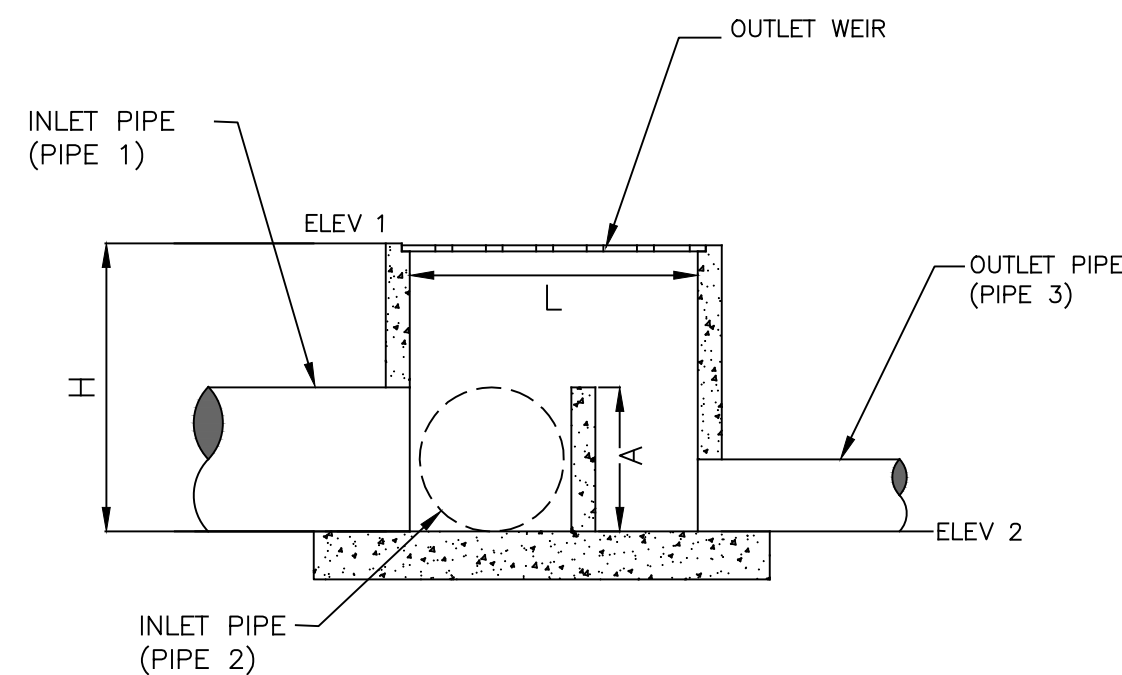
SCALE: H 1" = 5' V 1" = 5'

GNE
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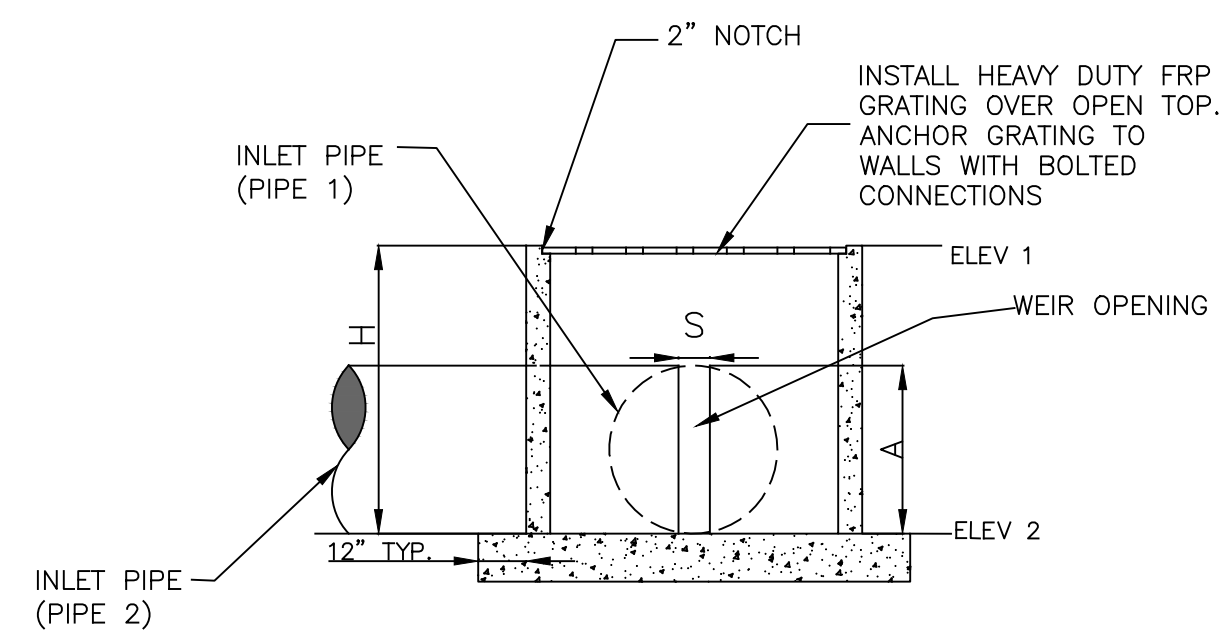
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A circular professional engineer seal for the State of Arkansas. The seal features a laurel wreath border. Inside the border, the text "STATE OF ARKANSAS" is at the top, "REGISTERED PROFESSIONAL ENGINEER" is in the center, and "NO. 9551" is at the bottom. The name "Vernon J. Williams" is written in cursive across the seal.

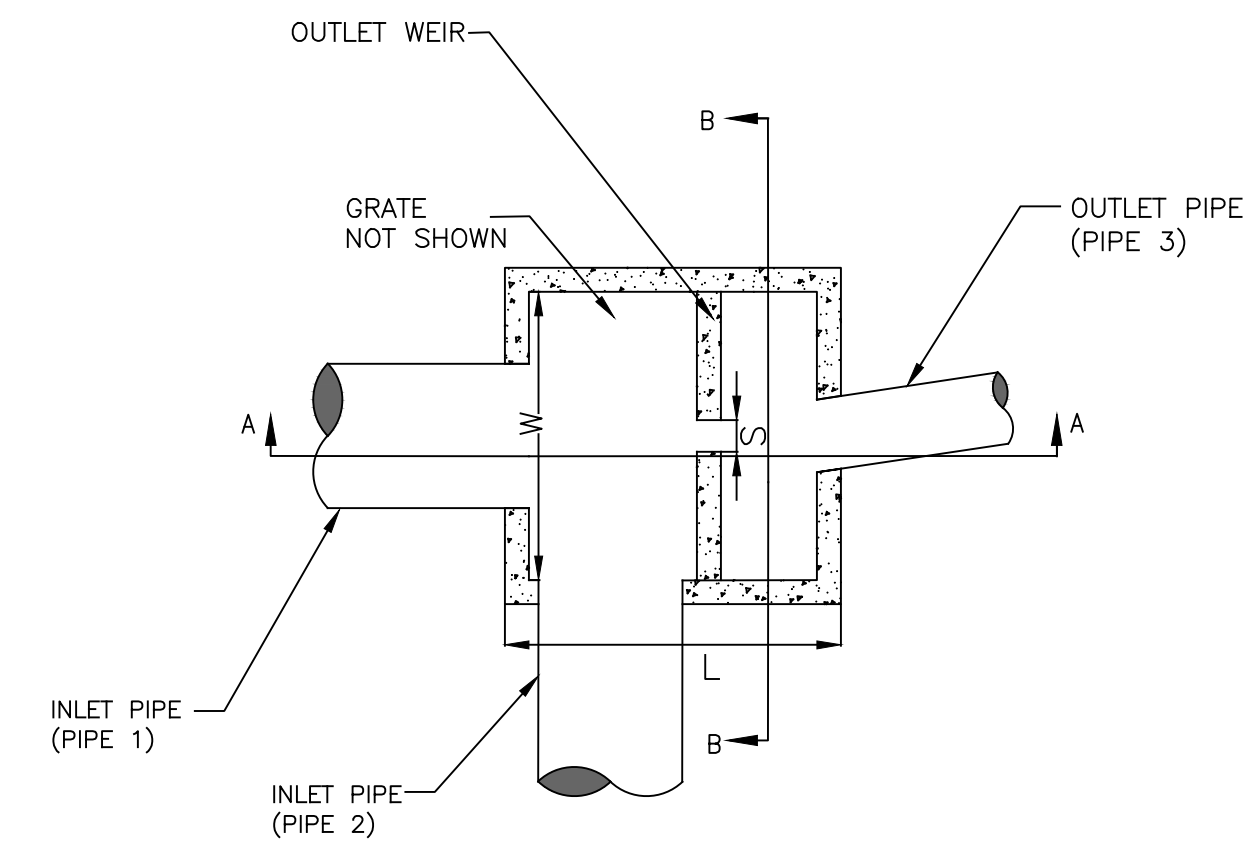
C3.1



DETENTION OUTLET
SECTION A-A
NOT TO SCALE



DETENTION OUTLET
SECTION B-B
NOT TO SCALE



DETENTION OUTLET
PLAN VIEW
NOT TO SCALE

CONTROL STRUCTURE										
OUTLET STRUCTURE	L	W	H	ELEV 1	ELEV 2	S	PIPE 1 DIA	PIPE 2 DIA	PIPE 3 DIA	A
1	7'-0"	5'-0"	6'-3"	471.65	465.40	0'-7.5"	42"	42"	18"	3'-6"

DETENTION OUTLET NOTES:

1. ALL CONCRETE WALLS SHALL BE A MINIMUM OF 6" THICK & REINFORCED WITH #4'S @ 12" O.C. BOTH WAYS.
2. BOTTOM SLAB SHALL BE 12" THICK & REINFORCED WITH #4'S @ 12" O.C. BOTH WAYS.

**FOR: THOMAS DB COLLINS, LTD, LLC
HAWKINS VALLEY
PHASE 1
SALINE COUNTY, ARKANSAS**



- 06-2025

CONTENTS:

OUTLET STRUCTURE DETAILS

PROJECT NO:
24076

DATE:
JAN 2025

SHEET NO:

C3.2

\\\\192.168.0.58\\Projects\\2024 Projects\\24075 Hawkins Valley Springhill Road Strawberry Lane Lee Pengelly\\Drawings\\DWGs\\Design\\24075-Springhill-Road-Drainage Map-R6.dwg