

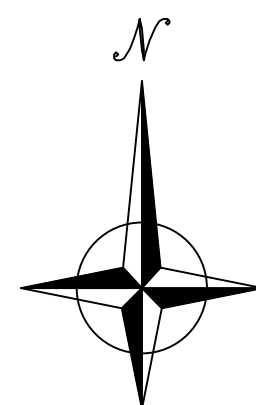
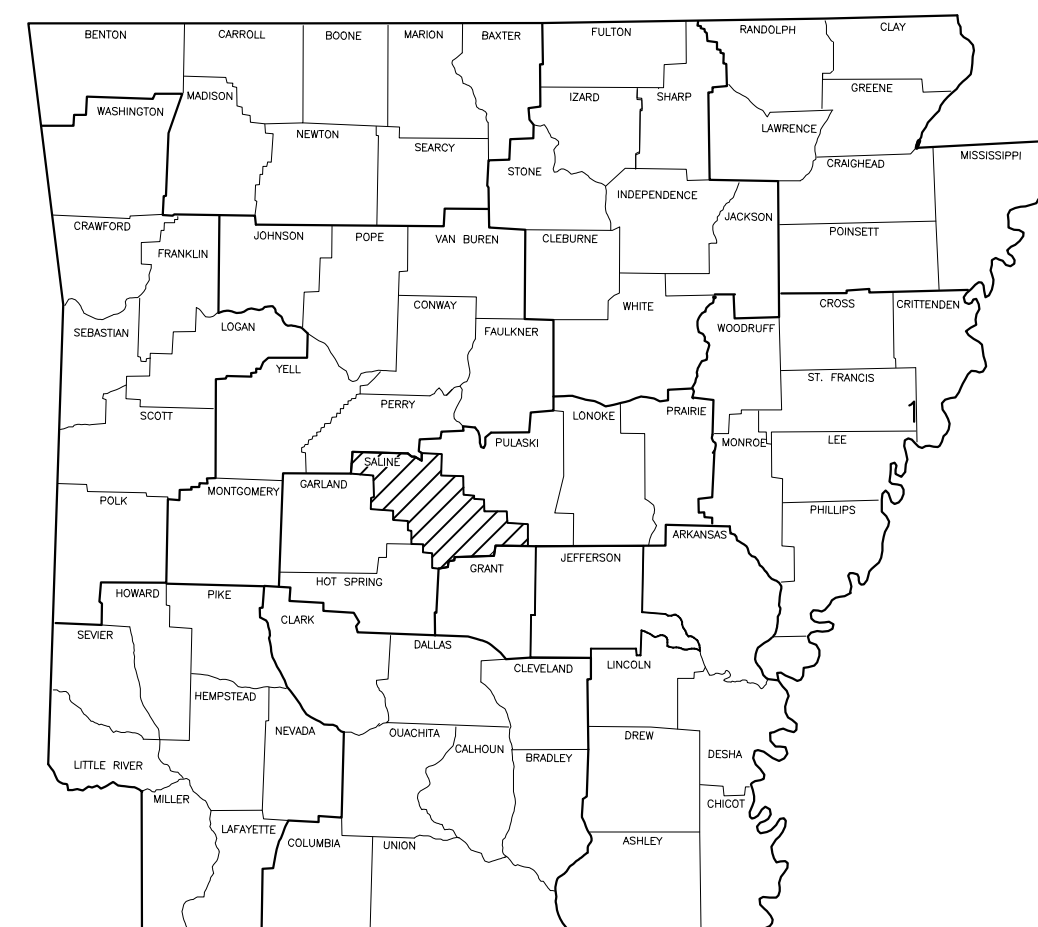
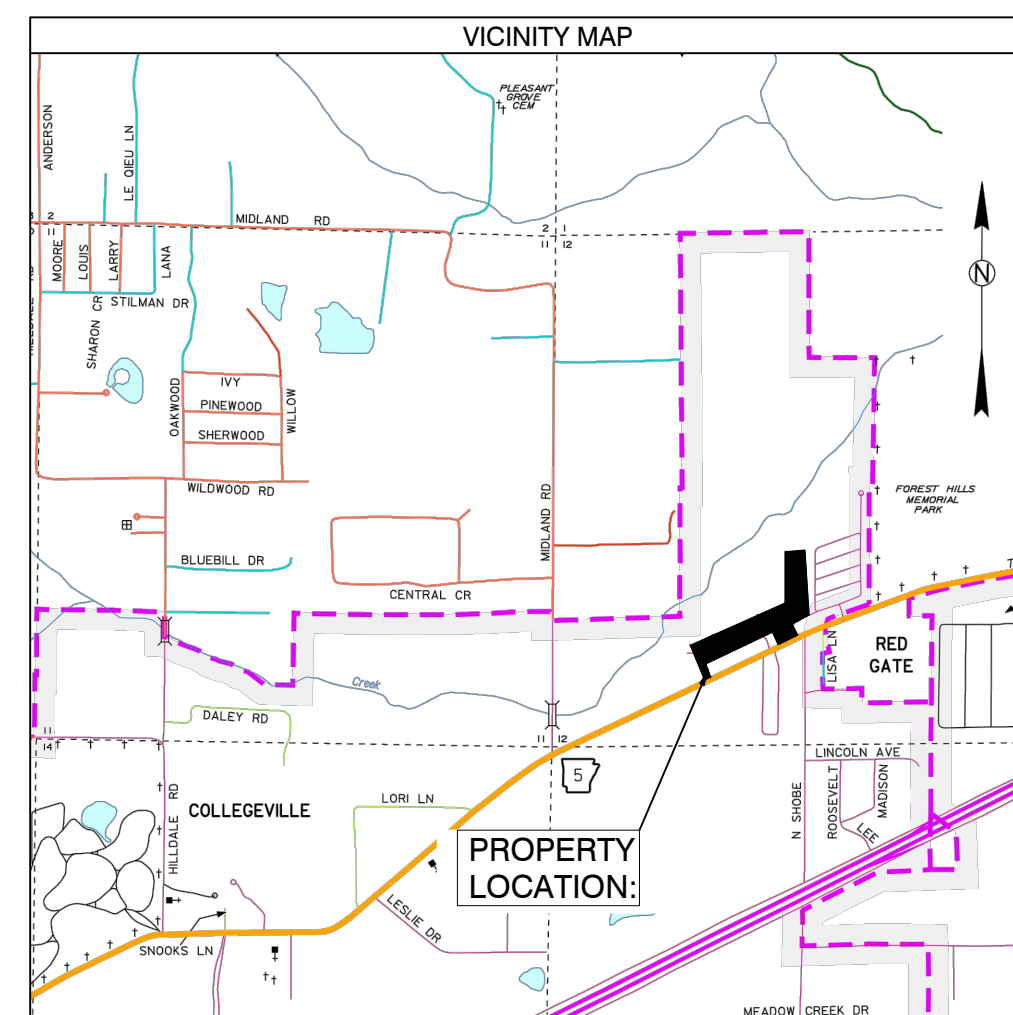
DIAMOND ESTATES SUBDIVISION BRYANT, ARKANSAS

Prepared by:
GarNat Engineering, LLC

Designing our client's success
www.garnatengineering.com

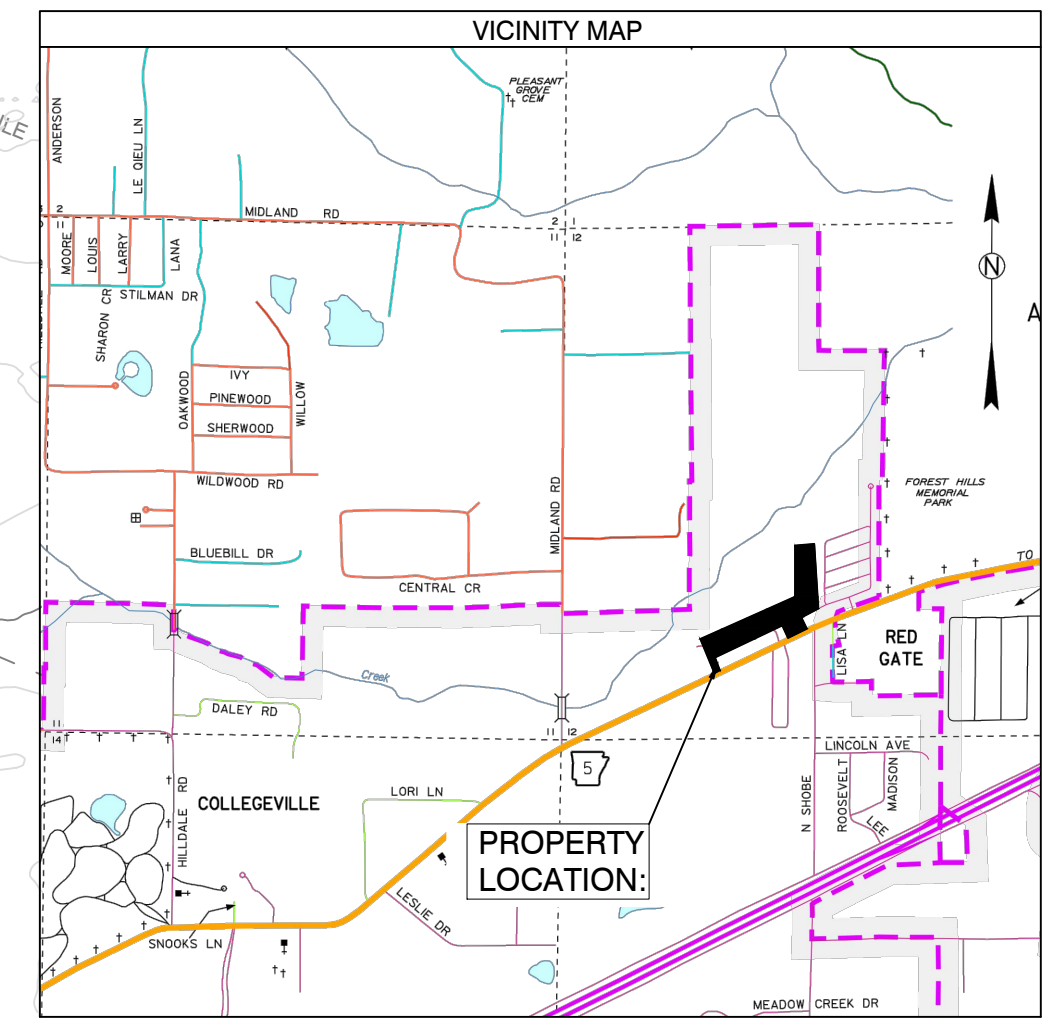
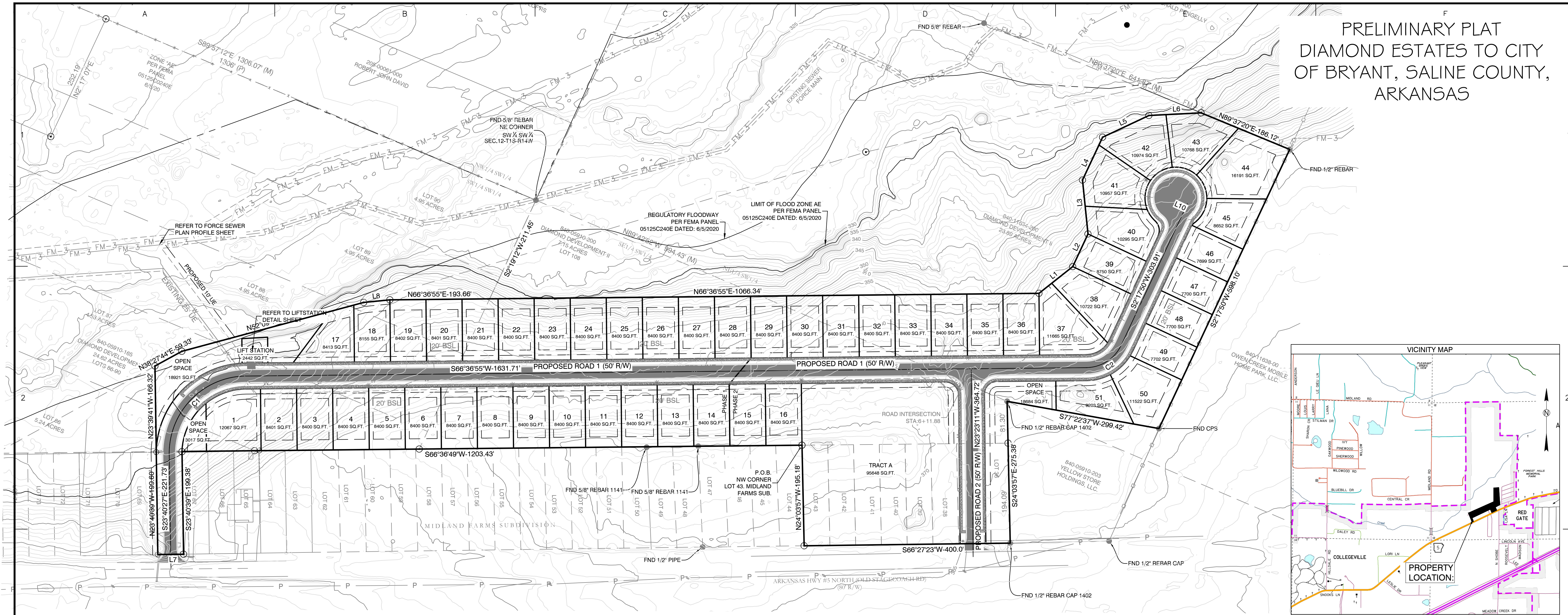
P.O. Box 116
Benton, AR 72018
Ph (501) 408-4650

3825 Mt Carmel Road
Bryant, AR 72022
Fx (888) 900-3068



- 1 PRELIMINARY PLAT OVERALL
- 2 PRELIMINARY PLAT WEST HALF
- 3 PRELIMINARY PLAT EAST HALF
- 4 DRAINAGE PLAN
- 5-7 ROAD PROFILES
- 8 OVERALL SEWER & WATER PLANS
- 9-10 SEWER PLAN PROFILES
- 11 LIFT STATION PLAN & PROFILE
- 12 LIFT STATION DETAILS
13. EROSION CONTROL PLAN

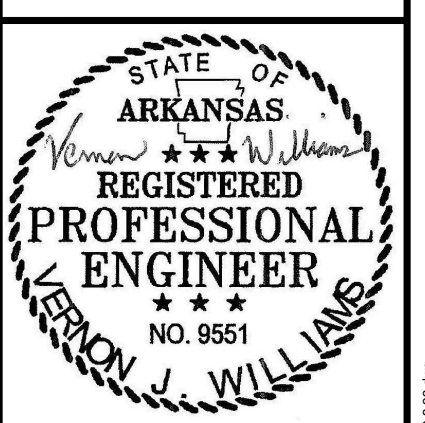
PRELIMINARY PLAT
DIAMOND ESTATES TO CITY
OF BRYANT, SALINE COUNTY,
ARKANSAS



BY _____
REVISION _____
DATE _____

GNE Designing our client's success
GarNat Engineering, LLC
Ph (501) 408-4650
P.O. Box 116 (72018) Fx (888) 900-3068
3925 Mt. Carmel Road
Bryant, AR 72022
garnatengineering@gmail.com

DIAMOND ESTATES
PART OF THE SOUTHWEST QUARTER
SECTION 12, T-1-S, R-14-W,
SALINE COUNTY, ARKANSAS



2-8-2023

CONTENTS:
PRELIMINARY PLAT OVERALL

PROJECT NO: 21206
DATE: FEB 2023
SHEET NO: 1

PLAT CERTIFICATES:

OWNER: Name: Diamond Development II, Address: 1599 Lawson Oaks, Little Rock, AR 72210
DEVELOPER: Name: Diamond Development II, Address: 1599 Lawson Oaks, Little Rock, AR 72210
CERTIFICATE OF RECORDING: _____
CERTIFICATE OF OWNER: We, the undersigned, owners of the real estate shown and described herein do hereby certify that we have laid off, platted and subdivided, and do hereby lay off, plat and subdivide said real estate in accordance with the within plat.
Date: _____ Signed: _____ DIAMOND DEVELOPMENT II
Source of Title: SALINE COUNTY, ARKANSAS
Saline County Document# 2004-112595 & 2022-027151
CERTIFICATE OF PRELIMINARY ENGINEERING ACCURACY: I, Vernon J. Williams, hereby certify that this plat correctly represents a survey and a plan made by me or under my supervision; that all monuments shown hereon actually exist and their locations, size, type, and material are correctly shown; and that all requirements of the City of Bryant Subdivision Rules and Regulations have been fully complied with.
Date: _____ Signed: _____ Vernon J. Williams, Registered Professional Engineer, No. 9551, Arkansas

PROPERTY SPECIFICATIONS:
ZONING CLASSIFICATION: R-1
MIN. LOT SIZE: 7699 S.F.
MAX. LOT SIZE: 16191 S.F.
NUMBER OF LOTS: 51
SOURCE OF WATER: SALEM WATER USERS ASSOCIATION PWA
SOURCE OF SEWER: CITY OF BRYANT
BUILDING SETBACKS:
FRONT - 20' OR AS SHOWN
REAR - 20' OR AS SHOWN
SIDE - 8' OR AS SHOWN
EASEMENTS: UTILITY & DRAINAGE (D.E. & U.E.)
FRONT - 10' OR AS SHOWN
BACK - 10' OR AS SHOWN
SIDE - 5' OR AS SHOWN
STREET RIGHT OF WAYS: 50' OR AS SHOWN
STREET WIDTH: 28' 50C TO BCC
LOT CORNERS: SET #4 REBAR WITH CAP

SURVEY LEGEND
▲ - Computed point
● - Found monument
○ - Set #4 RB/Plas, Cap
(M) - Measured
(R) - Record
(P) - Platted

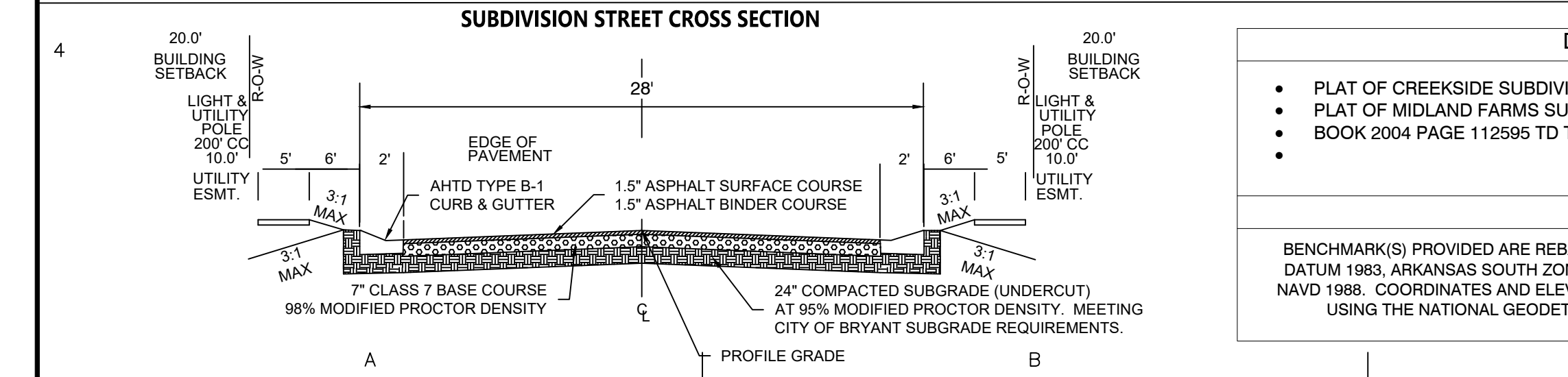
SURVEY PLAT CODE:
500-01S-14W-0-12-300-62-1573

ROAD CURVE TABLE

Curve #	Radius	ARC	CHORD	CHORD BEARING
C1	150.48	237.13	S21° 28' 13.90"W	S21° 28' 14"W
C2	75.00	84.19	S34° 27' 22.26"W	S34° 27' 22"W

LINE TABLE

Line #	Length	Direction
L1	83.57	N28° 45' 19"E
L2	70.00	N2° 17' 50"E
L3	105.07	N28° 36' 30"W
L4	91.72	N2° 23' 44"E
L5	99.23	N41° 57' 13"E
L6	101.46	N64° 16' 35"E
L7	50.00	S66° 21' 31"W
L8	51.05	N61° 33' 49"E
L10	25.00	N87° 41' 21"W



- DOCUMENTS USED:**
- PLAT OF CREEKSIDE SUBDIVISION
 - PLAT OF MIDLAND FARMS SUBDIVISION
 - BOOK 2004 PAGE 112595 TD THORP TO DIAMOND DEVELOPMENT II
- BASIS OF BEARINGS:**
BENCHMARK(S) PROVIDED ARE REBAR AND COORDINATES ON BENCHMARKS ARE NORTH AMERICAN DATUM 1983, ARKANSAS SOUTH ZONE, US SURVEY FEET. GRID COORDINATES AND ELEVATIONS ARE NAVD 1988. COORDINATES AND ELEVATIONS WERE ESTABLISHED USING GPS AND WERE PROCESSED USING THE NATIONAL GEODETIC SURVEYS' "ONLINE POSITIONING USER SERVICE" (OPUS).



PROPERTY SPECIFICATIONS:

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 MAX. LOT SIZE: 16191 S.F.
 NUMBER OF LOTS: 51
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 SOURCE OF SEWER: CITY OF BRYANT

BUILDING SETBACKS:
 FRONT - 20' OR AS SHOWN
 REAR - 20' OR AS SHOWN
 SIDE - 8' OR AS SHOWN

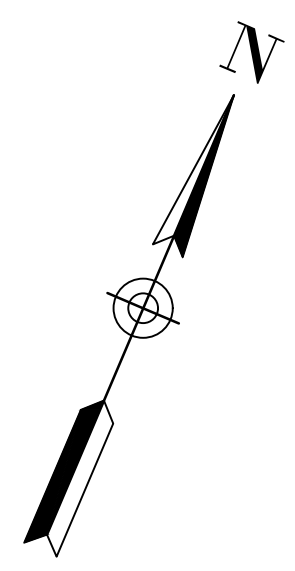
EASEMENTS: UTILITY & DRAINAGE (D.E. & U.E.)
 FRONT - 10' OR AS SHOWN
 BACK - 10' OR AS SHOWN
 SIDE - 5' OR AS SHOWN
 STREET RIGHT OF WAYS: 50' OR AS SHOWN
 STREET WIDTH: 28' BOC TO BOC
 LOT CORNERS: SET #4 REBAR WITH CAP

SURVEY LEGEND

- ▲ - Computed point
- - Found monument
- ⊙ - Set #4 RB/Plas. Cap
- (M) - Measured
- (R) - Record
- (P) - Platted

100' 50' 0' 50'

SURVEY PLAT CODE:
500-01S-14W-0-12-300-62-1573



LINE TABLE

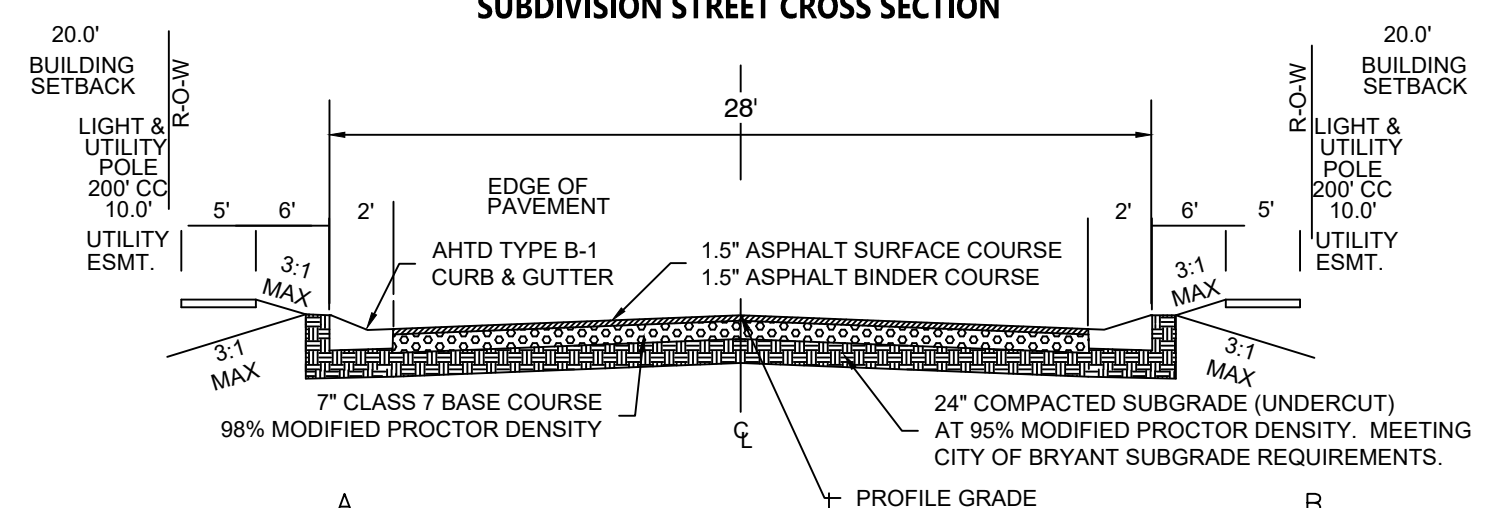
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L10	25.00	N87° 41' 21"W

ROAD CURVE TABLE

Curve #	Radius	ARC	CHORD	CHORD BEARING
C1	150.48	237.13	S21° 28' 13.90"W	S21° 28' 14"W
C2	75.00	84.19	S34° 27' 22.26"W	S34° 27' 22"W

Curve Table

Curve #	Length	Radius	Chord Direction	Chord Length
C3	39.27	25.00	N68° 23' 11"W	35.36
C4	39.27	25.00	S21° 36' 49"W	35.36
C5	47.69	100.00	S52° 57' 01"W	47.24
C6	53.76	100.00	S23° 53' 13"W	53.11
C7	10.80	100.00	S5° 23' 32"W	10.80
C8	5.35	25.00	S8° 25' 44"W	5.34
C9	6.90	25.00	S22° 27' 54"W	6.88
C10	55.06	60.00	S4° 04' 55"W	366.87
C11	50.97	60.00	S46° 32' 33"E	49.45
C12	51.00	60.00	N84° 46' 11"E	49.48
C13	50.98	60.00	N36° 04' 45"E	49.46
C14	58.78	60.00	N16° 19' 32"W	56.46
C15	27.44	60.00	N57° 29' 40"W	364.02
C16	31.81	25.00	N34° 09' 02"W	29.70
C17	6.81	50.00	N6° 11' 51"E	6.80
C18	49.32	50.00	N38° 21' 21"E	47.34
C19	7.13	175.63	S65° 25' 52"W	340.57
C20	84.27	125.70	S47° 22' 03"W	82.70
C21	108.07	125.70	S3° 31' 58"W	104.77
C22	258.53	175.63	S22° 05' 57"W	414.18



DOCUMENTS USED:

- PLAT OF CREEKSIDE SUBDIVISION
- PLAT OF MIDLAND FARMS SUBDIVISION
- BOOK 2004 PAGE 112595 TD THORP TO DIAMOND DEVELOPMENT II

BASIS OF BEARINGS:

BENCHMARK(S) PROVIDED ARE REBAR AND COORDINATES ON BENCHMARKS ARE NORTH AMERICAN DATUM 1983, ARKANSAS SOUTH ZONE, US SURVEY FEET. GRID COORDINATES AND ELEVATIONS ARE NAVD 1988. COORDINATES AND ELEVATIONS WERE ESTABLISHED USING GPS AND WERE PROCESSED USING THE NATIONAL GEODETIC SURVEYS' "ONLINE POSITIONING USER SERVICE" (OPUS).

BY: _____

REVISION: _____

DATE: _____

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GarNat Engineering, LLC
 P.O. Box 116 (72018) Ph (501) 408-4650
 3925 Mt. Carmel Road Fx (888) 900-3068
 Bryant, AR 72022 gnatengineering@gmail.com

DIAMOND ESTATES

PART OF THE SOUTHWEST QUARTER
 SECTION 12, T-1-S, R-14-W,
 SALINE COUNTY, ARKANSAS



2-8-2023

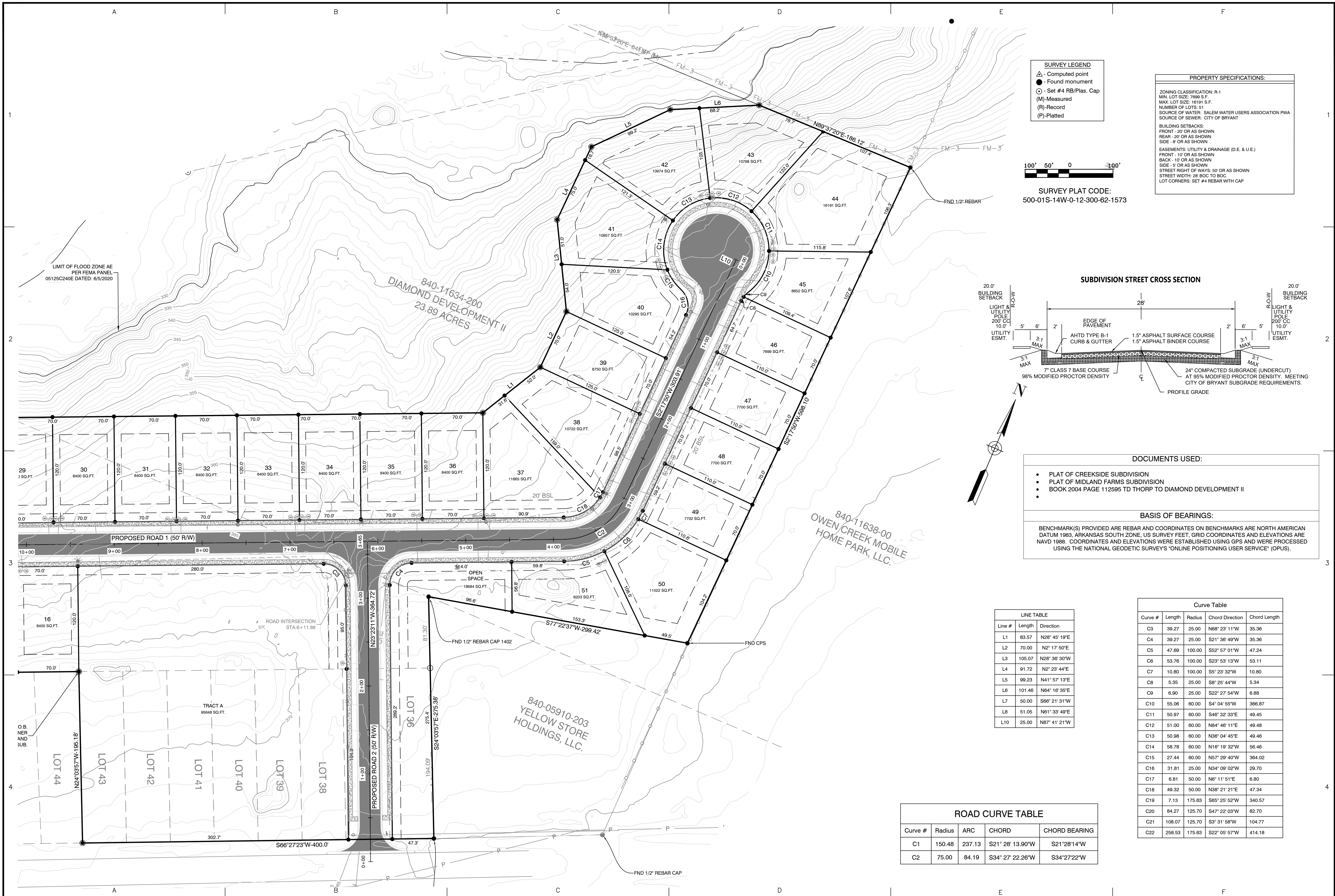
CONTENTS:

PRELIMINARY PLAT SOUTH HALF DIMENSIONS

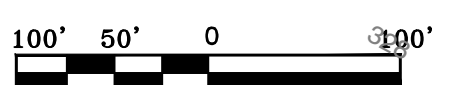
PROJECT NO: 21206

DATE: FEB 2023

SHEET NO: 2



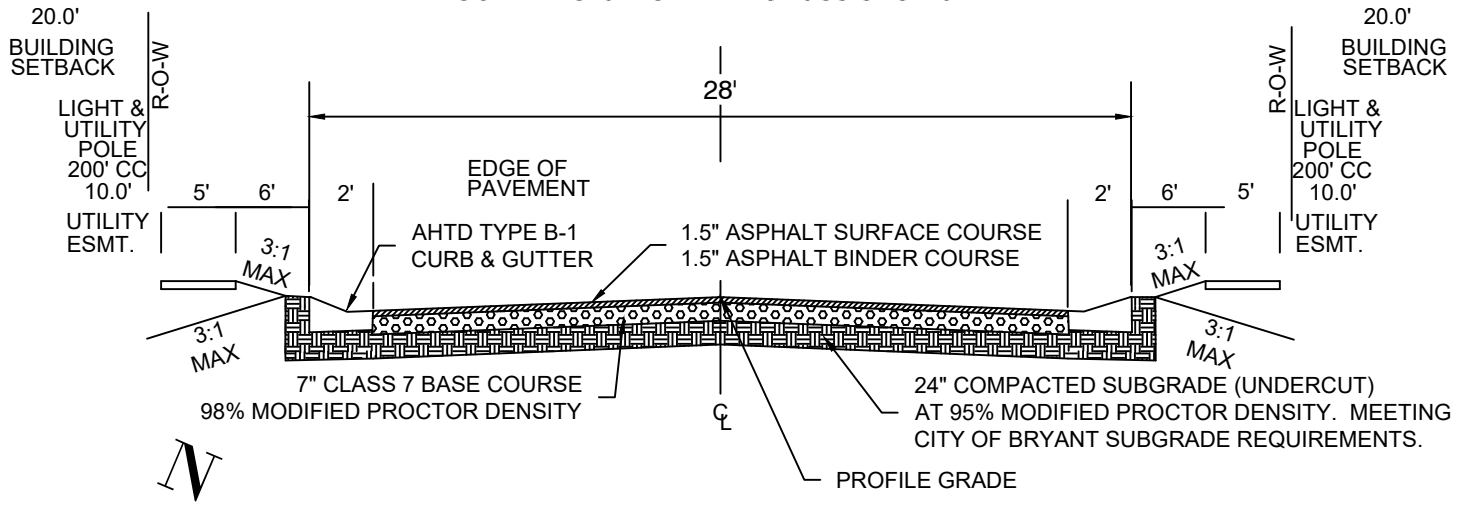
SURVEY LEGEND
 Δ - Computed point
 ● - Found monument
 ○ - Set #4 RB/Plas. Cap
 (M) - Measured
 (R) - Record
 (P) - Platted



SURVEY PLAT CODE:
 500-01S-14W-0-12-300-62-1573

PROPERTY SPECIFICATIONS:
 ZONING CLASSIFICATION: R-1
 MIN. LOT SIZE: 7699 S.F.
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 REAR - 20' OR AS SHOWN
 SIDE - 8' OR AS SHOWN
 EASEMENTS: UTILITY & DRAINAGE (D.E. & U.E.)
 FRONT - 10' OR AS SHOWN
 BACK - 10' OR AS SHOWN
 SIDE - 5' OR AS SHOWN
 STREET RIGHT OF WAYS: 50' OR AS SHOWN
 STREET WIDTH: 38' SOC TO SOC TO SOC
 LOT CORNERS: SET #4 REBAR WITH CAP

SUBDIVISION STREET CROSS SECTION



DOCUMENTS USED:

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- PLAT OF MIDLAND FARMS SUBDIVISION
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LINE TABLE

Line #	Length	Direction
L1	83.57	N28° 45' 19"E
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L3	105.07	N28° 36' 30"W
L4	91.72	N2° 23' 44"E
L5	99.23	N41° 57' 19"E
L6	101.46	N64° 16' 35"E
L7	50.00	S66° 21' 31"W
L8	51.05	N61° 33' 49"E
L10	25.00	N87° 41' 21"W

Curve Table

Curve #	Length	Radius	Chord Direction	Chord Length
C3	39.27	25.00	N68° 23' 11"W	35.36
C4	39.27	25.00	S21° 36' 49"W	35.36
C5	47.69	100.00	S52° 57' 01"W	47.24
C6	53.76	100.00	S23° 53' 13"W	53.11
C7	10.80	100.00	S5° 23' 32"W	10.80
C8	5.35	25.00	S8° 25' 44"W	5.34
C9	6.90	25.00	S22° 27' 54"W	6.88
C10	55.06	60.00	S4° 04' 55"W	366.87
C11	50.97	60.00	S46° 32' 33"E	49.45
C12	51.00	60.00	N84° 46' 11"E	49.48
C13	50.98	60.00	N36° 04' 45"E	49.46
C14	58.78	60.00	N16° 19' 32"W	56.46
C15	27.44	60.00	N57° 29' 40"W	364.02
C16	31.81	25.00	N34° 09' 02"W	29.70
C17	6.81	50.00	N6° 11' 51"E	6.80
C18	49.32	50.00	N38° 21' 21"E	47.34
C19	7.13	175.63	S65° 25' 52"W	340.57
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ROAD CURVE TABLE

Curve #	Radius	ARC	CHORD	CHORD BEARING
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C2	75.00	84.19	S34° 27' 22.26"W	S34° 27' 22"W

BY: _____
 REVISION: _____
 DATE: _____

GNE Designing our client's success
GarNat Engineering, LLC
 Ph (501) 408-4650
 P.O. Box 116 (72018) Fx (888) 900-3068
 3925 Mt. Carmel Road
 Bryant, AR 72022
 gnatengineering@gmail.com

DIAMOND ESTATES
 PART OF THE SOUTHWEST QUARTER
 SECTION 12, T-1-S, R-14-W,
 SALINE COUNTY, ARKANSAS



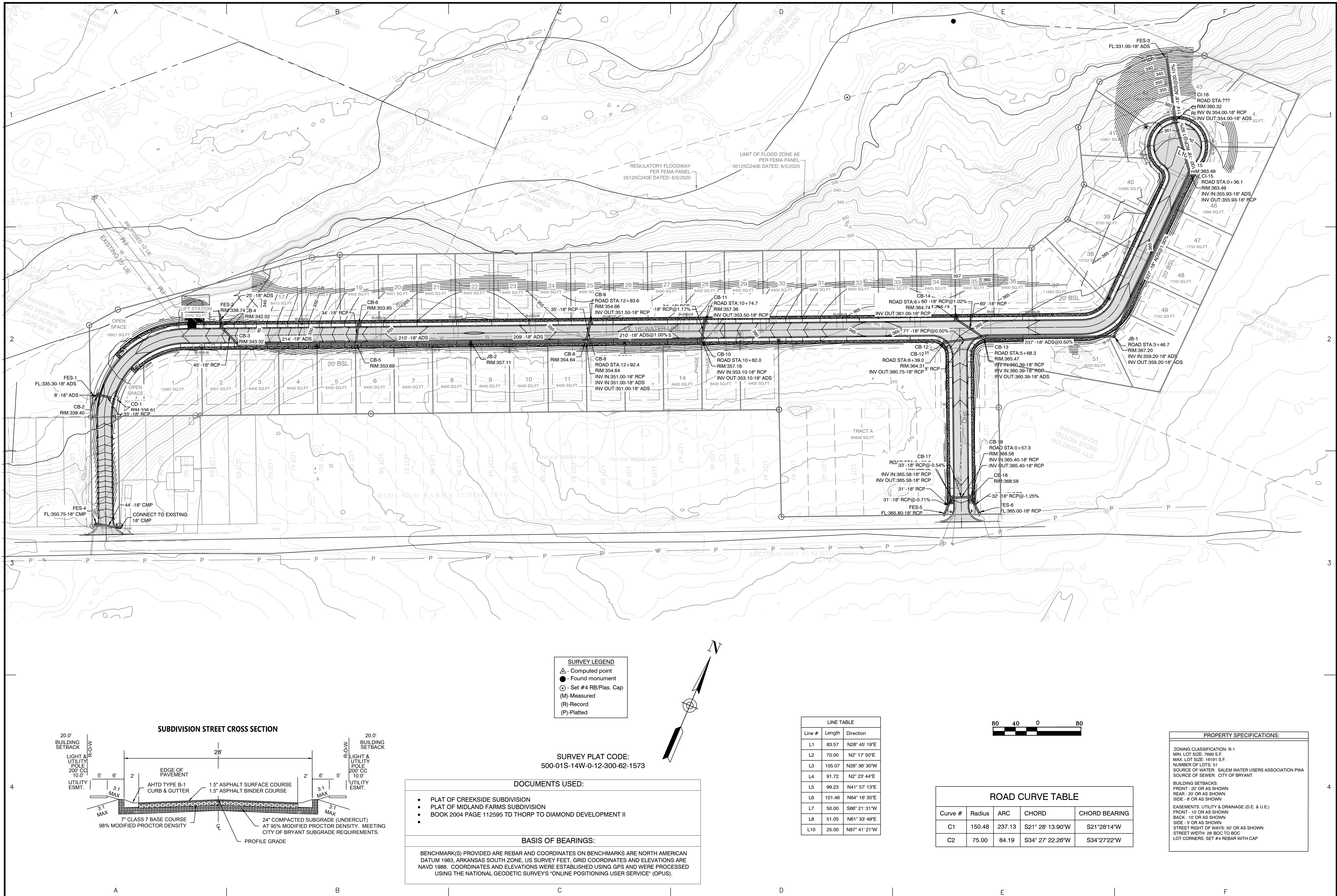
2-8-2023

CONTENTS:
PRELIMINARY PLAT NORTH HALF DIMENSIONS

PROJECT NO:
21206

DATE:
FEB 2023

SHEET NO:
2



BY

REVISION

DATE

GNE Designing our client's success

GarNat Engineering, LLC
 P.O. Box 116 (72018) Ph (501) 408-4650
 3925 Mt. Carmel Road Fx (888) 900-3068
 Bryant, AR 72222 gnatengineering@gmail.com

DIAMOND ESTATES

PART OF THE SOUTHWEST QUARTER
 SECTION 12, T-1-S, R-14-W,
 SALINE COUNTY, ARKANSAS



2-8-2023

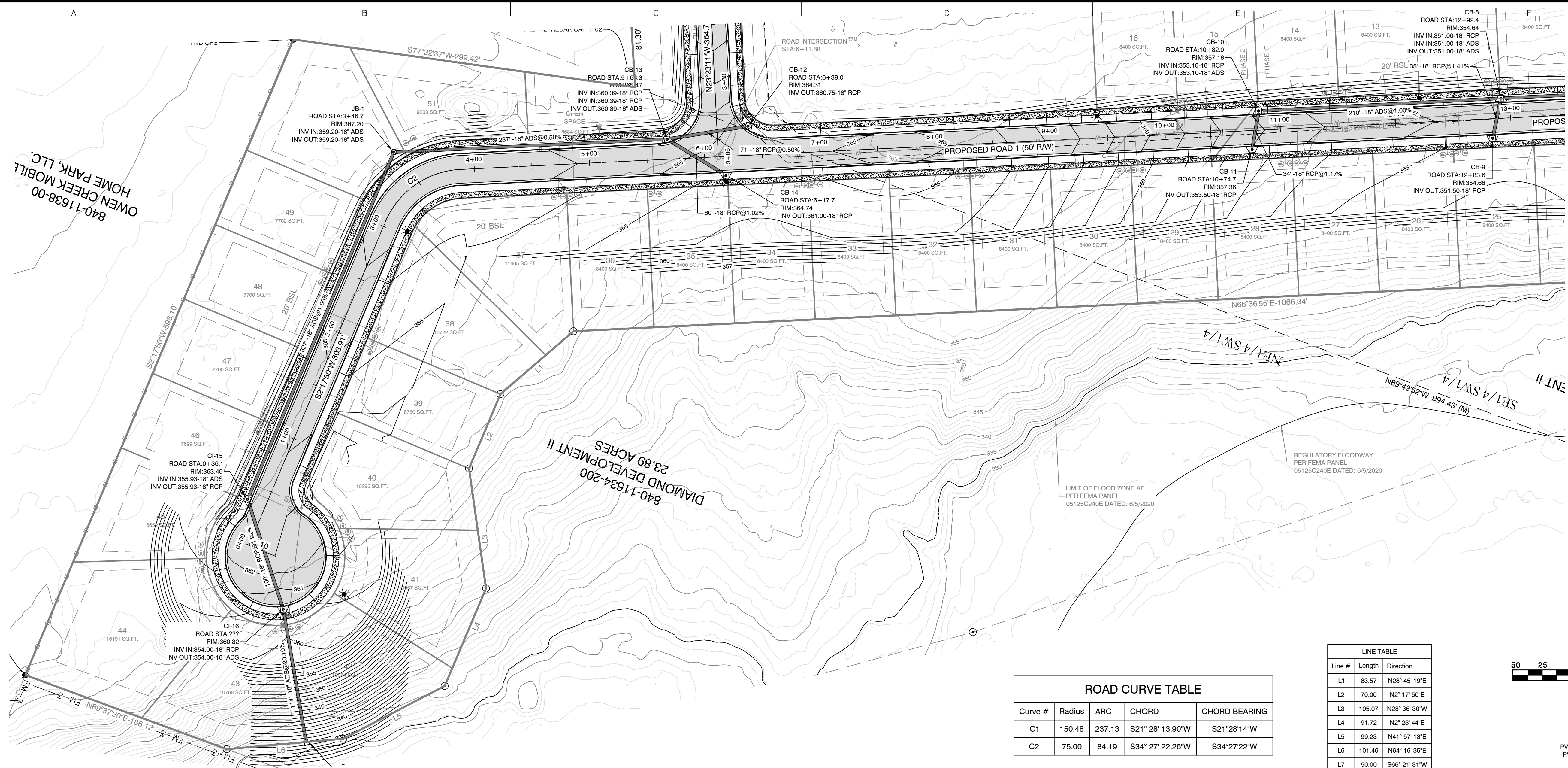
CONTENTS:

OVERALL DRAINAGE PLAN

PROJECT NO:
21206

DATE:
FEB 2023

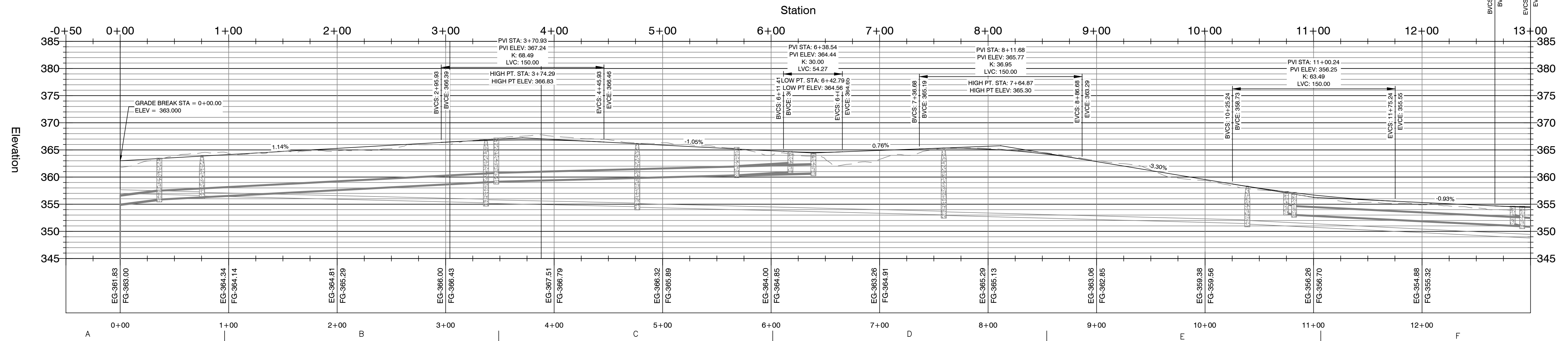
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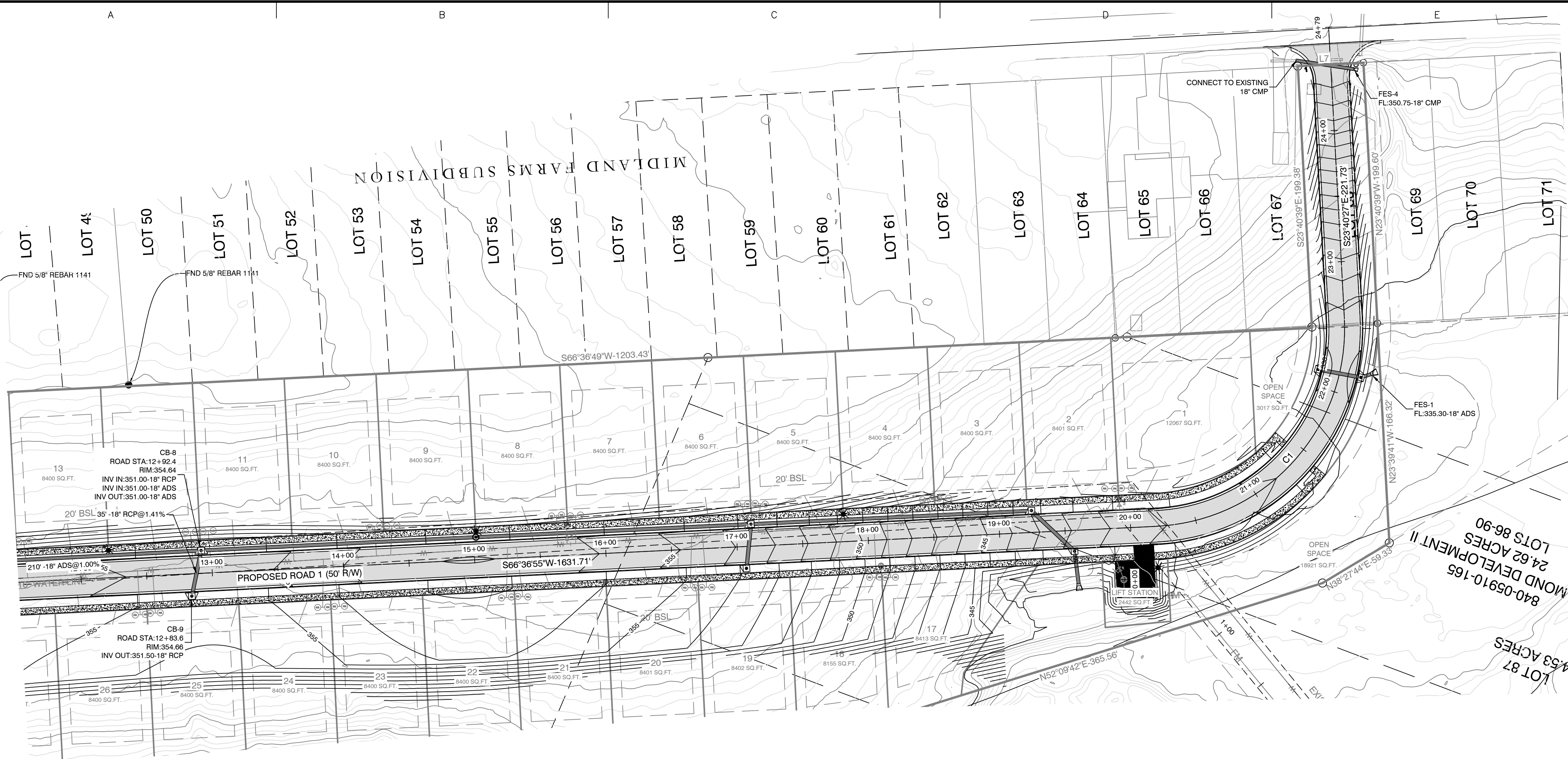
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L8	51.05	N61° 33' 49"E
L10	25.00	N87° 41' 21"W

PROPOSED ROAD 1 PROFILE

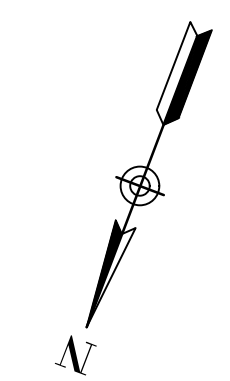
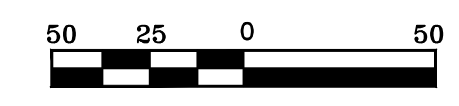


BY	
REVISION	
DATE	
<p>GNE Designing our client's success GarNat Engineering, LLC P.O. Box 116 (72018) Ph (501) 408-4650 3925 Mt. Carmel Road Fx (888) 900-3068 Bryant, AR 72022 gnatengineering@gmail.com</p>	
<p>DIAMOND ESTATES FOR USE & BENEFIT OF SAULRON GIBBERTS JR. JAMES CARTER</p>	
<p>STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 9551 VERNON J. WILLIAMS</p>	
<p>2-8-2023</p>	
<p>CONTENTS: ROAD 1 PLAN & PROFILE 0+00-13+00</p>	
<p>PROJECT NO: 21206</p>	
<p>DATE: FEB 2023</p>	
<p>SHEET NO: 5</p>	

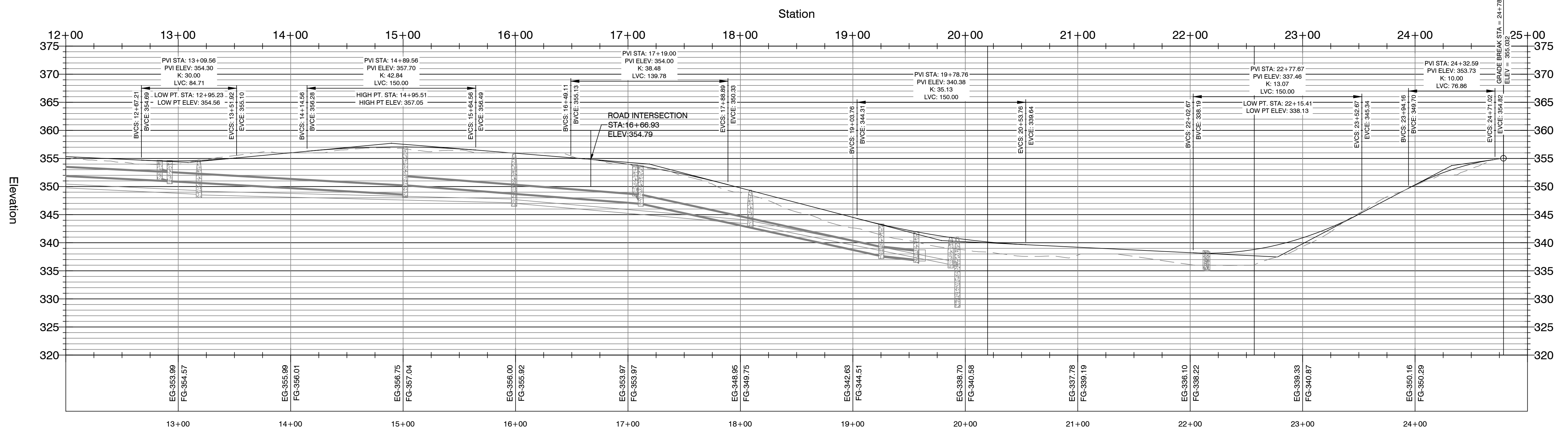


ROAD CURVE TABLE			
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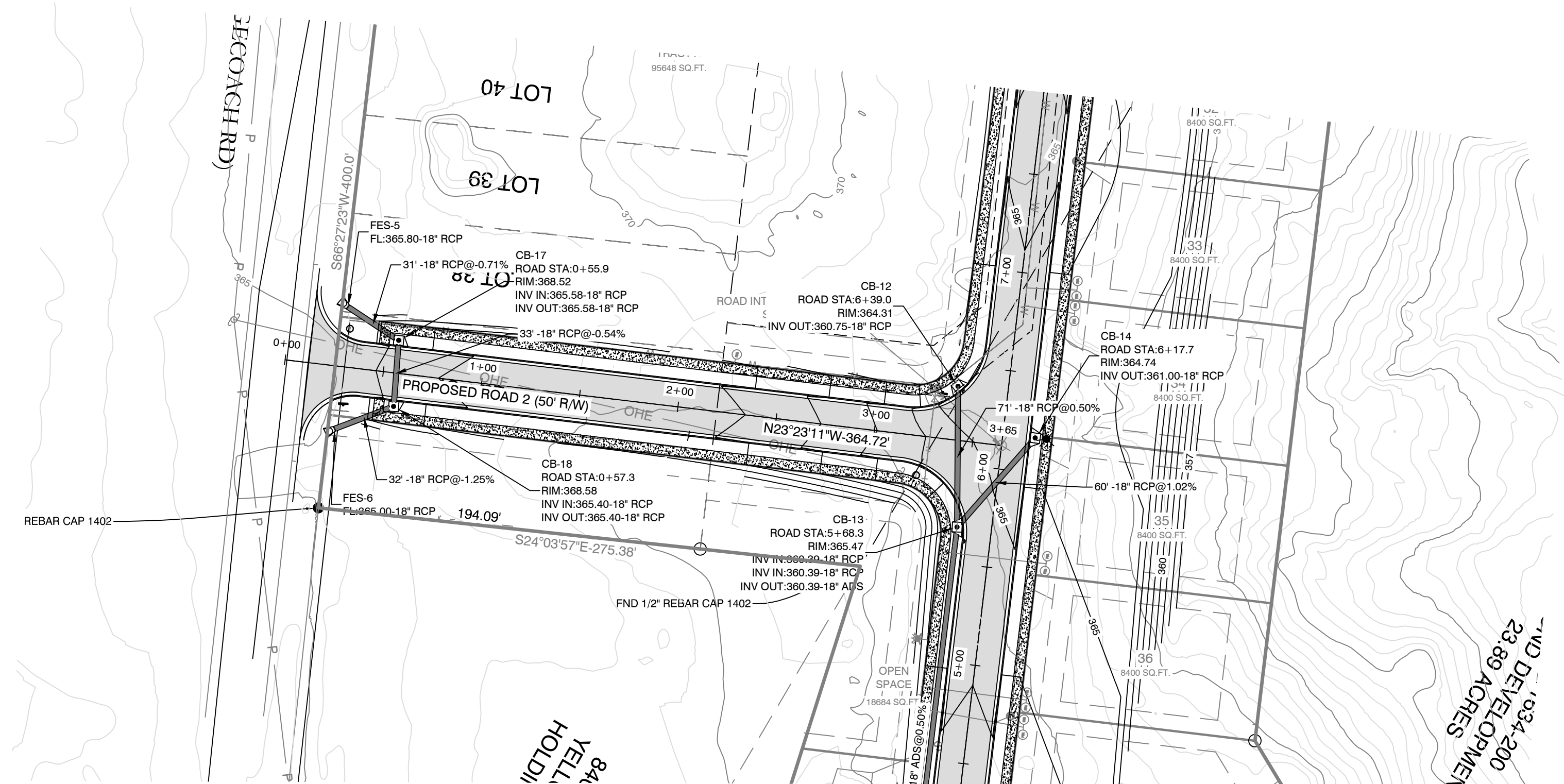
LINE TABLE		
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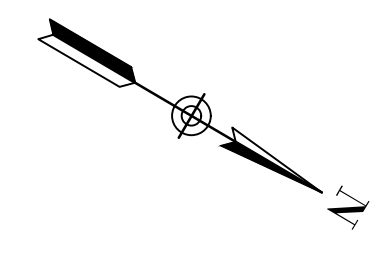
PROPOSED ROAD 1 PROFILE



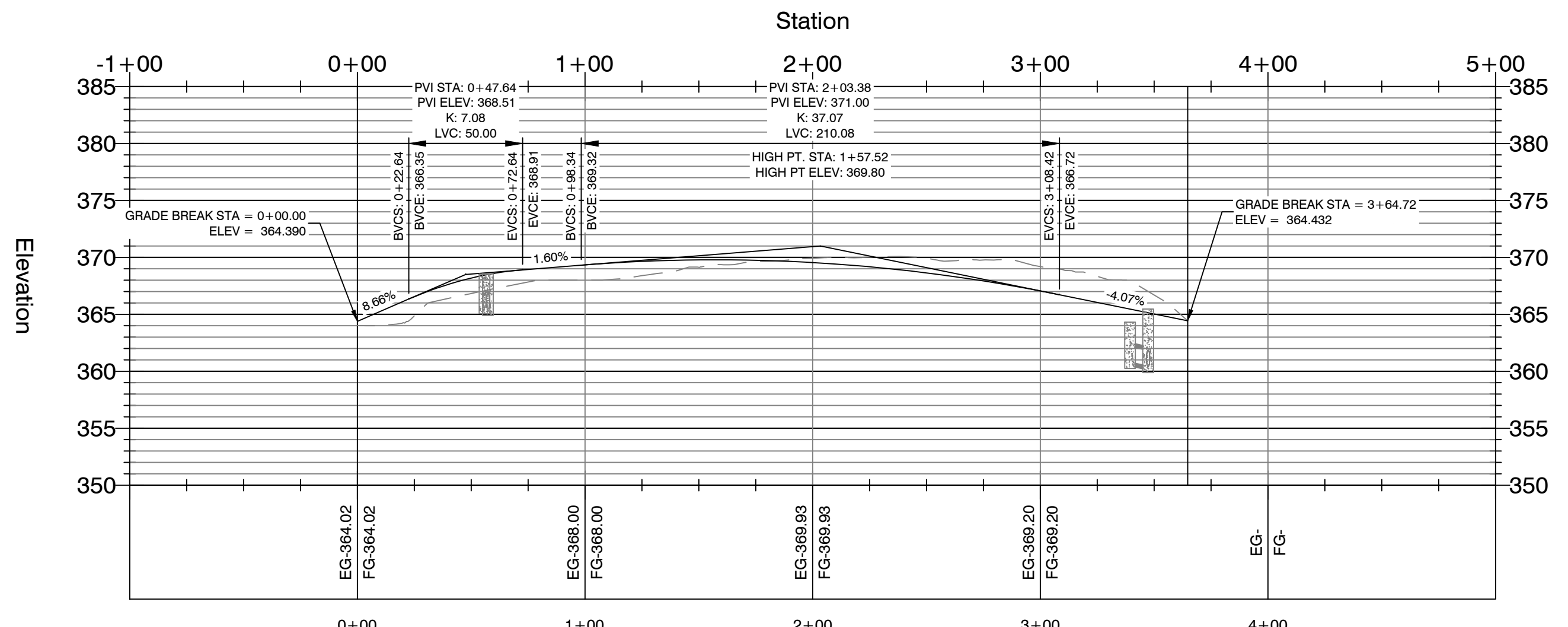
BY	
REVISION	
DATE	
<p>GNE Designing our client's success</p> <p>GarNat Engineering, LLC P.O. Box 116 (72018) Ph (501) 408-4650 392.5 Mt. Carmel Road Fx (888) 900-3068 Bryant, AR 72022 gnatengineering@gmail.com</p>	
<p>DIAMOND ESTATES</p> <p>FOR USE & BENEFIT OF SAULRON GIBBERTS JAMES CARTER</p>	
<p>STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER KERRON J. WILLIAMS NO. 9551</p>	
<p>2-8-2023</p>	
<p>CONTENTS: ROAD 1 PLAN & PROFILE 0+00-13+00</p>	
<p>PROJECT NO: 21206</p>	
<p>DATE: FEB 2023</p>	
<p>SHEET NO: 6</p>	



Line #	Length	Direction
L1	83.57	N28° 45' 19"E
L2	70.00	N2° 17' 50"E
L3	105.07	N28° 36' 30"W
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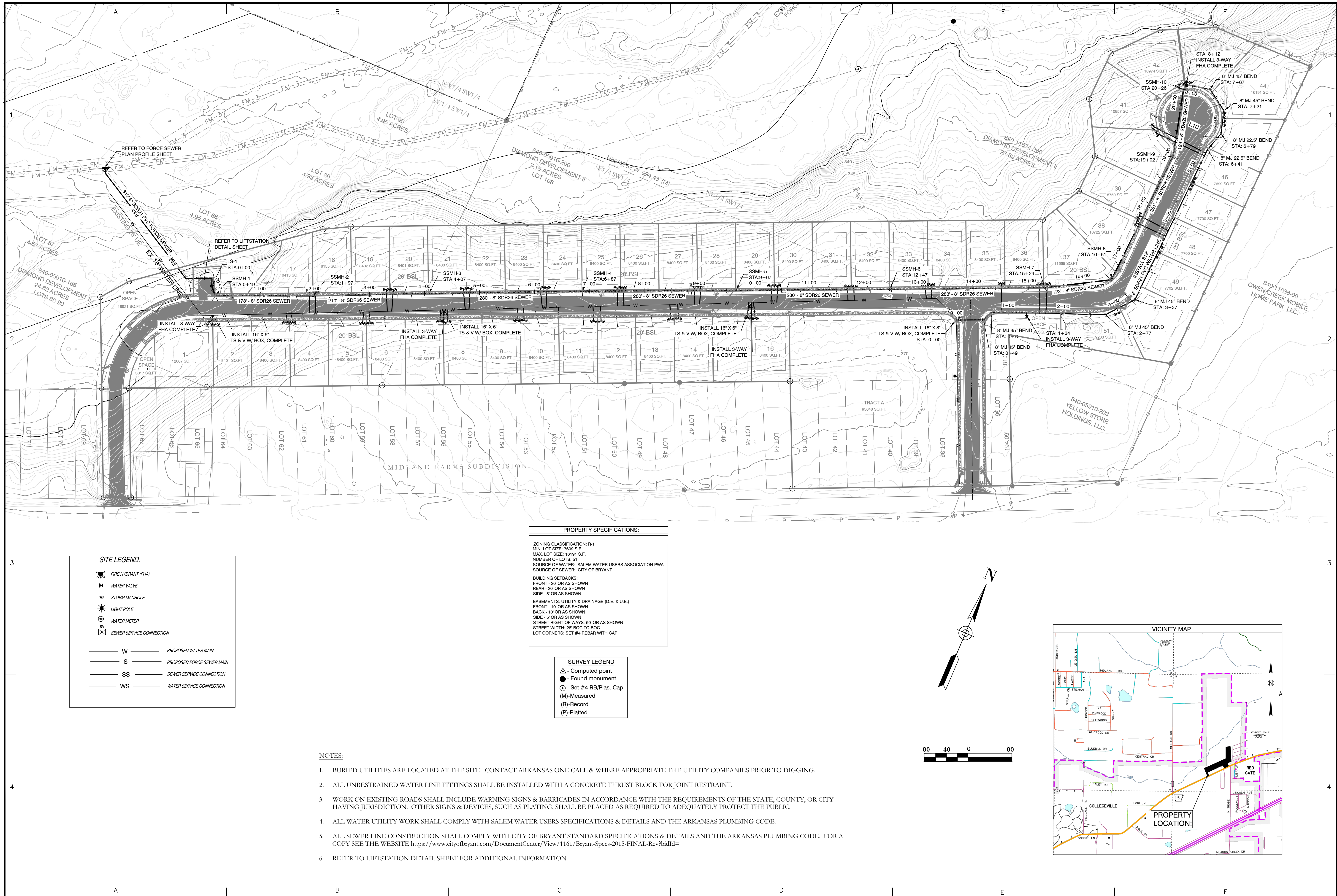
PROPOSED ROAD 2 PROFILE



Curve #	Radius	ARC	CHORD	CHORD BEARING
C1	150.48	237.13	S21° 28' 13.90"W	S21° 28' 14"W
C2	75.00	84.19	S34° 27' 22.26"W	S34° 27' 22"W

DATE		REVISION		BY	
GarNat Engineering, LLC P.O. Box 116 (72018) Ph (501) 408-4650 3825 Mt. Carmel Road Fx (888) 900-3068 Bryant, AR 72022 gnatengineering@gmail.com					
DIAMOND ESTATES FOR USE & BENEFIT OF SAULON GIBBERT JAMES CARTER					
2-8-2023					
CONTENTS:					
ROAD 2 PLAN & PROFILE					
PROJECT NO: 21206					
DATE: FEB 2023					
SHEET NO: 7					

J:\Projects\21206 Diamond Estates\Main\06 Plan & Profile.dwg



SITE LEGEND:

- FIRE HYDRANT (FHA)
- WATER VALVE
- STORM MANHOLE
- LIGHT POLE
- WATER METER
- SEWER SERVICE CONNECTION

W — PROPOSED WATER MAIN
 S — PROPOSED FORCE SEWER MAIN
 SS — SEWER SERVICE CONNECTION
 WS — WATER SERVICE CONNECTION

PROPERTY SPECIFICATIONS:

ZONING CLASSIFICATION: R-1
 MIN. LOT SIZE: 7699 S.F.
 MAX. LOT SIZE: 16191 S.F.
 NUMBER OF LOTS: 51
 SOURCE OF WATER: SALEM WATER USERS ASSOCIATION PWA
 SOURCE OF SEWER: CITY OF BRYANT

BUILDING SETBACKS:
 FRONT - 20' OR AS SHOWN
 REAR - 20' OR AS SHOWN
 SIDE - 8' OR AS SHOWN

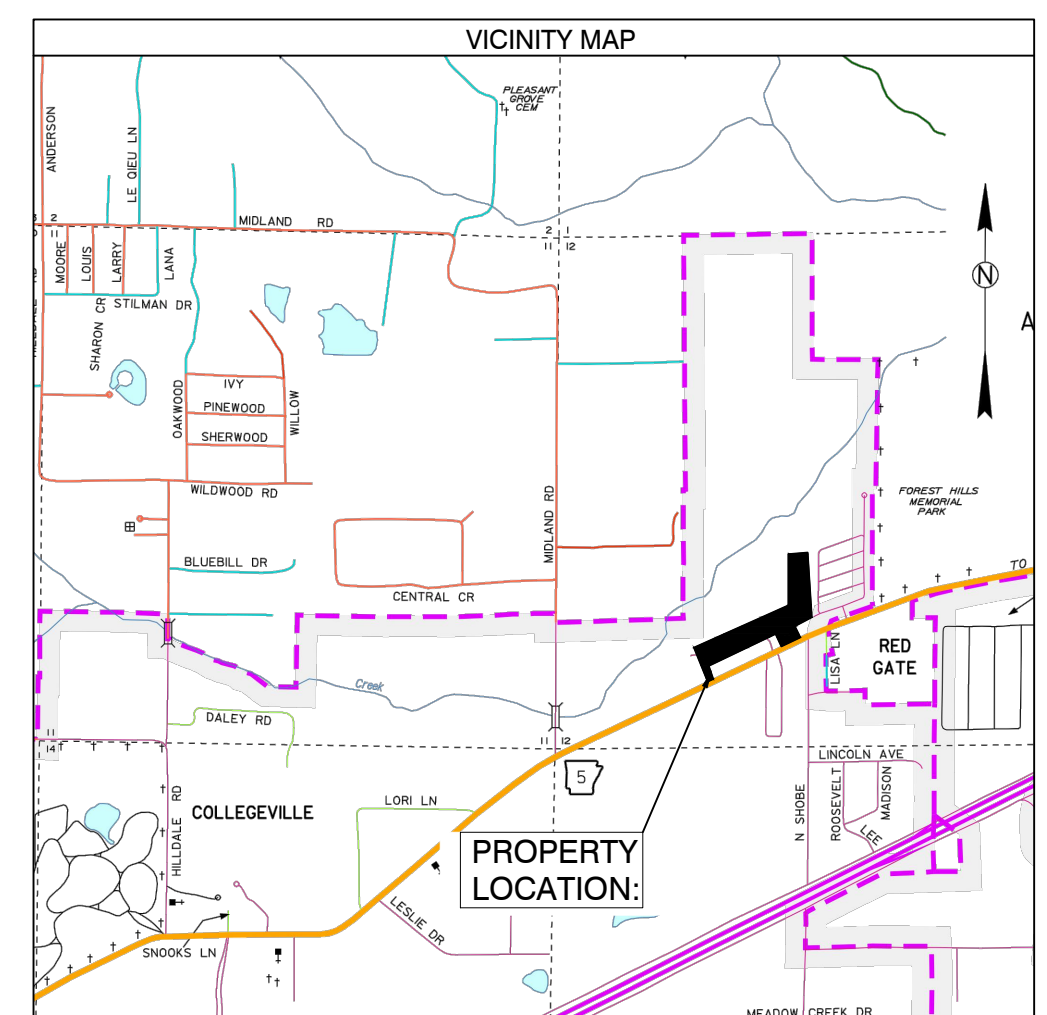
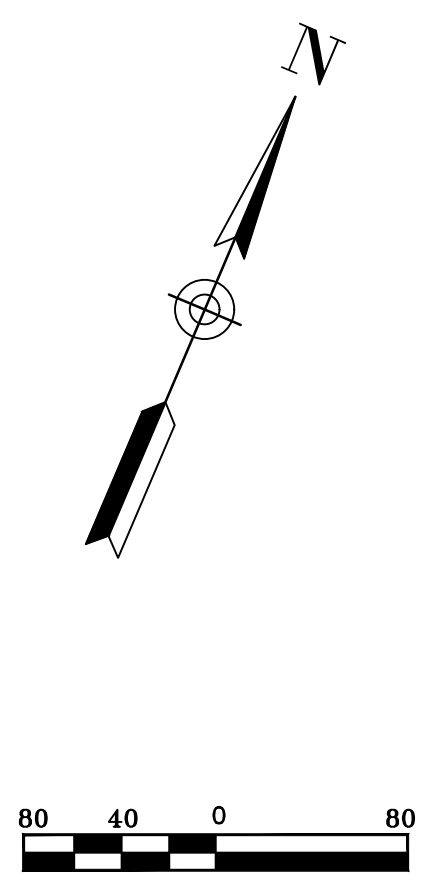
EASEMENTS: UTILITY & DRAINAGE (D.E. & U.E.)
 FRONT - 10' OR AS SHOWN
 BACK - 10' OR AS SHOWN
 SIDE - 5' OR AS SHOWN

STREET RIGHT OF WAYS: 50' OR AS SHOWN
 STREET WIDTH: 28' SOC TO BOC
 LOT CORNERS: SET #4 REBAR WITH CAP

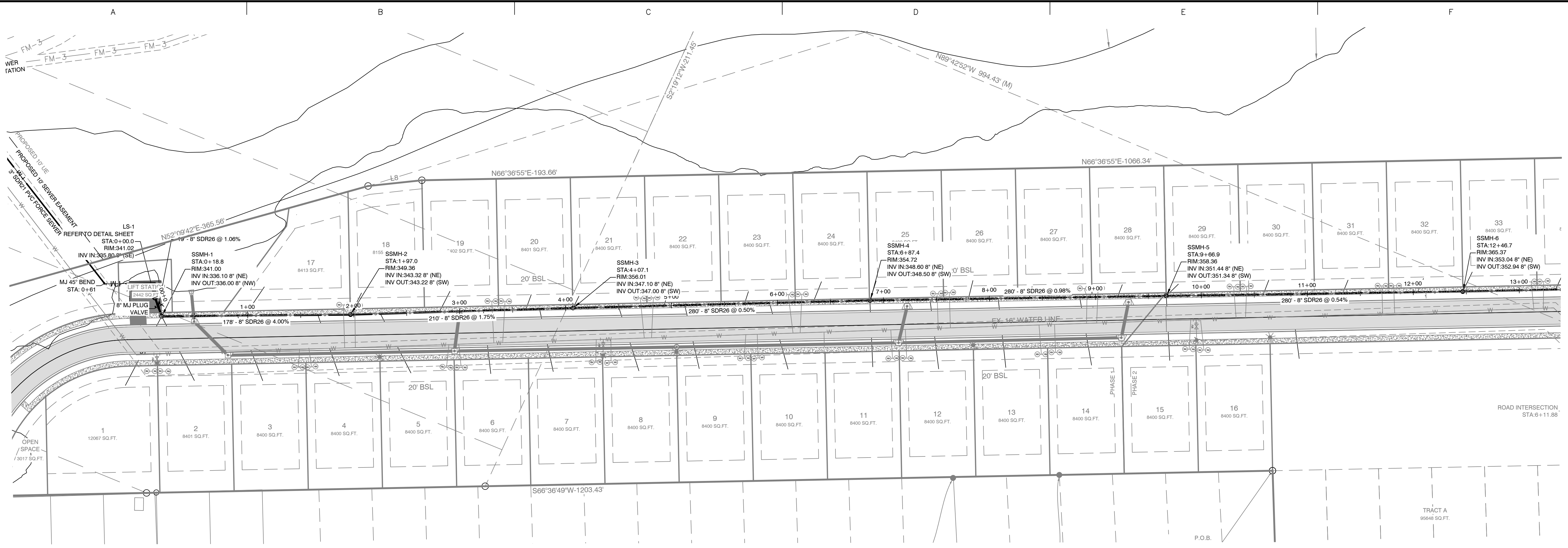
SURVEY LEGEND

- Computed point
- Found monument
- Set #4 RB/Plas. Cap
- (M) - Measured
- (R) - Record
- (P) - Platted

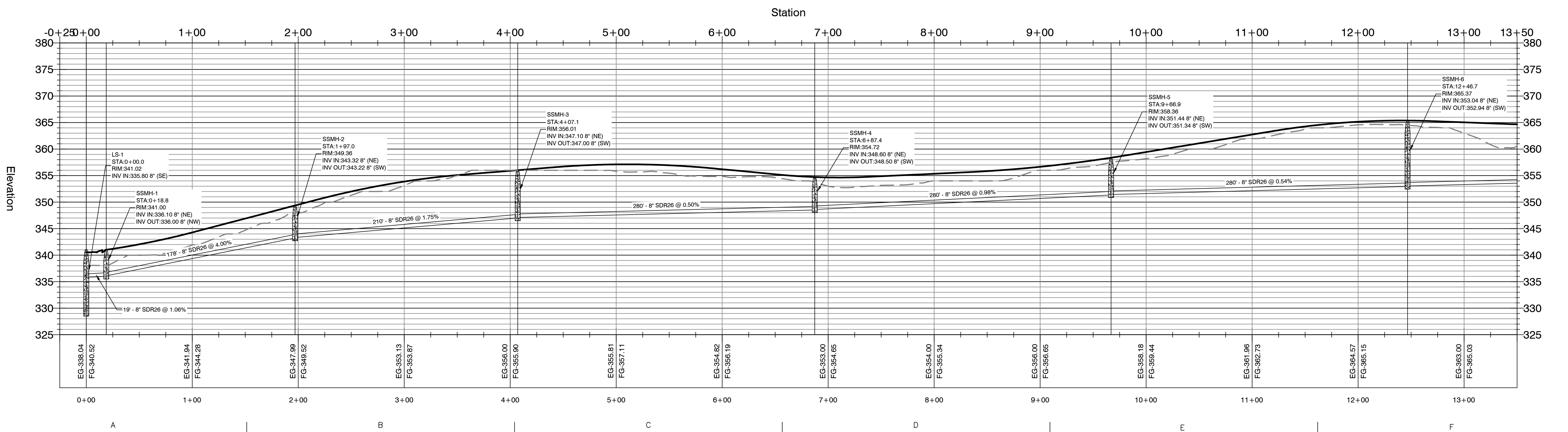
- NOTES:**
- BURIED UTILITIES ARE LOCATED AT THE SITE. CONTACT ARKANSAS ONE CALL & WHERE APPROPRIATE THE UTILITY COMPANIES PRIOR TO DIGGING.
 - ALL UNRESTRAINED WATER LINE FITTINGS SHALL BE INSTALLED WITH A CONCRETE THRUST BLOCK FOR JOINT RESTRAINT.
 - WORK ON EXISTING ROADS SHALL INCLUDE WARNING SIGNS & 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.
 - ALL WATER UTILITY WORK SHALL COMPLY WITH SALEM WATER USERS SPECIFICATIONS & DETAILS AND THE ARKANSAS PLUMBING CODE.
 - ALL SEWER LINE CONSTRUCTION SHALL COMPLY WITH CITY OF BRYANT STANDARD SPECIFICATIONS & DETAILS AND THE ARKANSAS PLUMBING CODE. FOR A COPY SEE THE WEBSITE: <https://www.cityofbryant.com/DocumentCenter/View/1161/Bryant-Specs-2015-FINAL-Rev?bidId=>
 - REFER TO LIFTSTATION DETAIL SHEET FOR ADDITIONAL INFORMATION



BY		REVISION		DATE	
<p>GNE Designing our client's success</p> <p>GarNat Engineering, LLC P.O. Box 116 (72018) Ph (501) 408-4650 3925 Mt. Carmel Road Fx (888) 900-3068 Bryant, AR 72022 gnatengineering@gmail.com</p>					
<p>DIAMOND ESTATES</p> <p>PART OF THE SOUTHWEST QUARTER SECTION 12, T-1-S, R-14-W, SALINE COUNTY, ARKANSAS</p>					
<p>2-8-2023</p> <p>CONTENTS:</p> <p style="text-align: center;">UTILITY PLAN OVERALL</p>					
<p>PROJECT NO: 21206</p> <p>DATE: FEB 2023</p> <p>SHEET NO: 8</p>					



SEWERMAIN-1 PROFILE



BY	
REVISION	
DATE	

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 3925 Mt. Carmel Road Fx (888) 900-3068
 Bryant, AR 72022 gnatengineering@gmail.com

DIAMOND ESTATES
 PART OF THE SOUTHWEST QUARTER
 SECTION 12, T-1-S, R-14-W,
 SALINE COUNTY, ARKANSAS



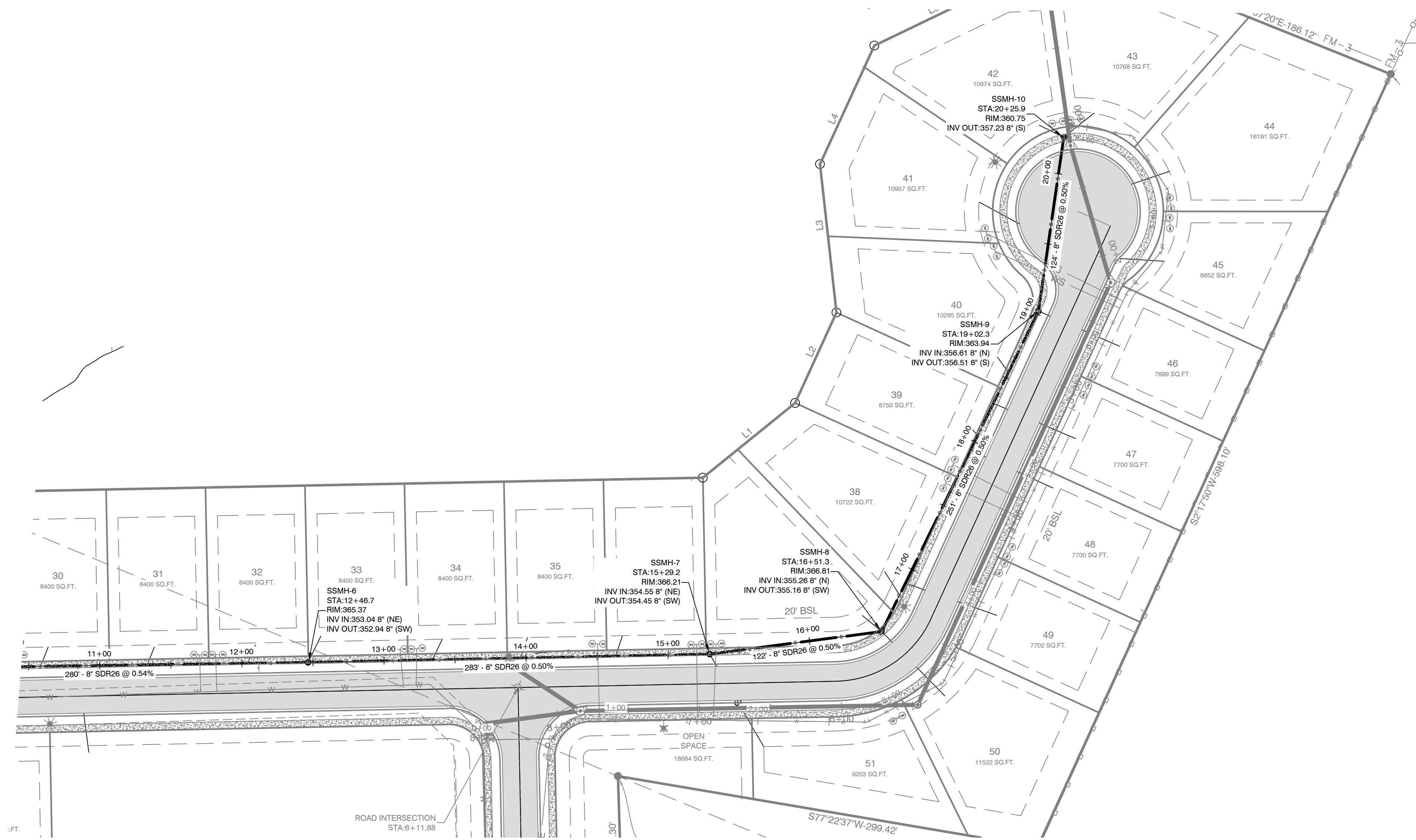
2-8-2023

CONTENTS:
**SEWER MAIN 1
 PLAN &
 PROFILE
 0+00-13+00**

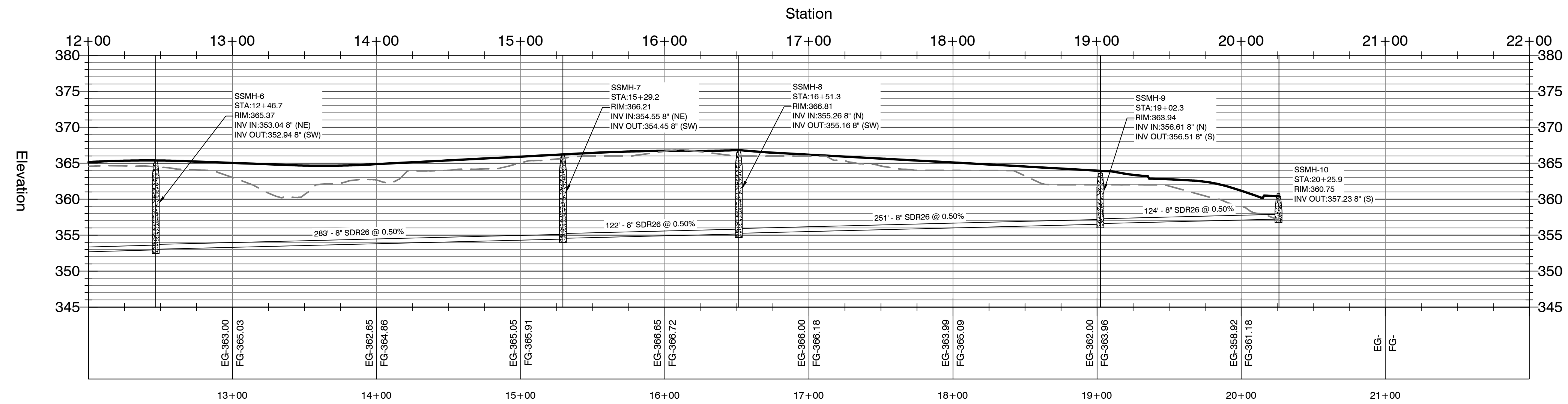
PROJECT NO:
21206

DATE:
FEB 2023

SHEET NO:
9



SEWERMAIN-1 PROFILE



BY	REVISION	DATE

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 Bryant, AR 72022 gnatengineering@gmail.com

DIAMOND ESTATES
 PART OF THE SOUTHWEST QUARTER
 SECTION 12, T-1-S, R-14-W,
 SALINE COUNTY, ARKANSAS



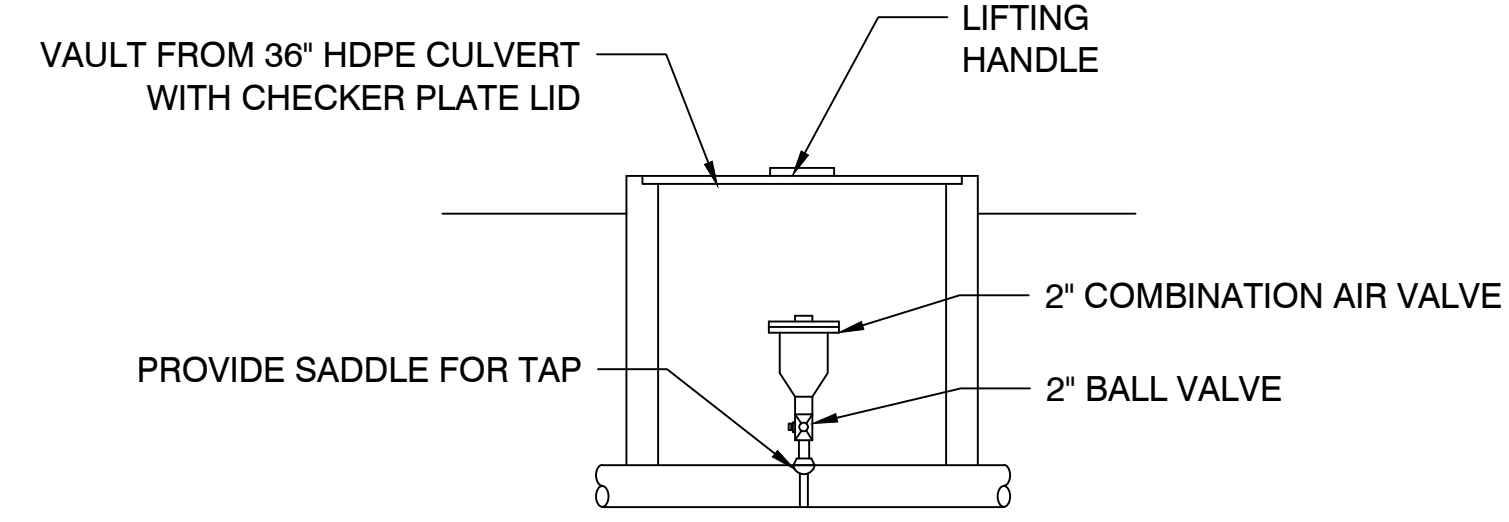
2-8-2023

CONTENTS:
**SEWER MAIN 1
 PLAN &
 PROFILE
 12+00-END**

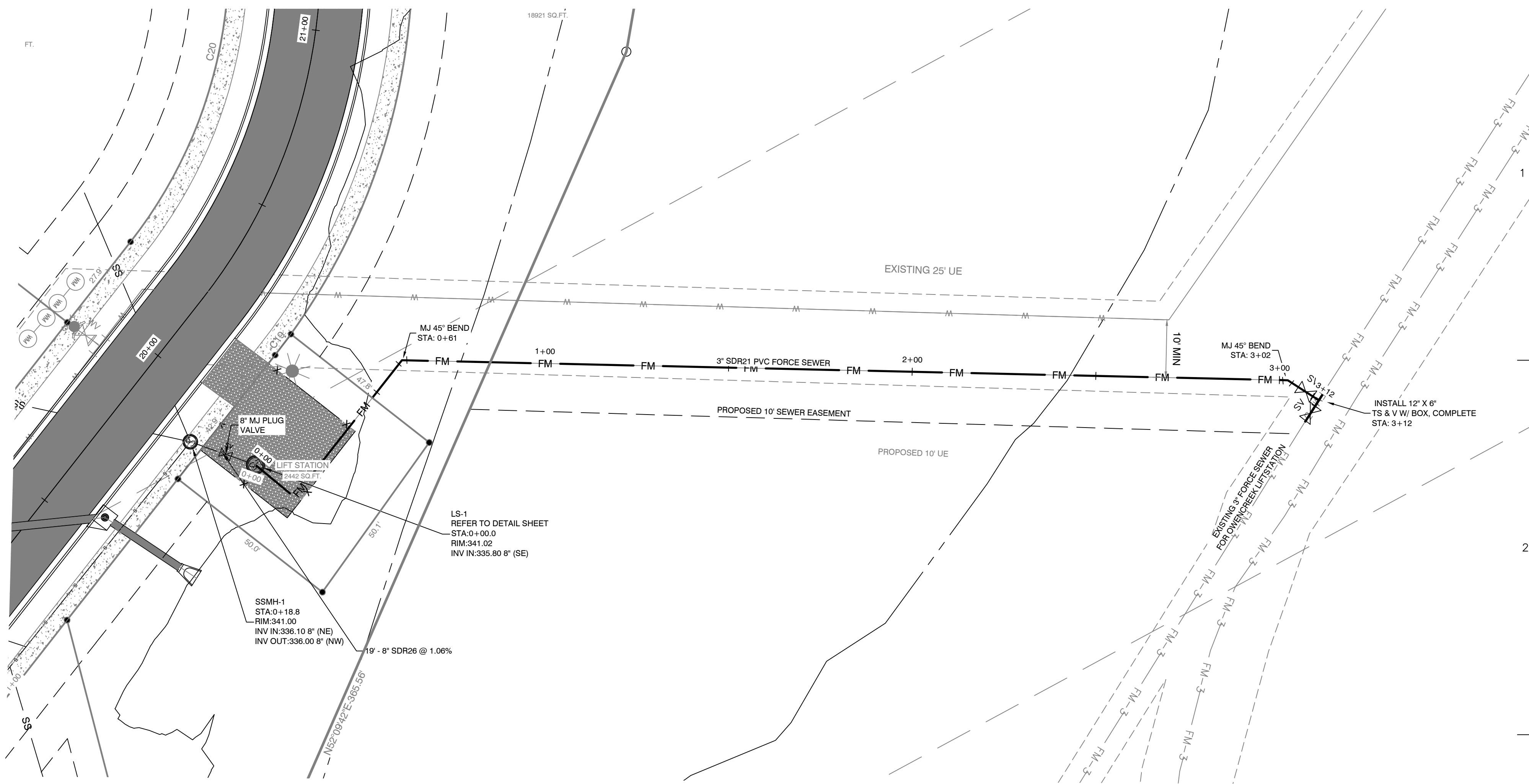
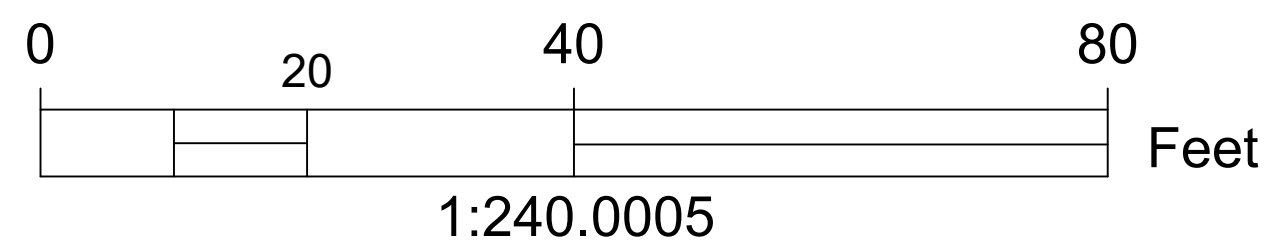
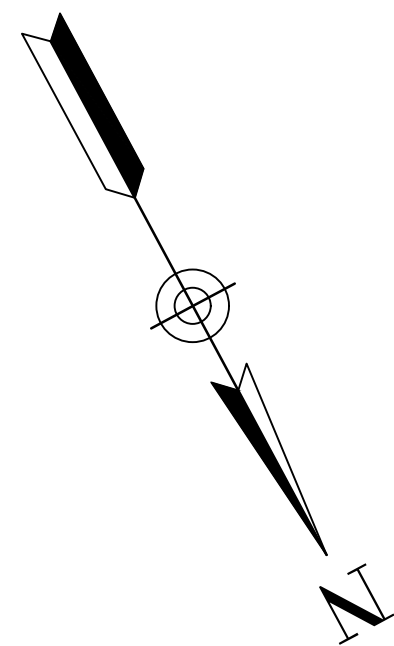
PROJECT NO:
21206

DATE:
FEB 2023

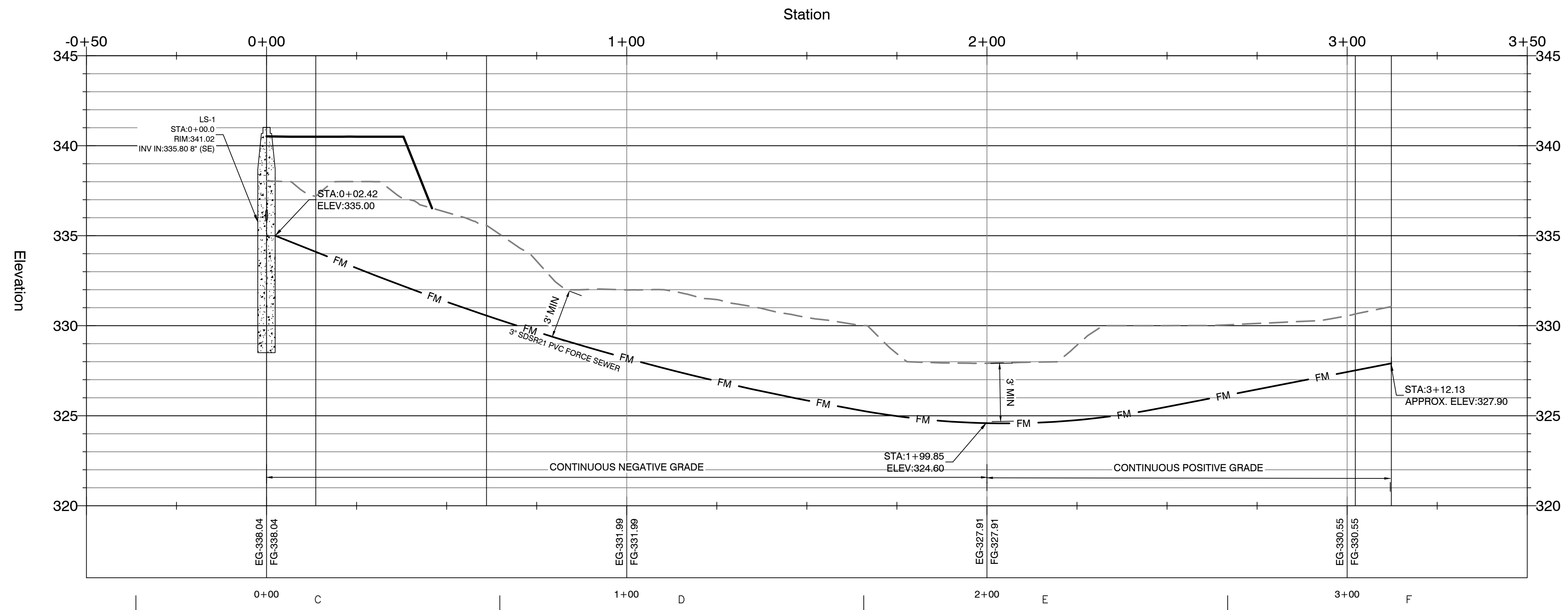
SHEET NO:
10



**2" COMB. AIR VALVE -
DETAIL**
N.T.S.



FORCESEWER PROFILE



BY	REVISION	DATE

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 P.O. Box 116 (72018) Ph (501) 408-4650
 2909 Military Road Fx (888) 900-3068
 Benton, AR 72015 gmatengineer@gmail.com

**LIFTSTATION AREA
FORCE SEWER PLAN & PROFILE**

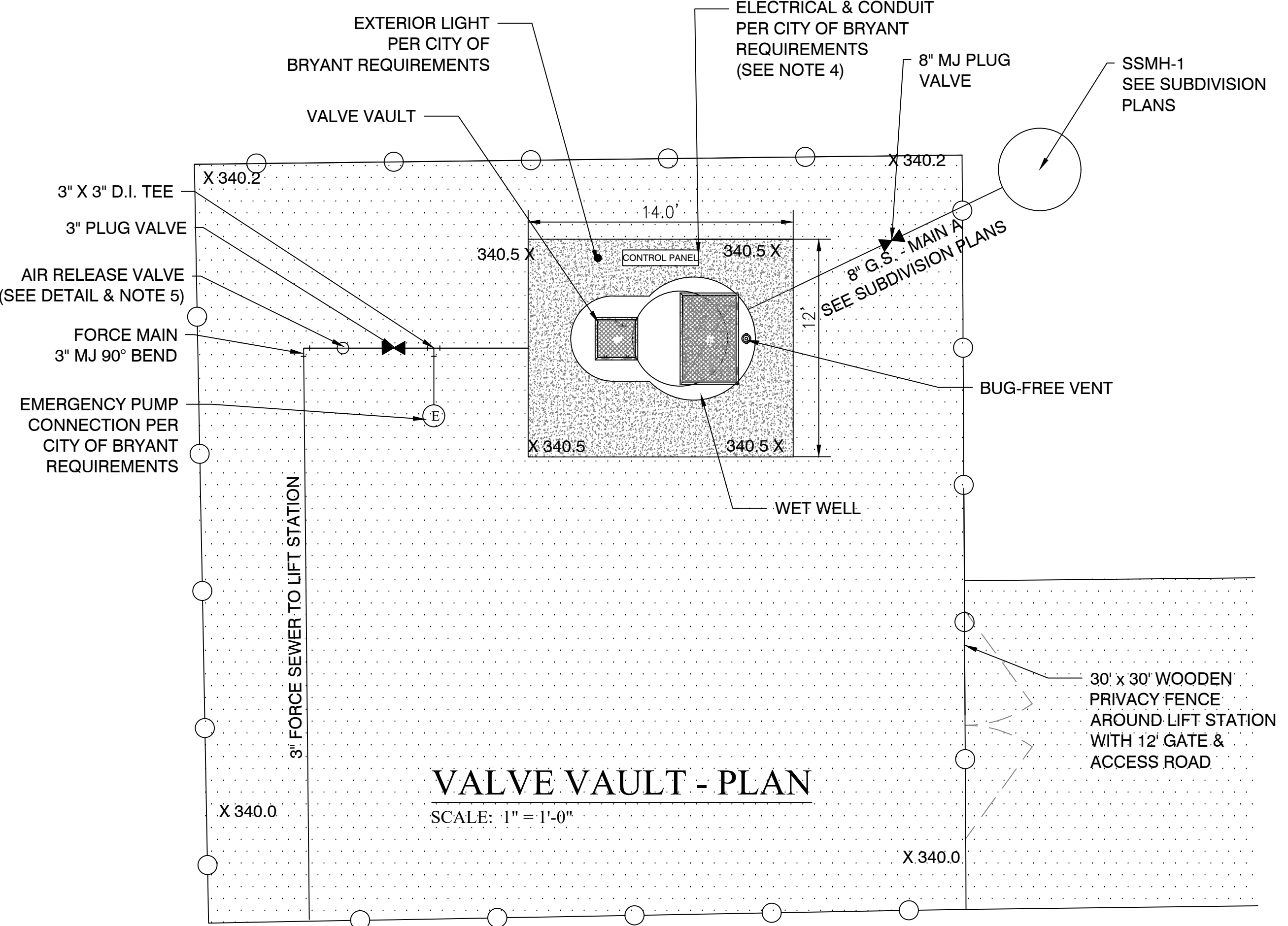
PRELIMINARY

CONTENTS:
**LIFTSTATION
PLAN &
PROFILE**

PROJECT NO:
21206

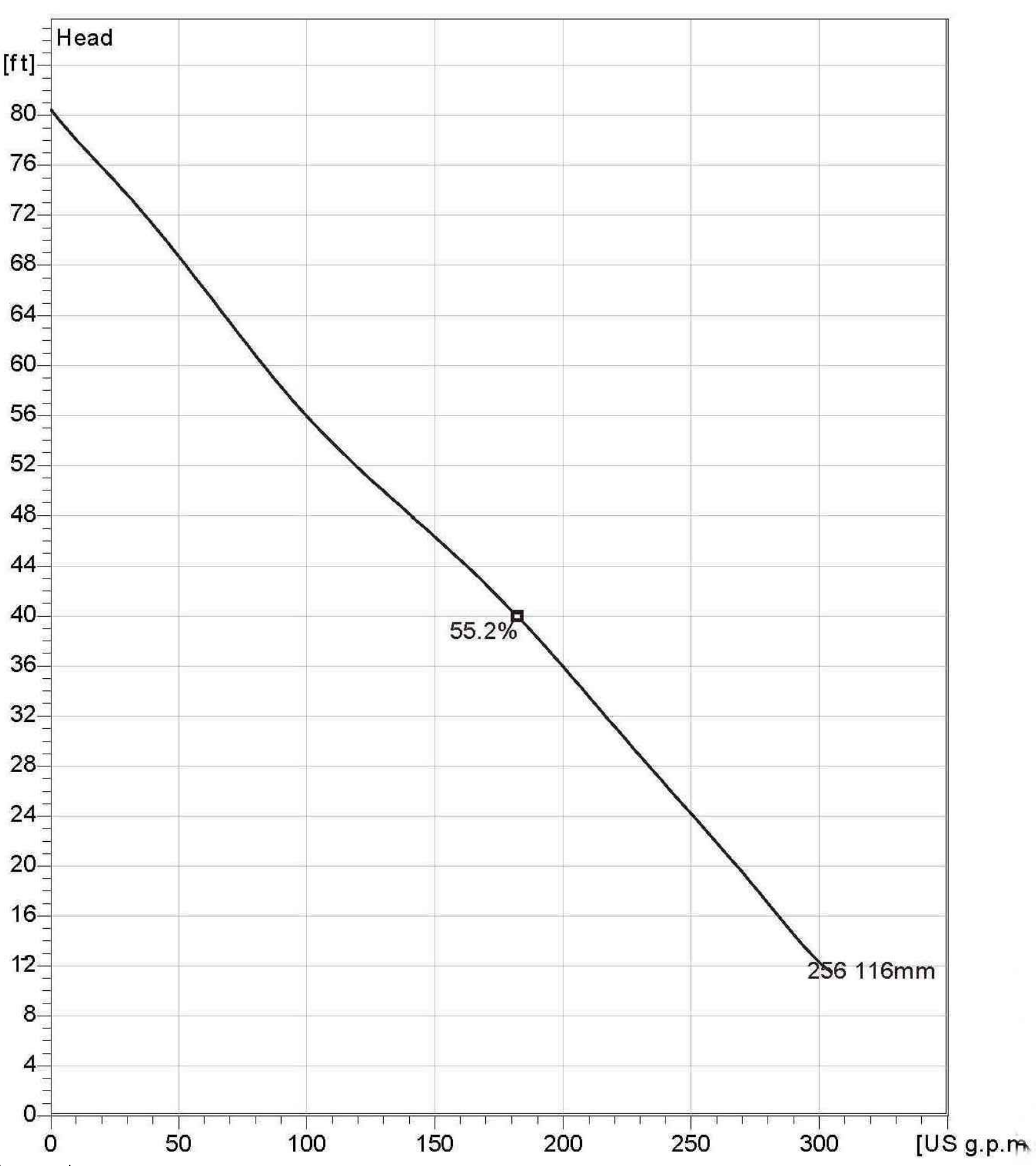
DATE:
FEB 2023

SHEET NO:
10



VALVE VAULT - PLAN
SCALE: 1" = 1'-0"

NP 3085 SH 3~ 256
Technical specification



PUMP INFORMATION
N.T.S.



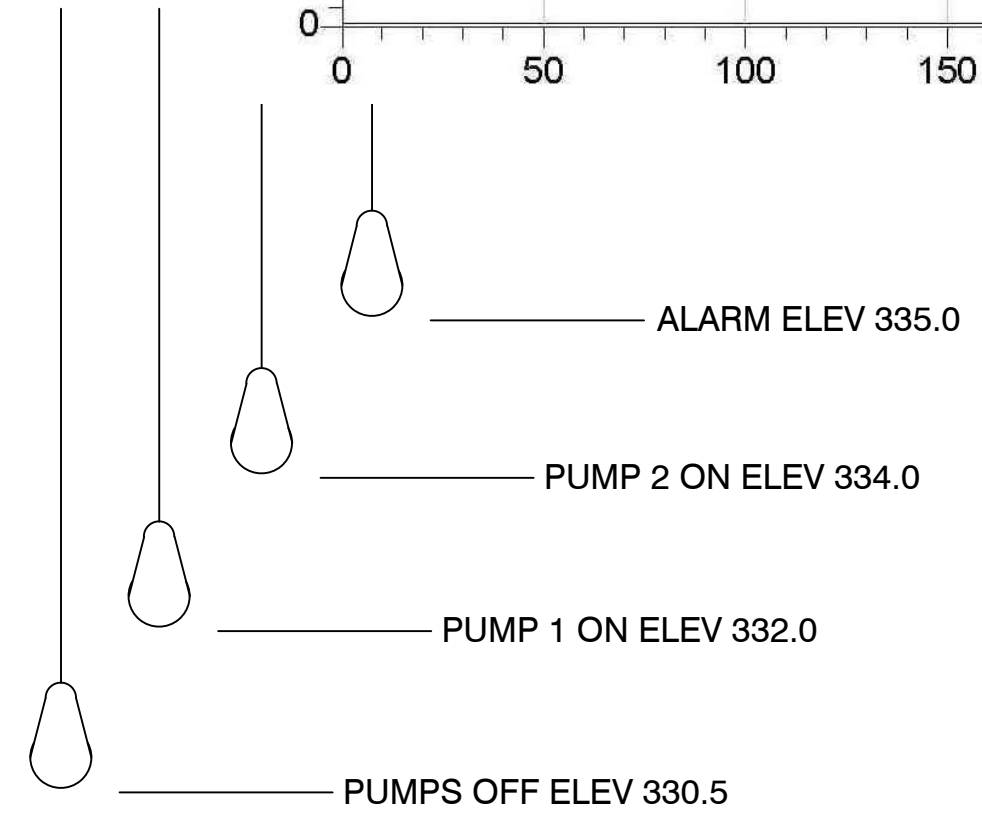
Note: Picture might not correspond to the current configuration.

General
Patented self cleaning semi-open channel impeller, ideal for pumping in waste water applications. Possible to be upgraded with Guide-pin® for ev en better clogging resistance. Modular based design with high adaptation grade.

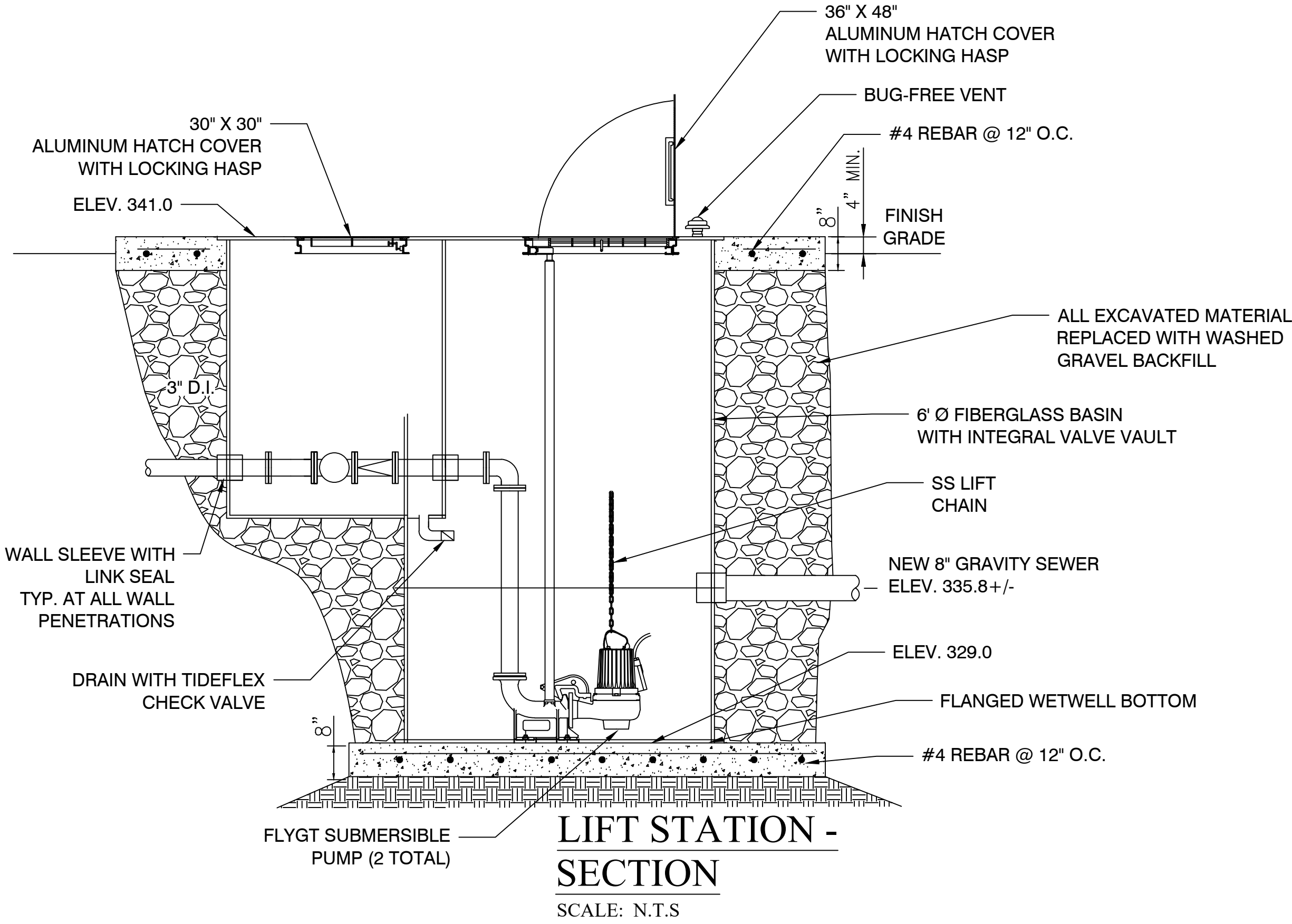
Impeller
Impeller material: Grey cast iron
Discharge Flange Diameter: 3 1/8 inch
Suction Flange Diameter: 80 mm
Impeller diameter: 116 mm
Number of blades: 2

Motor
Motor #: N3085.183 15-09-2AL-W 4hp
Stator variant: 12
Frequency: 60 Hz
Rated voltage: 460 V
Number of poles: 2
Phases: 3~
Rated power: 4 hp
Rated current: 5.1 A
Starting current: 30 A
Rated speed: 3415 rpm
Power factor:
1/1 Load: 0.91
3/4 Load: 0.88
1/2 Load: 0.81
Efficiency:
1/1 Load: 80.5 %
3/4 Load: 82.5 %
1/2 Load: 82.5 %

Configuration

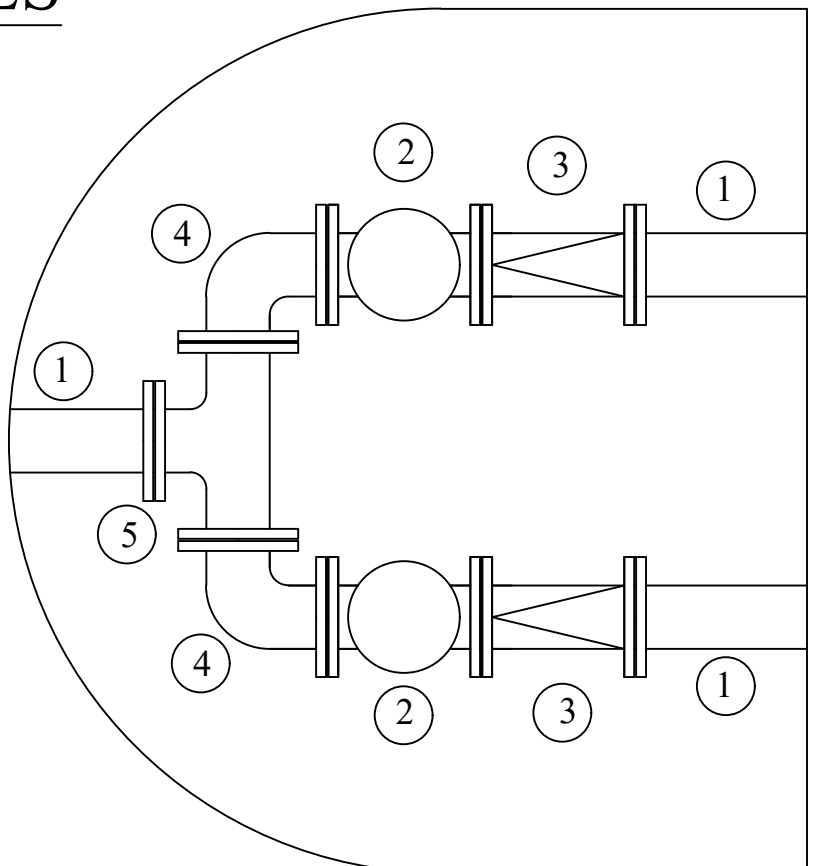


LEVEL CONTROLS
N.T.S.



LIFT STATION - SECTION
SCALE: N.T.S.

LIFT STATION - PLAN
SCALE: 1" = 5'



KEYED NOTES

1. 3" FLANGED SPOOL
2. 3" FLANGED PLUG VALVE
3. 3" FLANGED CHECK VALVE
4. 3" FLANGED 90° BEND
5. 3" FLANGED TEE

LIFT STATION NOTES

1. LIFT STATION SHALL BE COMPLETELY SHOP FABRICATED INCLUDING WETWELL, VALVE VAULT, ACCESS HATCHES, INTERNAL PIPING & VALVES, PUMP RAILS, LEVEL CONTROLS AND APPURTENANCES
2. ALL INTERNAL PIPING SHALL BE CONSTRUCTED OF FLANGED SCHEDULE 40 304L STAINLESS STEEL
3. ALL EQUIPMENT SHALL BE CONSTRUCTED PER CITY OF BRYANT REQUIREMENTS.
4. PROVIDE CANOPY OVER ELECTRICAL CABINETS AND CONCRETE HOUSEKEEPING PAD UNDER PANELS PER CITY OF BRYANT REQUIREMENTS.
5. INSTALL FORCE MAIN TO ENSURE AIR VALVE IS AT HIGH POINT. RELOCATE AIR VALVE AS REQUIRED.

BY	VW
REVISION	
DATE	3/18/15 REVISE PER HEALTH DEPT.
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P.O. Box 116 (72018) Ph (501) 425-2771 406 W. South Street Fx (888) 900-3068 Benton, AR 72015 gnatengineering@gmail.com	
CREEK SIDE COTTAGES & OLDE SALEM TOWNSHIP SEWER IMPROVEMENTS SALINE COUNTY, ARKANSAS	
CONTENTS:	LIFT STATION DETAILS
PROJECT NO:	15005
DATE:	FEB 2015
SHEET NO:	4

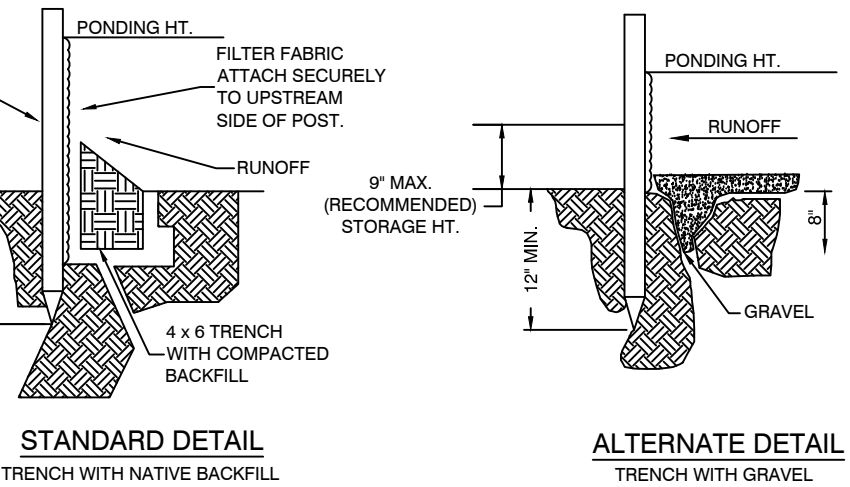
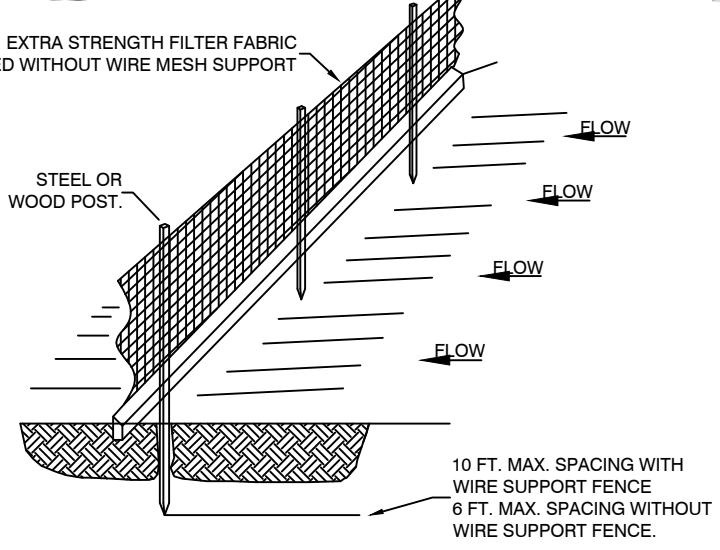
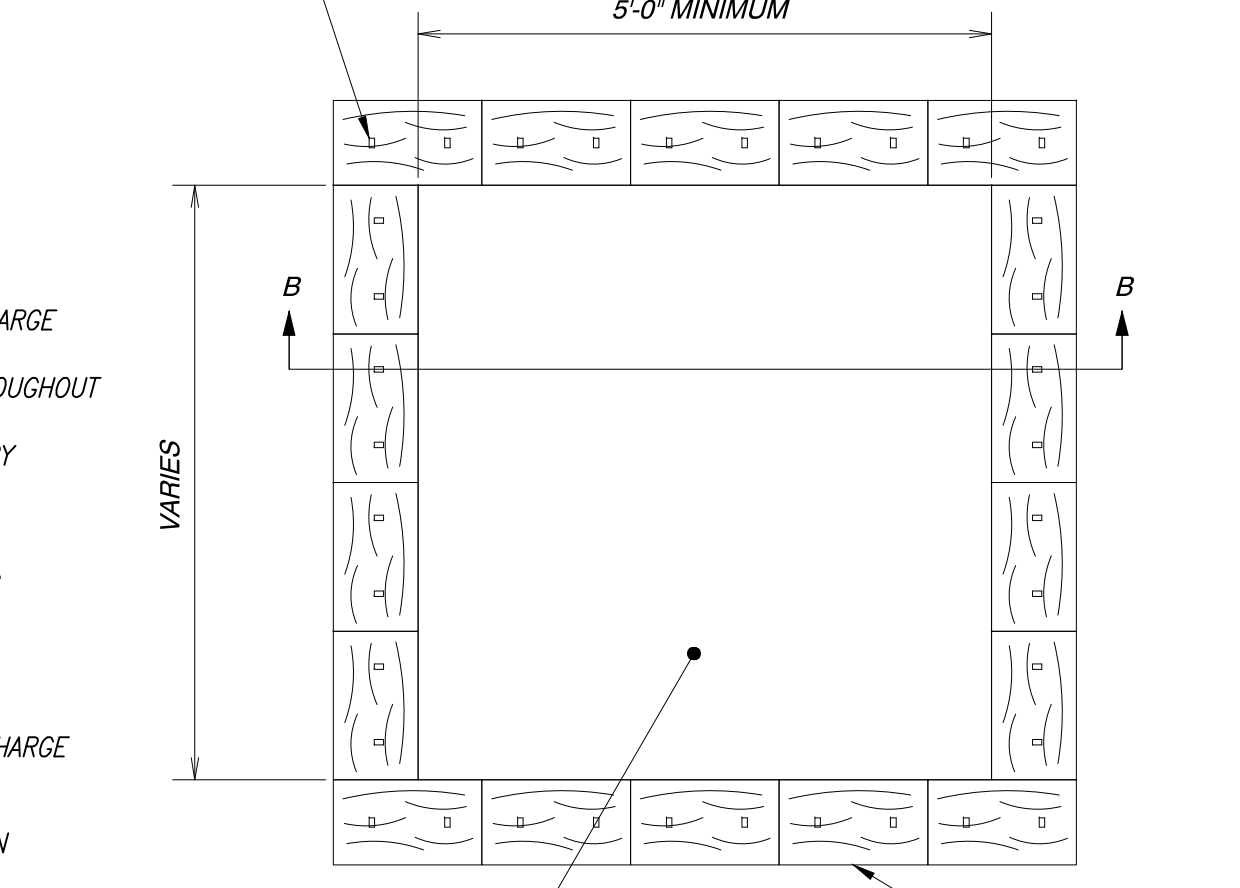
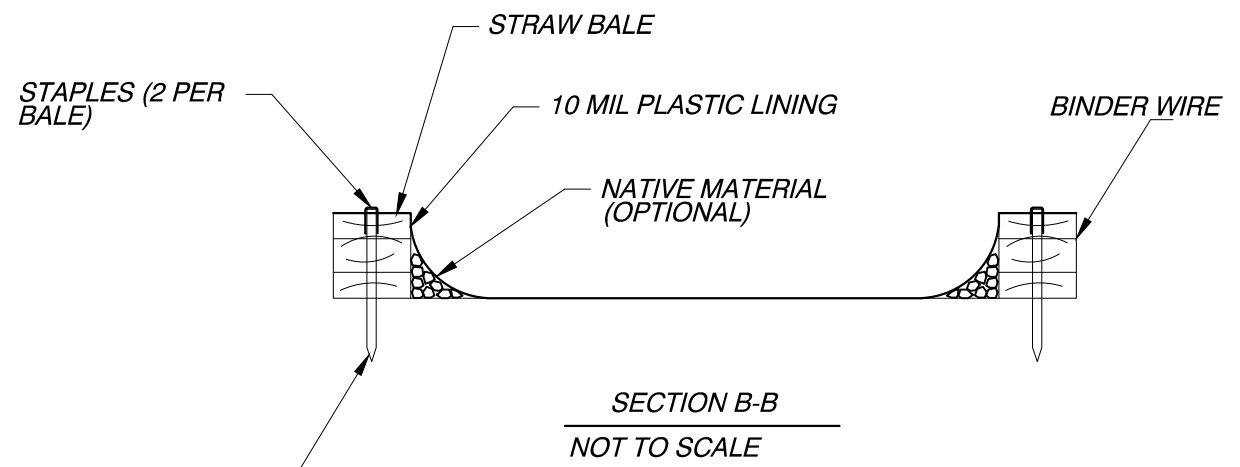
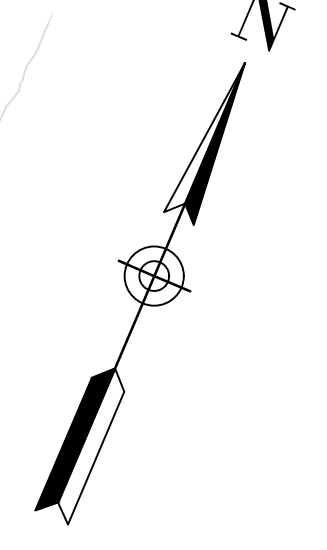
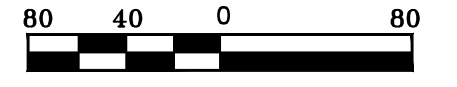
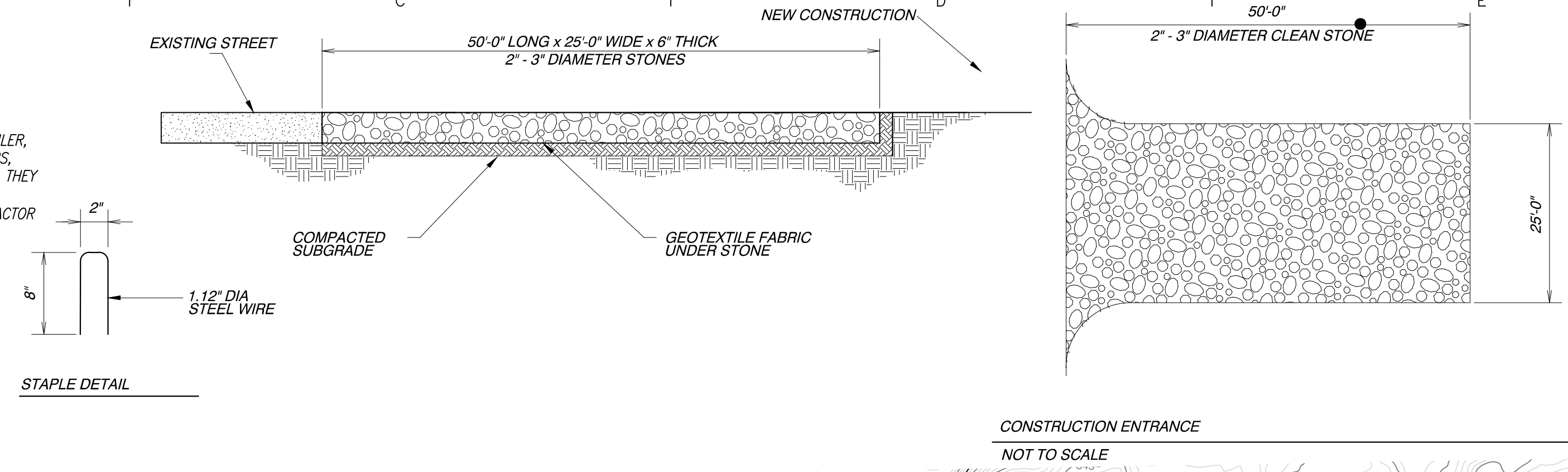
SEQUENCE OF CONSTRUCTION:

PHASE I

1. CONSTRUCT THE SILT FENCES ON THE SITE.
2. CONSTRUCT THE ROCK CHECK DAMS AND SEDIMENT TRAP BASINS.
3. INSTALL STABILIZED CONSTRUCTION ENTRANCES.
4. CLEAR AND GRUB THE SITE.
5. PREPARE TEMPORARY PARKING AND STORAGE AREA. UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY DOWN, PORTA POTTY, WHEEL WASH, CONCRETE WASHOUT, MASON'S AREA, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC. DENOTE THEM ON THE SITE MAPS IMMEDIATELY AND NOTE ANY CHANGES IN THE LOCATIONS AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.
6. HALT ALL ACTIVITIES AND CONTACT THE CIVIL ENGINEERING CONSULTANT TO PERFORM INSPECTION OF BMP(S). GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRECONSTRUCTION MEETING WITH ENGINEER AND ALL GROUND DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.
7. BEGIN GRADING THE SITE.

PHASE II

1. TEMPORARILY SEED DENUDEED AREAS.
2. INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, AND ROAD IMPROVEMENTS.
3. INSTALL RIP RAP AROUND OUTLET STRUCTURES.
4. INSTALL INLET PROTECTION AROUND ALL STORM SEWER STRUCTURES.
5. PREPARE SITE FOR PAVING.
6. PAVE SITE.
7. COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND PLANTING.
9. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (ONLY IF SITE IS STABILIZED)



SILT FENCE

- NOTE:
- 1) INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
 - 2) REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 - 3) SILT FENCE SHALL BE PLACED ON SLOPE CONTIGUOUS TO MAXIMIZE PONDING EFFICIENCY.

GENERAL EROSION NOTES:

1. THE STORMWATER POLLUTION PREVENTION PLAN IS COMPRISED OF A SITE MAP, STANDARD DETAILS, THE PLAN NARRATIVE, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF ARKANSAS NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
4. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OF MANUAL OF PRACTICE, AS APPLICABLE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
5. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS, PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
6. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
7. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS AND TOILET FACILITIES.
8. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
9. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEANUP FUEL OR CHEMICAL SPILLS AND LEAKS.
10. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
11. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIAL SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
12. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
13. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED FOR AT LEAST 14 DAYS, SHALL BE TEMPORARILY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
14. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
15. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF OF THE SITE.
16. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
17. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
18. ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
19. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
20. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, STRAW BALES, ETC.) TO PREVENT EROSION.
21. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

BY: _____

REVISION: _____

DATE: _____

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 Bryant, AR 72022 gnatengineering@gmail.com

DIAMOND ESTATES

PART OF THE SOUTHWEST QUARTER
 SECTION 12, T-1-S, R-14-W,
 SALINE COUNTY, ARKANSAS

STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 NO. 9551
 KERRON J. WILLIAMS

2-8-2023

CONTENTS:

EROSION CONTROL PLAN

PROJECT NO: 21206

DATE: FEB 2023

SHEET NO: