

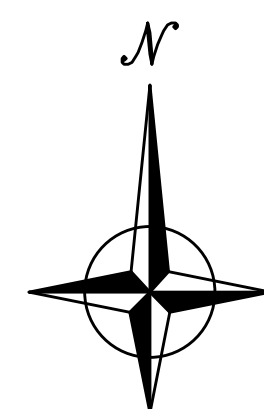
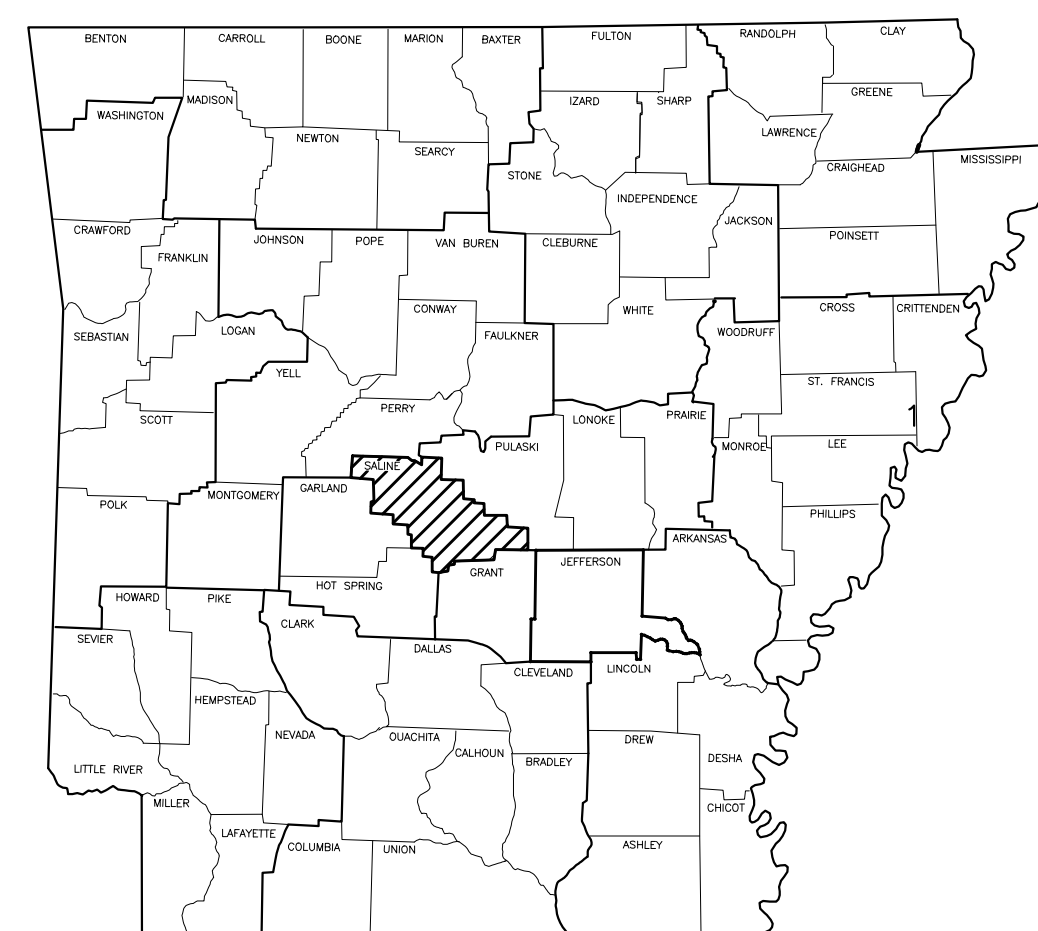
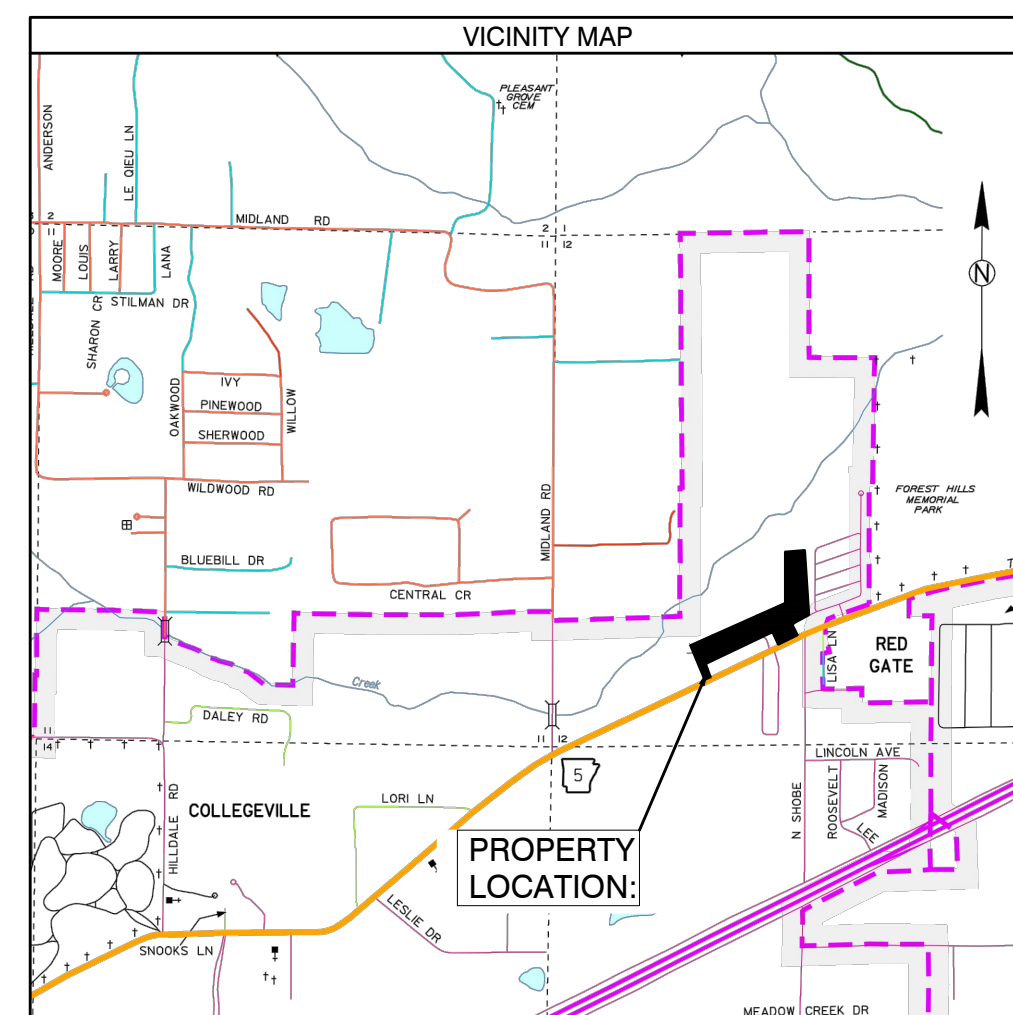
# DIAMOND ESTATES SUBDIVISION BRYANT, ARKANSAS

Prepared by:  
**GarNat Engineering, LLC**

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[www.garnatengineering.com](http://www.garnatengineering.com)

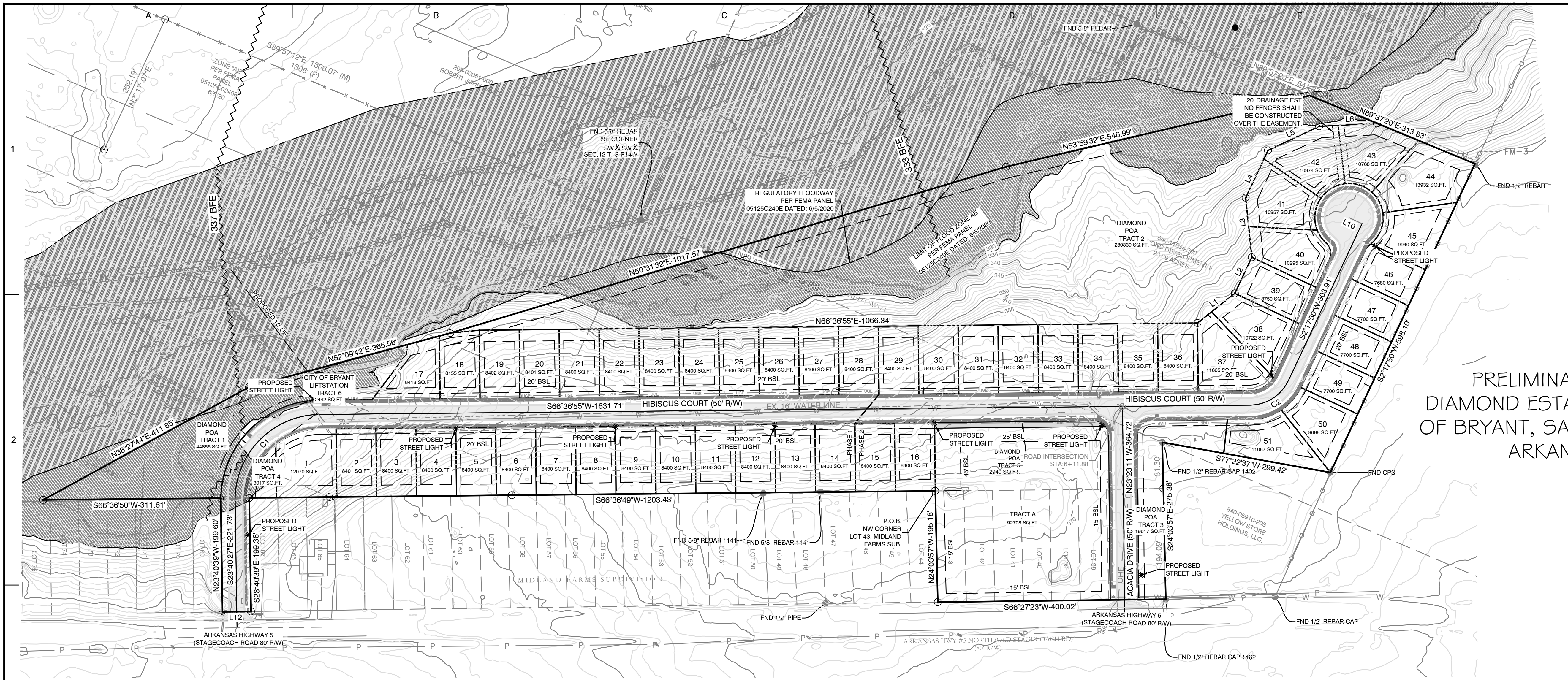
P.O. Box 116  
Benton, AR 72018  
Ph (501) 408-4650

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





LINE #	Length	Direction
L1	83.57	N28° 45' 19"E
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L3	105.07	N28° 36' 30"W
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L10	25.00	N87° 41' 21"W
L12	50.00	S66° 21' 31"W

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

**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

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

**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 PRELIMINARY SURVEYING ACCURACY:**  
 I, George P. Wooden, hereby certify that this proposed preliminary plat correctly represents a boundary survey made by me or under my supervision on 6/07/2022; that the boundary lines shown hereon correspond with the description in the deeds cited in the above Source of Title; and that all monuments which were found or placed on the property are correctly described and located.

Date: \_\_\_\_\_ Signed: \_\_\_\_\_  
 George P. Wooden  
 Registered Land Surveyor  
 No. 1573, Arkansas

**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 (EXCEPT TRACT 1 = C-2)  
 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 50C  
 LOT CORNERS: SET #4 REBAR WITH CAP

**NOTES:**  
 1. SIDEWALKS (INCLUDING HANDICAP RAMPS) ON POA PROPERTY AND LIFT STATION SITE WILL BE CONSTRUCTED PRIOR TO APPROVAL OF FINAL PLAT.

**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

**SURVEY LEGEND**

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**PROPERTY DESCRIPTION:**

LOCATED IN THE SOUTHWEST QUARTER (SW1/4) OF SECTION 12, TOWNSHIP 1 SOUTH, RANGE 14 WEST AND PART OF LOTS 36, 37, 38, 39, 40, 41, 42, 43, 68, 86, 87, 88, 89, 90 AND 108 MIDLAND FARMS SUBDIVISION, CITY OF BRYANT, SALINE COUNTY, ARKANSAS, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

**BEGINNING** AT A SET 1/2" REBAR WITH CAP #1573 LOCATED AT THE NORTHWEST CORNER OF LOT 43 MIDLAND FARMS SUBDIVISION, SALINE COUNTY, ARKANSAS; THENCE S 66°36'49" W A DISTANCE OF 1203.43 FEET TO THE NORTHEAST CORNER OF LOT 68 OF SAID MIDLAND FARMS SUBDIVISION; THENCE S 23°40'39" E ALONG THE EAST LINE OF SAID LOT 68 A DISTANCE OF 199.38 FEET TO THE NORTH RIGHT OF WAY OF ARKANSAS HIGHWAY 5; THENCE S 66°21'31" W ALONG SAID NORTH RIGHT OF WAY A DISTANCE OF 50.00 FEET TO THE SOUTHWEST CORNER OF SAID LOT 68; THENCE N 23°40'39" W ALONG THE WEST LINE OF SAID LOT 68 A DISTANCE OF 199.60 FEET TO THE NORTHWEST CORNER OF SAID LOT 68; THENCE S 66°36'50" W A DISTANCE OF 311.61 FEET; THENCE N 38°27'44" E A DISTANCE OF 411.85 FEET TO A SET 1/2" REBAR WITH CAP #1573; THENCE N 52°09'42" E A DISTANCE OF 365.56 FEET TO A SET 1/2" REBAR WITH CAP #1573; N 50°31'32" E A DISTANCE OF 1017.57 FEET; THENCE N 53°59'32" E A DISTANCE OF 546.99 FEET TO A POINT ON THE SOUTH LINE OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE SOUTHWEST QUARTER (NE1/4 NE1/4 SW1/4) OF SAID SECTION 12, TOWNSHIP 1 SOUTH, RANGE 14 WEST; THENCE N 89°37'20" E, ALONG SAID SOUTH LINE, A DISTANCE OF 313.83 FEET TO A FOUND 1/2" REBAR AT THE SOUTHEAST CORNER OF THE SAID NE1/4 NE1/4 SW1/4 OF SECTION 12, TOWNSHIP 1 SOUTH, RANGE 14 WEST; THENCE S 21°7'50" W FOR A DISTANCE OF 598.10 FEET TO A FOUND COTTON PICKER SPINDLE (CPS) AT THE NORTHEAST CORNER OF LOT 1, DOLLAR GENERAL ADDITION TO THE CITY OF BRYANT, PLAT RECORDED IN BOOK 2010 PAGE 93434; THENCE S 77°22'37" W, ALONG SAID LOT 1 NORTH LINE, 299.42 FEET TO A FOUND 1/2" REBAR WITH CAP #1402 AT THE NORTHWEST CORNER OF SAID LOT 1; THENCE S 24°03'57" E, ALONG SAID LOT 1 WEST LINE, 275.38 FEET TO A FOUND 1/2" REBAR WITH CAP #1402 AT THE SOUTHWEST CORNER OF SAID LOT 1 AND THE NORTHERLY RIGHT OF WAY OF ARKANSAS HIGHWAY 5 (STAGECOACH ROAD); THENCE S 66°27'23" W, ALONG SAID NORTHERLY RIGHT OF WAY, 400.00 FEET TO A SET 1/2" REBAR WITH CAP #1573; THENCE N 24°03'57" W, LEAVING SAID RIGHT OF WAY, 195.18 FEET TO THE POINT OF BEGINNING, CONTAINING 24.07 ACRES, MORE OR LESS. SUBJECT TO THE RIGHT OF WAY OF ARKANSAS HIGHWAY 5 NORTH AND ANY EASEMENTS OF RECORD.



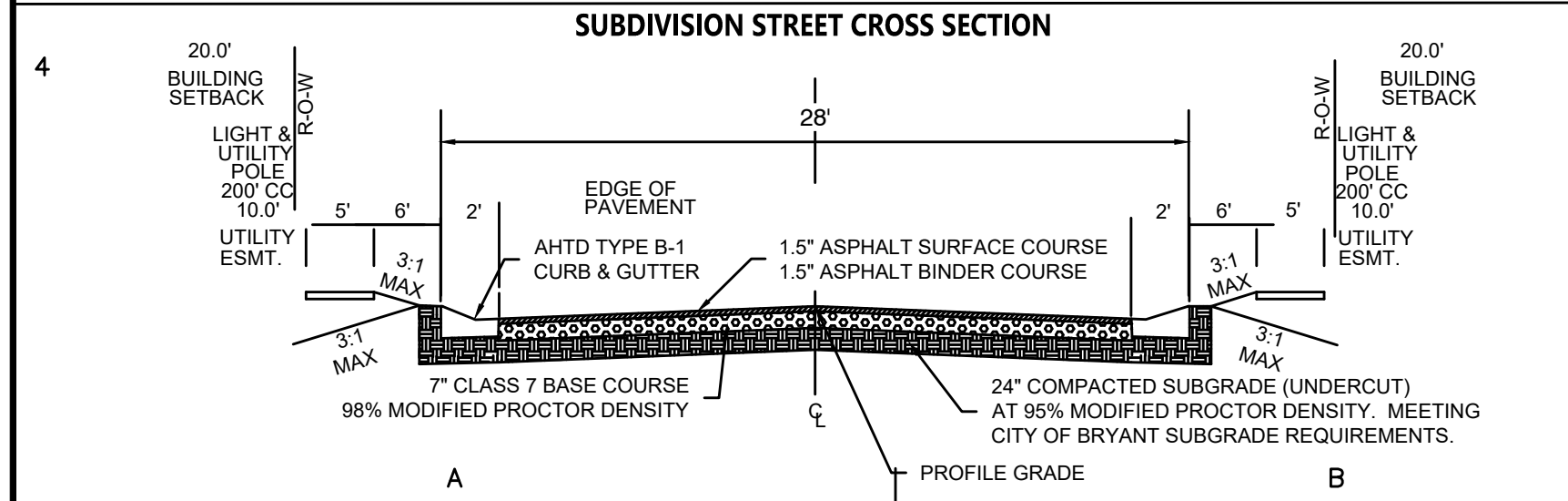
2-21-2023

**PRELIMINARY  
PLAT  
OVERALL**

PROJECT NO:  
21206

DATE:  
FEB 2023

SHEET NO:  
1

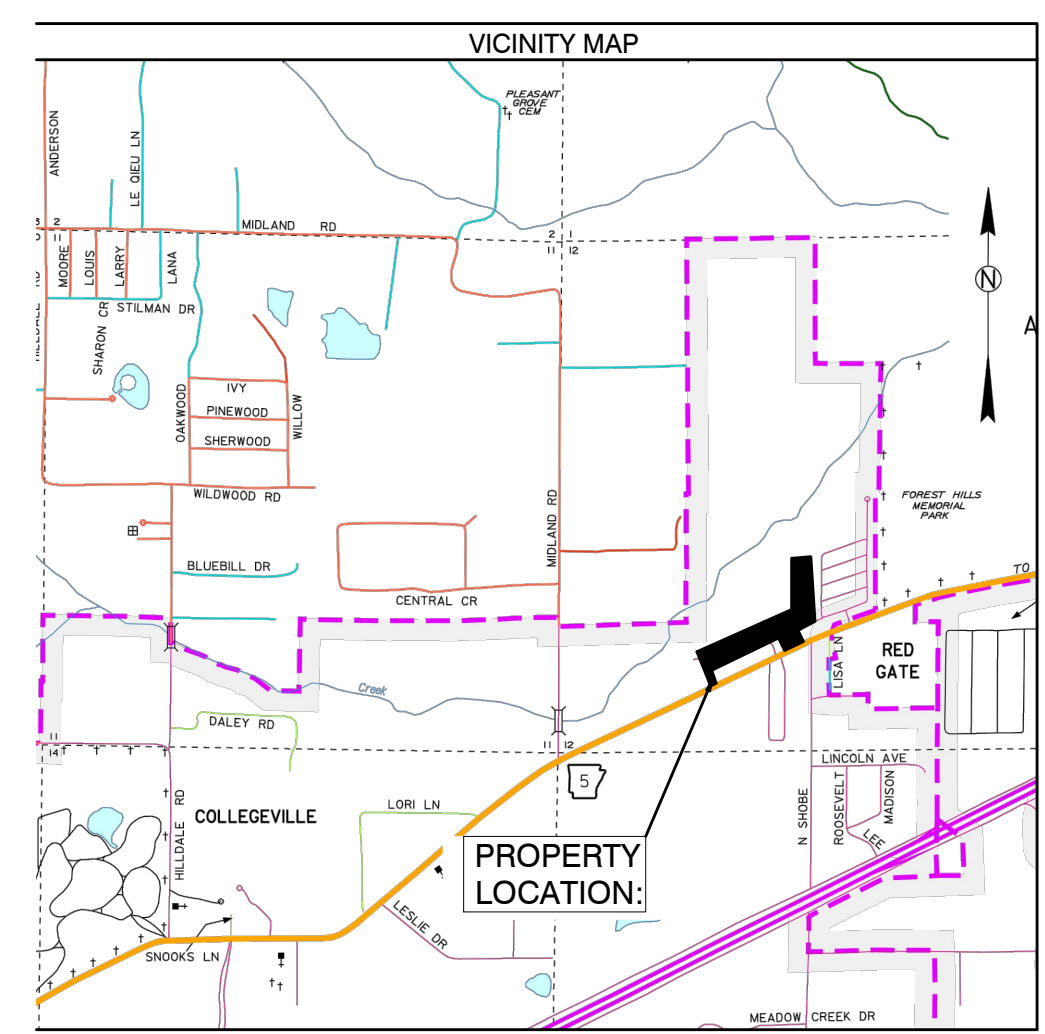
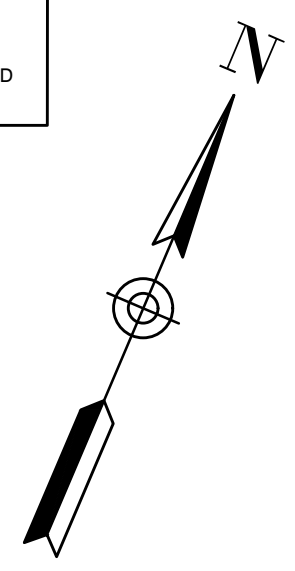
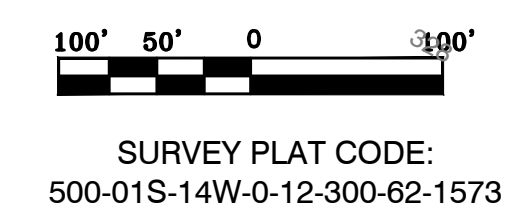


**DOCUMENTS USED:**

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- BOOK 2004 PAGE 112595 TD THORP TO DIAMOND DEVELOPMENT II

**BASIS OF BEARINGS:**

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2/19/2023 1:00 PM Project: 21206 - Diamond Estates to Bryant, Saline County, Arkansas. User: Vernon Williams. Plot: 21206-01-14W-012-300-62-1573.dwg





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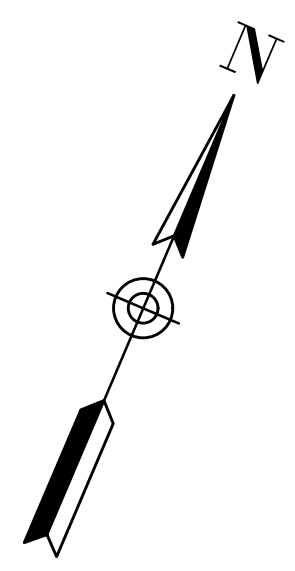
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- (M) - Measured
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**SURVEY PLAT CODE:**  
 500-01S-14W-0-12-300-62-1573



**LINE TABLE**

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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
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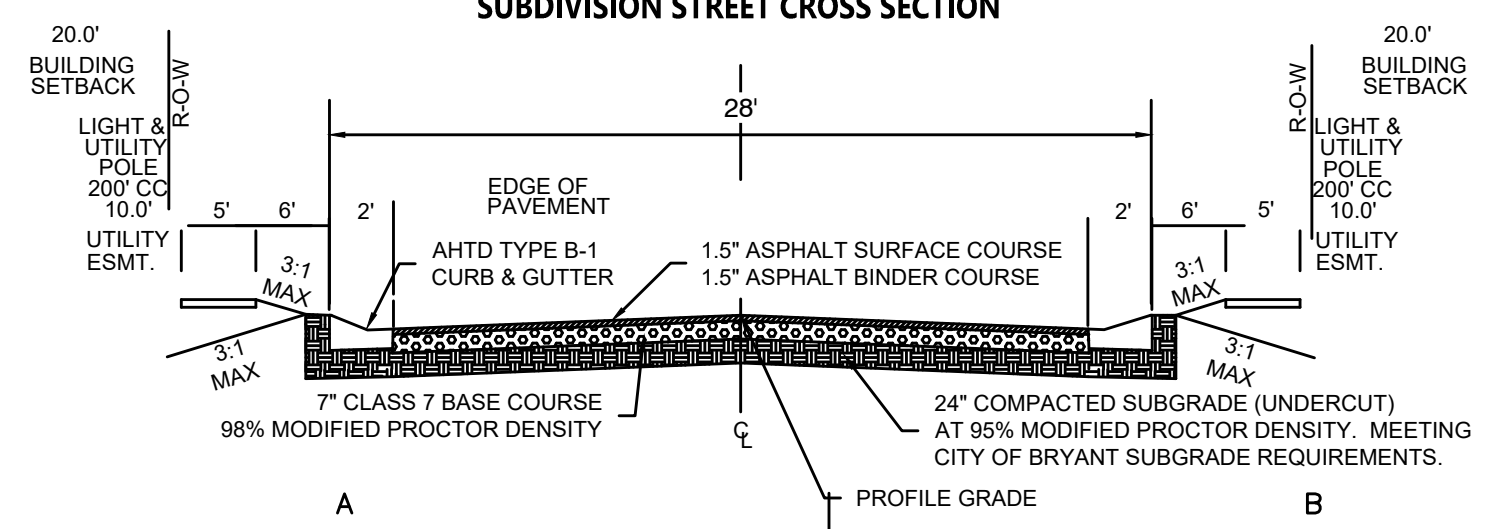
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BY \_\_\_\_\_

REVISION \_\_\_\_\_

DATE \_\_\_\_\_

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



2-21-2023

**CONTENTS:**

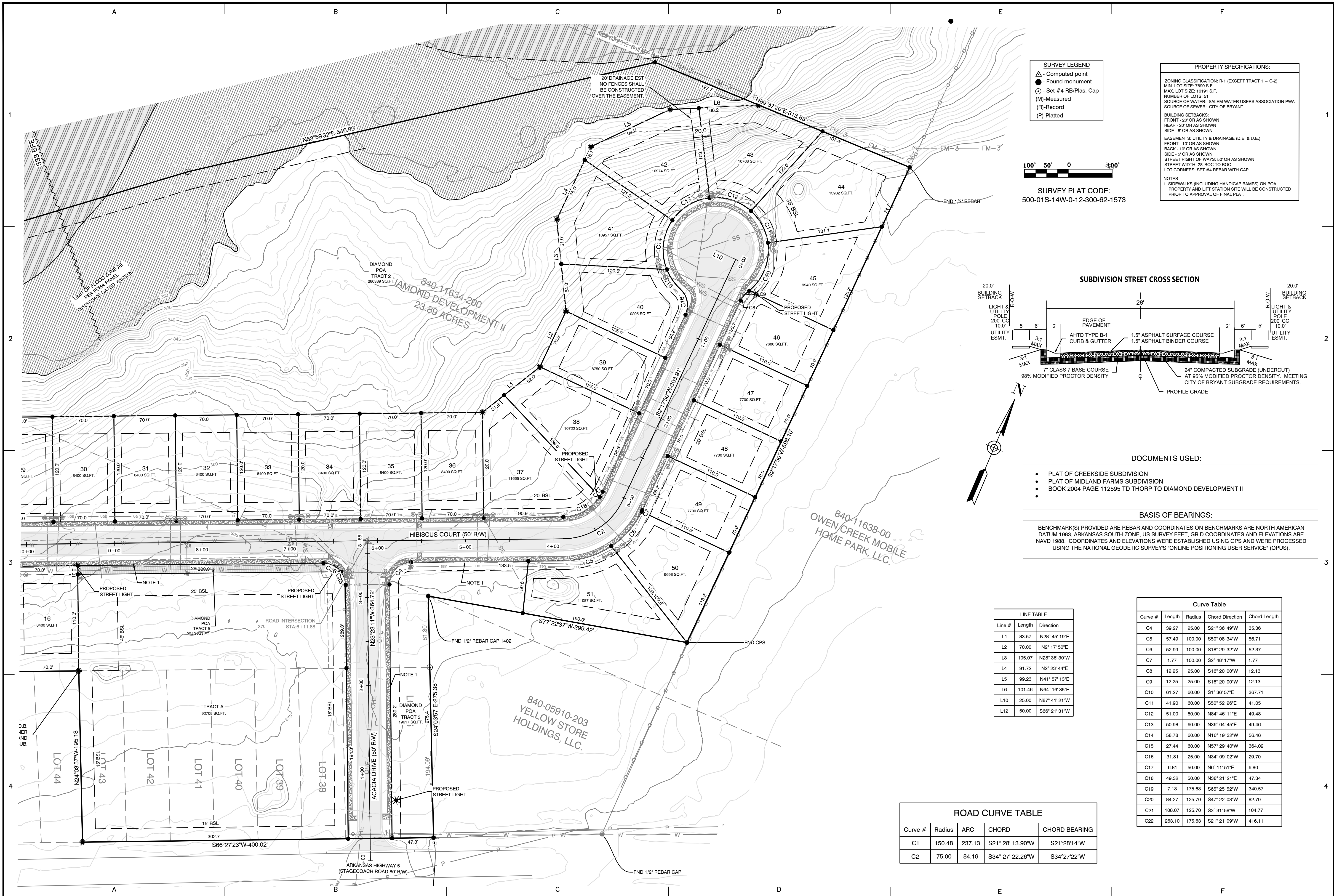
PRELIMINARY  
 PLAT  
 SOUTH HALF  
 DIMENSIONS

PROJECT NO:  
 21206

DATE:  
 FEB 2023

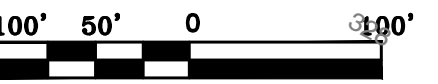
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**SURVEY LEGEND**

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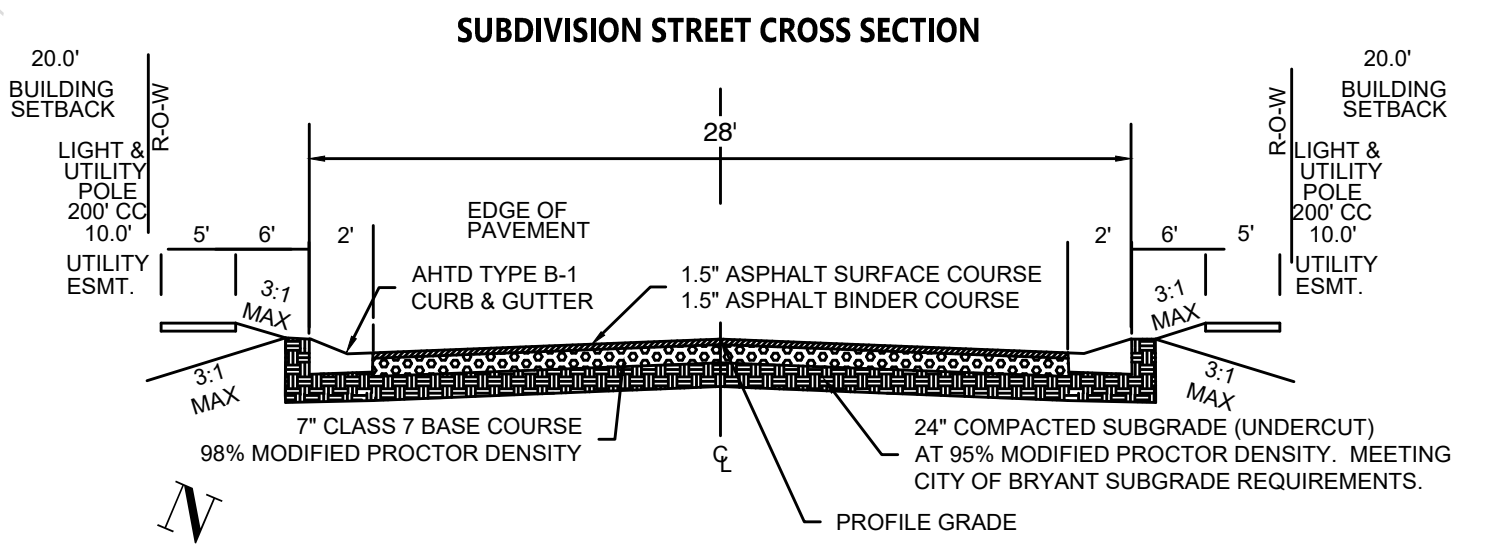


**SURVEY PLAT CODE:**  
500-01S-14W-0-12-300-62-1573

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BY		REVISION		DATE	
1		1			
2		2			
3		3			
4		4			

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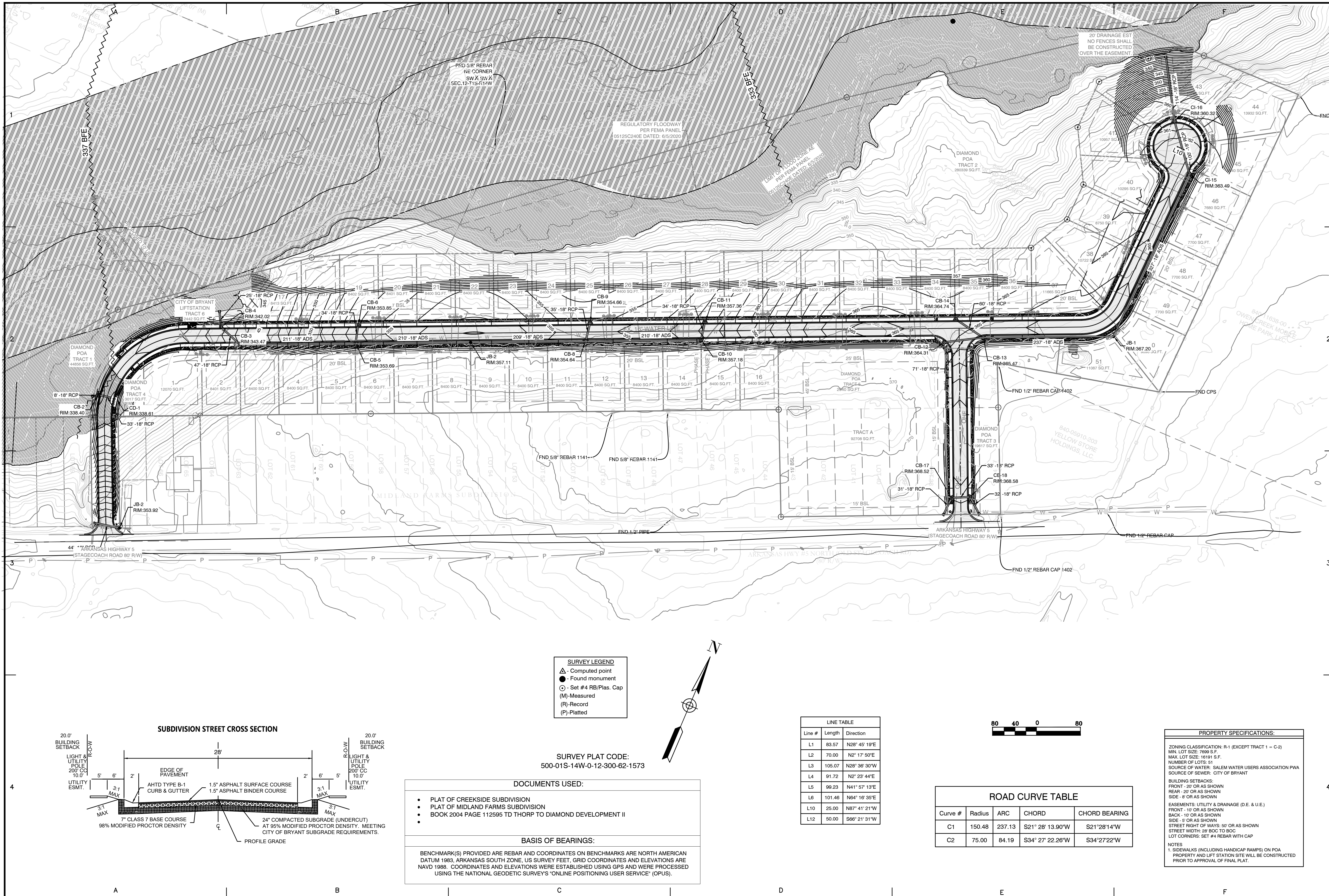
2-21-2023

**PRELIMINARY PLAT NORTH HALF DIMENSIONS**

PROJECT NO: 21206  
 DATE: FEB 2023  
 SHEET NO:

3





BY	
REVISION	
DATE	

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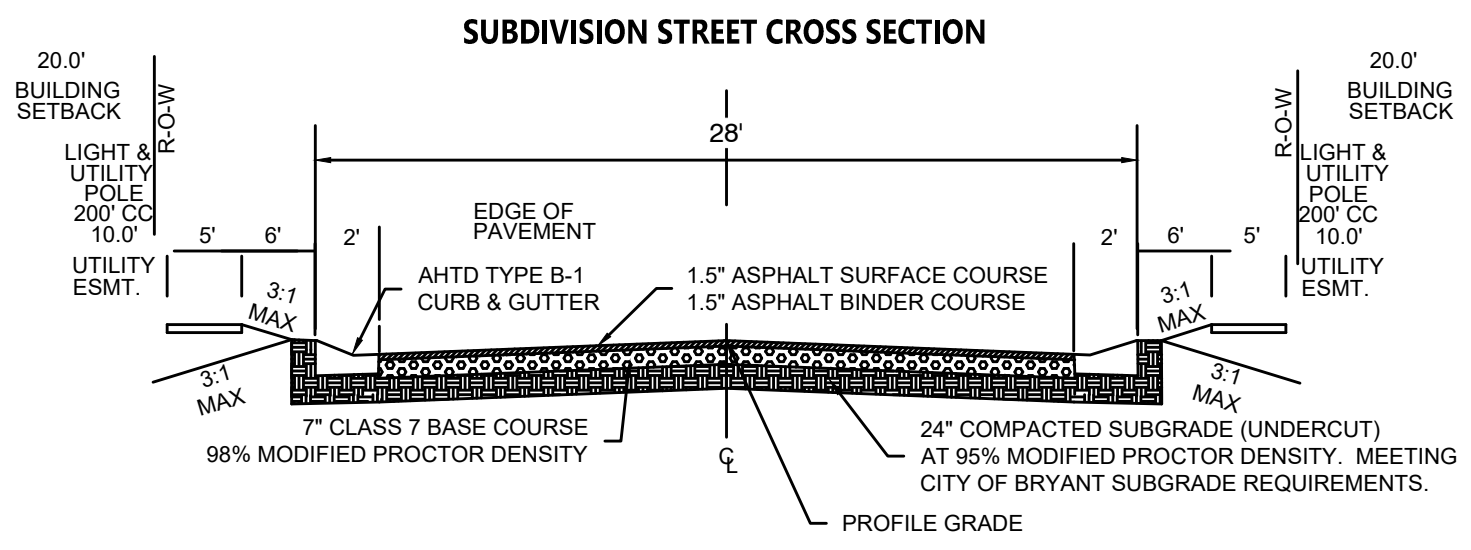
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2-21-2023

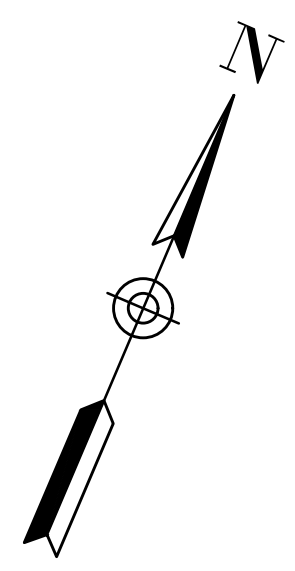
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PROJECT NO: 21206  
 DATE: FEB 2023  
 SHEET NO: 4



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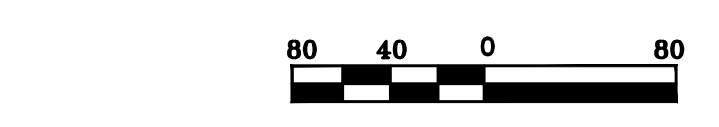


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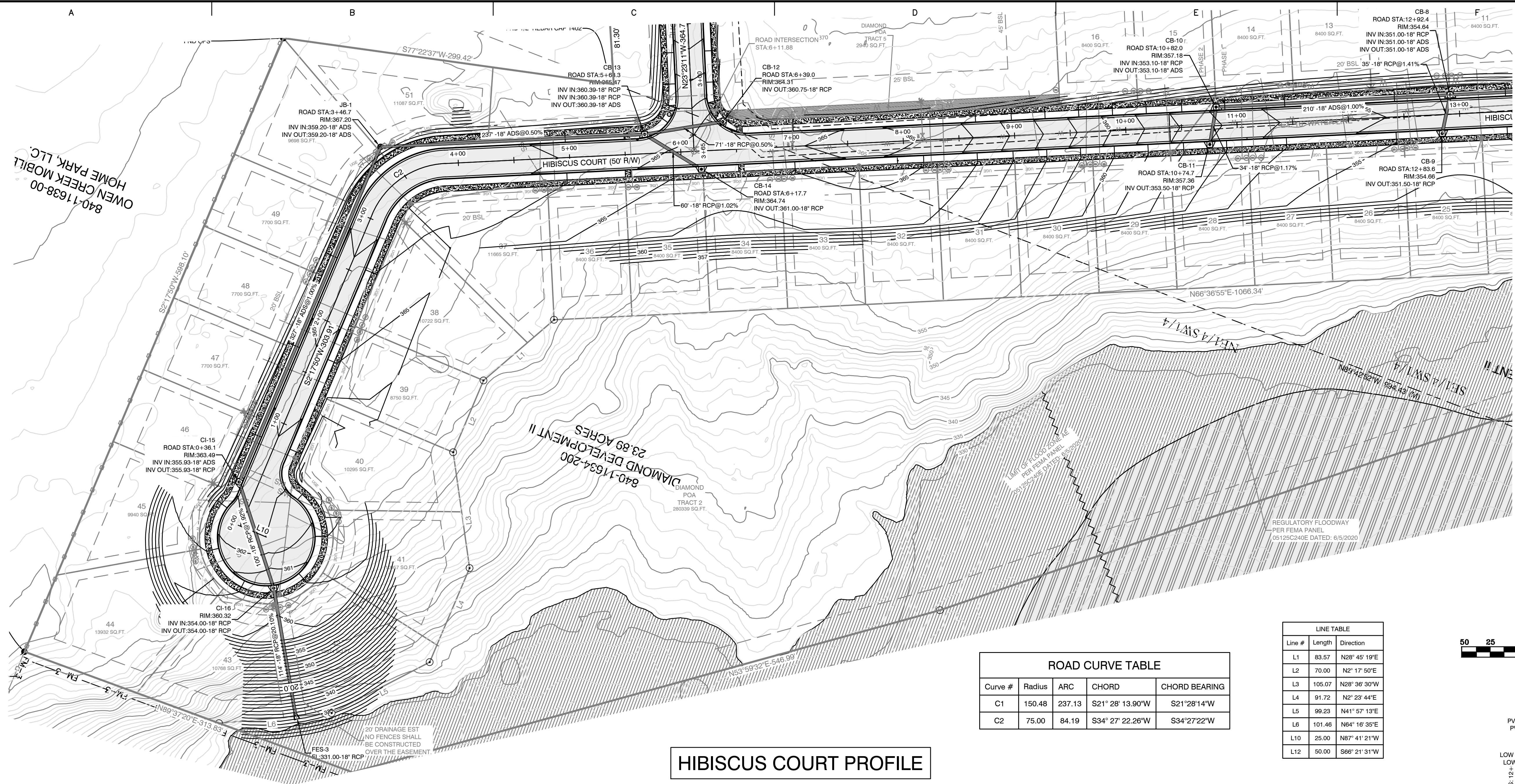
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 REAR - 20' OR AS SHOWN  
 SIDE - 8' OR AS SHOWN

**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: 28' BOC TO BOC  
 LOT CORNERS: SET #4 REBAR WITH CAP

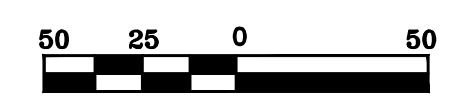
**NOTES**  
 1. SIDEWALKS (INCLUDING HANDICAP RAMPS) ON POA PROPERTY AND LIFT STATION SITE WILL BE CONSTRUCTED PRIOR TO APPROVAL OF FINAL PLAT.



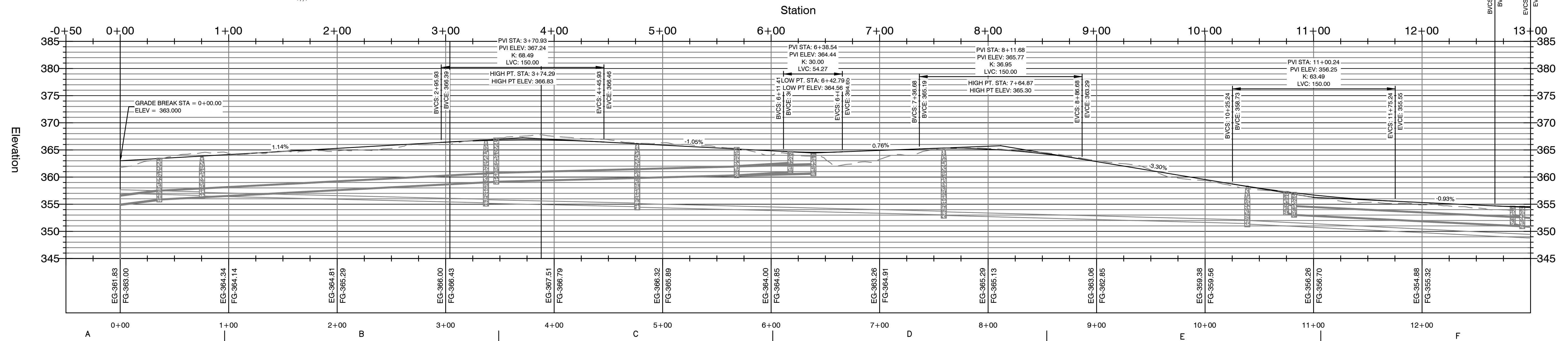


Curve #	Radius	ARC	CHORD	CHORD BEARING
C1	150.48	237.13	S21° 28' 13.90"W	S21° 28' 14"W
C2	75.00	84.19	S34° 27' 22.26"W	S34° 27' 22"W

Line #	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
L10	25.00	N87° 41' 21"W
L12	50.00	S66° 21' 31"W

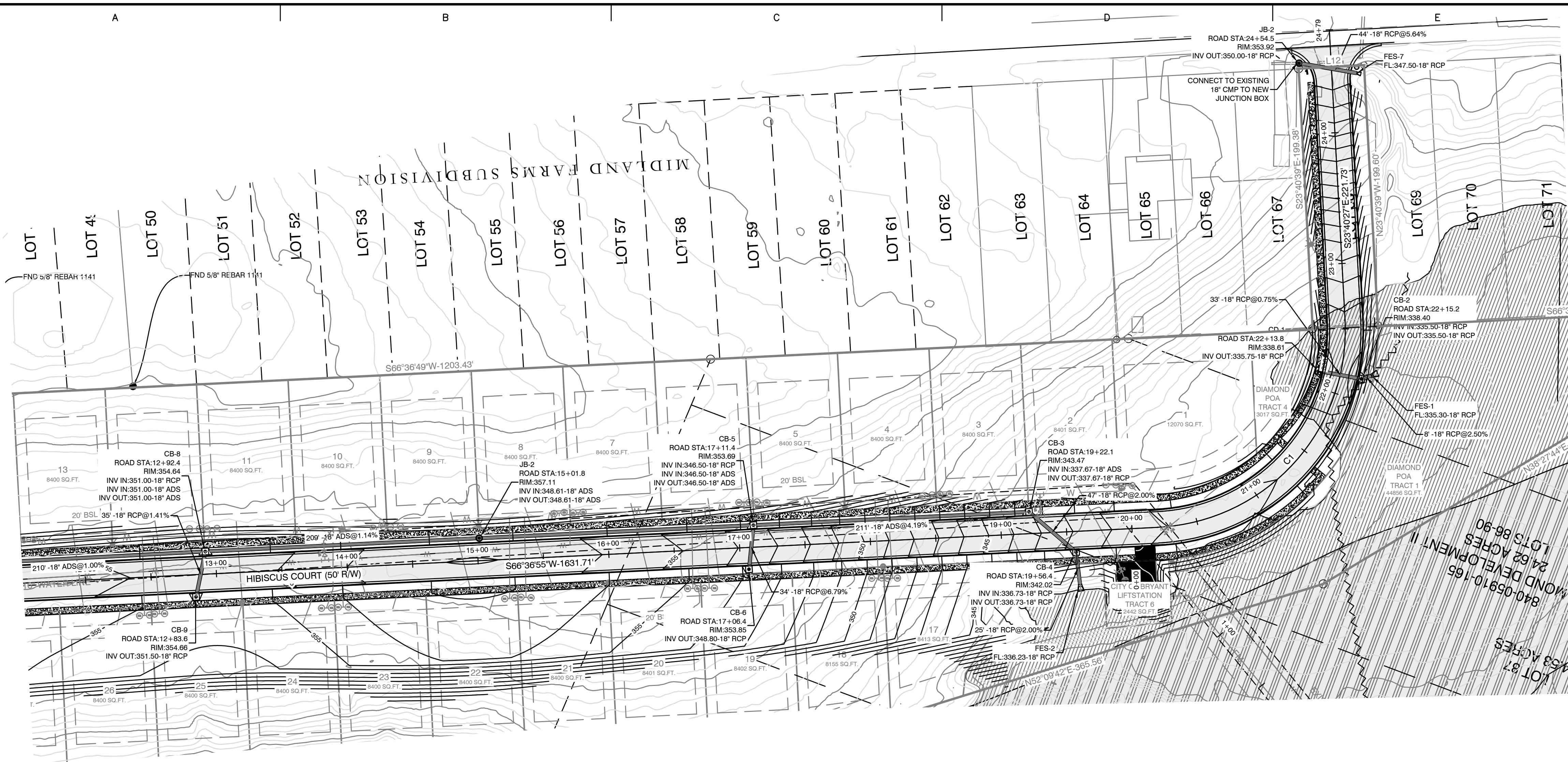


### HIBISCUS COURT PROFILE



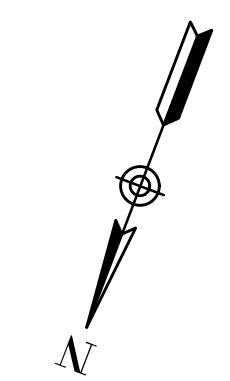
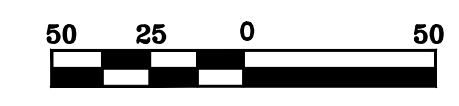
BY	
REVISION	
DATE	
<b>GarNat Engineering, LLC</b> P.O. Box 116 (72018) Ph (501) 408-4650 3825 Mt. Carmel Road Fx (888) 900-3068 Bryant, AR 72022 gamateengineering@gmail.com	
<b>DIAMOND ESTATES</b> PART OF THE SOUTHWEST QUARTER SECTION 12, T-1-S, R-14-W, SALINE COUNTY, ARKANSAS	
2-21-2023	
<b>CONTENTS:</b> HIBISCUS COURT PLAN & PROFILE 0+00-13+00	
PROJECT NO: 21206	
DATE: FEB 2023	
SHEET NO: <div style="font-size: 2em; font-weight: bold; text-align: center;">5</div>	



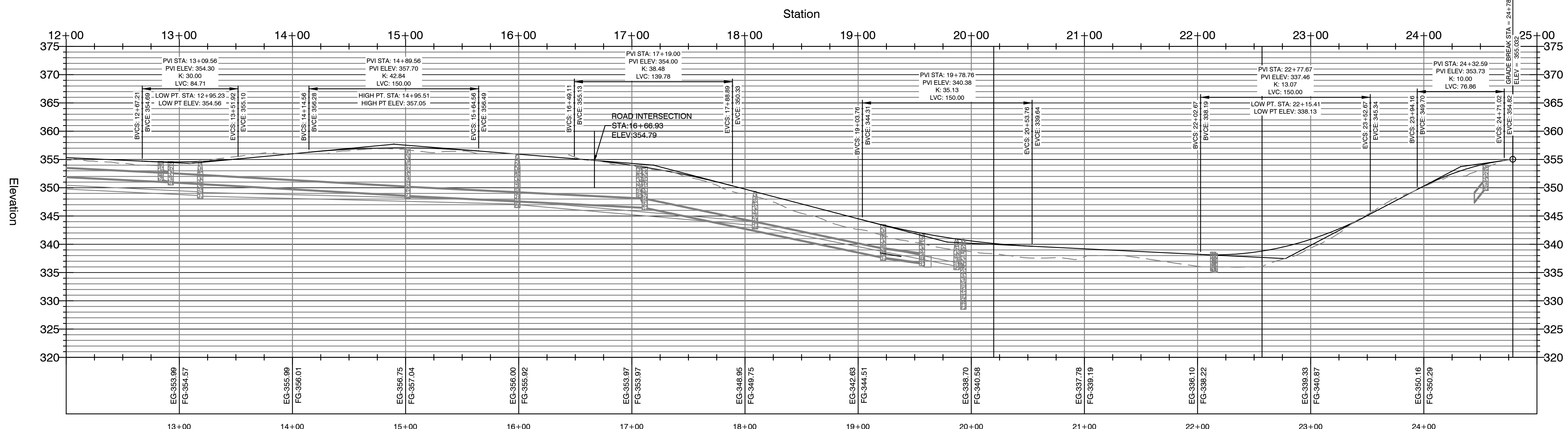


ROAD CURVE TABLE				
Curve #	Radius	ARC	CHORD	CHORD BEARING
C1	150.48	237.13	S21° 28' 13.90"W	S21° 28' 14"W
C2	75.00	84.19	S34° 27' 22.26"W	S34° 27' 22"W

LINE TABLE		
Line #	Length	Direction
L1	83.57	N28° 45' 19"E
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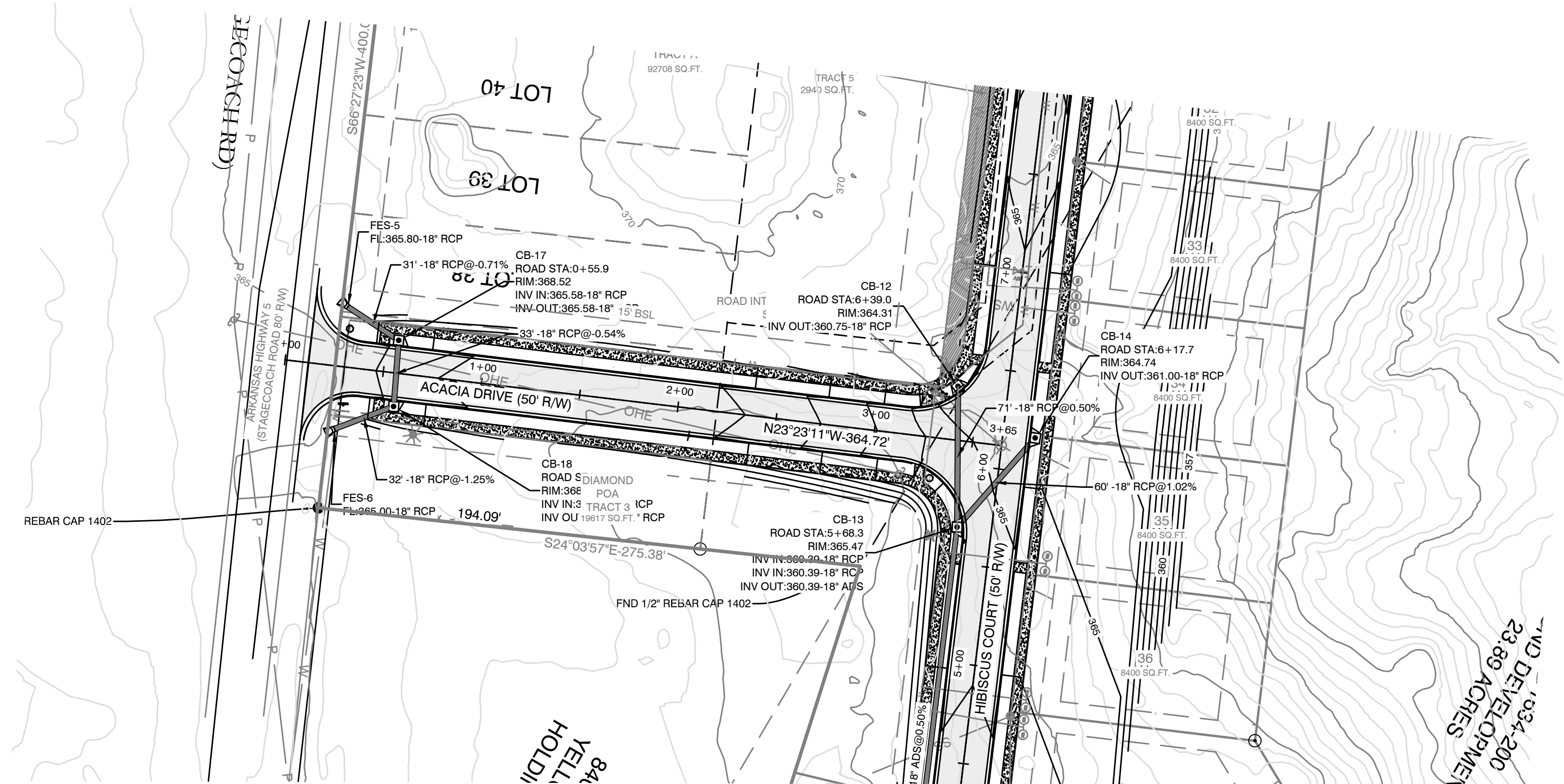


**HIBISCUS COURT PROFILE**

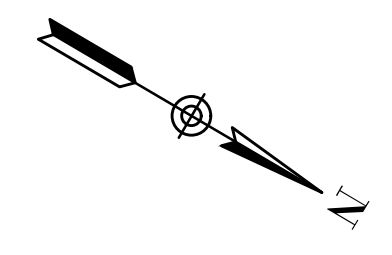
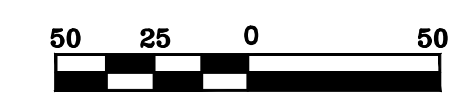


BY	
REVISION	
DATE	
<p><b>GNE</b> Designing our client's success</p> <p><b>GarNat Engineering, LLC</b>          P.O. Box 116 (72018) Ph (501) 408-4650          3925 Mt. Carmel Road Fx (888) 900-3068          Bryant, AR 72022 gnatengineering@gmail.com</p>	
<p><b>DIAMOND ESTATES</b></p> <p>PART OF THE SOUTHWEST QUARTER          SECTION 12, T-1-S, R-14-W,          SALINE COUNTY, ARKANSAS</p>	
<p>STATE OF ARKANSAS          REGISTERED PROFESSIONAL ENGINEER          NO. 9551          JERRY J. WILLIAMS</p>	
<p>2-21-2023</p>	
<p>CONTENTS:  <b>HIBISCUS COURT          PLAN &amp; PROFILE          0+00-13+00</b></p>	
<p>PROJECT NO:  <b>21206</b></p>	
<p>DATE:  <b>FEB 2023</b></p>	
<p>SHEET NO:  <b>6</b></p>	

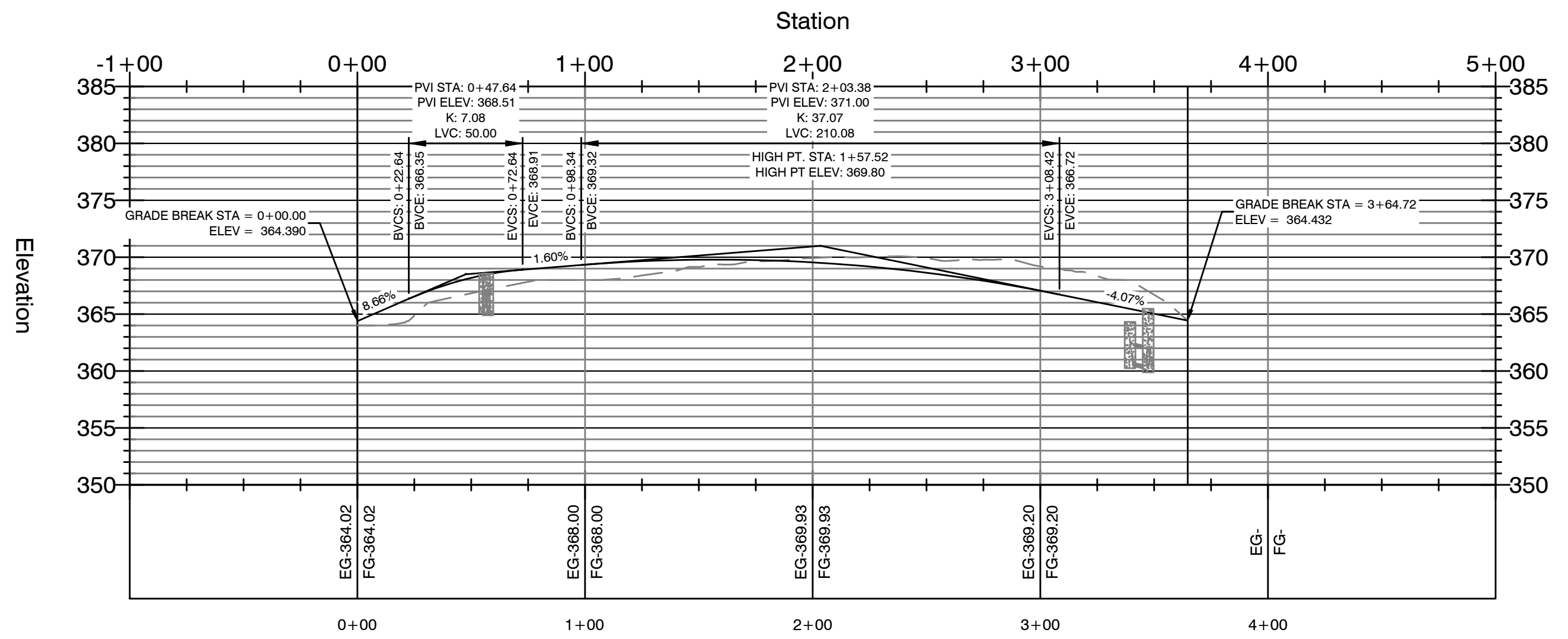




Line #	Length	Direction
L1	83.57	N28° 45' 19"E
L2	70.00	N2° 17' 50"E
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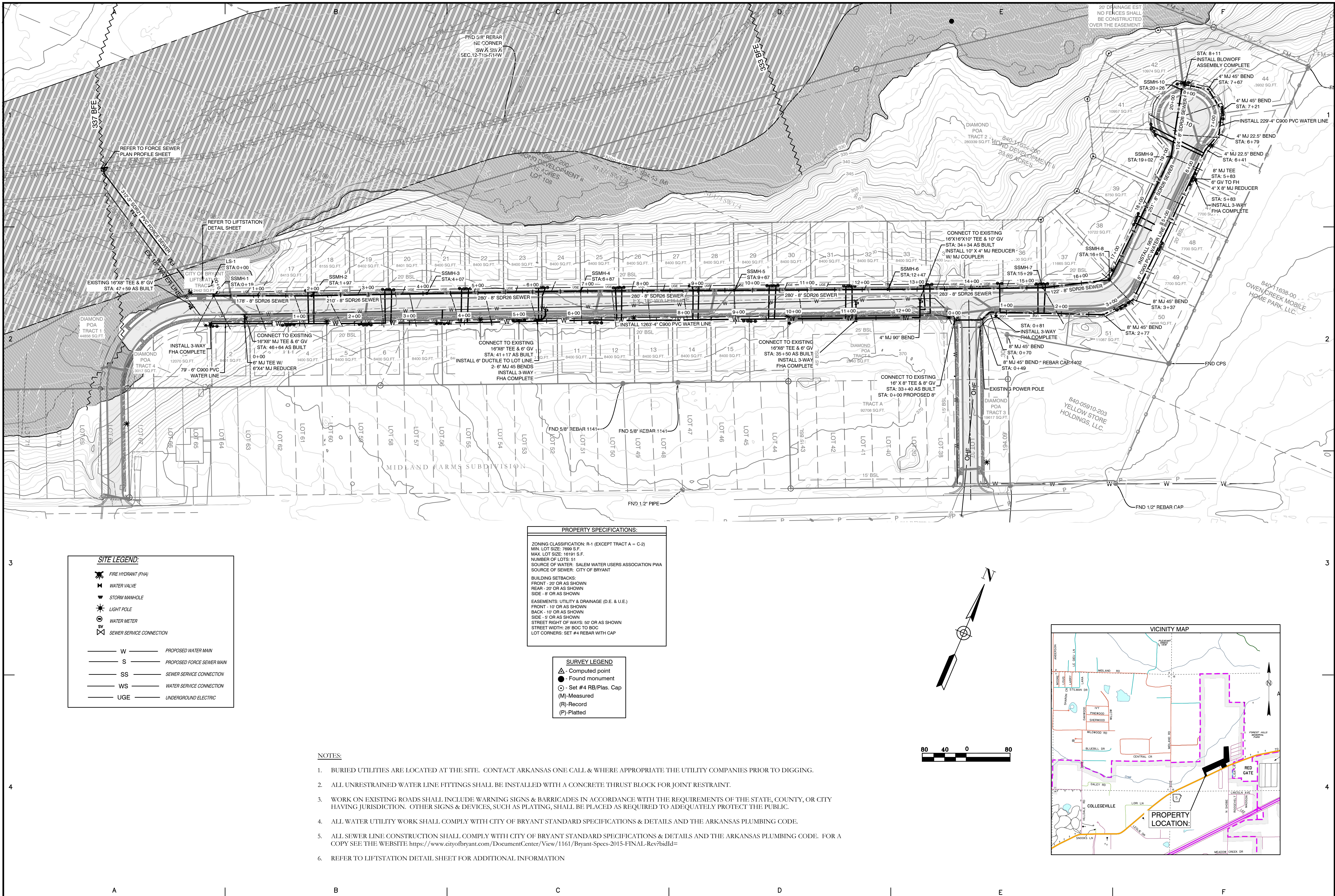
### ACACIA DRIVE PROFILE



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	
<b>GarNat Engineering, LLC</b> P.O. Box 116 (72018) Ph (501) 408-4650 3825 Mt. Carmel Road Fx (888) 900-3068 Bryant, AR 72022 gnatengineering@gmail.com					
<b>DIAMOND ESTATES</b> PART OF THE SOUTHWEST QUARTER SECTION 12, T-1-S, R-14-W, SALINE COUNTY, ARKANSAS					
2-21-2023					
CONTENTS: <b>ACACIA DR.          PLAN &amp;          PROFILE</b>					
PROJECT NO: 21206					
DATE: FEB 2023					
SHEET NO: <b>7</b>					





REVISION	DATE	BY

**GNE** Designing our client's success  
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 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



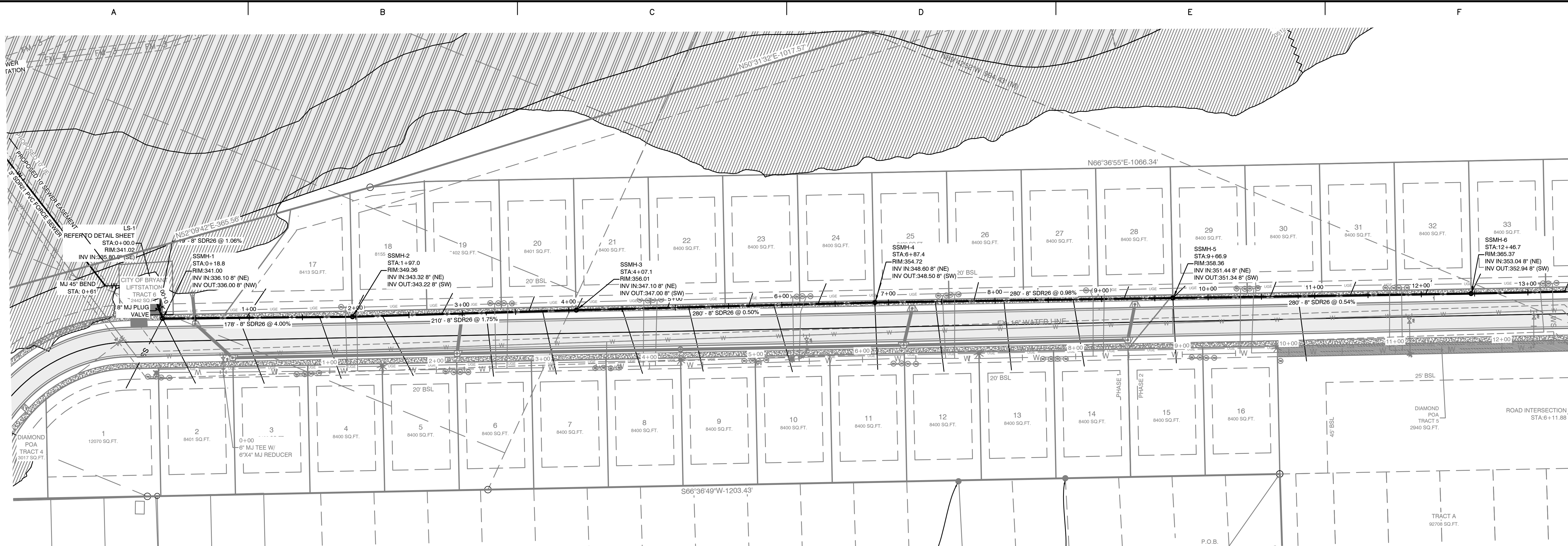
2-28-2023

CONTENTS:  
 UTILITY  
 PLAN  
 OVERALL

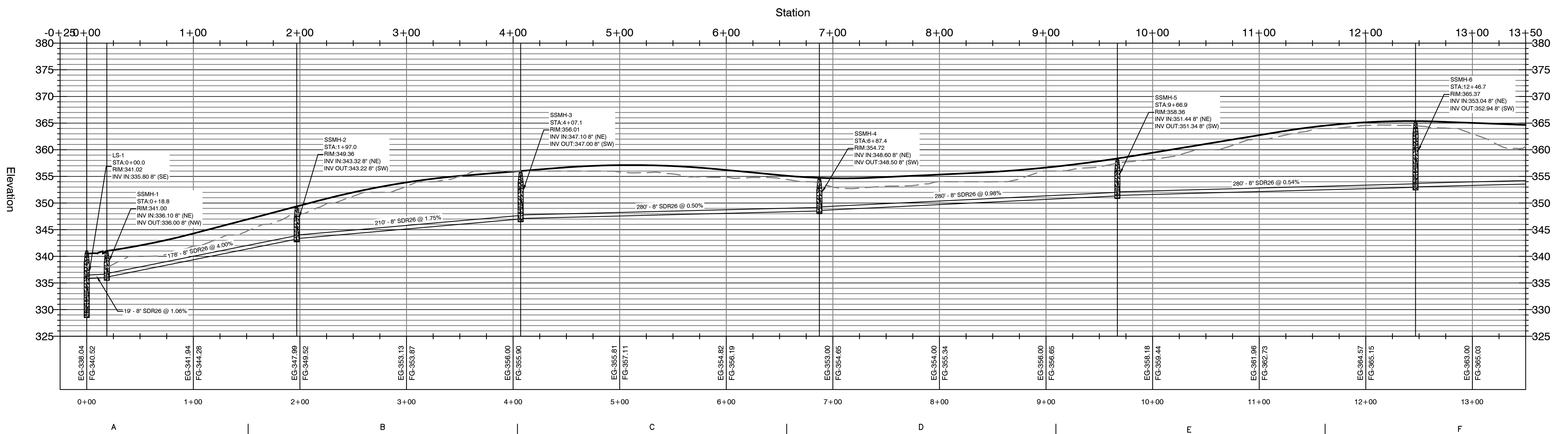
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 21206  
 DATE:  
 FEB 2023  
 SHEET NO:

8



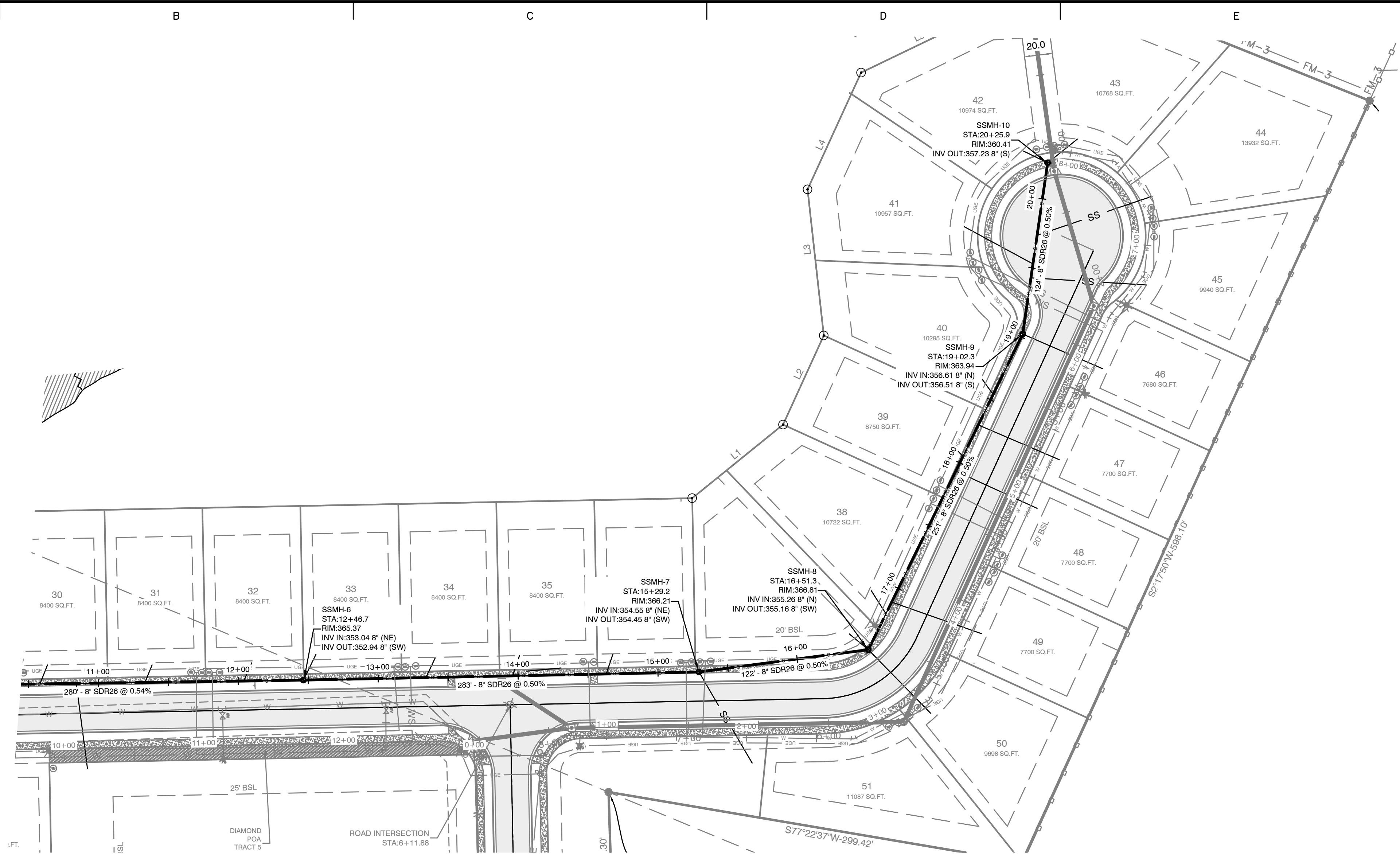


**SEWERMAIN-1 PROFILE**

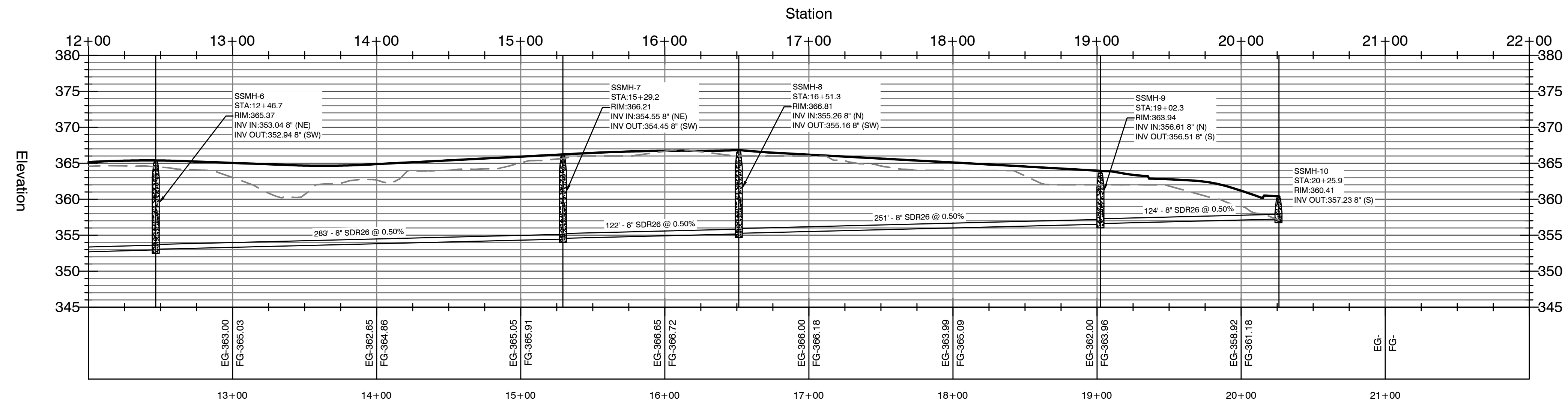


BY	
REVISION	
DATE	
<p><b>GNE</b> Designing our client's success  <b>GarNat Engineering, LLC</b>          P.O. Box 116 (72018) Ph (501) 408-4650          3925 Mt. Carmel Road Fx (888) 900-3068          Bryant, AR 72022 gnatengineering@gmail.com</p>	
<p><b>DIAMOND ESTATES</b>          PART OF THE SOUTHWEST QUARTER          SECTION 12, T-1-S, R-14-W,          SALINE COUNTY, ARKANSAS</p>	
<p>STATE OF ARKANSAS          REGISTERED PROFESSIONAL ENGINEER          NO. 9551          W. J. WILLIAMS</p>	
<p>2-21-2023</p>	
<p>CONTENTS:          SEWER MAIN 1          PLAN &amp;          PROFILE          0+00-13+00</p>	
<p>PROJECT NO:          21206</p>	
<p>DATE:          FEB 2023</p>	
<p>SHEET NO:  <b>9</b></p>	





**SEWERMAIN-1 PROFILE**



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 72022 gnatengineering@gmail.com

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



2-21-2023

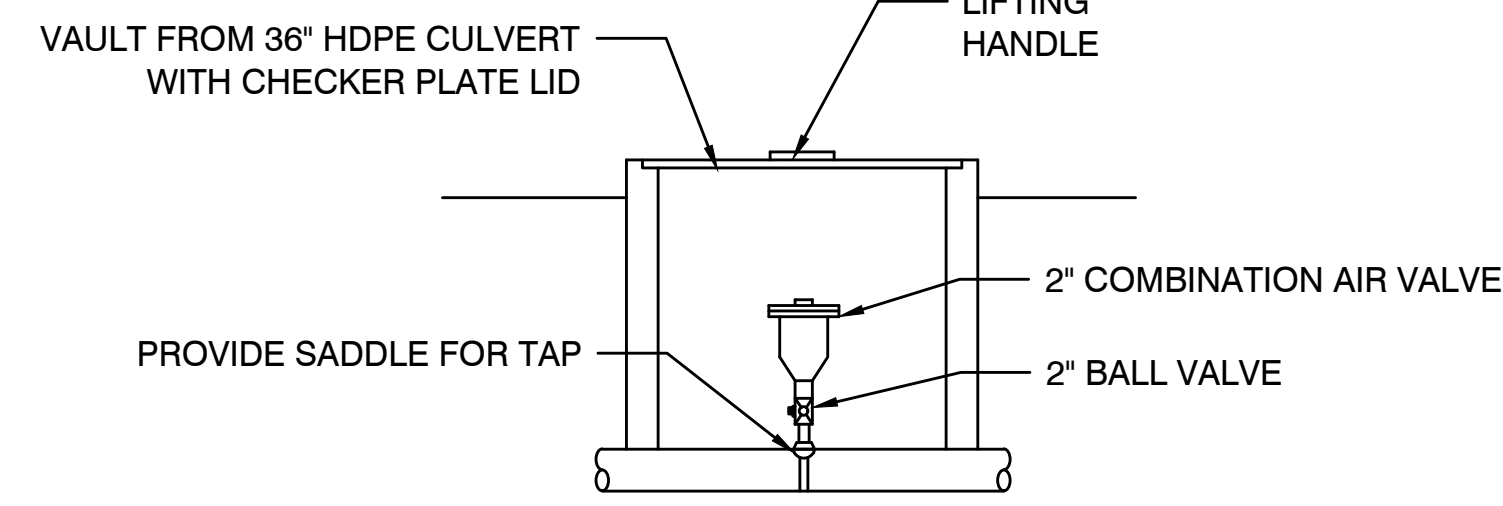
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 PLAN &  
 PROFILE  
 12+00-END**

PROJECT NO:  
 21206

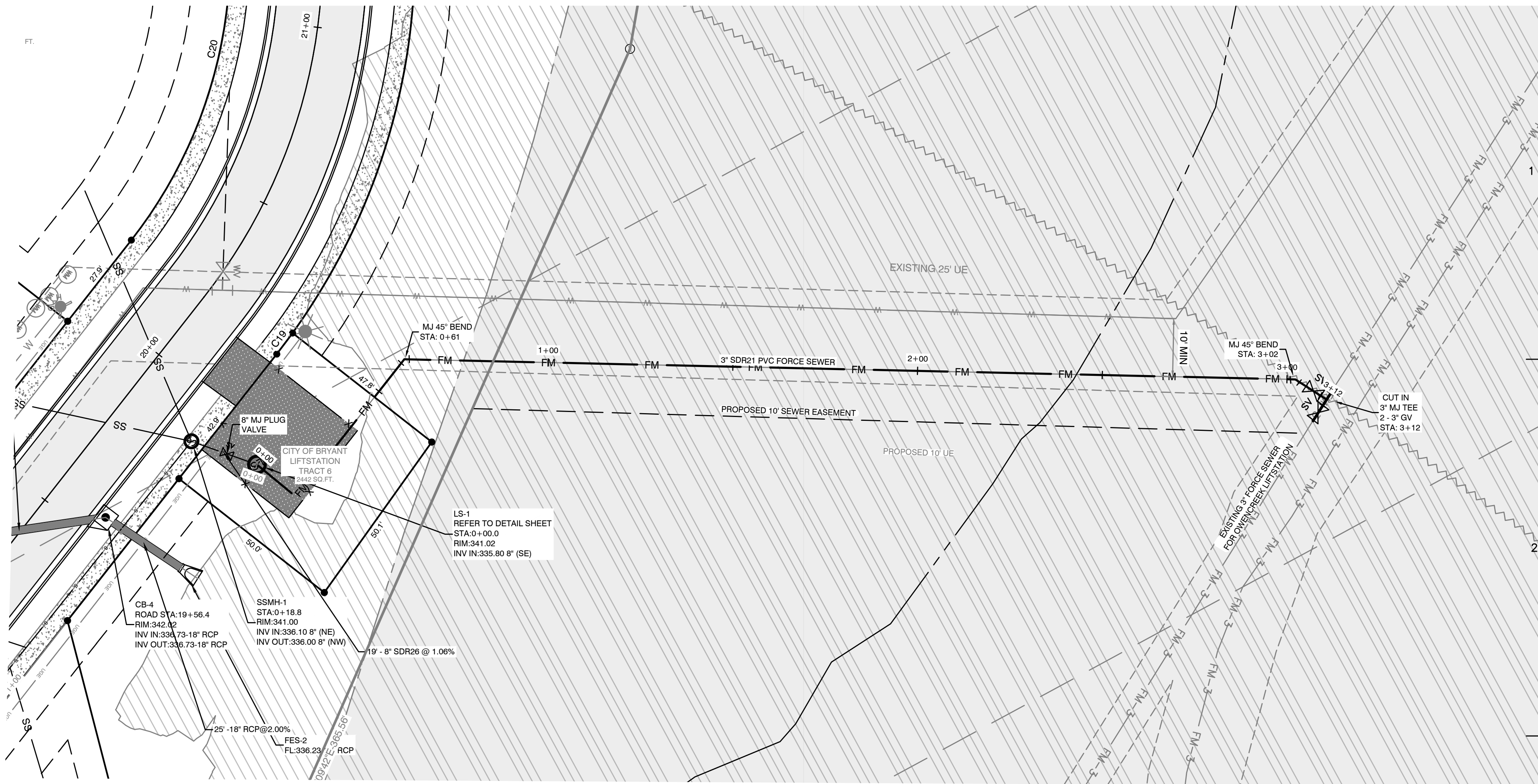
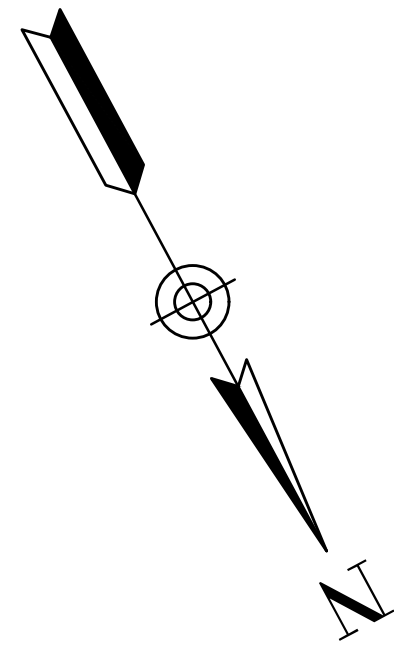
DATE:  
 FEB 2023

SHEET NO:  
**10**

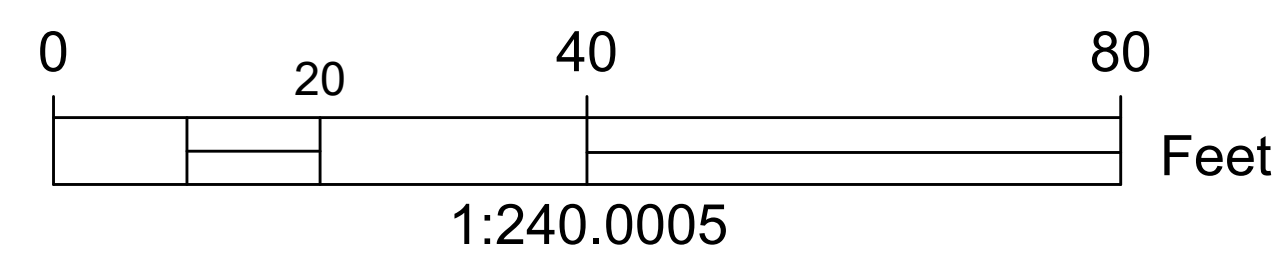
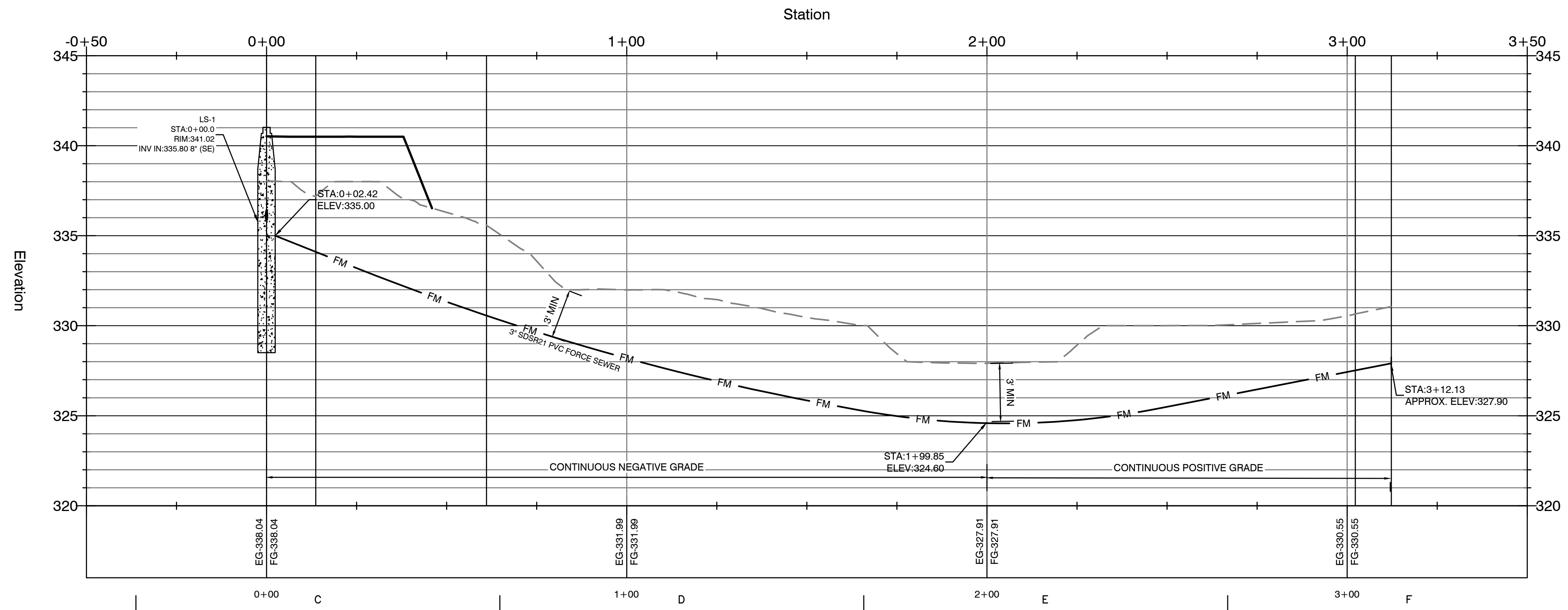




**2" COMB. AIR VALVE -  
DETAIL**  
N.T.S.

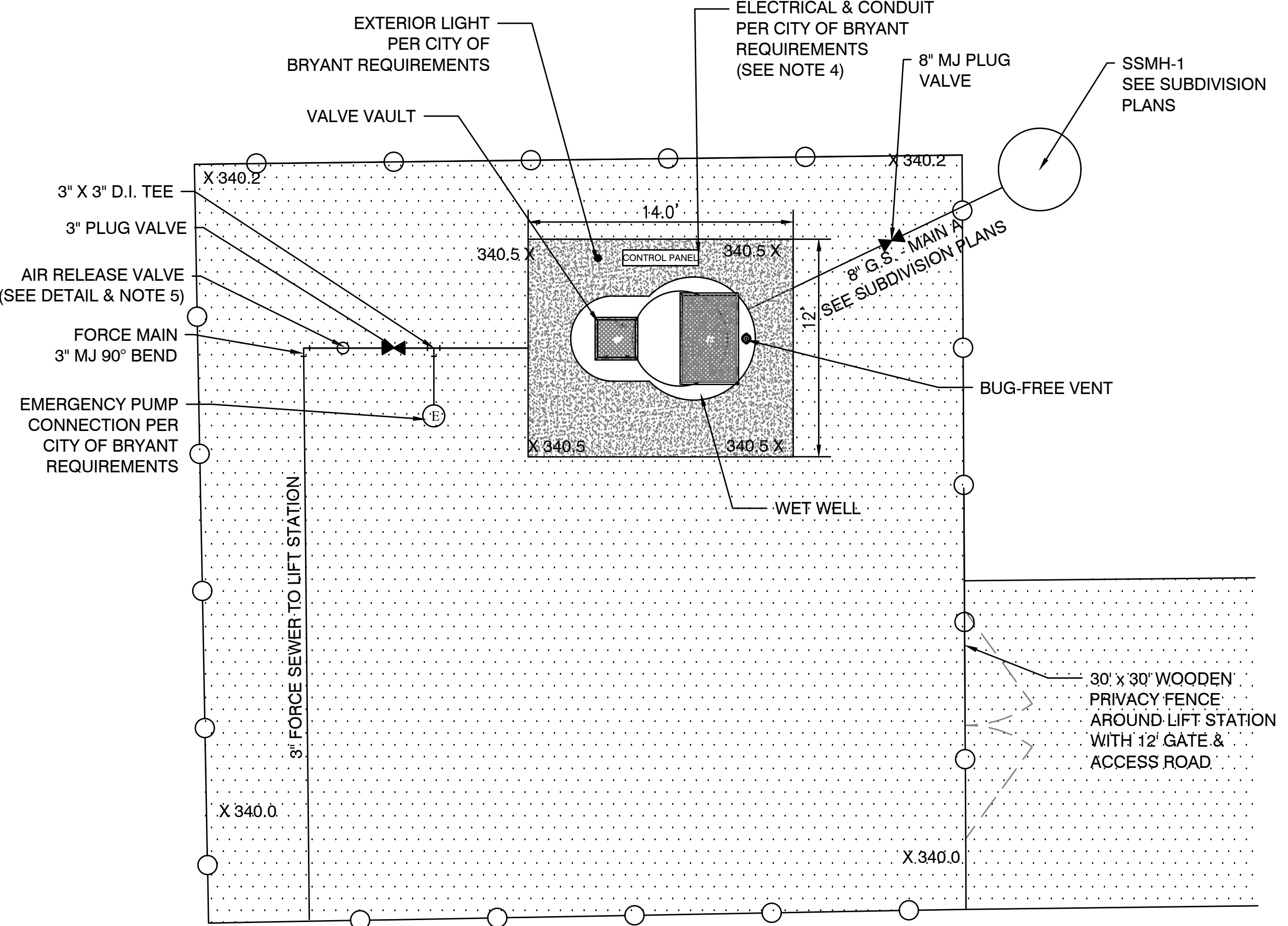


**FORCESEWER PROFILE**



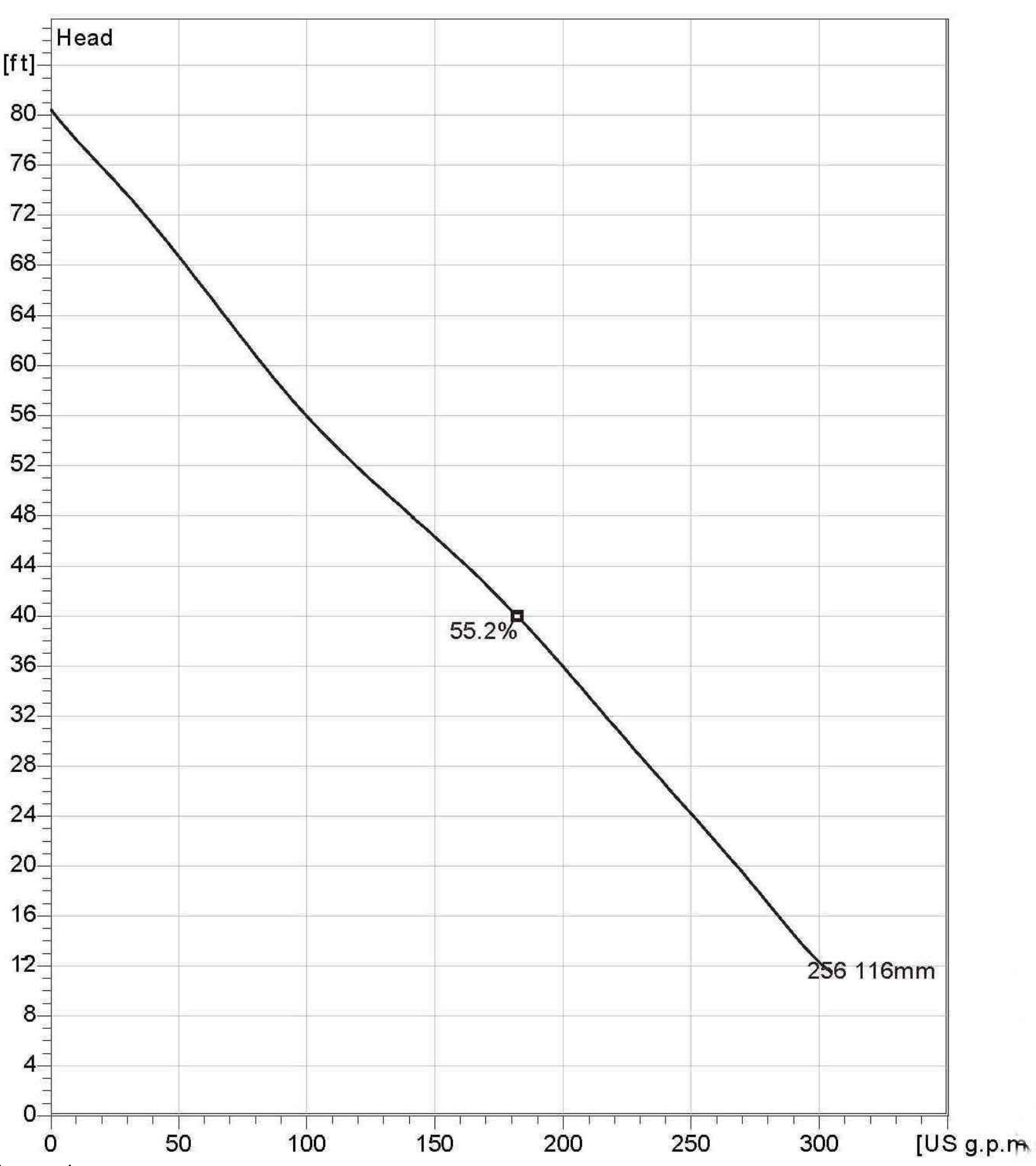
BY	
REVISION	
DATE	
<p>Designing our client's success</p> <p><b>GNE</b> GarNat Engineering, LLC</p> <p>P.O. Box 116 (72018) Ph (501) 408-4650          2909 Military Road Fx (888) 900-3068          Benton, AR 72015 gmatengineer@gmail.com</p>	
<p>DIAMOND ESTATES</p> <p>PART OF THE SOUTHWEST QUARTER          SECTION 12, T-1-S, R-14-W,          SALINE COUNTY, ARKANSAS</p>	
<p>STATE OF ARKANSAS</p> <p><i>Vernon J. Williams</i></p> <p>REGISTERED PROFESSIONAL ENGINEER</p> <p>NO. 9551</p> <p>VERNON J. WILLIAMS</p>	
<p>2-21-2023</p>	
<p>CONTENTS:</p> <p>LIFTSTATION PLAN &amp; PROFILE</p>	
<p>PROJECT NO: 21206</p>	
<p>DATE: FEB 2023</p>	
<p>SHEET NO: <b>11</b></p>	





**VALVE VAULT - PLAN**  
N.T.S.

**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.

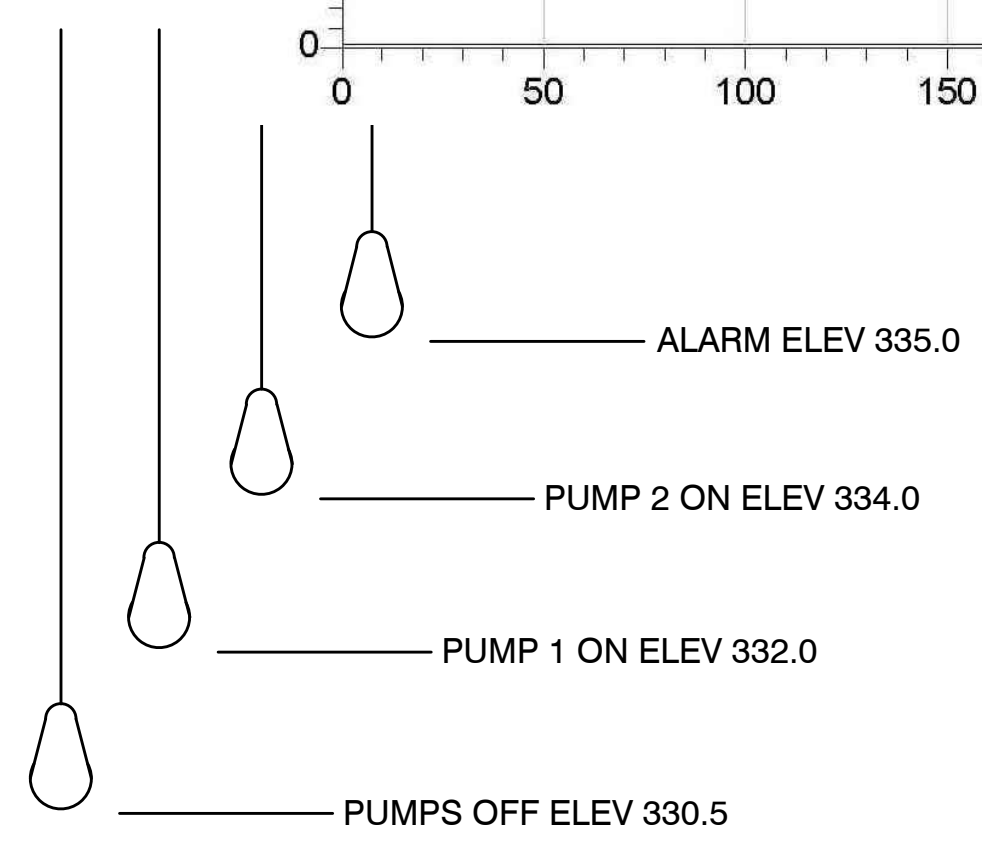
**Impeller**

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

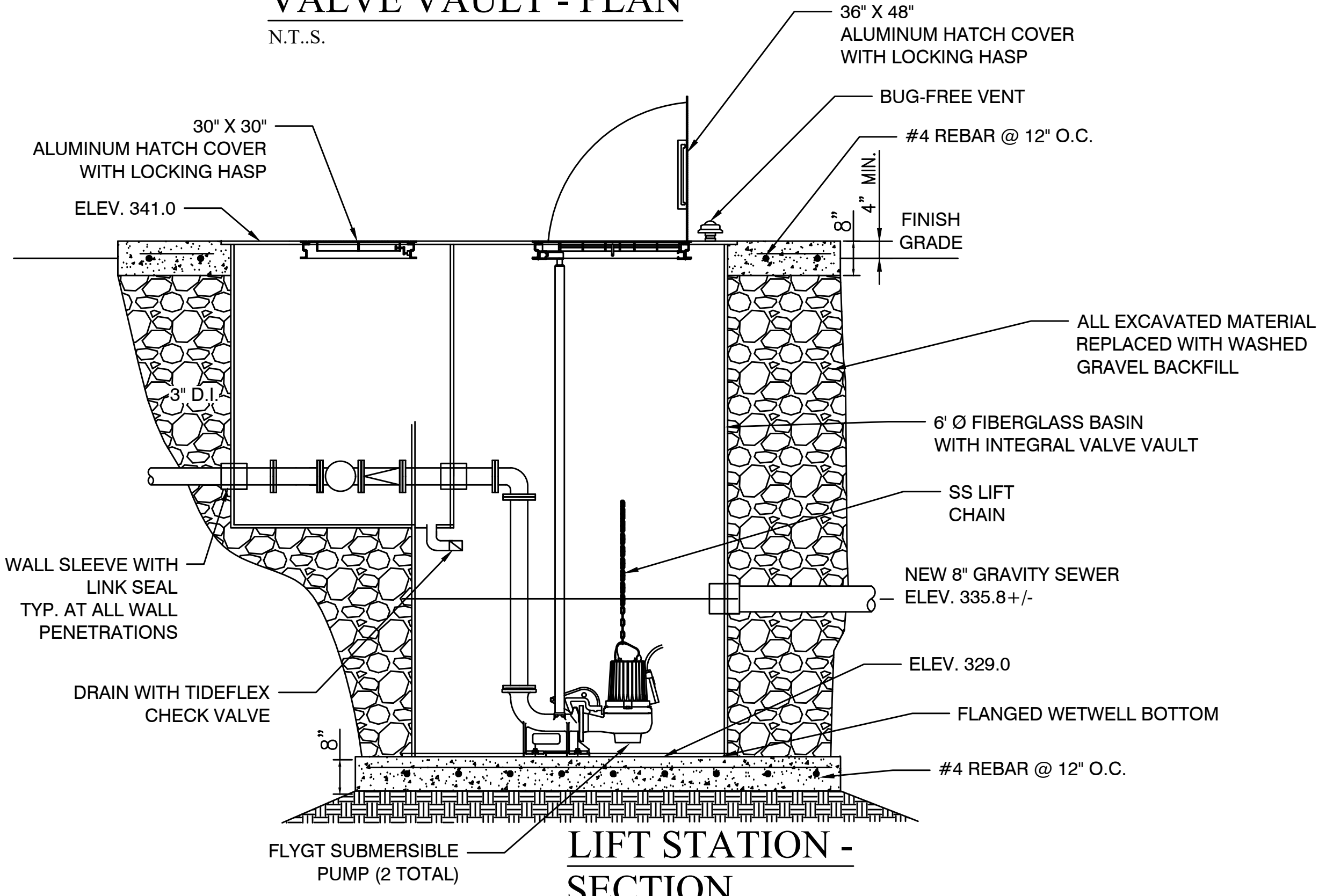
**Motor**

Motor #	N3085.183 15-09-2AL-W 4hp
Stator v ariant	12
Frequency	60 Hz
Rated v oltag e	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**

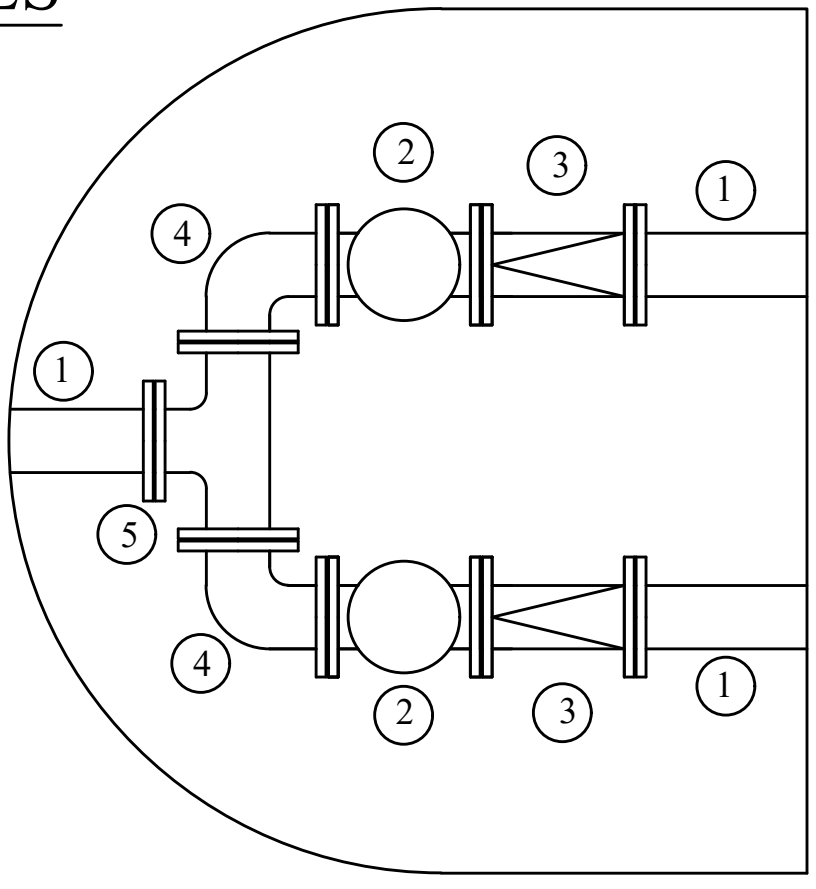


**LEVEL CONTROLS**  
N.T.S.



**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
REVISION	REVISE PER HEALTH DEPT.
<p><b>GNE</b> Designing our client's success</p> <p><b>GarNat Engineering, LLC</b> P.O. Box 116 (72018) Ph (501) 425-2771 406 W. South Street Fx (888) 900-3068 Benton, AR 72015 gamateengineering@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>2-21-2023</p>	
<p>CONTENTS:</p> <p>LIFT STATION DETAILS</p>	
<p>PROJECT NO: 21206</p>	
<p>DATE: FEB 2023</p>	
<p>SHEET NO: <b>12</b></p>	



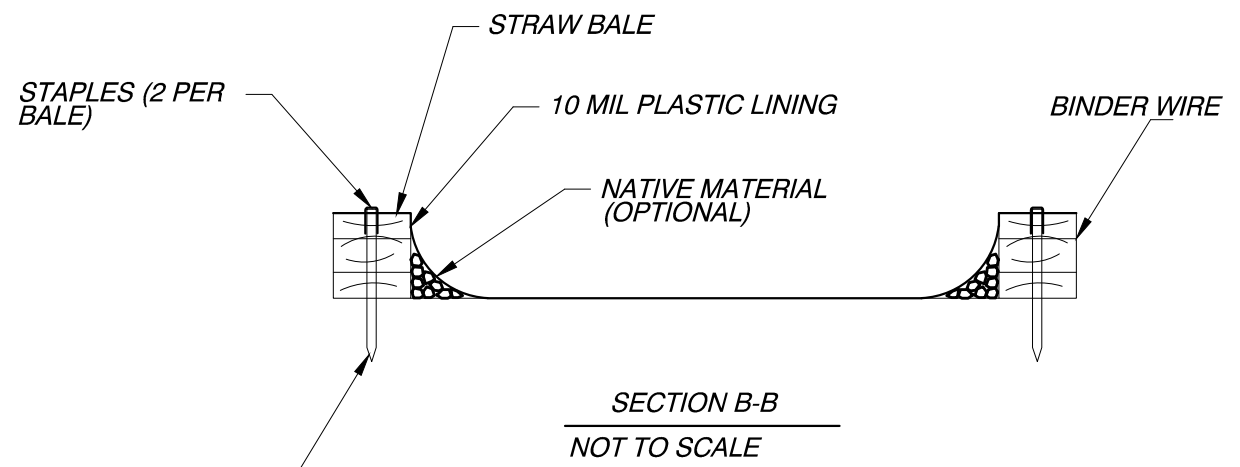
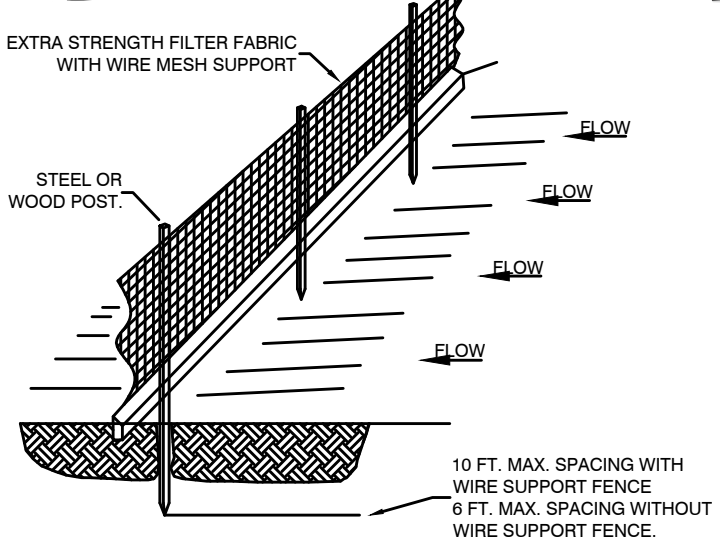
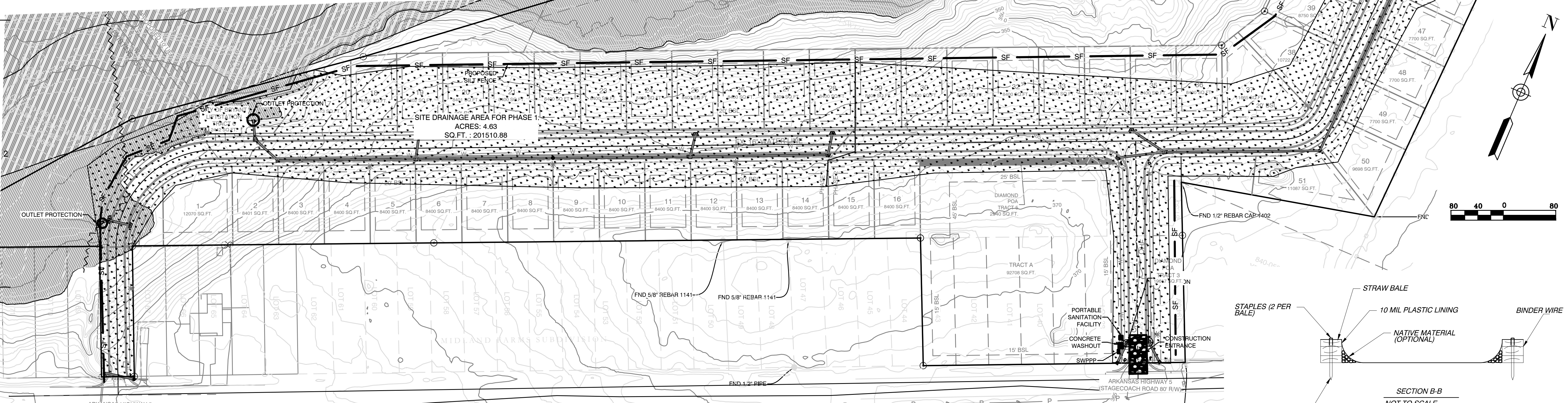
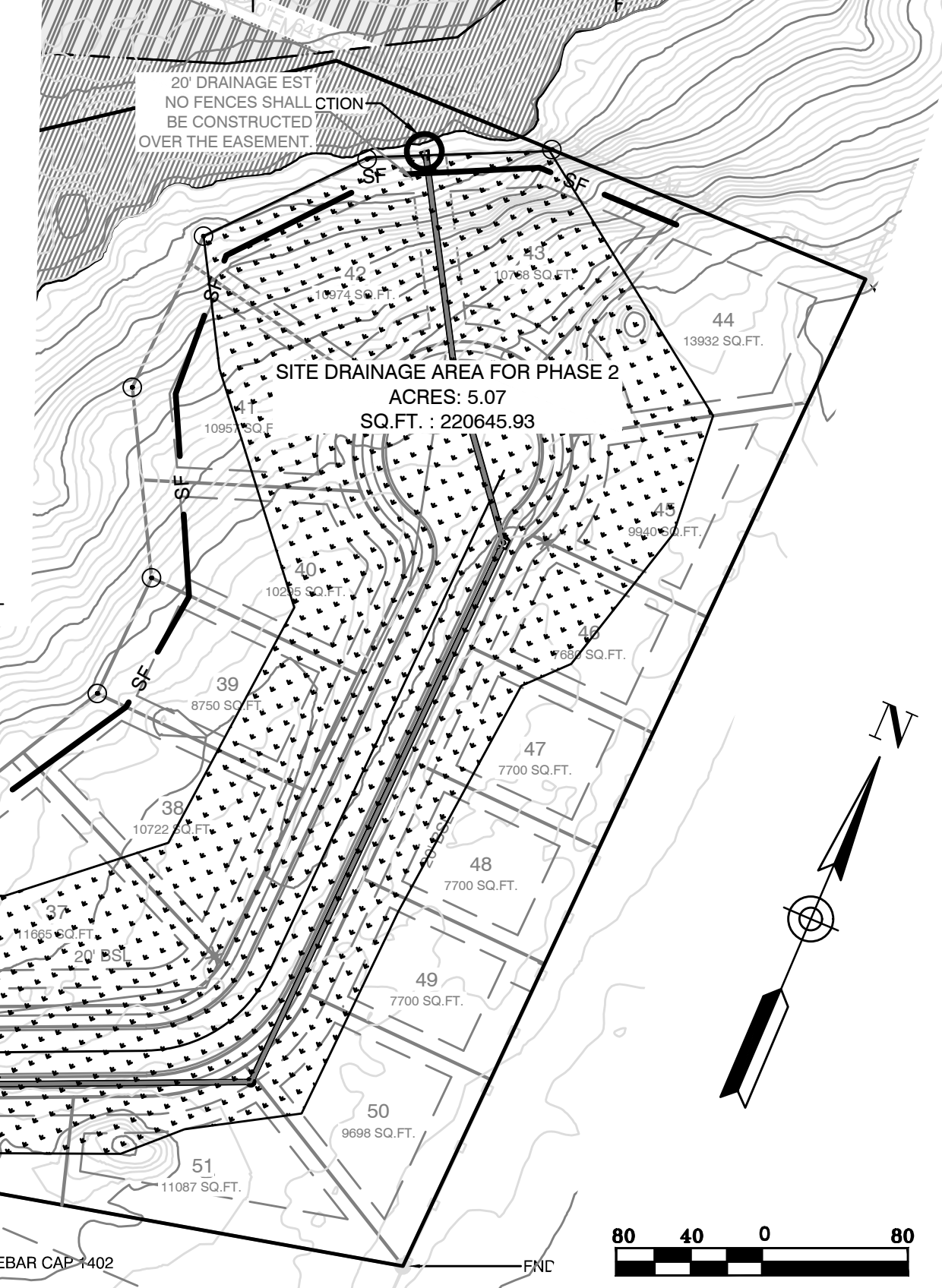
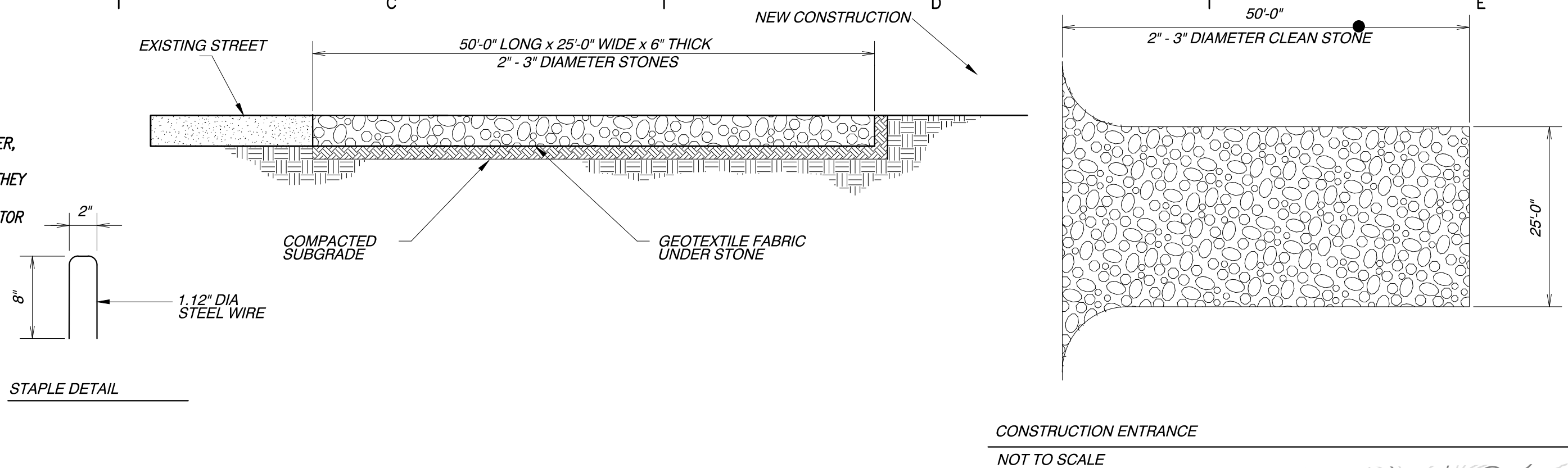
**SEQUENCE OF CONSTRUCTION:**

**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 POTTI, 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 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.

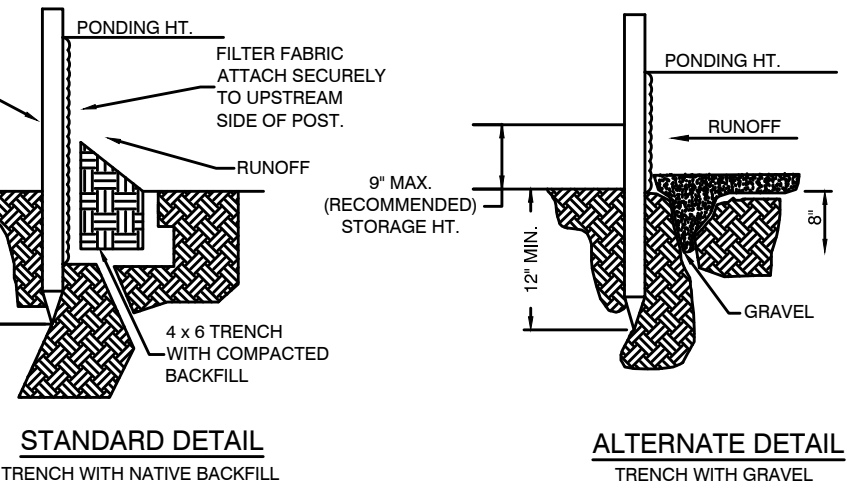
**PHASE II**

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)



**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.

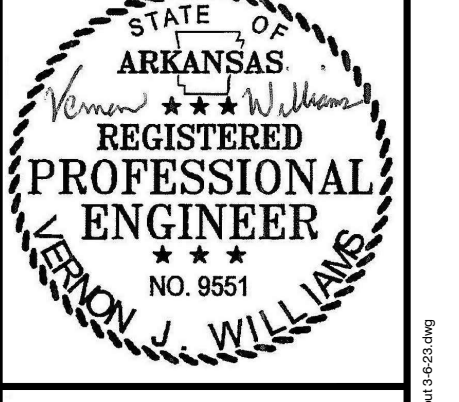


**SILT FENCE**

- 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 CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

BY	
REVISION	
DATE	
<p><b>GNE</b> Designing our client's success  <b>GarNat Engineering, LLC</b>                  P.O. Box 116 (72018) Ph (501) 408-4650                  3825 Mt. Carmel Road Fx (888) 900-3068                  Bryant, AR 72022 gnatengineering@gmail.com</p>	

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



2-21-2023

CONTENTS:  
**EROSION CONTROL PLAN**

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