



# Bryant Development and Review Committee Meeting

Boswell Municipal Complex - City Hall Conference Room

210 SW 3rd Street

**Date:** June 15, 2023 - **Time:** 9:00 AM

## Call to Order

## Old Business

### 1. Coral Ridge Subdivision Lots 7 & 8 - Modification for Sidewalk Location

*Jeremiah Oltman - Requesting Recommendation for Approval of Modification from Code for sidewalks to be located at back of curb*

- [0596-FPL-01.pdf](#)

## New Business

### 2. Bryant Highschool - New Fencing

*Lewis Architects Engineers - Requesting Approval for New Fencing at Bryant Highschool*

- [0744-SPECS-01.pdf](#)
- [0744-PLN-01.pdf](#)

### 3. Five Star Fireworks - 23395 I-30 - Temporary Business Permit

*Mark Bradford - Requesting Approval for Temporary Business Permit*

- [0742-APP-01.pdf](#)

### 4. Five Star Fireworks - 5041 HWY 5 - Temporary Business Permit

*Mark Bradford - Requesting Approval for Temporary Business Permit*

- [0741-APP-01.pdf](#)

### 5. Arnold Fireworks - 604 N Reynolds Road - Temporary Business Permit

*Terry Harper - Requesting Approval for Temporary Business Permit*

- [0746-APP-02.pdf](#)
- [0746-APP-01.pdf](#)

### 6. Arnold Fireworks - 2703 Springhill Road - Temporary Business Permit

*Terry Harper - Requesting Approval for Temporary Business Permit*

- [0747-APP-01.pdf](#)

### 7. Saratoga Place Subdivision - Final Plat

*GarNat Engineering - Requesting Recommendation for Final Plat Approval*

- [0745-LTR-03.pdf](#)
- [0745-PLT-01.pdf](#)
- [0745-LTR-02.pdf](#)
- [0745-LTR-01.pdf](#)
- [0745-SWR-01.pdf](#)
- [0745-APP-01.pdf](#)
- [0745-DRN-01.pdf](#)

**8. REQUEST TO ADD: Hilltop Landing Subdivision - Preliminary Plat**

*Hope Consulting - Requesting Recommendation for Approval of Preliminary Plat*

- [0690-MTN-02.pdf](#)
- [0690-DRN-03.pdf](#)
- [0690-SWP-02.pdf](#)
- [0690-PLN-04.pdf](#)
- [0690-RSP-02.pdf](#)

**9. REQUEST TO ADD: Accutrac Spray Equipment - 105 SW 4th - Site Plan Additions**

*Joe Fast - Requesting Approval for New Carport and Fencing on Site*

- [0748-PLN-01.pdf](#)
- [0748-APP-01.pdf](#)

**Staff Approved**

**10. Restore - Habitat for Humanity - 3801 HWY 5 - Sign Permit**

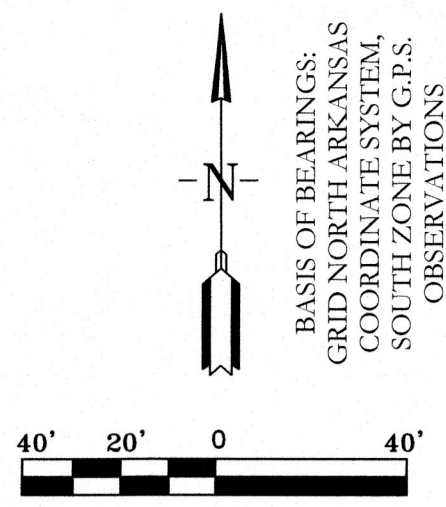
*Velocity Graphics - Requesting Sign Permit Approval - STAFF APPROVED*

- [0736-APP-01.pdf](#)

**Permit Report**

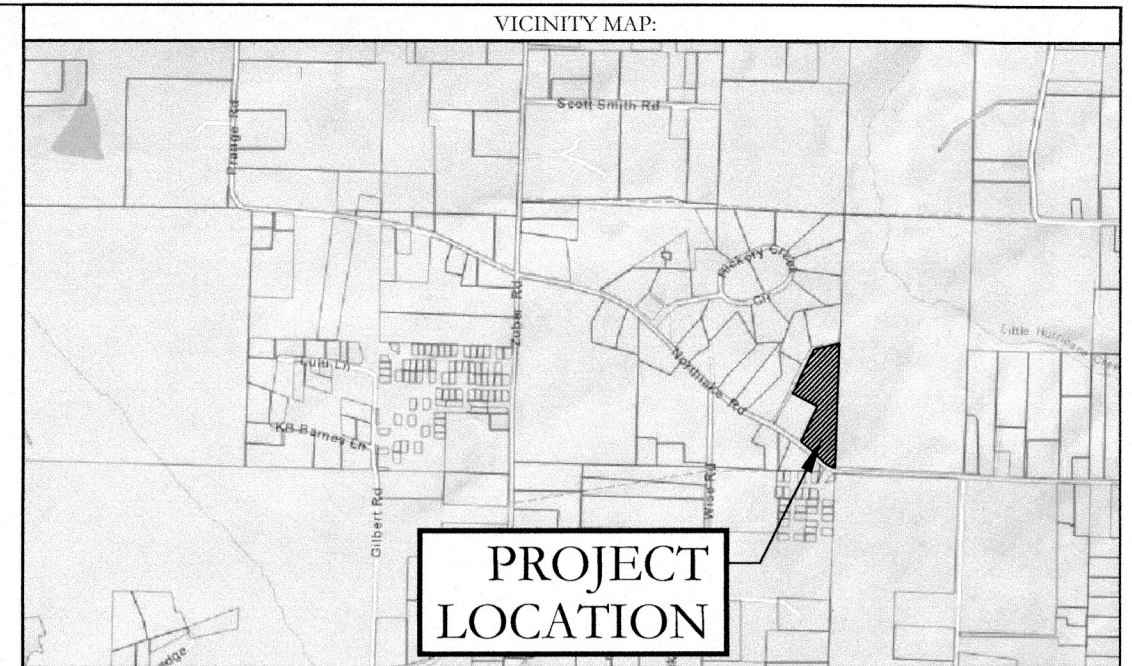
**Adjournments**





HIGHFILL JEFFERSON JR & ELIZABETH SALINE COUNTY TAX PARCEL #840-11623-013

END UTILITY POLE FENCE CORNER NE CORNER OF THE SW/4 OF THE NE/4, S-07, T-1-S, R-14-W



**LEGAL DESCRIPTION:**  
 A PART OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 7, TOWNSHIP 1 SOUTH, RANGE 14 WEST, SALINE COUNTY, ARKANSAS; MORE PARTICULARLY DESCRIBED AS FOLLOWS:  
 COMMENCING AT THE SOUTHWEST CORNER OF THE SAID SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 7; THENCE N 02°25'55" E, ALONG THE EAST LINE THEREOF, A DISTANCE OF 15.10 FEET TO A POINT ON THE CENTERLINE OF NORTHLAKE ROAD BEING THE POINT OF BEGINNING OF HEREIN DESCRIBED TRACT OF LAND; THENCE N01°57'47" E, A DISTANCE OF 35.86 FEET TO A POINT ON AN EXISTING FENCE; THENCE ALONG SAID FENCE LINE THE FOLLOWING CALLS: N01°57'30" E 648.56 FEET; THENCE N02°08'28" E, A DISTANCE OF 633.36 FEET TO A UTILITY POLE FENCE CORNER, ACCEPTED AS THE NORTHEAST CORNER OF THE SAID SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 7; THENCE LEAVING SAID FENCE LINE, S 77°42'07" W, A DISTANCE OF 295.64 FEET TO A 1.5 INCH SHAFT; THENCE S 27°20'16" W, A DISTANCE OF 492.79 FEET TO A 1/2 REBAR AND CAP (PS #1081); THENCE S 62°12'40" E, A DISTANCE OF 318.91 FEET TO A POINT IN THE CENTER OF NORTHLAKE ROAD; THENCE ALONG THE CENTERLINE OF NORTHLAKE ROAD THE FOLLOWING COURSES: S 54°12'24" E 119.54 FEET; THENCE S 45°52'00" E 181.70 FEET; THENCE S 53°37'24" E 93.64 FEET; THENCE S 68°03'06" E A DISTANCE OF 86.69 FEET TO THE POINT OF BEGINNING, CONTAINING 409,353 SQUARE FEET OR 9.40 ACRES, MORE OR LESS.

**NOTE:**  
 TRACTS A & B WILL BE AN EASEMENT UTILIZED FOR DRAINAGE, UTILITIES AND ACCESS.

Curve #	Delta	Chord B & D	Arc Length	Arc Radius
C1	99°45'49"	N75°53'58"E 38.24'	43.53'	25.00'
C2	89°29'06"	N17°28'07"W 70.39'	78.09'	50.00'
C3	40°01'33"	N82°13'26"W 17.11'	17.46'	25.00'
C4	61°00'50"	N71°43'47"W 50.76'	53.24'	50.00'
C5	45°10'47"	N18°37'58"W 38.41'	39.43'	50.00'
C6	63°24'23"	N35°39'37"E 52.55'	55.33'	50.00'
C7	39°33'16"	N47°35'10"E 16.92'	17.26'	25.00'
C8	33°31'47"	N47°11'29"E 34.61'	35.11'	60.00'
C9	49°37'26"	N88°46'06"E 50.36'	51.97'	60.00'
C10	39°41'09"	S46°34'37"E 40.73'	41.56'	60.00'
C11	53°32'50"	S0°02'23"W 54.06'	54.06'	60.00'
C12	80°21'41"	S66°59'39"W 77.42'	84.15'	60.00'
C13	56°53'08"	S78°43'56"W 23.81'	24.82'	25.00'
C14	22°59'17"	S38°47'43"W 9.96'	10.03'	25.00'
C15	89°32'55"	S17°26'12"E 70.43'	78.15'	50.00'
C16	62°47'00"	N58°39'56"E 26.04'	27.39'	25.00'
C17	76°37'16"	N7°26'17"W 31.00'	33.43'	25.00'
C18	37°45'21"	S8°23'46"W 48.53'	49.42'	75.00'
C19	10°20'59"	S84°41'35"W 27.06'	27.10'	150.00'
C20	51°43'45"	S36°20'47"E 65.44'	67.71'	75.00'
C21	44°42'30"	S4°55'03"W 57.05'	58.52'	75.00'
C22	44°42'30"	S4°55'03"W 57.05'	58.52'	75.00'
C25	0°01'40"	S54°12'17"E 0.01'	0.01'	25.00'
C26	99°45'49"	S75°53'58"W 38.24'	43.53'	25.00'

**NOTES:**  
 1. NO ABOVE GROUND UTILITIES TO BE CONSTRUCTED WHERE HATCHED AREA IS DRAINAGE & ACCESS EASEMENT.

Line #	Direction	Length
L1	N79°31'05"E	10.52'
L2	N89°52'04"E	12.73'
L3	N72°33'48"E	20.18'
L4	N62°41'55"W	35.06'
L5	S62°12'40"E	21.55'

2022-027345  
 I certify this instrument was filed on 12/07/2022 11:02:30 AM Myka Bono Sample Saline County Circuit Clerk

Pages: 1  
 C ANDERSON

**CERTIFICATE OF AUTHORIZATION**  
 HOPE CONSULTING, INC.  
 No. 1931  
 ARKANSAS

**STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER**  
 WILLIAM W. McFADDEN  
 No. 14048

**REGISTERED PROFESSIONAL LAND SURVEYOR**  
 JONATHAN L. HOPE  
 No. 1762

**LEGEND**  
 - Found Aliquot Corner  
 - Computed point  
 - Found monument  
 - Set #4 RB/Plas. Cap(SIP)  
 (M) - Measured  
 (R) - Record  
 (P) - Platted  
 - Street Light  
 - Fire Hydrant  
 - Stop Sign  
 - No Parking Sign

**CERTIFICATIONS:**  
**OWNER:** OLTMANS DEVELOPMENT  
 Name: OLTMANS DEVELOPMENT  
 Address: 1930 N REYNOLDS ROAD STE 1P BRYANT, AR 72022  
**DEVELOPER:** OLTMANS DEVELOPMENT  
 Name: OLTMANS DEVELOPMENT  
 Address: 1930 N REYNOLDS ROAD STE 1P BRYANT, AR 72022

**CERTIFICATE OF OWNER:**  
 We, the undersigned, owners of the real estate shown and defined herein do hereby certify that we have caused to be laid off, planted and subdivided, and to hereby lay off, plat and subdivide said real estate in accordance with the plat.  
 Date of Execution: 11/14/2022  
 Name: Jonathan L. Hope, Registered Professional Land Surveyor No. 1762, Arkansas

**CERTIFICATE OF SURVEYING ACCURACY:**  
 I, Jonathan L. Hope, 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 location, size, type and material are correctly shown; and that all interior lot lines have been adjusted to "best conditions" and are accurately described on the plat and identified on the ground by length and direction of the property side as required in accord with the City of Bryant Subdivision Regulation Ordinance.  
 Date of Execution: 11/14/2022  
 Name: William W. McFadden, Registered Professional Engineer, No. 14048, Arkansas

**CERTIFICATE OF FINAL ENGINEERING ACCURACY:**  
 I, William W. McFadden, hereby certify that this plat correctly represents a plan made by me, and that the engineering requirements of the City of Bryant Subdivision Rules and Regulations have been followed.  
 Date of Execution: 11-14-2022  
 Name: William W. McFadden, Registered Professional Engineer, No. 14048, Arkansas

**CERTIFICATE OF FINAL APPROVAL:**  
 Pursuant to the City of Bryant Subdivision Rules and Regulations, this document was given approval by the Bryant Planning Commission at a meeting held \_\_\_\_\_, 20\_\_\_\_. All of the documents is hereby accepted, and this certificate executed under the authority of said rules and regulations.  
 Date of Execution: 12-5-22  
 Name: Rick Johnson, Bryant Planning Commission

**PROPERTY SPECIFICATIONS:**  
**OWNER:** OLTMANS DEVELOPMENT  
 1930 N REYNOLDS ROAD STE 1P BRYANT, AR 72022  
**DEVELOPER:** OLTMANS DEVELOPMENT  
 1930 N REYNOLDS ROAD STE 1P BRYANT, AR 72022  
**ENGINEERS:** HOPE CONSULTING, INC.  
 171 S MARKET STREET BENTON, AR 72015  
**NAME OF SUBDIVISION:** CORAL RIDGE  
**ZONING:** R-2  
**INSTRUMENT #:** 2021-02914

**NUMBER OF LOTS:** 30  
**SOURCE OF WATER:** WATER USERS  
**SOURCE OF SEWER:** CITY OF BRYANT  
**SOURCE OF ELECTRIC:** FIRST ELECTRIC  
**BUILDING SETBACKS:** FRONT: 25' OR AS SHOWN REAR: 25' OR AS SHOWN SIDE: 8' OR AS SHOWN  
**UTILITY & DRAINAGE EASEMENTS:** FRONT: 10' OR AS SHOWN REAR: 5' OR AS SHOWN SIDE: 5' OR AS SHOWN

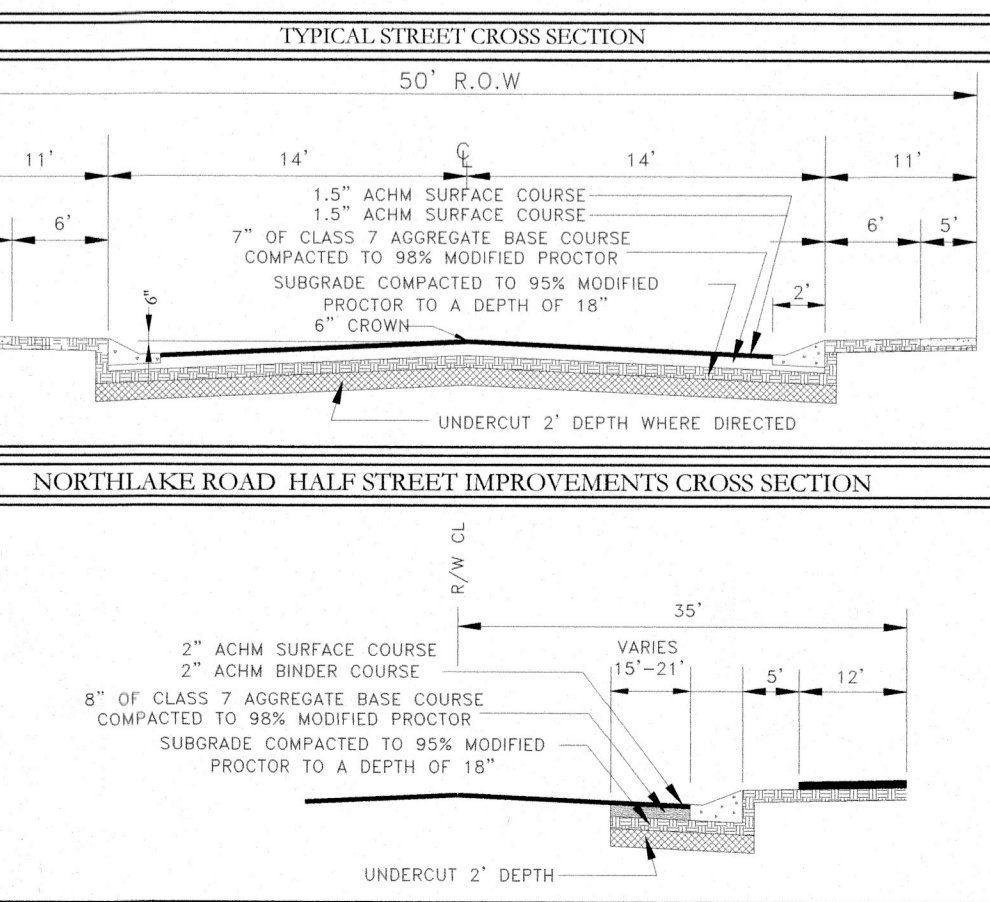
**HOPE CONSULTING ENGINEERS - SURVEYORS**  
 117 S. Market Street, Benton, Arkansas 72015  
 PH. (501)315-2626  
 FAX (501) 315-0024  
 www.hopeconsulting.com

**FOR USE AND BENEFIT OF: OLTMANS DEVELOPMENT**

**FINAL PLAT CORAL RIDGE**  
 A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS

**DATE:** 03/05/2021 **C.A.D. BY:** BJOHNSON **DRAWING NUMBER:**  
**REVISED:** 11/14/2022 **CHECKED BY:** **21-0209**  
**SCALE:** 1"=40'

500 1S 14W 0 07 130 62 1762





**PROJECT MANUAL  
INCLUDING SPECIFICATIONS  
FOR CONSTRUCTION**

**BRYANT HIGH SCHOOL FENCING**  
**Bryant School District**  
**Bryant, Arkansas**

**ARCHITECT PROJECT NO. 23038**

**DATE: May 26, 2023**



**ELLIOTT • MCMORRAN • VADEN  
RAGSDALE • WOODWARD • INCORPORATED  
501.223.9302 • FAX 501.223.9909 • WWW.LEMVAEW.COM**

**11225 HURON LANE • SUITE 104 • LITTLE ROCK, AR 72211**



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LIEN WAIVER FORM  
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Not Used

DIVISION TWELVE FURNISHINGS

Not Used

DIVISION THIRTEEN SPECIAL CONSTRUCTION

Not Used

DIVISION FOURTEEN CONVEYING EQUIPMENT

Not Used

DIVISION TWENTY ONE FIRE SUPPRESSION

Not Used

DIVISION TWENTY TWO PLUMBING

Not Used

DIVISION TWENTY THREE HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)

Not Used

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Not Used

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Not Used

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Not Used

DIVISION TWENTY EIGHT ELECTRONIC SAFETY AND SECURITY

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VADEN, RAGSDALE & WOODWARD, INC. 2023

Not Used	DIVISION THIRTY ONE	EARTHWORK
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Not Used

DRAWING A0.1 – SITE PLAN

Attached

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NOTICE TO BIDDERS

BRYANT HIGH SCHOOL FENCING  
BRYANT SCHOOL DISTRICT  
BRYANT, AKRNASAS

Sealed proposals will be received on General Contract for BRYANT HIGH SCHOOL FENCING, BRYANT SCHOOL DISTRICT, BRYANT, ARKANSAS. The Owner will receive sealed proposals until 2:00 p.m., June 13, 2023, at the office of the Superintendent of Schools, Bryant School District, 1511 North Reynolds Road, Bryant, Arkansas, at which time they will be publicly read aloud. Any bids received after the stated time and opening date will be returned unopened.

The Proposed Contract Documents may be examined at the following locations:

Lewis, Elliott, McMorran, Vaden,  
Ragsdale & Woodward, Inc. (Architect)  
11225 Huron Lane, Suite 104  
Little Rock, AR 72211

Office of the Superintendent of Schools  
Bryant School District  
1511 North Reynolds Road  
Bryant, AR 72022

Dodge Construction Network (DCN)  
<http://Dodge.construction.com>

Construction Market Data, LLC  
[www.construcconnect.com](http://www.construcconnect.com)

Southern Reprographics, Inc.  
901 West 7<sup>th</sup> St.  
Little Rock, AR 72201

General Contractors may secure copies of the Proposed Contract Documents from the Architect on the following basis:

One set of the Project Manual, including Specifications, plus one set of Drawings upon payment of any costs of shipping and \$100 deposit. Deposit is completely refundable if all sets are returned to the Architect in good condition within five days after bid opening. General contractors who secure plans but do not submit legitimate bids shall forfeit their deposit.

Subcontractors and material suppliers may obtain additional copies of the Project Manual, including Specifications, plus additional sets of prints of the Drawings, upon payment of \$100 per set, nonrefundable.

No partial sets will be issued.

All bidders must be licensed in the State of Arkansas, as provided by Act 142 of 1967, amended by Act 293 of 1969, and Act 397 of 1971, and Act 546 of 1971, as enacted by the General Assembly of the State of Arkansas.



Bid proposals must be accompanied by a bidder's bond or cashiers check in the amount of five percent (5%) of the bid, made payable to the Bryant School District, Bryant, Arkansas.

The successful bidder will be required to furnish satisfactory performance and payment bond using ALA Document A312.

The Owner reserves the right to waive any informality, or to reject any or all bids.

No bid shall be withdrawn for a period of thirty (30) days subsequent to the opening of the bids, without written consent of the Owner.

Bryant School District  
Dr. Karen Walters, Superintendent  
1511 North Reynolds Road  
Bryant, AR 72022

Lewis, Elliott, McMorran, Vaden,  
Ragsdale & Woodward, Inc.  
11225 Huron Lane, Suite 104  
Little Rock, AR 72211  
Telephone: (501) 223-9302

END OF NOTICE TO BIDDERS

INSTRUCTION TO BIDDERS

1. Securing Documents:

Copies of the proposed Contract documents are on file at the office of the Architect:

Lewis, Elliott, McMorran, Vaden,  
Ragsdale & Woodward, Inc.  
11225 Huron Lane, Suite 104  
Little Rock, AR 72211

2. General Instructions, Terms and Conditions:

a. These General Instructions, Terms and Conditions and any special terms and conditions become part of any contract entered into in the event any part or all of the bid is accepted by Bryant School District.

3. Definitions:

a. All definitions set forth in the General Conditions of the Contract for Construction, AIA Document A201, are applicable to these Instructions to Bidders.

b. Bidding documents include the advertisement or invitation to bid, execution of the contract which modify or interpret the bidding documents, including drawings and specifications, by addition, deletions, clarifications or corrections. Addenda will become part of the Contract Documents when the construction contract is executed.

c. The words vendor, bidder, offerer, company, proposer and contractor may be used synonymously in this document.

d. The terms "District" or "Owner" are used interchangeably and refer to the Bryant School District.

e. Pursuant to Arkansas Code Annotated 22-9-203, the State encourages all small, minority, and women business enterprises to submit bids for capital improvements. Encouragement is also made to all general contractors that in the event they subcontract portions of their work, consideration is given to the identified groups.

4. Examination of Drawings, Specifications, and Site of Work:

a. Before submitting a bid, each bidder shall carefully examine the Drawings, read the Specifications and all other proposed Contract Documents, and visit the site of the Work. Each Bidder shall fully inform himself prior to bidding as to all existing conditions and limitations under which the Work is to be performed, and he shall include in his bid a sum to cover all costs of all items necessary to perform the Work as set forth in the proposed Contract Documents. No allowance will be made to any bidder because of lack of such examination or knowledge. The submission of a bid will be construed as conclusive evidence that the bidder has made such examination.

b. Should the bidder find discrepancies in, or omissions from the drawings, or other bidding documents, or should he be in doubt as to their meaning, he should at once, notify the Architect, who will send a written addendum to all bidders. Neither the Owner nor the Architect will be responsible for any oral instructions. Any addenda issued during the time of bidding are to be covered in the proposal and in closing a contract, they will become a part thereof.

5. Bidding Procedures:

a. Proposals shall be made upon the bid form issued by the Architect. The signature of the individual authorized to bind the bidder shall be in longhand; no oral, or telephonic proposals will be considered, but modifications by fax or bid already submitted will be considered if received prior to the hour set for opening.

b. Proposals shall also include "Bidder Assurances and Disclosure" form as issued by the Architect. Failure to include the "Bidder Assurances and Disclosure" form may result in disqualification.

c. Proposals, including "Bidder Assurances and Disclosure" form, must be signed by an individual authorized to bind the bidder. The person signing the bid should show title or authority to bind his/her firm to a contract. Signature must be in ink. Failure to sign the bid may result in disqualification. Bid must be completed in ink or typed. "Bidder Assurances and Disclosure" form must be notarized.

d. Proposals shall be addressed to and mailed to the Owner at the Owner's address as shown on the Bid form or delivered to the place designated for opening of bids before the time for opening the bids as set forth in the Notice to Bidders, enclosed in an opaque, sealed envelope, addressed as stated above, marked "Proposal" and bearing the title of work and the name and address of the bidder.

e. Bids received prior to the time of opening will be kept, unopened. No bid received after the hour set for their opening, will be considered, except that when a bid arrives by mail after the time fixed for opening, but before the award is made, and is shown to the satisfaction of the Owner that the non-arrival on time was due solely to delay in the mails, a fault for which the bidder was not responsible, such bids will be received and considered. No responsibility will be assumed by any person for the premature opening of a bid not properly addressed and identified.

f. In case of a difference in written words and figures the amount in written words shall govern.

6. Bid Bond:

a. A 5% bid bond or a certified check in the amount of 5% of the bid shall accompany all bids submitted on projects that exceed \$35,000 (A.C.A. § 22-9-203). The bid bond shall be executed by a surety company approved by the Owner, and authorized to do business in the State of Arkansas. In lieu of bond, the Bidder may furnish a cashiers check, in an amount equal to 5% of Bid, drawn on National Bank or a Bank having a membership in the Federal Reserve System and signed by the President or Cashier. The successful bidder's security will be retained until he has signed the Contract and furnished the required Labor and Materials Payment and Performance Bond. The Owner reserves the right to retain the security of the next lowest bidder until the lowest bidder enters into contract or until 60 days after bid opening, whichever is shorter. All other bid security will be returned as soon as practicable. If any bidder refuses to enter into a contract, the Owner will retain his bid security as liquidated damages but not as a penalty.

7. Wage Requirements:

a. Contractors attention is called to the fact that the wage rates for laborers and mechanics engaged in the construction of the project will be not less than required in full compliance with any state minimum wage law that may be applicable, or any published wage scales bound here in the project manual.

8. Construction time and liquidated damages:

The Agreement will include a stipulation that the Work be completed in a period of time established in the Bid Form. The Agreement will also include a stipulation that liquidated damages will be established in the amount as indicated on the Bid Form per calendar day for each calendar day after the completion date that the Work is not fully completed and the Owner is unable to occupy and utilize the new construction.

9. Substitutions:

- a. Where a definite material is specified, it is not the intent to discriminate against any "approved equal" product of another manufacturer. It is the intent to set a definite standard.
- b. Open competition is expected, but in all cases, complete data must be submitted for comparison and test when required by the Architect.
- c. The materials, products and equipment described in the Bidding documents establish a standard of required function, dimension, appearance and quality to be met by any proposed substitution.
- d. No substitution will be considered prior to receipt of Bids unless written request for approval has been received by the Architect at least ten days prior to the date for receipt of Bids. Such requests shall include the name of the material or equipment for which it is to be substituted and a complete description of the proposed substitution including drawings, performance and test data, and other information necessary for an evaluation. Information shall be submitted in a format that compares the proposed product in a direct comparison to the specified product; line number to line number in specifications. A statement setting forth changes in other materials, equipment or other portion of the Work including changes in the work of other contracts that incorporation of the proposed substitution would require shall be included. The burden of proof of the merit of the proposed substitution is upon the proposer. The Architect's decision of approval or disapproval of a proposed substitution shall be final.
- e. If the Architect approves a proposed substitution prior to receipt of Bids, such approval will be set forth in an Addendum. Bidders shall not rely upon approvals made in any other manner.
- f. No substitutions will be considered after the Contract award unless specifically provided in the Contract documents.
- g. No substitution shall be made unless authorized in writings, by the Architect.
- h. All bidders shall base their proposals on the material or specialty specified. Any proposal for substitution shall be submitted within 30 days after the award of the contract.
- i. Should a substitution be accepted and should the substitute material prove defective or otherwise unsatisfactory for the service intended within the guaranty period, the Contractor shall replace this material or equipment with that which was originally specified, without cost to the Owner.

10. Conflict of Interest:

a. By submitting a bid, the Contractor represents and warrants that no director, board member or employee of the District is in any manner interested directly or indirectly in the bid or contract which may result from the bid or in any of the expected profits which might arise therefrom; further, that no attempt has been made to influence or gain favorable advantage by communicating directly or indirectly with any official of the School District. It is understood that any action taken which might tend to degrade the integrity of the competitive bidding process will be considered as grounds for disqualification or a breach of this contract.

11. Qualifications of bidders:

a. The bidder will not be acceptable if he is engaged on any other work which impairs his ability to finance this contract or provide proper equipment for the proper execution of same.

b. The bidder must be prepared to furnish a performance bond and labor & material payment bond in accordance with the Contract Documents written by a surety company authorized to do business in the State of Arkansas.

c. Contractor shall name the sub-bidder whose bid he proposes to use on Mechanical (Plumbing, Heating, Ventilation, and Air Conditioning), Electrical and Roofing and Sheet Metal, and any other subcontractor, as provided on the Form of Bid.

d. In determining the responsibility of the low bidder, the following will be considered; whether the contractor has:

1. Permanent place of business.
2. Experienced job superintendent available.
3. Adequate equipment.
4. Financial ability to perform contract.
5. Had appropriate experience.
6. State contractor's license.

12. Rejection of bids:

a. The Bidder acknowledges the right of the School District to reject any or all bids and to waive any informality or irregularity in any bid received. In addition, the Bidder recognizes the right of the School District to reject a bid if the Bidder failed to furnish any required bid security, or to submit the data required by the bidding documents, or if the bid is in any way incomplete or irregular. The School District may reject any and all bids and may reject a bid of any party who has failed to perform, been unfaithful and/or delinquent in any former relationship with the School District. The School District shall be the sole judge as to which bid is best and, in determining that fact, may consider the contractor's business integrity, financial resources, experience, facilities and/or capacity for performing the work.

13. Submission of post-bid information:

a. Upon receipt of written notice of the acceptance of his bid, the successful Contractor shall execute a contract, in accordance with good and sufficient surety or sureties, within ten (10) calendar days after the prescribed forms are presented for signature. Required bond and insurance documents shall be furnished with the executed contract.

b. Within seven (7) days after execution of the contract, the Contractor shall furnish to the Architect a statement of costs for each major item or the work included in his bid and a list of the subcontractor's proposed for the principal portions of the work. The bidder will be required to establish to the satisfaction of the Architect and the Owner the reliability and responsibility of the proposed subcontractors to furnish and perform the required work.

c. The Contractor will be required to keep an accurate accounting of all labor and materials entering into the job. It will be required that this be brought up to date each month.

14. Assignments:

Neither this contract nor any interest therein nor claim thereunder may or shall be assigned or transferred by the Contractor except as expressly authorized in writing by the School District. No contract, subcontract or agreement shall be made by the Contractor with any other party for furnishing any of the product, work or services herein contracted without the written approval of the School District.

15. Contract Changes:

In no event shall any understanding or agreement, contract modification, change order or other matter which would constitute a deviation from the terms of this contract be effective or binding upon the School District unless expressly stated and agreed to in writing executed by the School District official possessing contractual authority for said district.

16. Contract Guidelines:

Offerers agree that a contract does not become effective until it is awarded and a written agreement, purchase order, award letter, or other notice to proceed is executed or issued by the School District and the Architect.

17. Non-Collusive Affidavit:

By submitting a bid, the company and the individual personally signing the bid represent and warrant that such bid is genuine and is neither collusive nor made for or on behalf of any person not named, and that he has neither induced nor solicited any other company to place a sham bid nor directly or indirectly caused another company to refrain from or be unable to present a bid.

18. Penalty for Collusion:

If at any time it shall be found that the person, firm or corporation to whom a contract has been awarded has, in presenting any bid, colluded with any other part or parties, then, in the sole discretion of the District, the contract so awarded shall be null and void or considered breached and the contractor shall be liable to the District for any and all loss and damage of whatsoever nature, which the District may suffer and the District may seek a new contractor.

19. Non-Discrimination:

The company shall not discriminate against, or segregate, a person or a group of persons on account of race, color, creed, religion, sex, sexual orientation, marital status, familial status, national origin, ancestry, disability of condition of acquired immune deficiency syndrome (AIDS) or AIDS-related complex in carrying out its duties and obligations pursuant to this agreement nor shall the company or any person claiming under or through the company establish or permit any such practice or practices of discrimination or segregation. The company must include in any and all subcontracts a provision similar to the proceeding.

20. Proprietary Information:

All information submitted in response to this bid is public after the bid opening. The bidder should not include as a part of the response to the invitation to bid any information which the bidder believes to be a trade secret or otherwise privileged or confidential. If the bidder wishes to include such material with a bid, then the material should be supplied under separate cover and identified as confidential. The District does not warrant or agree to, but will endeavor to, keep that information confidential. Contractor acknowledges that information in the possession of the District may be subject to the provisions of the Arkansas Freedom of Information Act.

21. Reservations:

The IFB does not commit the District to award a contract, to pay any costs incurred in the preparation of a bid in response to the invitation, or to procure or contract for services or supplies. The District reserves the right to accept, or reject, in part or its entirety, any bid received as a result of the IFB, it is in the best interest of the District to do so.

22. Severability:

The finding or determination of any part or parts of the General Instruction, Terms and Conditions is void, unenforceable, invalid or voidable shall result in only that part being stricken with the remainder to continue in full force and effect.

23. Withdrawal of Bid: A bid may be withdrawn before the expiration of the time during which bids may be submitted, without prejudice, by submitting a written request for its withdrawal to the District Contracting Official.

24. No Smoking Policy: The Bryant School District has a No Smoking Policy on all school properties.

It is the policy of the Board of Education that all uses of tobacco and tobacco products, including smokeless tobacco, will be prohibited on all District facilities. At no time will the use of tobacco products be permitted in classrooms, corridors, restrooms, locker rooms, work areas, cafeterias, offices, faculty lounges, gymnasiums, all other rooms and school grounds.

This policy applies to all Staff Members, Students, Visitors, General Contractors, Sub-Contractors, and Vendors. This policy is strictly enforced without exception.

END OF SECTION

BID FORM

BRYANT HIGH SCHOOL FENCING  
BRYANT SCHOOL DISTRICT  
BRYANT, ARKANSAS

Proposal of \_\_\_\_\_

License No. \_\_\_\_\_ of \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

Date \_\_\_\_\_

To the  
Board of Education  
BRYANT School District  
BRYANT, Arkansas

1. Pursuant to and in compliance with the invitation to bid and the Proposed Contract Documents relating to construction of:

BRYANT HIGH SCHOOL FENCING  
BRYANT SCHOOL DISTRICT  
BRYANT, ARKANSAS

Including  
addenda \_\_\_\_\_

The undersigned, having become thoroughly familiar with the terms and conditions of the Proposed Contract Documents and with local conditions affecting the performance and cost of the Work at the place where the Work is to be completed, and having fully inspected the site in all particulars, hereby proposes and agrees to fully perform the Work within the time stated and in strict accordance with the proposed Contract Documents, including furnishing any and all labor, and materials, and to do all of the work required to construct and complete said work in accordance with the Contract Documents, for the following sum of money:

A. BASE BID: All labor, materials, services, and equipment necessary for completion of the Work as shown on the Drawings and in the Specifications.

\_\_\_\_\_ dollars (\$ \_\_\_\_\_)

B. TRENCHING SAFETY SYSTEMS: Ark. Code Ann. §22-9-212 requires the Contractor to indicate on this bid form the cost of Trenching Safety Systems. (Note: This cost shall be included in the above Base Bid.)

\_\_\_\_\_ dollars (\$ \_\_\_\_\_)



2. I understand that the Owner reserves the right to reject this bid, but that this bid shall remain open and not be withdrawn for a period of thirty (30) days from the date prescribed for its opening.

3. If written notice of the acceptance of this bid is mailed or delivered to the undersigned within thirty (30) days after the date set for the opening of this bid, or at any time thereafter before it is withdrawn, the undersigned will execute and deliver the Contract Documents to the Owner in accordance with this bid as accepted, and will also furnish and deliver to the Owner the Performance Bond, Labor, and Material Payment Bond and proof of insurance coverage, all within ten days after personal delivery or after deposit in the mails of the notification of acceptance of this bid.

4. Accompanying this proposal is a bid bond or cashiers check in the amount of \_\_\_\_\_ dollars (\$ \_\_\_\_\_) which will become the property of Bryant School District as liquidated damages if the undersigned fails to perform the requirements of Paragraph 3.

5. The accompanying "Bidder Assurances and Disclosure" form has been completed, signed and notarized.

6. The undersigned hereby agrees to complete the work within 120 calendar days after issuance of Notice To Proceed, and that the Owner may retain the sum of one thousand dollars (\$1,000) from the amount of compensation to be paid the undersigned for each calendar day after the above mentioned time that the work remains incomplete. The amount is agreed upon as the proper measure of liquidated damages which the Owner will sustain per day by the stipulated time and is not construed in any sense as a penalty.

7. The undersigned respectfully submits this bid:

Sign here:

\_\_\_\_\_

Signature of Bidder

NOTE: If bidder is a corporation, set forth the legal name of the corporation together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation. If bidder is a partnership, set forth the name of the firm together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership.

Business Address:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Telephone Number:

\_\_\_\_\_

Email Address:

\_\_\_\_\_

Fax Number:

\_\_\_\_\_

Date of Proposal:

\_\_\_\_\_

END OF BID FORM

**Bidder Assurances and Disclosure -  
School District Bid**

**Name of School District:** \_\_\_\_\_

**Bid Description/Number:** \_\_\_\_\_

**Bid Opening Date:** \_\_\_\_\_

**Assurances:**

I, \_\_\_\_\_ hereby state:

1. I am the duly authorized agent of \_\_\_\_\_, the bidder submitting the competitive bid which is attached to this statement, for the purpose of certifying the facts pertaining to the existence of collusion among and between bidders and school district officials, as well as facts pertaining to the giving or offering of things of value to school district personnel in return for special consideration in the awarding of any contract pursuant to the bid to which this statement is attached.
2. I am fully aware of the facts and circumstances surrounding the making of the bid to which this statement is attached and have been personally and directly involved in the proceedings leading to the submission of the bid.
3. Neither the bidder nor anyone subject to the bidder's direction or control has been a party:
  - a. To any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding;
  - b. To any collusion with any school district official or employee as to quantity, quality or price in the prospective contract, or as to any other terms of the prospective contract; or
  - c. In any discussions between bidders and any school district official concerning exchange of money or other thing of value for special consideration in the awarding of a contract.
4. I hereby guarantee that the specifications outlined in the bid shall be followed as specified and that deviations from the specifications shall occur only as part of a formal change process approved by the Board of Directors of the school district.

**Disclosure:**

1. Does any school board member or employee of the school district have a financial interest in your business or hold a position as officer, director, trustee, partner, or other top level management? \_\_\_\_\_ Yes \_\_\_\_\_ No
2. Does any school board member or employee of the school district have a family relationship with anyone employed by your business? \_\_\_\_\_ Yes \_\_\_\_\_ No

*(If the answer is yes to either of the above questions, provide details in a separate attachment to this form.)*

3. Did you or your company assist the school district or any agent of the school district with the development of the bid specifications? \_\_\_\_\_ Yes \_\_\_\_\_ No
- If yes:
- a. Were you or your company compensated? \_\_\_\_\_ Yes \_\_\_\_\_ No
  - b. Is your company's name or identity included anywhere within the specifications? \_\_\_\_\_ Yes \_\_\_\_\_ No
  - c. Were you offered any preferential treatment in the bid evaluation process?  
\_\_\_\_\_ Yes \_\_\_\_\_ No

*(If the purchase will be from the school district's federal child nutrition food service fund, potential bidders cannot have input into the development of specification. – 7 Code of Federal Regulations 3016.60(b))*

Signature \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_ Title \_\_\_\_\_

Company \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

Notary Public \_\_\_\_\_

Any person determined to have made a false statement on the form or any bidder who acts contrary to the provisions of the form after its agent has executed the form shall be guilty of a Class C misdemeanor.

REQUIRED CONTRACT FORMS

The following are the construction document forms that, where required by the Architect, will be used during this project. These documents are either furnished in the project manual or available for inspection at the Architect's office:

Lewis, Elliott, McMorran, Vaden,  
Ragsdale & Woodward, Inc.  
11225 Huron Lane, Suite 104  
Little Rock, AR 72211

Bid Form.....	As furnished in Project Manual
*Form of Agreement Between Owner & Contractor.....	AIA Document A101
Contractors Qualification Statement.....	AIA Document A305
Bid Bond.....	AIA Document A310 or Cashier's Check
Performance Bond and Labor and Material Payment Bond.....	AIA Document A312
Insurance and Bonds.....	AIA Document A101 – 2017 Exhibit A
*Change Order.....	AIA Document G701
Application and Certificate for Payment.....	AIA Document G702 and G703
*Certificate of Substantial Completion.....	AIA Document G704
Certificate of Insurance.....	Acord Form (See sample furnished)
Contractor's Affidavit of Payment of Debts and Claims.....	AIA Document G706
Lien Waiver Form (Builder's or Contractor's Affidavit)	As furnished in Project Manual
Consent of Surety - to Reduction or	
Partial Releases of Retainage.....	AIA Document G707A
Consent of Surety Company to Final Payment.....	AIA Document G707
*Architect's Supplemental Instructions.....	AIA Document G710
Proposal Request.....	AIA Document G709
Construction Change Directive.....	AIA Document G714
Project Team Directory.....	AIA Document G808

\*Indicates forms furnished and procedures initiated by the Architect.

END OF REQUIRED CONTRACT FORMS



SAMPLE OF LIABILITY  
INSURANCE FORM

GENERAL:

The Contractor's insurance carrier shall supply the "Acord Certificate of Insurance" form exactly as shown on the sample form furnished in this Project Manual, and a notarized letter of endorsement "Specifically permitting the waiver of rights provision in Article 11.1.2.7 of the General Conditions of the Contract for Construction, AIA Document A201, as amended by the Supplementary Conditions and bound into this Project Manual".

END OF SECTION





# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
12/07/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsements(s).

PRODUCER		CONTACT NAME: Agency Contact Person	
ABC Insurance Agency	PHONE (A/C, No. Ext): (111) 111-1111	FAX (A/C, No.): (111) 111-1111	
Mailing Address	E-MAIL ADDRESS: agent@email.com		
City	ST	Zip Code	NAIC #
INSURED	ABC Construction Company		11111
	Mailing Address		11111
	City		11111
	ST		11111
	Zip Code		11111

**COVERAGES** CERTIFICATE NUMBER: 2022 Sub Sample Cert REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDITIONAL INSURED (IND) (AVD)	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJE CT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	Y	Policy Number	12/10/2022	12/10/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY/AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY		Policy Number	12/10/2022	12/10/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Underinsured motorist \$ 1,000,000
C	<input checked="" type="checkbox"/> UMBRELLA/LIAB <input type="checkbox"/> EXCESS LIAB <input checked="" type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000 <input type="checkbox"/> CLAIMS-MADE	Y	Policy Number	12/10/2022	12/10/2023	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000 <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	WORKERS COMPENSATION AND EMPLOYERS LIABILITY <input type="checkbox"/> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	Policy Number	12/10/2022	12/10/2023	
E	Builders Risk Property Insurance		Policy Number	12/10/2022	12/10/2023	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
Project Name

<b>CERTIFICATE HOLDER</b>	<b>CANCELLATION</b>
SAMPLE CERTIFICATE	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE







AGENCY CUSTOMER ID: \_\_\_\_\_  
 LOC #: \_\_\_\_\_

## ADDITIONAL REMARKS SCHEDULE

Page \_\_\_\_\_ of \_\_\_\_\_

AGENCY ABC Insurance Agency	NAMED INSURED ABC Construction Company
POLICY NUMBER	EFFECTIVE DATE:
CARRIER	NAIC CODE

**ADDITIONAL REMARKS**

**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,**

**FORM NUMBER: 25      FORM TITLE: Certificate of Liability Insurance: Notes**

Attach policy forms regarding Additional Insured, Blanket Waiver of Subrogation, Notice of Cancellation, Primary/Non-Contributory status, etc that are applicable to the policies listed on this certificate:

**General Liability:**

- \*Owner & Architect shall be named as an Additional Insured or included in Blanket Additional Insured policy form
- \*Per Project Aggregate Limit of Liability
- \*Primary Non-contributory endorsement
- \*Waiver of Subrogation in favor of Certificate Holder
- \*30 Day Notice of Cancellation in favor of Certificate Holder

**Workers Compensation:**

- \*Waiver of Subrogation in favor of Certificate Holder

**Umbrella:**

- \*Confirmation of Following Form for Additional Insured & Waiver of Subrogation on underlying policies



LJEN WAIVER FORM

STATE OF ARKANSAS

COUNTY OF \_\_\_\_\_

\_\_\_\_\_ of \_\_\_\_\_  
(Name) (Address)

being first duly sworn deposes and says:

That he is the sub-contractor and/or material supplier who worked on or furnished material to be used in the construction and improvements on the property located in \_\_\_\_\_, more particularly described as follows:

Affiant further states that all material used therein was of the quality prescribed in plans and specifications approved by the architect(s), Owner, or both, that all laws, ordinances, building codes and civic regulations concerning construction or repair of building(s) have been complied with and that the Owner has inspected said improvements and accepted same as being complete and satisfactory.

Affiant further states that all charges and costs for labor performed, material furnished, and fixtures installed on said premises have been fully paid; that said premises are free and clear of all lienable claims whatsoever arising under and by virtue of said construction, and warrants and guarantees to hold Owner, and those claiming under the Owner, including any mortgagee or title insurance company, free and immune from any liability therefore.

The release is given in order to induce payment in the amount of \_\_\_\_\_ and on receipt of this amount due, this release may be recorded, becomes valid, enforceable and of full effect.

Affiant further states that said construction began on the \_\_\_\_\_ day of \_\_\_\_\_ 2023 and was completed on or before the \_\_\_\_\_ day of \_\_\_\_\_ 2023, and he acknowledges receipt of all monies due him in connection therewith.

\_\_\_\_\_  
Sub-Contractor/Material Supplier

STATE OF ARKANSAS  
COUNTY OF \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 2023.

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_ Seal



GENERAL CONDITIONS

"THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION", STANDARD FORM OF THE AMERICAN INSTITUTE OF ARCHITECTS, 2017 EDITION, A.I.A. DOCUMENT, A201, ARTICLES 1 THROUGH 15 INCLUSIVE, CONSISTING OF THIRTY NINE PRINTED PAGES, ARE HEREBY INCORPORATED AS A PART OF THE PROJECT MANUAL AND SHALL BE AS THOUGH THEY WERE ATTACHED HERETO. THE GENERAL CONDITIONS ARE ON FILE FOR PUBLIC INSPECTION AT THE OFFICE OF LEWIS, ELLIOTT, MCMORRAN, VADEN, RAGSDALE & WOODWARD, INC., 11225 HURON LANE, SUITE 104, LITTLE ROCK, ARKANSAS."



SUPPLEMENTARY  
CONDITIONS

1. The "General Conditions of the Contract for Construction", AIA Document A201, 2017, Articles 1 through 15 inclusive, is a part of this Contract.
2. The following supplements shall modify, delete, and/or add to the General Conditions. Where any article, paragraph, or subparagraph in the General Conditions is supplemented by one of the following paragraphs, the provisions of such article, paragraph, or subparagraph shall remain in effect and the supplemental provisions shall be considered an added thereto. Where any article, paragraph, or subparagraph in the General Conditions is amended, voided, or superseded by any of the following paragraphs, the provisions of such article, paragraph, or subparagraph not so amended, voided, or superseded shall remain in effect.
3. Add subparagraph 1.1.9:  
  
"The word "Provide" shall mean to furnish and install, complete in place, operating, tested and approved".
4. Add subparagraph 1.1.10:  
  
"The word "Product(s)" refers to the materials, systems, and equipment provided by the Contractor".
5. In subparagraph 3.4.3, add: "Any person whose work is unsatisfactory to the Owner or the Architect shall be removed from the work upon receipt of written notice from the Architect".
6. Add subparagraph 3.4.4:  
  
"All Contractors and Subcontractors engaged in the Work shall conform to the labor laws of the State of Arkansas, and the various acts amendatory and supplementary thereto, and to all other laws, ordinances, and legal requirements applicable there to".
7. Add subparagraph 3.7.6:  
  
"The Contractor shall be licensed contractor as provided by the Act Number 124 of the 1939 Act Number 217 of 1945 and Act Number 153 of 1951 and Act Number 150 of 1965 as enacted by the General Assembly of the State of Arkansas".
8. Delete subparagraphs 3.9.2 and 3.9.3 in their entirety and substitute the following subparagraph 3.9.2:  
  
"The superintendent and assistants shall be satisfactory to the Architect, and shall not be changed except with the consent of the Architect, unless the superintendent proves to be unsatisfactory to the Contractor and ceases to be in his employ".
9. Add subparagraph 3.13.1:  
  
3.13.1 "All material shall be arranged and maintained in an orderly manner without hindering the use of walks, drives, roads, and entrances. Should it be necessary at any time to move material, sheds, or storage platforms, the Contractor shall do so as and when directed, and at his own expense".



10. Add subparagraph 5.2.5:

5.2.5 "Omit any sentence where any provision of Article 5 conflicts with Act 477 of 1961 of the State of Arkansas".

11. Add subparagraphs 7.2.2 and 7.2.3:

7.2.2 The contractor shall be required to furnish the original bills and payrolls and support the statement with proper affidavits. The burden of proof of the costs rests upon the Contractor. Bills for extras will be allowed only when work is ordered in writing. No bills based on verbal orders will be allowed by the Architect unless accompanied by a written order from the Architect. The Contractor waives all claim for extension of time of completion on account of extra work, unless application for such extension is made by the Contractor in writing within twenty (21) days of the time such work is ordered.

7.2.3 The Contractor shall not make any changes except on written order of the Owner. Contractor's request for a Change Order to the Work shall be made on the AIA Document G709 and shall provide itemized breakdown of whole sum listing unit quantities and costs of all labor and materials. Contractor shall submit all verifying data as required to support claims, such as copies or original invoices, payrolls, etc. Requests shall identify percentage sums included for insurance, taxes, bonds, overhead and profit. Percentages shall not be allowed for changes altering allowances. Changes in the work by cost and a mutual acceptable fixed or percentage fee shall be computed as follows:

- a. Net cost of materials, plus State Sales Tax.
- b. Net delivery cost.
- c. Net placing cost plus W.C. Insurance premium and FICA Tax.
- d. 12% Overhead and Profit Charge on a. through c. allowed.
- e. Allowable Bond Premium.

Where changes in the work involve subcontract work, the General Contractor shall add to cost of subcontract work a profit charge of 5% total overhead and profit charge.

12. Delete subparagraph 7.4 and substitute the following:

"The Architect will have authority to order minor changes in the Work in the form of Field Orders which interpret the Contract Documents or order minor changes in the work without change in Contract Sum or Contract Time. Such changes shall be effected by written Field Order, and shall be binding on the Owner and the Contractor. The Contractor shall attend to such Field Order promptly".

13. Add subparagraphs 7.4.1 and 7.4.2:

7.4.1 "If the Contractor considers that a change in Contract Sum or Contract Time is required, he shall submit an itemized proposal to the Architect immediately and before proceeding with this work. If the proposal is found to be satisfactory and in proper order, the Field Order will in that event be superseded by a Change Order as provided in Paragraph 7.2. The Contractor shall attend to such Field Orders promptly".

7.4.2 "When the time required for processing a Change Order would cause a delay in the progress of the Work, the Architect may issue a Field Order which, when signed by the Owner and the Contractor, will authorize the Contractor to proceed with changes in the work, which may change the Contract Sum and/or the Contract Time. Such Field Orders will be subsequently incorporated in the work as Change Orders as provided in paragraph 7.2. The contractor shall attend to such Field Order promptly".

14. Delete subparagraph 9.3.1 and substitute the following:

"On or before the twenty-fifth day of each calendar month, the Contractor shall submit to the Architect an itemized Application for Payment on AIA Document G702, supported by data substantiating the Contractor's right to payment submitted on AIA Document G703 and attached thereto. The Contractor shall submit one (1) legible copy of these prepared Application for Payment forms and (1) legible copy of each invoice or statement supporting requests for payment of materials or equipment stored on job site or in an approved bonded warehouse". These forms can be emailed to the address as provided at the Pre-Construction meeting or by mailing, shipping or hand-delivery.

"Throughout entire job, the Owner will pay 95 percent of the amount due the Contractor on account of progress payments in compliance with Act 193 of 2009 amended AR. Code. Ann.§22-9-604(a). No retainage will be withheld on material and/or equipment stored on job site or in an approved bonded warehouse".

15. 10.2.2 Add the following new subparagraphs:

10.2.2.1 Project with trenching or excavation which exceeds five feet in depth shall comply with Arkansas Code Annotated §22-9-212.

10.2.2.2 The current edition of OSHA Standard for Excavation and Trenches Safety System, 29 CFR 1926, Subpart P, shall be incorporated by reference in this contract.

16. NOTE: Refer to Sample of Liability Insurance Form for Sample Acord Form. Add the following clauses to 11.1.1:

11.1.1.1 The Contractor shall purchase and maintain Workers Compensation insurance providing Statutory Workers compensation benefits as well as Employers Liability Coverage of at least \$1,000,000.00 Limit of Liability.

The following endorsements providing extensions of coverage shall be attached forming a part of said Workers compensation policy:

- a. Broad Form All States Endorsement
- b. Maritime or Jones Act coverage - where applicable, such as work on navigable waters.
- c. United States Longshoremen's & Harbor Workers Coverage (may be voluntary if job is not close to body of water).

11.1.1.2 Comprehensive General Liability insurance shall be purchased and maintained by the contractor providing the following coverages and limits of liability:

- a. Premises & Operations
- b. Independent Contractors
- c. Completed Operations and Products

- d. X-Explosion, C-Collapse, U-Underground Property Damage Coverage – When Applicable Included
- e. Contractual Liability/Blanket Coverage
- f. Personal Injury Coverage with Employee Exclusion Removed
- g. Owner and Architect shall be named as an Additional Insured on CGL Policy including Completed Operations
- h. Additional insured shall be provided with a certificate of insurance

Limits No Less Than:

\$1,000,000 Per Occurrence  
\$2,000,000 Annual Aggregate  
\$2,000,000 Products/Completed Operations Aggregate

“Per Project Aggregate” endorsement shall be included.

11.1.1.3 Business Auto Liability or Comprehensive Auto Liability policy shall be purchased and maintained by the contractor providing coverage for all owned, non-owned and hired autos.

Limit of Liability required shall be:

\$1,000,000.00 Combined Single Limit.

11.1.1.4 An Umbrella Liability Policy shall be purchased and maintained by the contractor providing coverage over and above required underlying Employers Liability, Comprehensive General Liability, and Business Auto Liability coverages.

Limits of Liability shall be no less than \$1,000,000.00 per Occurrence/\$1,000,000.00 Aggregate.

The Owner and Architect shall be named as an Additional Insured.

11.1.1.5 Property Insurance, (Builder’s Risk, Installation Floater, Boiler & Machinery coverage when applicable), providing All-Risk Coverage shall be purchased and maintained by the contractor providing full coverage for all materials, including labor, destined to be part of job and/or already part of job.

The Owner, Architect, Contractor and all Subcontractors shall be included as Named Insureds covering their interest of the said job.

The policy shall reflect a Deductible of \$250.00 per occurrence which shall be paid in all cases by the Contractor.

11.1.1.6 Miscellaneous Requirements:

- a. All required insurance coverages and bonds shall be provided by an insurance company of a sound financial rating and licensed to do business in the state of the designated job.

- b. Certificates of Insurance shall be filed in duplicate with the Architect and approved by the Owner prior to commencement of the work. The certificates shall reflect coverages, limits of liability, and wording at least as broad as the attached specimen. Use the Accord Certificate of Insurance form as shown by specimen included in this set of specifications. All certificates shall include 30 day written notice of cancellation applicable to the General Liability, Workers Compensation, Automobile and Umbrella policies.
- c. The contractor shall not commence work under this contract or allow any subcontractor or anyone directly or indirectly employed by anyone of them to commence work until he has obtained all insurance required under this, and two duly executed Certificates of such insurance shall have been filed with the Architect and approved by the Owner and Contractor has complied with bonding requirements and work order has been issued. Each such certificate and policy shall contain a provision that coverages afforded under the policies will not be cancelled or materially altered until at least thirty days prior written notice has been given to the Owner.
- d. The insurance carrier shall issue an endorsement specifically permitting the waiver of rights provision in AIA Document A201, Article 11.3.1.

17. Add subparagraph 11.1.1.7:

If by the terms of this insurance any mandatory deductibles are required, or if the Contractor should elect, with the concurrence of the Owner, to increase the mandatory deductible amounts or purchase this insurance with voluntary deductible amounts, the Contractor shall be responsible for payment of the amount of the deductible in the event of a paid claim.

18. Add subparagraph 11.1.2.1:

"Contractor shall furnish and pay for an Executed Performance Bond on AIA Document A311 and Labor and Material Payment bond on AIA Document A311 in the amount of 100% of the contract sum. No modification to the standard bond forms will be allowed without written consent of the Architect".

19. Add subparagraph 11.1.2.2:

"After being approved by the Architect and prior to any work under this contract, the Contractor shall file the bonds with the circuit clerk and recorder of the county in which the work to be performed is located. Contractor shall obtain from the circuit clerk certificates as evidence that the bonds have been approved and filed with the clerk and said certificates shall be filed with the Architect".

20. Add subparagraph 11.1.5:

"If at any time a surety on any such bond is declared bankrupt or loses its right to do business in this state, Contractor shall notify the Owner immediately and within ten (10) days, furnish an acceptable bond (or bonds), in such form and sum and signed by such other surety or sureties as may be satisfactory to the Owner. The premiums on such bond shall be paid by the Contractor. No further payments shall be deemed due nor shall be made until the new surety or sureties shall have furnished an acceptable Bond to the Owner. Failure to comply with the above requirements may be deemed sufficient grounds for termination of this contract".

21. Delete subparagraph 11.2.1 in its entirety and substitute the following:

The Contractor shall be responsible for purchasing and maintaining liability insurance as will protect the Owner against claims which may arise from operations under the contract.

22. Delete subparagraph 11.2.2 in its entirety and substitute the following:

11.2.2 The Contractor shall purchase and maintain property insurance upon the entire Work at the site to the full insurable value thereof. Such insurance shall be in a company or companies against which the Owner has no reasonable objection. This insurance shall include the interests of the Owner, the Contractor, Subcontractors, and Subcontractors in the Work and shall insure against the perils of fire and extended coverage and shall include "all risk" insurance for physical loss or damage including, without duplication of coverage, theft, vandalism and malicious mischief. If not covered under all risk insurance or otherwise provided in the Contract Documents, the contractor shall effect and maintain similar property insurance on portions of the work stored off the site or in transit when such portions of the work are to be included in an application for Payment under subparagraph 9.3.2. The form of policy for this coverage shall be completed value.

23. Add subparagraph 11.5.3

The Owner's occupancy or use of any completed or partially completed portion of the Work prior to Substantial Completion shall not commence until the insurance company or companies providing the insurance under Section 11.1.1.5 Property Insurance have consented in writing to the continuance of coverage. The Owner and the Contractor shall take no action with respect to partial occupancy or use that would cause cancellation, lapse, or reduction of insurance, unless they agree otherwise in writing.

24. Delete subparagraph 15.1.6.2 in its entirety and substitute the following:

"Extension of Time Due to Weather Delays: Claims for extension of time due to unusual inclement weather shall be granted only because such unusual inclement weather prevented the execution of major items of the work. Unusual inclement weather is defined as severe weather which is beyond the normal weather recorded and expected for the month of the year as shown in the chart below. Extension of time due to weather delays shall be granted only for those days in excess of the number of days shown. Extension of time requests shall be submitted in writing within 30 days of occurrence and submitted with current pay request.

PRECIPITATION

<u>MONTH</u>	<u>AVERAGE NO. OF DAYS .01" OR MORE</u>
January	10
February	9
March	10
April	10
May	10
June	8
July	9
August	7
September	7
October	6
November	8
December	9

25. In paragraph 15.3, omit any and all references to arbitration.

26. Delete paragraph 15.4 in its entirety.

END OF SUPPLEMENTARY CONDITIONS



SUMMARY OF WORK

PART ONE - GENERAL

1.1 WORK COVERED BY THE CONTRACT DOCUMENTS

A. The work generally consists of:

1. 8'0" tall ornamental fencing installed at perimeter of campus including manual and powered swinging gates as shown on drawing.

1.2 CONTRACT TIME

- A. The Contract Time shall be that time set forth in the Bid Form.

1.3 COORDINATION OF WORK

- A. At no time shall the construction under this contract interfere with the normal operation of school activities nor in any way shall materials or equipment used in this work be allowed to block or interfere with school traffic at any exit or entrance doors to classrooms. If necessary, work shall be interrupted when children are nearby, so that there is no hazard to any of the occupants of the building.

- B. Debris shall be removed at the end of each working day.

1.4 CONTINGENCY ALLOWANCE

- A. The Contractor shall include in the bid a contingency amount of \$10,000. This contingency shall be used only upon written approval from the Architect. Any difference in cost above or below this amount shall be adjusted by change order. Overhead and profit shall not be allowed if use of the contingency is necessary.

PART TWO – PRODUCTS

Not Used

PART THREE – EXECUTION

Not Used

END OF SECTION





ALLOWANCES

PART ONE - GENERAL

1.1 THE CONTRACTOR SHALL PROVIDE THE FOLLOWING ALLOWANCES IN THE BASE BID:

- A. Signage Allowance: The Contractor shall include in the bid an allowance of \$15,000 to be used for the Board Room sign with Halo backlit metal letters. Refer to drawing for layout. Any difference in cost above or below this amount shall be adjusted by change order. Overhead and profit shall not be allowed.

PART TWO – PRODUCTS

Not Used.

PART THREE – EXECUTION

Not Used.

END OF SECTION



PROJECT MEETINGS

PART ONE - GENERAL

1.1 PRECONSTRUCTION CONFERENCE

- A. Before the work order has been issued on the project by the Architect, a preconstruction conference shall be held on the job site with the following personnel; Architect's representative, General Contractor, Superintendent (who will be on the job at all times) and, if he so desires, the Owner. This meeting is designed for a two-fold purpose: To clarify any questions about the plans and specifications and the transfer of ideas as to what the Architect will expect for all trades and subcontractors.
- B. The purpose being as follows: Distribution by Prime Contractor of following:
  - 1. List of subcontractors, including addresses, telephone numbers and person to contact (to be used also as a Job Directory).
  - 2. Tentative Progress Schedule prepared in accordance with the following provisions:
    - a. Schedule and regulate all construction activities. The schedule shall indicate start and finish dates for activities, submittal and delivery dates for major materials and equipment, and final completion date.
    - b. Prepare tentative Progress Schedule for preview at initial progress meeting, final schedule being prepared shortly thereafter.
    - c. Discussion of following:
      - 1) General over-all progress based on tentative Progress Schedule as presented by Prime Contractor.
      - 2) Shop Drawing submission procedure as presented by Architect-Engineer.
      - 3) Change Order processing procedure as presented by Architect-Engineer.
      - 4) Pay request submission procedure as presented by Architect-Engineer.
      - 5) Clarification of Architect-Engineer and Contractor personnel, duties, functions and responsibilities.
    - d. A pre-work conference shall be required between the Architect's representative, job superintendent and major trades subcontractor before their phase of work begins.

1.2 PROGRESS MEETINGS

- A. General Contractor, major subs and all trades on job at the time shall attend bi-monthly (twice a month) progress meetings upon request of the Architect.
- B. Architect reserves the right to initiate additional meetings between above parties as he deems necessary.

PART TWO – PRODUCTS

Not Used.

PART THREE – EXECUTION

Not Used.

END OF SECTION

SHOP DRAWINGS, PRODUCT  
DATA & SAMPLES

PART ONE - GENERAL

1.1.1 Work included:

1.1.1.1 Wherever possible throughout the Contract Documents, the minimum acceptable quality of workmanship and materials has been defined by manufacturer's name and catalog number, reference to recognized industry and government standards, or description of required attributes and performance.

1.1.1.2 To ensure that the specified products are furnished and installed in accordance with design intent, procedures have been established for advance submittal of design data and for their review by the Architect. All required submittals, shop drawings, product data, and samples shall be submitted within four (4) weeks after construction contracts have been signed.

1.1.1.3 Make all submittals required by the Contract Documents, and revise and resubmit as necessary to establish compliance with the specified requirements.

1.1.1.4 Material Safety Data Sheets (MSDS) shall not be submitted as part of the submittal package. They are not a requirement of the Contract Documents.

1.1.2 Related work described elsewhere: Individual requirements for submittals are described in pertinent other Sections of these Specifications.

1.2 QUALITY ASSURANCE

1.2.1 Coordination of submittals: Prior to each submittal, carefully review and coordinate all aspects of each item being submitted and verify that each item and the submittal for it conforms in all respects with the requirements of the Contract Documents. By affixing the Contractor's signature to each submittal, certify that this coordination has been performed. Any Shop Drawing submitted to the Architect that has not been checked thoroughly, stamped and signed by the Contractor will be rejected.

1.2.2 Progress schedule: Designate in the Progress Schedule, or in a separate coordinated schedule, the dates for submission and the dates that reviewed Shop Drawings, Product Data, and Samples will be needed.

1.3 SHOP DRAWINGS – ELECTRONIC SUBMITTAL PROCEDURES

1.3.1 Summary:

1. Shop drawings and product data submittals shall be transmitted to Architect in electronic (PDF) format via Architect's SharePoint Portal (sp.laeoprojects.com).
2. Details shall be identified by reference to sheet and detail, schedules, or room numbers shown on the Contract Drawings.
3. The intent of electronic submittals is to expedite the construction process by reducing paperwork, improving information flow, and decreasing turnaround time.
4. The electronic submittal process is not intended for color samples, color charts, or physical material samples.
5. Shop Drawings shall be present in a clear and thorough manner.

1.3.2 Requirements:

1. All participants in electronic documentation process will be required to have internet access.
2. Necessary software Adobe Acrobat ([www.adobe.com](http://www.adobe.com)) or Blubeam PDF Revu ([www.blubeam.com](http://www.blubeam.com)) to produce, view, apply comments and save to PDF files. A PDF reader only will not be adequate.

1.4 PRODUCT DATA

1.4.1 Preparation:

1. Provide cover page with project name and contractor name(s).
2. Include "Table of Contents" if multiple items are included in submittal.
3. Clearly mark each copy to identify pertinent products or models.
4. Show performance characteristics and capacities.
5. Show dimensions and clearances required.
6. Show wiring or piping diagrams and controls.
7. Include special installation instructions.

1.4.2 Manufacturer's standard schematic drawings and diagrams:

1. Modify drawings and diagrams to delete information which is not applicable to the Work.
2. Supplement standard information to provide information specifically applicable to the Work.

1.4.3 Submission:

1. Contractor shall request access to Architect's SharePoint Portal ([sp.laeprojects.com](http://sp.laeprojects.com)).
2. Submittal Preparation - Contractor may use any or all of the following options:
  - a. Subcontractors and Suppliers provide electronic (PDF) submittals to Contractor through means provided by and required by Contractor.
  - b. Subcontractors and Suppliers provide paper submittals to General Contractor who electronically scans and converts to PDF format.
3. Contractor shall review and apply electronic stamp certifying that the submittal complies with the requirements of the Contract Documents including verification of manufacturer / product, dimensions and coordination of information with other parts of the work.
4. Contractor shall transmit each submittal to Architect using the Architect's SharePoint Portal ([sp.laeprojects.com](http://sp.laeprojects.com)).
5. At discretion of Architect's Reviewer, paper copies can be requested upon receipt of electronic submittal in order to assist in review. Request will be made through email. Contractor will provide the number of paper copies requested.
6. Architect / Engineer review comments will be made available on the Architect's SharePoint Portal for downloading. Contractor will receive email notice of completed review.
7. Distribution of reviewed submittals to subcontractors and suppliers is the responsibility of the Contractor.

1.5 SAMPLES

1.5.1 Samples shall be of sufficient size and quantity to clearly illustrate:

1. Functional characteristics of the product, with integrally related parts and attachment devices.
2. Full range of color, texture and pattern.
3. Workmanship when applicable.

1.5.2 Field samples and mock-up:

1. Erect at the project site at a location acceptable to the Architect.
2. Size or area: That specified in the respective specification section.
3. Fabricate each sample and mock-up complete and finished.
4. Remove mock-ups at conclusion of the Work or when acceptable to the Architect.

1.6 NOTIFICATION

1.6.1 Notify the Architect in writing, at the time of submission, of any deviations in the submittals from requirements of the Contract Documents.

1.6.2 Notify the Architect in writing, at the time of resubmission, of changes made on re-submittals other than those previously requested by the Architect.

PART TWO – PRODUCTS

Not Used.

PART THREE – EXECUTION

Not Used.

END OF SECTION





TEMPORARY FACILITIES  
AND CONTROLS

PART ONE – GENERAL

1.1 DESCRIPTION

- A. Work included: Temporary facilities and controls required for this Work include, but are not necessarily limited to:
  - 1. Field Offices and sheds.
  - 2. Sanitary facilities.
  - 3. Enclosures such as tarpaulins, barricades, and canopies.

1.2 REQUIREMENTS OF REGULATORY AGENCIES

- A. Comply with Federal, State and local codes and regulations.

1.3 TEMPORARY SANITARY FACILITIES

- A. Provide temporary sanitary facilities in the quantity required, for use of all personnel. Maintain in a sanitary condition at all times.
- B. Service, clean, and maintain facilities and enclosures.

1.4 REMOVAL

- A. Completely remove temporary facilities and equipment when their use is no longer required.
- B. Clean and repair damage caused by temporary installations or use of temporary facilities.

1.5 FIELD OFFICES AND SHEDS

- A. Provide a field office building and sheds adequate in size and accommodation for all Contractor's offices, supply and storage.
- B. The entire facility, including furniture, will remain the property of the Contractor and shall be removed from the site after completion of the Work.

1.6 ENCLOSURES

- A. Furnish, install, and maintain for the duration of construction all required scaffolds, tarpaulin, barricades, canopies, warning signs, steps, bridges, platforms, and other temporary construction necessary for proper completion of the work in compliance with all safety and other regulations.

1.7 PROJECT SIGNS

- A. Provide 4' x 8' x 3/4" exterior grade plywood on two 8' x 4' x 4' treated wood posts. Paint sign as directed by Architect.
- B. Allow no signs or advertising of any kind on the job site except as specifically approved in advance by the Architect.

PART TWO – PRODUCTS

Not Used.

PART THREE - EXECUTION

- 3.1 Maintain all temporary facilities and controls as long as needed for the safe and proper completion of the Work. Remove all such temporary facilities and controls as rapidly as progress of the Work will permit, or as directed by the Architect.

END OF SECTION

CONTRACT CLOSEOUT

PART ONE - GENERAL

1.1 PRODUCT CLOSEOUT

A. Upon completion of the project, the Contractor shall remove all temporary structures and facilities from the site, and leave the premises in the condition required by the Construction Documents. The Contractor shall notify the Architect, in writing, as to the date when, in his opinion all or a designated portion of the work will be substantially completed and ready for final observation and the punch list to be performed. If the Architect determines that the state of preparedness is as represented, the punch list will promptly be started.

B. The Architect will give written copies of the Punch List to the Contractor of observed defects. The Contractor shall promptly remedy any defects due to noncompliance of Construction Documents, faulty materials, or workmanship and pay for any damage to other work resulting therefrom.

1.2 FINAL OBSERVATION

A. When defects are remedied as acceptable and upon receipt of punch list with each item initialed and dated acknowledging same, Architect shall arrange for final observation with the Owner, General Contractor and the Architect. Should Architect/Engineer perform additional observations due to failure of work not complying with the claims of status of completion made by the Contractor, the Architect/Engineer will be compensated for such additional observations by the Contractor. The amount of compensation due to the Architect/Engineer shall be deducted from the final payment to the Contractor.

1.3 PAPER WORK

A. Final payment of the retainage will be withheld until the following documents are delivered to the Architect on two (2) USB flash drives – one (1) for the Architect and one (1) for the Owner.

1. Shop Drawings:

An approved copy of each shop drawing, manufacturer's brochures, test data, etc., submitted to the Architect for approval during the course of construction shall be included with an index listing material, manufacturer and subcontractor of each submittal.

2. Record Documents:

Provide, as described in Section 01 78 39, one (1) set of project record documents, with all dimensions of utility locations, variances from original drawings, etc., clearly documented in red.

3. The following shall also be included:

a. Project Directory: Complete listing of all subcontractors, mechanics, and material suppliers involved in the work under this contract.

- b. Guarantees/Warranties: Submit signed and notarized copies of all manufacturers, mechanics, contractors or supplier guarantees required by the contract documents, including General Contractor's one year warranty. Form and wording of guarantees must be as specified and/or as submitted by the Contractor and approved by the Architect prior to bidding.
- c. Letter stating that all materials used in construction are asbestos free. (To be written by the General Contractor.)
- d. AIA Forms:
  - 1) AIA Document G704 – Certificate of Substantial Completion issued by the Architect. (To be signed by Owner, Architect, and Contractor.)
  - 2) AIA Document G706\* - Contractor's Affidavit of Payment of Debts And Claims (To be completed by the General Contractor.)
  - 3) AIA Document G706A\* - Contractor's Affidavit of Release of Liens (To be completed by the General Contractor.)
  - 4) AIA Document G707\* - Consent of Surety Company to Final Payment (To be completed by the General Contractor.)

\*Forms can be obtained from:

AIA Dallas, (214)764-3153, [www.aiadallas.org](http://www.aiadallas.org) or [www.aia.org](http://www.aia.org)

- e. Lien Waivers: Submit signed and notarized lien waivers from all subcontractors, mechanics, and material suppliers involved in the work of this contract. No partial lien waivers shall be accepted. Lien Waiver form to be as supplied by the Architect.

#### PART TWO – PRODUCTS

Not Used.

#### PART THREE – EXECUTION

Not Used.

END OF SECTION

PROJECT RECORD  
DOCUMENTS

PART ONE - GENERAL

1.1 DESCRIPTION

- A. Reference: Applicable provisions of the General and Supplementary Conditions and Division 1, General Requirements, govern all work of this Section.

1.2 WORK

- A. Maintain at the site for the Owner one record copy of:
  - 1. Drawings, Specifications, Addenda, Change Orders, and other modifications to the Contract.
  - 2. Approved Shop Drawings, and Product Data.
  - 3. Field Test Records.
- B. Record actual construction on drawings at the job site. Provide the job site set of drawings with close-out documents as required and one (1) photo copied set to the Architect.

1.3 RELATED REQUIREMENTS

- A. Submittals - Section 01 33 23
- B. Conditions of the Contract

1.4 MAINTENANCE OF DOCUMENTS AND SAMPLES

- A. Maintain documents in a secure, clean, dry, legible condition and in good order. Do not use record documents for construction purposes.
- B. Make documents available at all times for inspection by Architect.

1.5 RECORDING

- A. Label each document "PROJECT RECORD" in neat large printed letters with felt tip marking pen.
- B. Record information concurrently with construction progress.
  - 1. Do not conceal any work until required information is recorded.
- C. Legibly mark drawings to record actual construction:
  - 1. Field changes of dimension and detail.
  - 2. Changes made by Field Order or by Change Order.
  - 3. Details not on original contract drawings.

1.6 SUBMITTAL

At Contract Close-out, Record Documents shall be included on the two (2) USB flash drives as requested in Section 01 77 19 - Contract Closeout.

PART TWO – PRODUCTS

Not Used

PART THREE – EXECUTION

Not Used

END OF SECTION

CONCRETE

PART ONE - GENERAL

1.1 GENERAL

- A. Work Included: This section covers all cast-in-place, reinforced and non-reinforced concrete construction as shown and specified.

1.2 REFERENCE STANDARDS

- B. ACI 318 "Building Code Requirements for Reinforced Concrete".
- C. Concrete Reinforcing Steel Institute, "Manual of Standard Practice".

1.3 DELIVERY, STORAGE AND HANDLING OF MATERIALS

- A. All materials shall be so delivered, stored and handled as to prevent the inclusion of foreign materials and the damage of materials by water or breakage. Package materials shall be delivered and stored in original packages until ready for use. Packages or materials showing evidence of water or other damage shall be rejected. All materials shall be of the respective quantities specified herein. Frozen or partially frozen aggregates shall not be used.

1.4 SUBMITTALS

- A. The contractor shall submit one hard copy (not to be returned) and one electronic copy in PDF format as per section 01340, through an approved testing laboratory, the proposed concrete mix to be used to the architect for approval. The proposed concrete mix must be proved by 3 cylinder tests in accordance with ASTM C-31. The owner shall pay for all design mixes and cylinder tests.
- B. Reinforcing steel fabricator shall submit one hard copy (not to be returned) and one electronic copy in PDF format as per section 01340 of detailed shop drawings for approval by the Architect on reinforcing bars and anchor bolts seating plans before fabrication or shipment.

PART TWO - PRODUCTS

- 2.1 CONCRETE: Concrete for interior slabs and footings shall have a 28-day minimum compressive strength of 3000 psi. Maximum water-cement ratio - .53 by weight. Exterior concrete shall have a 28 day minimum compressive strength of 4000 psi w/air entrainment of 6% ± 1%. Maximum water-cement ratio - .50 by weight. No other admixtures shall be used without approval of Architect.
  - A. Portland cement shall conform to ASTM C-150, Type I.
  - B. Water shall be potable.
  - C. Aggregate shall conform to ASTM C-33.



## 2.2 REINFORCING STEEL

- A. Deformed bars shall conform to ASTM A615, Grade 60.
- B. Welded wire fabric shall conform to ASTM A-185. Provide 6 x 6 W1.4 x W1.4 in all floor slabs unless noted otherwise.

## PART THREE - EXECUTION

### 3.1 FORMS AND SCREEDS

- A. Form shall be so constructed that the finished concrete will conform to the shapes, lines, grades, and dimensions indicated on the drawings.
- B. Set all screeds with instrument. Wet screeds are unacceptable.

### 3.2 PLACING REINFORCEMENT

- A. Reinforcing shall be unpainted and uncoated, free from rust or scale and shall be cleaned and straightened before being shaped and put into position.
- B. Reinforcing shall be accurately positioned and securely tied.

### 3.3 CONCRETE MIXING

- A. Concrete shall be Ready-Mix in accordance with ASTM C-94.

### 3.4 CONCRETE PLACING

- A. Notify Architect 36 hours prior to placing to permit inspection of forms and reinforcing.
- B. Concrete shall be handled from the mixer to the forms as rapidly as possible by methods which shall prevent the separation of ingredients.
- C. Consolidate concrete as required.

### 3.5 CURING

- A. The slabs shall be moisture cured by ponding, continuous sprinkling and application of absorptive mats or 1 1/2 inch of sand kept continuously wet. Whichever method used, the slabs shall be kept continuously wet for 7 days.

### 3.6 FINISHES: Interior slabs shall receive a steel trowel finish typically. Exterior slabs shall receive a light broomed finish over a steel trowel finish.

- A. Apply floor hardener to interior slabs in accordance with manufacturer's recommendations.

### 3.7

#### TESTING

- A. Samples and tests of the concrete shall be made by an approved independent testing and inspection laboratory. At Contractor's expense, a certified ACI technician shall take test cylinders at the job site. All other test shall be at paid for by the owner unless noted otherwise. Not less than one test for 40 cu. yd. of concrete, or fraction thereof, will be required, and in any event not less than one test for each day's pour. Not less than four specimens will be made for each test. Specimens shall be made and cured in accordance with current ASTM Specifications C-39 and C-31. A slump test shall be made for each set of test cylinders.
- B. Test cylinders shall be made in accordance with ASTM C-31, latest edition. Test one cylinder at 7 days, one at 14 days and two at 28 days. Test cylinders shall be cast on the project site and cured under conditions approaching that of concrete poured on job as nearly as possible. If average strength of test cylinders falls below strength called for, the Architect shall have the right to order removal and replacement of any defective concrete at the contractor's expense.

END OF SECTION



DECORATIVE METAL FENCING SYSTEM

PART ONE – GENERAL

1.1 WORK INCLUDED

1.1.1 The contractor shall provide all labor, materials and appurtenances necessary for installation of the ornamental steel fence system including the steel gate at parking and aluminum gate at entry as defined herein for a complete installation.

1.2 RELATED WORK

1. Concrete Division Three

1.3 QUALITY ASSURANCE

1.3.1 Qualifications of manufacturers: Products used in the work of this Section shall be produced by Manufacturer's regularly engaged in manufacture of similar items and with a history of successful production acceptable to the Architect.

1.3.2 Qualifications of personnel: Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.

1.4 SUBMITTALS

1.4.1 General: Comply with the provisions of Section 01 33 23.

1.4.2 Product data: Within 30 calendar days after award of the Contract, submit:

1. Complete materials list of all items proposed to be furnished and installed under this Section.
2. Manufacturer's specifications and other data required to demonstrate compliance with the specified requirements.
3. Shop drawings showing all proposed work of this section.
4. Manufacturer's recommended installation procedures.

1.4.3 The manufacturer's recommended installation procedures, when approved by the Architect, will become the basis for inspecting and accepting or rejecting actual installation procedures used on the Work.

1.5 REFERENCES

- ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process.
- ASTM B117 - Practice for Operating Salt-Spray (Fog) Apparatus.
- ASTM D523 - Test Method for Specular Gloss.
- ASTM D714 - Test Method for Evaluating Degree of Blistering in Paint.
- ASTM D822 - Practice for Conducting Tests on Paint and Related Coatings and Materials using Filtered Open-Flame Carbon-Arc Light and Water Exposure Apparatus.

- ASTM D1654 - Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments.
- ASTM D2244 - Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates.
- ASTM D2794 - Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
- ASTM D3359 - Test Method for Measuring Adhesion by Tape Test.
- ASTM F2408 – Ornamental Fences Employing Galvanized Steel Tubular Pickets.

## 1.6 PRODUCT HANDLING AND STORAGE

- 1.6.1 Upon receipt at the job site, all materials shall be checked to ensure that no damages occurred during shipping or handling. Materials shall be stored in such a manner to ensure proper ventilation and drainage, and to protect against damage, weather, vandalism and theft.

## PART TWO – MATERIALS

### 2.1 MANUFACTURER

The fence system shall be as manufactured by Ameristar Fence Products, Inc. in Tulsa, Oklahoma or Architect approved equal.

### 2.2 SYSTEM DESCRIPTION

The manufacturer shall supply a total 8'0" industrial ornamental steel fence system including swing gates for pedestrians and vehicular traffic gates with power. The system, Montage II, with the Genesis style option, shall include all components (i.e., pickets, rails, posts, and hardware) required. Gates shall be 8'0" tall.

### 2.3 MATERIAL

#### A. Steel:

1. Steel material for fence framework (i.e. tubular pickets, rails and posts), shall be galvanized prior to forming in accordance with the requirements of ASTM A653/A653M, with minimum yield strength of 45,000 psi (310 MPa). The steel shall be hot-dip galvanized to meet the requirements of ASTM A653/A653M with a minimum zinc coating weight of 0.90 oz/ft<sup>2</sup> (276 g/m<sup>2</sup>), Coating Designation G-90.
2. Material for pickets shall be 1" square x 14 Ga. tubing. The cross-sectional shape of the rails shall conform to the manufacturer's ForeRunner double wall design with outside cross-section dimensions of 1.75" square and a minimum thickness of 14 Ga. Picket holes in the ForeRunner rail shall be spaced 4.715" o.c., except for Invincible style 6' long, which shall be, spaced 4.98" o.c. Picket retaining rods shall be 0.125" diameter galvanized steel. High quality PVC grommets shall be supplied to seal all picket-to-rail intersections.

## 2.4 FABRICATION

### A. Steel:

1. Pickets, rails and posts shall be precut to specified lengths. ForeRunner rails shall be prepunched to accept pickets. Pickets shall be predrilled to accept retaining rods.
2. Grommets shall be inserted into the prepunched holes in the rails and pickets shall be inserted through the grommets so that predrilled picket holes align with the internal upper raceway of the ForeRunner rails (Note: This can best be accomplished by making an alignment jig). Retaining rods shall be inserted into each ForeRunner rail so that they pass through the predrilled holes in each picket.
3. The manufactured galvanized framework shall be subjected to the PermaCoat® thermal stratification coating process (high-temperature, in-line, multi-stage, multi-layer) including, as a minimum, a six-stage pretreatment/wash (with zinc phosphate), an electrostatic spray application of an epoxy base, and a separate electrostatic spray application of a polyester finish. The base coat shall be a thermosetting epoxy powder coating (gray in color) with a minimum thickness of 2 mils (0.0508mm). The topcoat shall be a “no-mar” TGIC polyester powder coat finish with a minimum thickness of 2 mils (0.0508mm). The color shall be bronze. The stratification-coated framework shall be capable of meeting the performance requirements for each quality characteristic shown in Table 2.
4. Completed sections (i.e., panels) shall be capable of supporting a 600 lb. load applied at midspan without permanent deformation. Panels shall be biasable to a 25% change in grade.
5. Gates shall be fabricated using 1.75” x 14ga Forerunner double channel rail, 1.75” sq. x 14ga. gate ends, and 1” sq. x 14ga. pickets. Gates that exceed 6’ in width will have a 1.75” sq. x 14ga. intermediate upright. All rail and upright intersections shall be joined by welding. All picket and rail intersections shall also be joined by welding.

## PART THREE – EXECUTION

### 3.1 PREPARATION

- 3.1.1 All new installation shall be laid out by the contractor in accordance with the construction plans.

### 3.2 FENCE INSTALLATION

- 3.2.1 Fence post shall be spaced according to drawings. For installations that must be raked to follow sloping grades, the post spacing dimension must be measured along the grade. Fence panels shall be attached to posts with brackets supplied by the manufacturer. Posts shall be set in concrete footers having a minimum depth of 36” (Note: In some cases, local restrictions of freezing weather conditions may require a greater depth). The “Earthwork” and “Concrete” sections of this specification shall govern material requirements for the concrete footer. Posts setting by other methods such as plated posts or grouted core-drilled footers are permissible only if shown by engineering analysis to be sufficient in strength for the intended application.

3.3 FENCE INSTALLATION MAINTENANCE  
COPYRIGHT LEWIS, ELLIOTT, MCMORRAN,  
VADEN, RAGSDALE & WOODWARD, INC. 2023

Decorative Metal Fencing  
System – 32 31 19  
Page 3 of 4

3.3.1 When cutting/drilling rails or posts adhere to the following steps to seal the exposed steel surfaces;  
1) Remove all metal shavings from cut area. 2) Apply zinc-rich primer to thoroughly cover cut edge and/or drilled hole; let dry. 3) Apply 2 coats of custom finish paint matching fence color. Failure to seal exposed surfaces per steps 1-3 above will negate warranty. Ameristar spray cans or paint pens shall be used to prime and finish exposed surfaces; it is recommended that paint pens be used to prevent overspray. Use of non-Ameristar parts or components will negate the manufactures' warranty.

### 3.4 GATE INSTALLATION

3.4.1 Gate posts shall be spaced according to the gate drawings, dependent on standard out-to-out gate leaf dimensions and gate hardware selected. Type and quantity of gate hinges shall be based on the application; weight, height, and number of gate cycles. The manufacturers' gate drawings shall identify the necessary gate hardware required for the application. Gate hardware shall be provided by the manufacture of the gate and shall be installed per manufacturer's recommendations.

### 3.5 CLEANING

3.5.1 The contractor shall clean the jobsite of excess materials; post-hole excavations shall be scattered uniformly away from posts.

END OF SECTION



DOUBLE GATE, 48" WIDER THAN DRIVE  
 5' WIDE GATE (PEDESTRIAN), LOCKABLE

10' WIDE DBL. GATE (PEDESTRIAN), LOCKABLE

5' WIDE GATE (PEDESTRIAN), LOCKABLE

TWO (2) 30' WIDE DBL GATES, LOCKABLE

TWO (2) 28' WIDE GATES (POWERED), LOCKABLE

5' WIDE GATE (PEDESTRIAN), LOCKABLE

10' WIDE DBL GATE (PEDESTRIAN), LOCKABLE

THREE (3) 30' WIDE DBL GATE, LOCKABLE

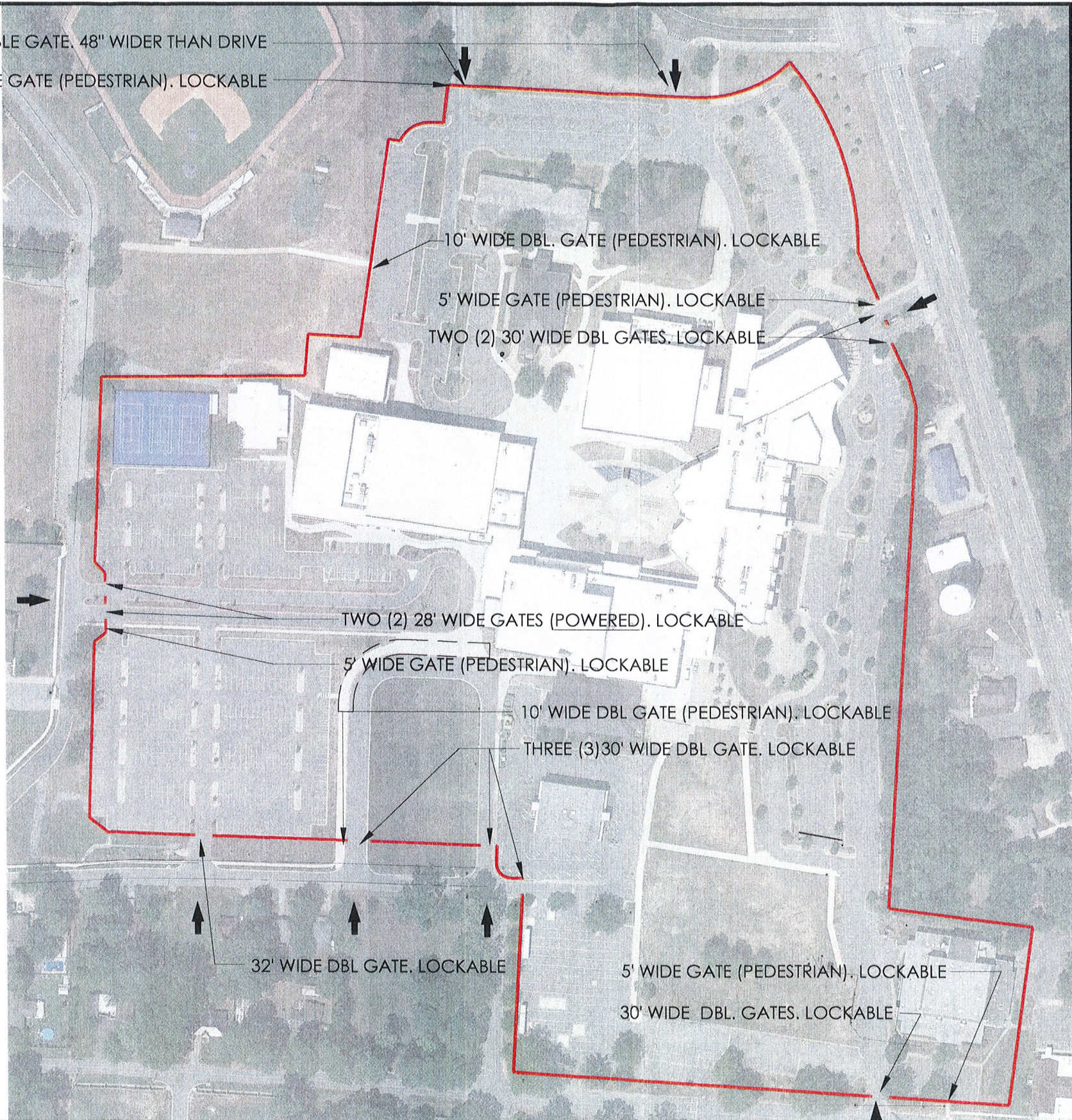
32' WIDE DBL GATE, LOCKABLE

5' WIDE GATE (PEDESTRIAN), LOCKABLE

30' WIDE DBL. GATES, LOCKABLE

**GENERAL NOTES**

1. FIELD VERIFY EXISTING DRIVE WIDTHS FOR VEHICULAR DOUBLE GATE. GATE POSTS SHALL BE INSTALLED APPROXIMATELY 18-24" FROM FACE OF CURB
2. ALL GATES SHALL BE SWINGING GATE LEAVES AND SHALL BE LOCKABLE
3. PROVIDE CONDUIT AND POWER AS REQUIRED FOR TWO POWERED GATES AT THE WEST SIDE OF SITE.



NORTH  
 1  
 A0.1 **SITE PLAN**  
 SCALE: 1" = 200'-0"

**BRYANT HIGH SCHOOL FENCING**

BRYANT SCHOOL DISTRICT  
 BRYANT, ARKANSAS

LEWIS ARCHITECTS ENGINEERS  
 ELLIOTT • McMORRAN • VADEN  
 RAGSDALE • WOODWARD • INCORPORATED  
 501.223.9302 • FAX 501.223.9909 • WWW.LEMVRW.COM

JOB NO. 23038	DATE: 05-26-23	SCALE: SEE DRAWING	DRAWING NO: <b>A0.1</b>
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City of Bryant, Arkansas  
 Community Development  
 210 SW 3<sup>rd</sup> Street Bryant, AR 72022  
 501-943-0943



## Temporary Business Application For the Sale of Fireworks

- Applications are due by 5:00PM Wednesday the week prior to the Scheduled Development and Review Committee Meeting.
- Application Deadlines and dates can be found at [www.cityofbryant.com](http://www.cityofbryant.com) under the Community Development tab.

Date: 6/6/23

### Business Information:

Name MARK BRADFORD Fire works  
 Federal Tax Employer ID Number 453216207  
 Arkansas State Sales Tax Number ~~CAN~~ PROVIDE  
 Location of Proposed Temporary Business 23395 I-30

### Business Owner:

Name MARK BRADFORD  
 Address 17 ASHLEE BLVD  
NASH, TX 75569  
 Phone 903-826-4453  
 Email imafreely76@gmail.com

### Contact Person:

Name SAME  
 Address \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Email \_\_\_\_\_

### Checklist for Submission

- Completed Application and Checklist
- Twenty-Five Dollar (\$25.00) Application fee
- Provide proof of 1,000,000 Liability Insurance or Surety Bond worth the same amount.  
 (Further information on the details of liability insurance can be found in Section 2-4 of the Temporary Business Section of the Bryant Business Ordinance.)

(Continued on Page 2)

- Eight (8) copies of a **Site Plan**:
  - Site Plan shall be to scale, all structures shall be identified. Clear identification of any open display areas
  - Fireworks tent / canopy shall have a minimum 50ft. setback from all other structures
  - Show parking spaces dedicated by the owner of the property for use by the temporary business.
- Exits shall be provided every 100 ft. with a minimum of 2 remotely located exits  
Minimum exit width shall be 72 in. All exits shall be identified with proper signage
- No smoking permitted within 50 ft. of firework tent / canopy. "NO SMOKING" signs shall be posted at all entrance / exits
- 2 ABC fire extinguishers, with a 2A rating or greater, shall be provided. The maximum travel distance to an extinguisher shall not exceed 75 ft. Additional extinguishers may be required. Extinguishers shall be clearly visible, marked with appropriate signage, and mounted height of not less than 36 in. from the ground
- Generators or other combustion power sources, including fuel, shall be separated from tents / canopies by a minimum of 25 ft.
- Applicant shall contact the Bryant Fire Dept. Fire Marshal's office and schedule an inspection once the business is ready for operation. The inspection shall be conducted prior to any sales to the public are allowed. Contact: 501-943-0964

**READ CAREFULLY BEFORE SIGNING**

I, MARK BRADFORD, do hereby certify that all information contained within this application is true and correct. I further certify that I agree too and will abide by all Temporary Business rules and regulations as outlined in the Bryant Business Ordinance. I also understand that I shall comply with all additional applicable ordinances of the City as well as the requirements of all state and federal laws. Furthermore, I understand violation of Temporary Business Ordinance 2007-43 is a misdemeanor punishable by a fine of up to \$500.00 per occurrence of violation. Each day's occurrence is a separate violation.

Owners Signature Mark Bradford

AN ORDINANCE TO LIMIT THE SALE AND DISCHARGE OF FIREWORKS WITHIN THE CITY OF BRYANT, AND FOR OTHER PURPOSES.

WHEREAS, it is the desire of the City of Bryant to maintain the safety and peace of the city.

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of Bryant, Arkansas, that:

Section 1: The term "fireworks" means and includes any combustible or explosive composition or any substance, combination of substances, or article prepared for the purpose of producing a visible or audible effect by combustion, explosion deflagration, or detonation and includes, but is not limited to, sky rockets, roman candles, daygo bombs, blank cartridges, toy cannons, toy canes, or toy guns in which explosives other than toy paper caps are used, the type of balloons which require fire underneath to propel them, firecrackers, torpedoes, sparklers, or other fireworks of like construction, any fireworks containing any explosive or flammable compound, or any tablet or other device containing any explosive substance. This definition includes items which contain even small amounts of silver fulminate, potassium nitrate, ammonium perchlorate, or other chemical or pyrotechnical composition intended to produce a pyrotechnic event or effect, even if not classified as a "hazardous material" under federal regulation.

Section 2: **Regulations**

- A. No individual, firm, partnership, corporation, or association shall possess for sale, sell, or offer for sale at retail, or discharge within the city limits, any fireworks, as defined herein, except as specifically provided in this chapter.
- B. No parent, guardian, or custodian of any child under the age of majority shall knowingly permit or consent to the possession or discharge of fireworks by any child under the age of majority without proper supervision. Possession or discharge by any child under the age of majority within the city limits shall be *prima facie* evidence of the knowing permission or consent of such parent, guardian, or custodian.
- C. No fireworks may be discharged within the boundaries of or within three hundred (300) feet of any public park owned or maintained by the City without a public display permit except as otherwise provided in this chapter. No fireworks may be discharged upon any public street, alley, road, or right-of-way, except as otherwise provided in this chapter. No fireworks may be discharged within 1000 feet of any

hospital, nursing, or assisted living facility. No fireworks may be discharged under or upon a motor vehicle, whether moving or not, or within 300 feet of any gas station; gas, oil, or propane storage facility; or other area which is highly flammable by nature.

D. Subject to the limitations contained in this chapter, fireworks, as listed below, may be discharged within the city limits only on private property of the owner, or with the owner's permission when such discharge is in a safe and sane manner, and limited to the 4th of July holiday only:

1. Between 12:00 p.m. and 10:00 p.m. July 3rd;
2. Between 12:00 p.m. and 10:00 p.m. July 4th; and
3. Between 12:00 p.m. and 10:00 p.m. July 5th;

And for the New Year's Day holiday only from 12:00 p.m. and 10:00 p.m. December 31st and 12:00 p.m. and 10:00 p.m. January 1st. As used in this part, "safe and sane manner" refers to actions which do not endanger life, limb or property of those in the area of the discharge. Nothing in allowing the discharge of fireworks within the city limits relieves the individual, firm, partnership, corporation, or association of its responsibility for any injury or damage caused to individuals or property by the discharge of the fireworks. Any discharge, with or without a permit, is at the individual, firm, partnership, corporation or association's own risk, and is not sanctioned by this ordinance.

- E. When, in the opinion of the Fire Chief, drought or other conditions exist which, when coupled with the discharge of fireworks, would pose a hazard to persons or property, the Fire Chief shall issue a ban on the discharge of all fireworks until such time as the condition causing the ban ceases to exist.
- F. Any individual, firm, partnership, corporation, or association discharging fireworks under this ordinance shall, upon such discharge, be responsible for clean-up of the discharge site, including disposal of all discharged fireworks, all non-discharged or "dud" fireworks, and the associated debris from the discharged fireworks in a safe manner.
- G. The safe and sane discharge of fireworks in accordance with the provisions of this chapter shall not be deemed a violation of Ordinance 2005-05, otherwise known as the 'Noise Ordinance.'

**Section 3: Public Display Permitted When**

- A. Public display is permitted when performed in accordance with the Rules and Regulations of the Bryant Planning Commission and the State Fire Marshall. The most recent Rules & Regulations are hereby adopted by reference.

Section 4: The sale or display for sale of fireworks shall be unlawful within the City unless the appropriate firework permit is obtained from the City through the Planning Commission.

**Section 5: Enforcement**

- A. The Police Department, Fire Department and Code Enforcement Officers shall enforce the rules and regulations of this chapter.
- B. Any code enforcement officer, police officer or firefighter may, in the enforcement of this chapter, seize, impound, remove, or cause to be removed, at the expense of the owner, all stocks of fireworks offered for sale, sold, or in the possession of any individual, firm, partnership, corporation, or association in violation of this chapter. Notice of the seizure and the reasons for the seizure shall be reported to the Police Chief within 48 hours of the seizure.
- C. Fireworks seized under this section may be disposed of in a safe and proper manner by the Police Department ten days after seizure.
- D. Appeal of any seizure shall be filed with the Police Chief in writing within five working days of the seizure. The decision of the Police Chief on the appeal shall be final.

**Section 6: Violation – Penalty**

Any individual, firm, partnership, corporation, or association violating the provisions of this chapter shall be guilty of a misdemeanor and, upon conviction, shall be punished by a fine of not less than \$100 or more than \$500 for a first offense, a fine of not less than \$200 or more than \$500 for a second offense, and a fine of not less than \$300 or more than \$500 for a third or subsequent offense. Each day of a violation constitutes a separate offense. In the case of a violation by a firm, partnership, corporation, or association, the manager or members of the partnership or responsible officers or agents shall be deemed to be *prima facie* responsible, individually, and subject to the penalty as provided.

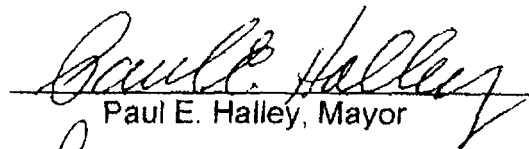
Any damages caused or injuries sustained as a result of any violation of this chapter shall be ordered paid as restitution as a part of any conviction for any violation.

The court may order the reimbursement of costs of enforcement, investigation, fire suppression services, and overtime related to a violation upon conviction.

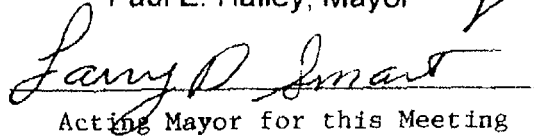
Section 7: Any previous ordinances in conflict herewith are hereby repealed.

Section 8: This ordinance shall take effect and be in full force from and after its passage.

PASSED AND APPROVED by the Bryant City Council on the day of ~~September~~ 25, 2006.

  
Paul E. Halley, Mayor

ATTEST:

  
Acting Mayor for this Meeting

CLERK:

  
Brenda Cockerham, City Clerk



**ARKANSAS STATE POLICE**  
 REGULATORY and BUILDING OPERATIONS DIVISION  
**FIRE MARSHAL'S OFFICE**

**0449**

**RETAIL FIREWORKS LICENSE - FEE \$25.00**

*LICENSE EXPIRES January 6, 2024*

This is to certify that the person named below is licensed to act as a RETAILER of FIREWORKS under the provision of Act 224 of 1961, as amended, State of Arkansas.

Name of Person Applying Mark Bradford Telephone #: (903) 826-4453

Address of Person Applying PO Box 1328 Nash TX 75569  
Street City Zip

Name of Organization Five Star Fireworks

Address of the Stand Location 23395 I-30 Bryant 72022  
Street City Zip

This license is issued to the person named above for use in making retail sales of PERMISSIBLE FIREWORKS from June 20 through July 10 and December 10 through January 5.

This license is not transferable and must be DISPLAYED AT ALL TIMES.

Vendor: Crazy Debbies

Date Issued: 5/25/23

License #: FW 843

*Major Michael Moyer #148*

Telephone #: (412) 782-2977

Major Michael Moyer  
 State Fire Marshal  
 Telephone (501) 618-8624

NOTICE: This license may be revoked by the State Fire Marshal or his deputies for violation of any of the provisions of the above referred to law.







# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/23/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Ryder Rosacker McCue & Huston (MGD by Hull & Company) 509 W Koenig St Grand Island NE 68801	<b>CONTACT NAME:</b> Kristy Wolfe <b>PHONE (A/C, No, Ext):</b> 308-382-2330 <b>E-MAIL ADDRESS:</b> Kwolfe@ryderinsurance.com	<b>FAX (A/C, No):</b> 308-382-7109
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> CDF Holding Company, Inc; Crazy Debbies Fireworks LLC Red Rhino Fireworks PO Box 2281 Joplin MO 64803	<b>INSURER A :</b> SCOTTSDALE INS CO	<b>NAIC #</b> 41297
	<b>INSURER B :</b>	
	<b>INSURER C :</b>	
	<b>INSURER D :</b>	
	<b>INSURER E :</b>	
	<b>INSURER F :</b>	

**COVERAGES** **CERTIFICATE NUMBER:** 1864595556 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC			CPS4042546	2/15/2023	2/15/2024	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<b>UMBRELLA LIAB</b> <b>EXCESS LIAB</b> OCCUR CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						WC STATUTORY LIMITS OTHER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
 Non-Owned Stand Coverage provided per attached form GLS-326s. Blanket Additional Insured applies to the entities listed below per attached form GLS-150s when required by written agreement.

For premise liability - this certificate reflects coverage for the dates and location noted below. For product liability - this certificate reflects coverage for products purchased from the above Named Insured only.

Dates of Operation: June 20 - July 5, 2023.  
 Location Address: 23395 Interstate 30 Bryant AR 72022  
 Addtl Insureds: Landowner - Jeff Holder; City of Bryant, Arkansas; Five Star Fireworks/Mark Bradford- Proprietor

**CERTIFICATE HOLDER****CANCELLATION**

Mark Bradford / Five Star Fireworks  
 17 Ashlee Blvd  
 Nash TX 75569

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

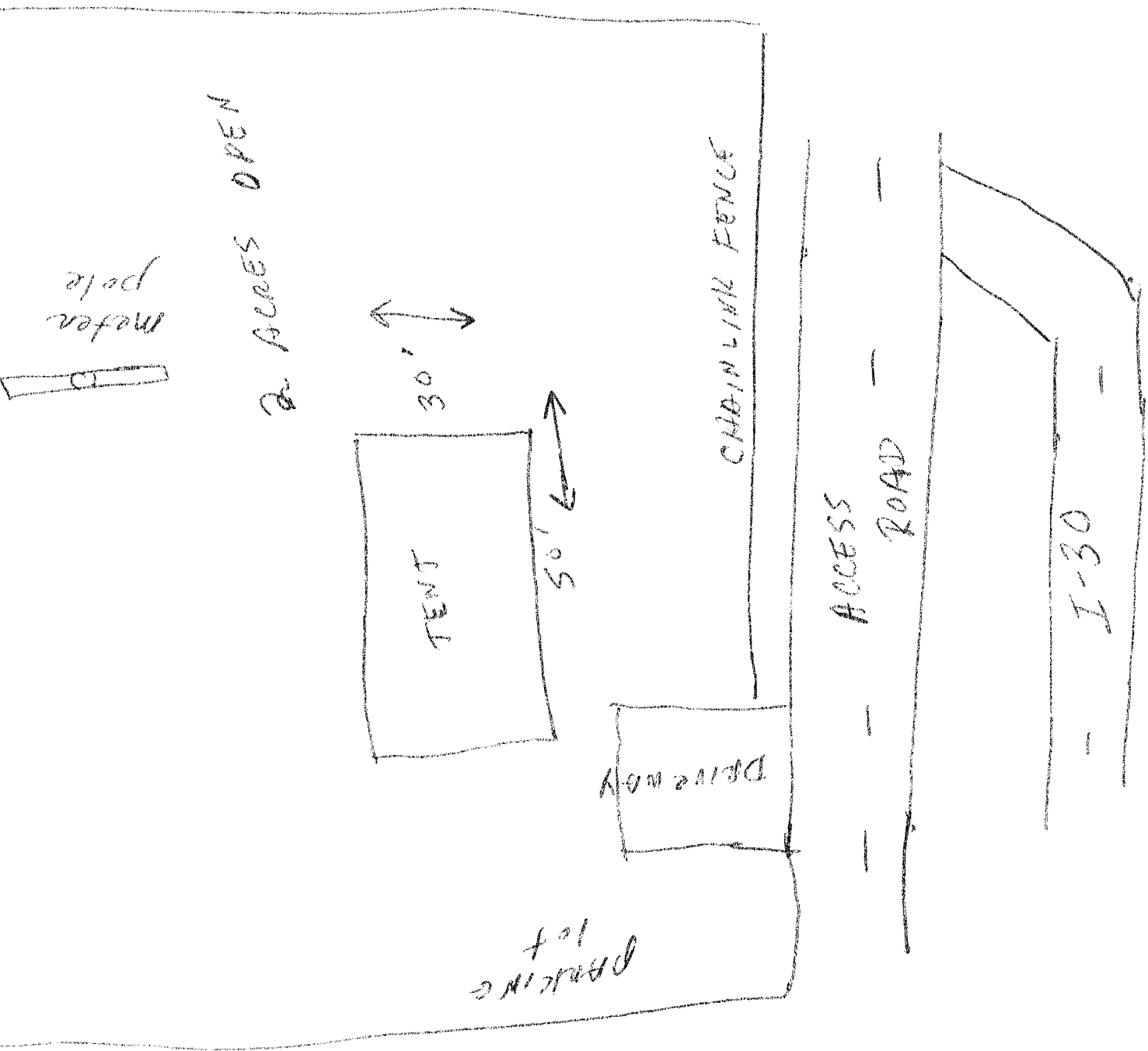
AUTHORIZED REPRESENTATIVE

*David...*

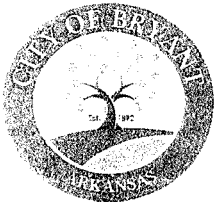


23395 I-30

FIVE STAR FIREWORKS Bryant, Ark







City of Bryant, Arkansas  
 Community Development  
 210 SW 3<sup>rd</sup> Street Bryant, AR 72022  
 501-943-0943



## Temporary Business Application For the Sale of Fireworks

- Applications are due by 5:00PM Wednesday the week prior to the Scheduled Development and Review Committee Meeting.
- Application Deadlines and dates can be found at www.cityofbryant.com under the Community Development tab.

Date: 6/6/23

Business Information:

Name MARK BRADFORD Fireworks  
 Federal Tax Employer ID Number 453216207  
 Arkansas State Sales Tax Number CAN PROVIDE  
 Location of Proposed Temporary Business 5407 Hwy 5

Business Owner:

Name MARK BRADFORD  
 Address 17 ASHLEE BLVD  
NASH, TX 75569  
 Phone 935-826-4453  
 Email imafreely76@gmail.com

Contact Person:

Name SAME  
 Address \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Email \_\_\_\_\_

Checklist for Submission

- Completed Application and Checklist
- Twenty-Five Dollar (\$25.00) Application fee
- Provide proof of 1,000,000 Liability Insurance or Surety Bond worth the same amount.  
 (Further information on the details of liability insurance can be found in Section 2-4 of the Temporary Business Section of the Bryant Business Ordinance.)

(Continued on Page 2)



**ARKANSAS STATE POLICE**  
 REGULATORY and BUILDING OPERATIONS DIVISION  
**FIRE MARSHAL'S OFFICE**

**0450**

**RETAIL FIREWORKS LICENSE - FEE \$25.00**

*LICENSE EXPIRES January 6, 2024*

This is to certify that the person named below is licensed to act as a RETAILER of FIREWORKS under the provision of Act 224 of 1961, as amended, State of Arkansas.

Name of Person Applying Mark Bradford Telephone #: (903) 826-4453

Address of Person Applying PO Box 1328 Nash TX 75569  
Street City Zip

Name of Organization Five Star Fireworks

Address of the Stand Location 5407 Hwy 5 Bryant 72002  
Street City Zip

This license is issued to the person named above for use in making retail sales of PERMISSIBLE FIREWORKS from June 20 through July 10 and December 10 through January 5.

This license is not transferable and must be DISPLAYED AT ALL TIMES.

Vendor: Crazy Debbie's

Date Issued: 5/25/23

License #: FW 843

*Major Michael Moyer #148*

Major Michael Moyer  
 State Fire Marshal  
 Telephone (501) 618-8624

Telephone #: (417) 782-2977

NOTICE: This license may be revoked by the State Fire Marshal or his deputies for violation of any of the provisions of the above referred to law.



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/23/2023

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**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Ryder Rosacker McCue & Huston (MGD by Hull & Company) 509 W Koenig St Grand Island NE 68801	<b>CONTACT NAME:</b> Kristy Wolfe	
	<b>PHONE (A/C, No, Ext):</b> 308-382-2330	<b>FAX (A/C, No):</b> 308-382-7109
<b>E-MAIL ADDRESS:</b> Kwolfe@ryderinsurance.com		
<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
<b>INSURER A :</b> SCOTTSDALE INS CO		<b>41297</b>
<b>INSURER B :</b>		
<b>INSURER C :</b>		
<b>INSURER D :</b>		
<b>INSURER E :</b>		
<b>INSURER F :</b>		

**INSURED**  
 CDF Holding Company, Inc; Crazy Debbies Fireworks LLC  
 Red Rhino Fireworks  
 PO Box 2281  
 Joplin MO 64803

**COVERAGES** **CERTIFICATE NUMBER:** 1716471465 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	<b>GENERAL LIABILITY</b>			CPS4042546	2/15/2023	2/15/2024	EACH OCCURRENCE	\$ 2,000,000	
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 100,000	
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person)	\$ 5,000	
	GEN'L AGGREGATE LIMIT APPLIES PER:							PERSONAL & ADV INJURY	\$ 2,000,000
	<input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						GENERAL AGGREGATE	\$ 2,000,000	
	<b>AUTOMOBILE LIABILITY</b>						PRODUCTS - COMP/OP AGG	\$ 2,000,000	
	<input type="checkbox"/> ANY AUTO							\$	
	<input type="checkbox"/> ALL OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident)	\$	
	<input type="checkbox"/> HIRED AUTOS						BODILY INJURY (Per person)	\$	
	<input type="checkbox"/> SCHEDULED AUTOS						BODILY INJURY (Per accident)	\$	
	<input type="checkbox"/> NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	\$	
	<input type="checkbox"/> UMBRELLA LIAB							\$	
	<input type="checkbox"/> EXCESS LIAB						EACH OCCURRENCE	\$	
	<input type="checkbox"/> OCCUR						AGGREGATE	\$	
	<input type="checkbox"/> CLAIMS-MADE							\$	
	<input type="checkbox"/> DED							\$	
	<input type="checkbox"/> RETENTION \$							\$	
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b>						WC STATU-TORY LIMITS	OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)		<input type="checkbox"/> Y / N				E.L. EACH ACCIDENT	\$	
	If yes, describe under DESCRIPTION OF OPERATIONS below		N / A				E.L. DISEASE - EA EMPLOYEE	\$	
							E.L. DISEASE - POLICY LIMIT	\$	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Non-Owned Stand Coverage provided per attached form GLS-326s. Blanket Additional Insured applies to the entities listed below per attached form GLS-150s when required by written agreement.

For premise liability - this certificate reflects coverage for the dates and location noted below. For product liability - this certificate reflects coverage for products purchased from the above Named Insured only.

Dates of Operation: June 20 - July 5, 2023.

Location Address: 5407 Hwy 5 Bryant AR 72002.

Addl Insureds: Landowner - BJ Grant; City of Bryant, Arkansas; Five Star Fireworks/Mark Bradford- Proprietor

## CERTIFICATE HOLDER

## CANCELLATION

Mark Bradford / Five Star Fireworks  
 17 Ashlee Blvd  
 Nash TX 75569

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

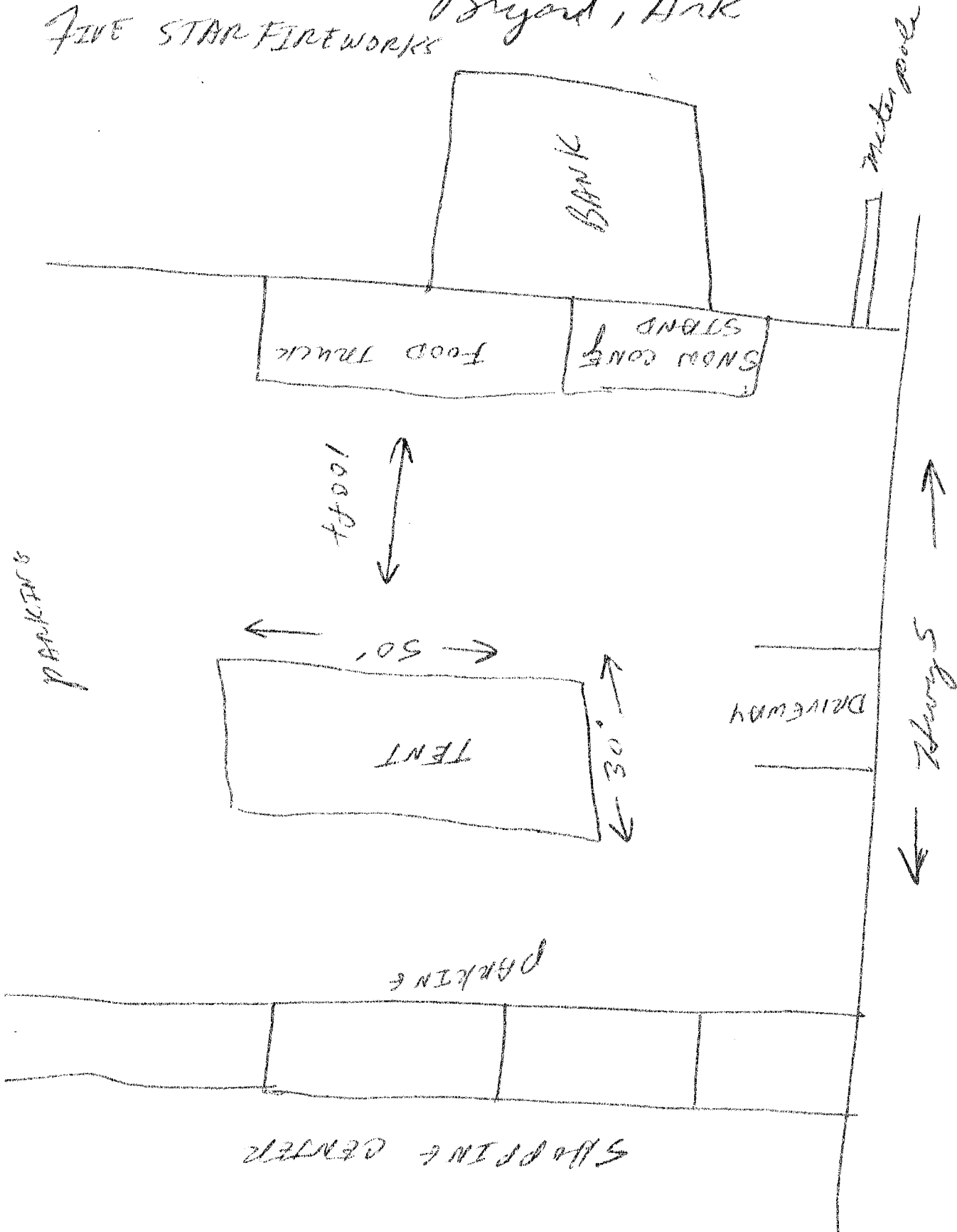
AUTHORIZED REPRESENTATIVE

*Signature*

5407 Hwy 5

Bryant, Ark

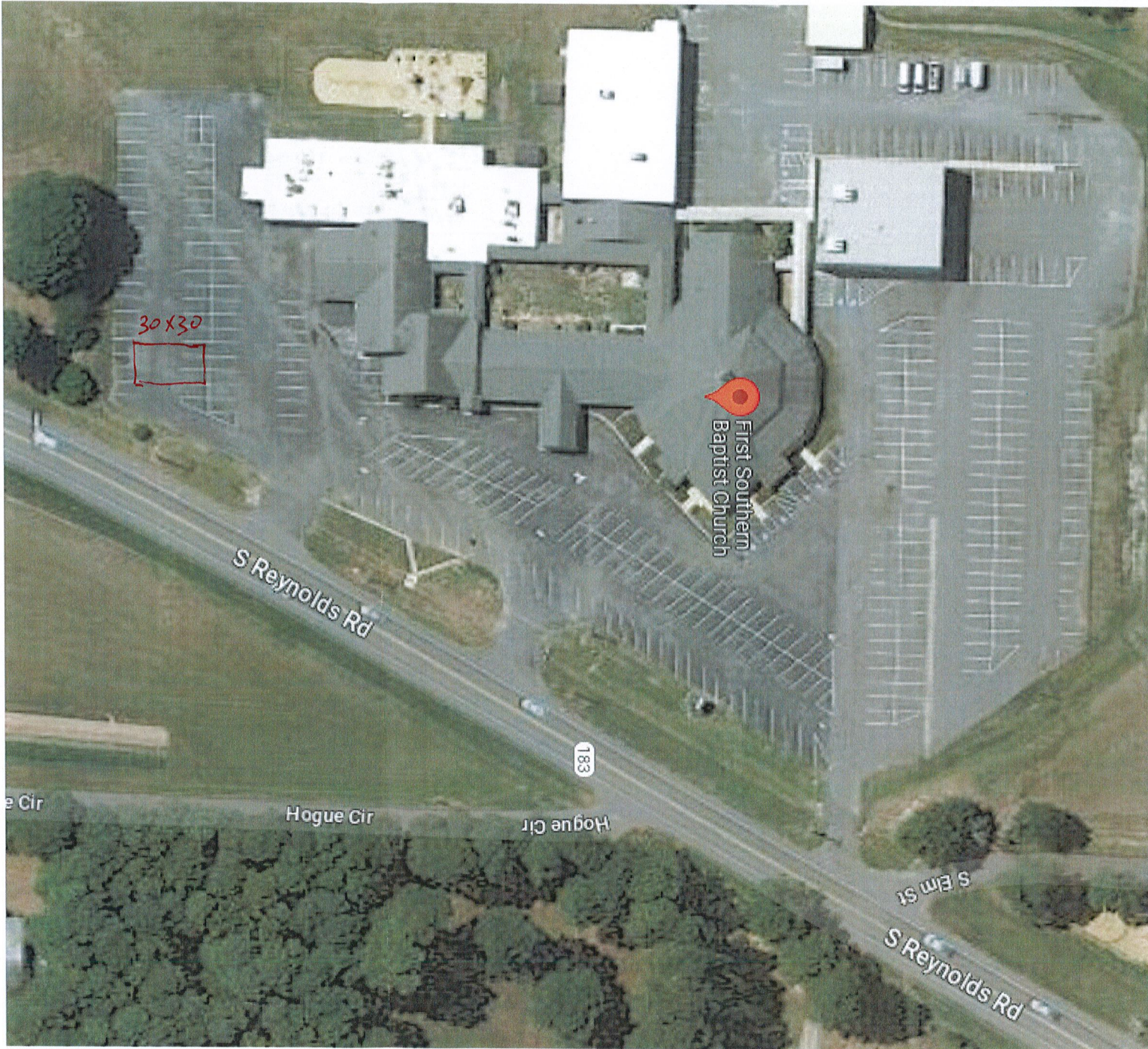
FIVE STAR FIREWORKS





1<sup>st</sup> Southern Baptist Church

80' OFF OF ROAD







City of Bryant, Arkansas  
 Community Development  
 210 SW 3rd Street Bryant, AR 72022  
 501-943-0943



## Temporary Business Application For the Sale of Fireworks

- Applications are due by 5:00PM Wednesday the week prior to the Scheduled Development and Review Committee Meeting.
- Application Deadlines and dates can be found at [www.cityofbryant.com](http://www.cityofbryant.com) under the Community Development tab.

Date: 6/3/23

**Business Information:**

Name Arnold Firework

Federal Tax Employer ID Number 710311720

Arkansas State Sales Tax Number 034327-60-001

Location of Proposed Temporary Business First Southern Baptist Church  
 604 South Reynolds Rd., BRYANT

**Business Owner:**

Name Tommy Daniel

Address P.O. Box 873  
 NLR, AR 72115

Phone 501-~~758-2624~~ 758-2624

Email ARKANSAS TENT @ YAHOO.COM

**Contact Person:**

Name TERRY HARPER

Address 3208 S. Shobe  
 BRYANT, AR 72022

Phone 501-590-8007

Email ~~THARPER@P~~ THARPER1977@gmail.com

**Checklist for Submission**

- Completed Application and Checklist
- Twenty-Five Dollar (\$25.00) Application fee
- Provide proof of 1,000,000 Liability Insurance or Surety Bond worth the same amount.  
 (Further information on the details of liability insurance can be found in Section 2-4 of the Temporary Business Section of the Bryant Business Ordinance.)

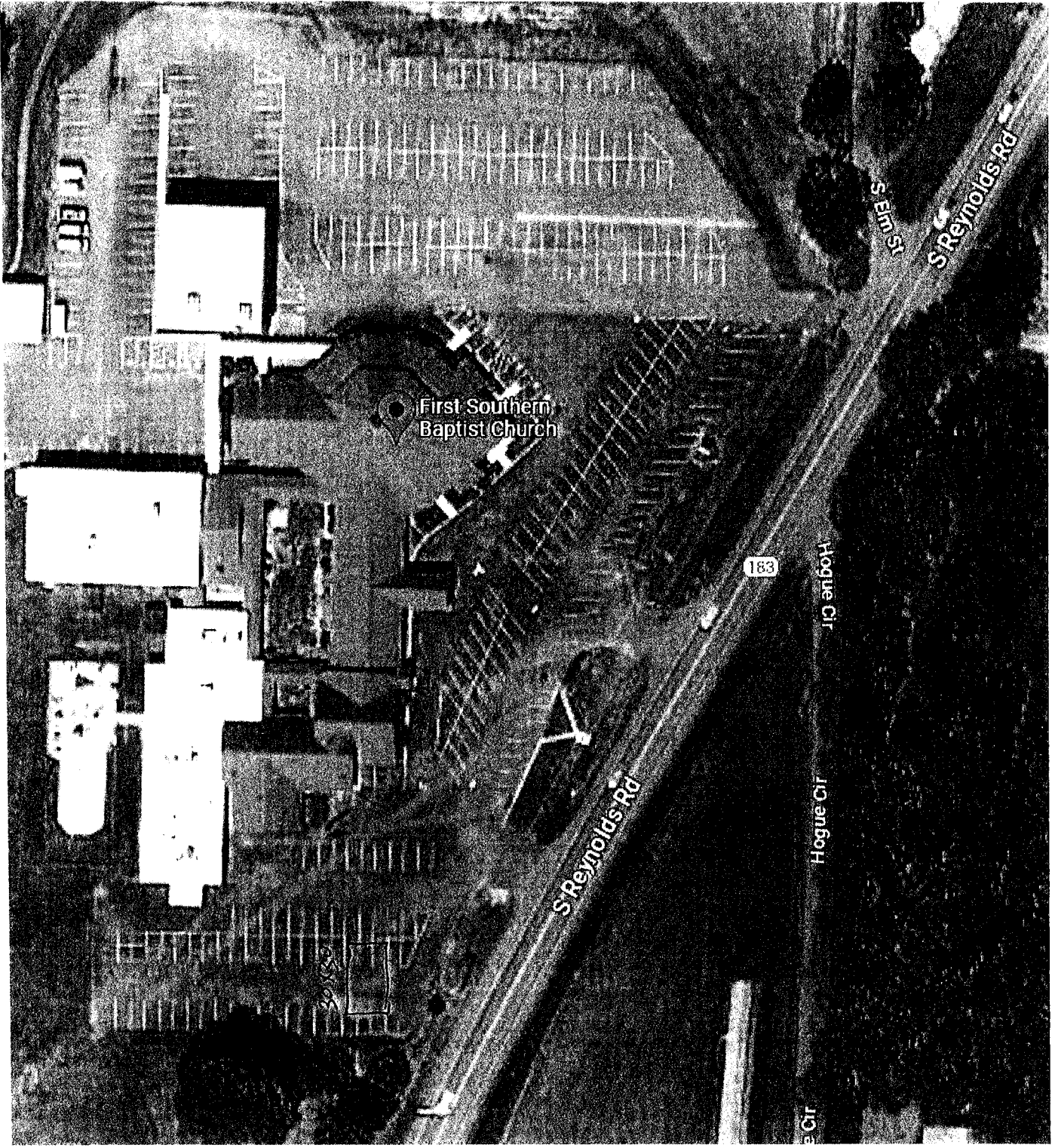
- Eight (8) copies of a **Site Plan**:
  - Site Plan shall be to scale, all structures shall be identified. Clear identification of any open display areas
  - Fireworks tent / canopy shall have a minimum 50ft. setback from all other structures
  - Show parking spaces dedicated by the owner of the property for use by the temporary business.
- Exits shall be provided every 100 ft. with a minimum of 2 remotely located exits  
Minimum exit width shall be 72 in. All exits shall be identified with proper signage
- No smoking permitted within 50 ft. of firework tent / canopy. "NO SMOKING" signs shall be posted at all entrance / exits
- 2 ABC fire extinguishers, with a 2A rating or greater, shall be provided. The maximum travel distance to an extinguisher shall not exceed 75 ft. Additional extinguishers may be required. Extinguishers shall be clearly visible, marked with appropriate signage, and mounted height of not less than 36 in. from the ground
- Generators or other combustion power sources, including fuel, shall be separated from tents / canopies by a minimum of 25 ft.
- Applicant shall contact the Bryant Fire Dept. Fire Marshal's office and schedule an inspection once the business is ready for operation. The inspection shall be conducted prior to any sales to the public are allowed. Contact: 501-943-0964

**READ CAREFULLY BEFORE SIGNING**

I, *Tommy Hancock & Tom Daniel*, do hereby certify that all information contained within this application is true and correct. I further certify that I agree too and will abide by all Temporary Business rules and regulations as outlined in the Bryant Business Ordinance. I also understand that I shall comply with all additional applicable ordinances of the City as well as the requirements of all state and federal laws. Furthermore, I understand violation of Temporary Business Ordinance 2007-43 is a misdemeanor punishable by a fine of up to \$500.00 per occurrence of violation. Each day's occurrence is a separate violation.

Owners Signature *[Signature]* *Tom Daniel*

1<sup>st</sup> Southern Baptist Church





# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
06-07-2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

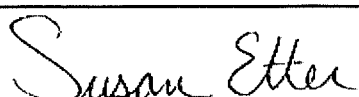
<b>PRODUCER</b>  PROFESSIONAL PROGRAM INSURANCE BROKERAGE DIVISION OF SPG INSURANCE SOLUTIONS, LLC 1304 SOUTHPOINT BLVD., #101 PETALUMA CA, 94954	<b>CONTACT NAME:</b> PHONE (A/C, No, Ext): 415-475-4300      FAX (A/C, No): 415-475-4304 E-MAIL ADDRESS: info@ppibcorp.com	
	<b>INSURER(S) AFFORDING COVERAGE</b> NAIC # INSURER A: Certain Underwriters at Lloyd's, London      AA-1128623 INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	
<b>INSURED</b>  Arnold Fireworks, Inc.; Spa Fireworks, Co. PO Box 873 N. Little Rock, AR 72115		

**COVERAGES      CERTIFICATE NUMBER:      REVISION NUMBER:**

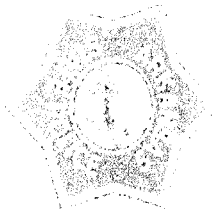
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input checked="" type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	X		PY/23-0063	04/30/2023	04/30/2024	EACH OCCURRENCE	\$ 1,000,000
	DAMAGE TO RENTED PREMISES (Ea occurrence)						\$ 50,000	
	MED EXP (Any one person)						\$	
	PERSONAL & ADV INJURY						\$	
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$
								\$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident)	\$
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE  DED    RETENTION \$						EACH OCCURRENCE	\$
							AGGREGATE	\$
								\$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory In NH) If yes, describe under DESCRIPTION OF OPERATIONS below						WC STATUTORY LIMITS	OTHER
							E.L. EACH ACCIDENT	\$
							E.L. DISEASE - EA EMPLOYEE	\$
							E.L. DISEASE - POLICY LIMIT	\$

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES** (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
First Southern Baptist Church; Peter Cunningham are Additional Insured as respects the retail fireworks stand operated by named insured, located at 604 Reynolds Rd. Bryant, AR 72022 operating from 6/25/2023 through 7/5/2023.

<b>CERTIFICATE HOLDER</b>  First Southern Baptist Church 604 Reynolds Rd. Bryant AR 72022	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
---	---

THIS LICENSE MUST BE CONSPICUOUSLY DISPLAYED IN A PLACE OF BUSINESS



# Arkansas State Police



Number

FW.0000894

State Fire Marshal's Office

Date of Issue

05/01/2023

## FIREWORKS LICENSE

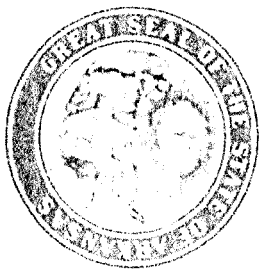
This is to certify that

**Arnold Fireworks Inc**

is duly licensed to transact business in the State of Arkansas as a Fireworks:

**Distributor; Importer**

LICENSE EXPIRES



**COLONEL MIKE HAGAR  
DIRECTOR**

**MAJOR MICHAEL MOYER  
STATE FIRE MARSHAL**

NON-TRANSFERABLE



# Western Surety Company

## CONTINUATION CERTIFICATE

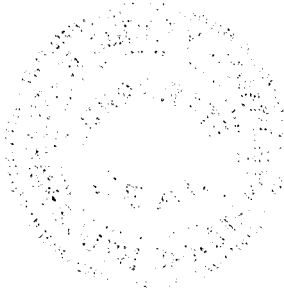
Western Surety Company hereby continues in force Bond No. 15158150 briefly described as VENDOR CITY OF BRYANT  
 \_\_\_\_\_  
 for ARNOLD FIREWORKS, INC.  
 \_\_\_\_\_, as Principal,  
 in the sum of \$ ONE THOUSAND AND NO/100 Dollars, for the term beginning June 13, 2023, and ending June 13, 2024, subject to all the covenants and conditions of the original bond referred to above.

This continuation is issued upon the express condition that the liability of Western Surety Company under said Bond and this and all continuations thereof shall not be cumulative and shall in no event exceed the total sum above written.

Dated this 26th day of May, 2023.

WESTERN SURETY COMPANY

By Paul T. Bruflat  
 Paul T. Bruflat, Vice President



**THIS "Continuation Certificate" MUST BE FILED WITH THE ABOVE BOND.**

# Western Surety Company

## POWER OF ATTORNEY

### KNOW ALL MEN BY THESE PRESENTS:

That WESTERN SURETY COMPANY, a corporation organized and existing under the laws of the State of South Dakota, and authorized and licensed to do business in the States of Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming, and the United States of America, does hereby make, constitute and appoint

Paul T. Bruflat of Sioux Falls,  
State of South Dakota, its regularly elected Vice President,  
as Attorney-in-Fact, with full power and authority hereby conferred upon him to sign, execute, acknowledge and deliver for and on its behalf as Surety and as its act and deed, the following bond:

One VENDOR CITY OF BRYANT

bond with bond number 15158150

for ARNOLD FIREWORKS, INC.

as Principal in the penalty amount not to exceed: \$1,000.00

Western Surety Company further certifies that the following is a true and exact copy of Section 7 of the by-laws of Western Surety Company duly adopted and now in force, to-wit:

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys-in-Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

In Witness Whereof, the said WESTERN SURETY COMPANY has caused these presents to be executed by its Vice President Paul T. Bruflat with the corporate seal affixed this 26th day of May, 2023

ATTEST

L. Bauder, Assistant Secretary

WESTERN SURETY COMPANY

By

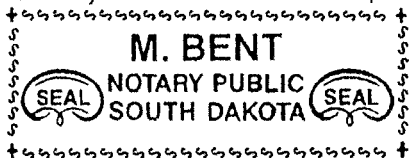
Paul T. Bruflat, Vice President

STATE OF SOUTH DAKOTA }  
COUNTY OF MINNEHAHA } ss



On this 26th day of May, 2023, before me, a Notary Public, personally appeared Paul T. Bruflat and L. Bauder

who, being by me duly sworn, acknowledged that they signed the above Power of Attorney as Vice President and Assistant Secretary, respectively, of the said WESTERN SURETY COMPANY, and acknowledged said instrument to be the voluntary act and deed of said Corporation.



Notary Public

My Commission Expires March 2, 2026

To validate bond authenticity, go to [www.cnasurety.com](http://www.cnasurety.com) > Owner/Obligee Services > Validate Bond Coverage.





ARKANSAS SALES AND USE TAX PERMIT

ARNOLD FIREWORKS INC

DATE ISSUED:

P O BOX 873

PERMIT NUMBER: 034327-60-001

N LITTLE ROCK AR 72115

DLN:

DATE OPENED: 05/01/1971

SIC: 5042

TOYS AND HOBBY GOODS AND SUPPLIES

EXEMPTION: 81 THIS BUSINESS IS EXEMPT FROM SALES TAX, ONLY FOR THE PURCHASES OF GOODS TO BE RESOLD IN THE NORMAL COURSE OF BUSINESS.

THIS PERMIT IS VALID UNTIL IT IS CANCELED AND SURRENDERED BY THE PERMIT HOLDER OR REVOKED BY THE COMMISSIONER OF REVENUES.

THIS PERMIT MUST BE SURRENDERED IF BUSINESS IS SOLD, DISCONTINUED OR LOCATION CHANGED.

WHEN THIS PERMIT IS SURRENDERED FOR ANY OF THE ABOVE REASONS, YOU MUST REPORT AND PAY ANY SALES OR USE TAX PLUS ANY PENALTIES OR INTEREST THAT IS OWED BY THIS BUSINESS. FAILURE TO PAY THESE TAXES WILL RESULT IN A LIEN BEING PLACED AGAINST THE STOCK AND FIXTURES OF THIS BUSINESS AND THE SAME IS ENFORCEABLE AGAINST PURCHASERS AND THIRD PARTIES.

\*\* PERMIT MUST BE DISPLAYED IN A PROMINENT PLACE IN YOUR BUSINESS \*\*



City of Bryant, Arkansas  
 Community Development  
 210 SW 3<sup>rd</sup> Street Bryant, AR 72022  
 501-943-0943



## Temporary Business Application For the Sale of Fireworks

- Applications are due by 5:00PM Wednesday the week prior to the Scheduled Development and Review Committee Meeting.
- Application Deadlines and dates can be found at [www.cityofbryant.com](http://www.cityofbryant.com) under the Community Development tab.

Date: 6/3/23

### Business Information:

Name Arnold Firework  
 Federal Tax Employer ID Number 710311720  
 Arkansas State Sales Tax Number 034327-60-001  
 Location of Proposed Temporary Business 2703 Springhill rd, BRYANT

### Business Owner:

Name Tommy Daniel  
 Address P.O. Box 873  
NLR, AR 72115  
 Phone 501-758-2624  
 Email ARKANSAS TENT @ YAHOO.COM

### Contact Person:

Name Tommy HARPER  
 Address 3208 S. Shore  
BRYANT, AR 72022  
 Phone 501-590-8007  
 Email ~~THARPER@P~~ THARPER1977@gmail.com

### Checklist for Submission


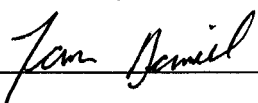
- Completed Application and Checklist
- Twenty-Five Dollar (\$25.00) Application fee
- Provide proof of 1,000,000 Liability Insurance or Surety Bond worth the same amount.  
 (Further information on the details of liability insurance can be found in Section 2-4 of the Temporary Business Section of the Bryant Business Ordinance.)

(Continued on Page 2)

- Eight (8) copies of a **Site Plan**:
  - Site Plan shall be to scale, all structures shall be identified. Clear identification of any open display areas
  - Fireworks tent / canopy shall have a minimum 50ft. setback from all other structures
  - Show parking spaces dedicated by the owner of the property for use by the temporary business.
- Exits shall be provided every 100 ft. with a minimum of 2 remotely located exits  
Minimum exit width shall be 72 in. All exits shall be identified with proper signage
- No smoking permitted within 50 ft. of firework tent / canopy. "NO SMOKING" signs shall be posted at all entrance / exits
- 2 ABC fire extinguishers, with a 2A rating or greater, shall be provided. The maximum travel distance to an extinguisher shall not exceed 75 ft. Additional extinguishers may be required. Extinguishers shall be clearly visible, marked with appropriate signage, and mounted height of not less than 36 in. from the ground
- Generators or other combustion power sources, including fuel, shall be separated from tents / canopies by a minimum of 25 ft.
- Applicant shall contact the Bryant Fire Dept. Fire Marshal's office and schedule an inspection once the business is ready for operation. The inspection shall be conducted prior to any sales to the public are allowed. Contact: 501-943-0964

**READ CAREFULLY BEFORE SIGNING**

I, Frank Walker & Tom Daniel, do hereby certify that all information contained within this application is true and correct. I further certify that I agree to and will abide by all Temporary Business rules and regulations as outlined in the Bryant Business Ordinance. I also understand that I shall comply with all additional applicable ordinances of the City as well as the requirements of all state and federal laws. Furthermore, I understand violation of Temporary Business Ordinance 2007-43 is a misdemeanor punishable by a fine of up to \$500.00 per occurrence of violation. Each day's occurrence is a separate violation.

Owners Signature  



Spring Hill Grocery  
Convenience store

Phe Phe's House of  
Hair Dog Grooming

Springhill Wholesale  
Temporarily closed

2711

20 x 30

Springhill Rd

Springhill Rd

Springhill Rd

Springhill Rd

Springhill Rd

St



Spring Hill Grocery  
Convenience store

Pine Pine's House of  
Hair Dog Grooming

Springhill Wholesale  
Temporarily closed

2711

20 Y 30

Springhill Rd

Springhill Rd

Springhill Rd

Springhill Rd

Springhill Rd

Springhill Rd





THIS LICENSE MUST BE CONSPICUOUSLY DISPLAYED IN A PLACE OF BUSINESS



# Arkansas State Police

## State Fire Marshal's Office

**Number**  
FW.0000894

**Date of Issue**  
05/01/2023

### FIREWORKS LICENSE

This is to certify that

**Arnold Fireworks Inc**

is duly licensed to transact business in the State of Arkansas as a Fireworks:

**Distributor; Importer**

**LICENSE EXPIRES**

**04/30/2024**



**COLONEL MIKE HAGAR  
DIRECTOR**

*Major Michael Moyer #148*

**MAJOR MICHAEL MOYER  
STATE FIRE MARSHAL**

NON-TRANSFERABLE





# Western Surety Company

## CONTINUATION CERTIFICATE

Western Surety Company hereby continues in force Bond No. 15158150 briefly described as VENDOR CITY OF BRYANT

\_\_\_\_\_ ,

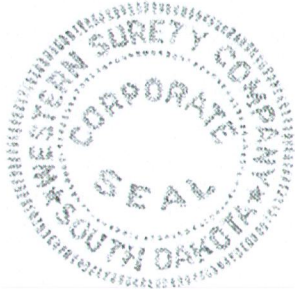
for ARNOLD FIREWORKS, INC.

\_\_\_\_\_ , as Principal,

in the sum of \$ ONE THOUSAND AND NO/100 Dollars, for the term beginning June 13 , 2023 , and ending June 13 , 2024 , subject to all the covenants and conditions of the original bond referred to above.

This continuation is issued upon the express condition that the liability of Western Surety Company under said Bond and this and all continuations thereof shall not be cumulative and shall in no event exceed the total sum above written.

Dated this 26th day of May , 2023 .



WESTERN SURETY COMPANY

By Paul T. Bruffat  
Paul T. Bruffat, Vice President

**THIS "Continuation Certificate" MUST BE FILED WITH THE ABOVE BOND.**



# Western Surety Company

## POWER OF ATTORNEY

### KNOW ALL MEN BY THESE PRESENTS:

That WESTERN SURETY COMPANY, a corporation organized and existing under the laws of the State of South Dakota, and authorized and licensed to do business in the States of Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming, and the United States of America, does hereby make, constitute and appoint

Paul T. Brufflat of Sioux Falls,  
State of South Dakota, its regularly elected Vice President,  
as Attorney-in-Fact, with full power and authority hereby conferred upon him to sign, execute, acknowledge and deliver for and on its behalf as Surety and as its act and deed, the following bond:

One VENDOR CITY OF BRYANT

bond with bond number 15158150

for ARNOLD FIREWORKS, INC.

as Principal in the penalty amount not to exceed: \$1,000.00

Western Surety Company further certifies that the following is a true and exact copy of Section 7 of the by-laws of Western Surety Company duly adopted and now in force, to-wit:

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys-in-Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

In Witness Whereof, the said WESTERN SURETY COMPANY has caused these presents to be executed by its Vice President Paul T. Brufflat with the corporate seal affixed this 26th day of May, 2023

ATTEST

*L. Bauder*

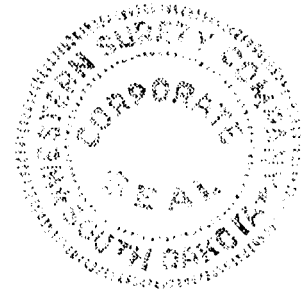
L. Bauder, Assistant Secretary

WESTERN SURETY COMPANY

By

*Paul T. Brufflat*

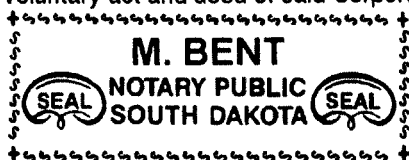
Paul T. Brufflat, Vice President



STATE OF SOUTH DAKOTA }  
COUNTY OF MINNEHAHA } ss

On this 26th day of May, 2023, before me, a Notary Public, personally appeared Paul T. Brufflat and L. Bauder

who, being by me duly sworn, acknowledged that they signed the above Power of Attorney as Vice President and Assistant Secretary, respectively, of the said WESTERN SURETY COMPANY, and acknowledged said instrument to be the voluntary act and deed of said Corporation.



*M. Bent*

Notary Public

My Commission Expires March 2, 2026

To validate bond authenticity, go to [www.cnasurety.com](http://www.cnasurety.com) > Owner/Obligee Services > Validate Bond Coverage.



*State of Arkansas*  
ARKANSAS SALES AND USE TAX PERMIT

ARNOLD FIREWORKS INC

DATE ISSUED:

P O BOX 873

PERMIT NUMBER: 034327-60-001

N LITTLE ROCK AR 72115

DLN:

DATE OPENED: 05/01/1971

SIC: 5042

TOYS AND HOBBY GOODS AND SUPPLIES

EXEMPTION: 81 THIS BUSINESS IS EXEMPT FROM SALES TAX, ONLY FOR THE PURCHASES OF GOODS TO BE RESOLD IN THE NORMAL COURSE OF BUSINESS.

THIS PERMIT IS VALID UNTIL IT IS CANCELED AND SURRENDERED BY THE PERMIT HOLDER OR REVOKED BY THE COMMISSIONER OF REVENUES.

THIS PERMIT MUST BE SURRENDERED IF BUSINESS IS SOLD, DISCONTINUED OR LOCATION CHANGED.

WHEN THIS PERMIT IS SURRENDERED FOR ANY OF THE ABOVE REASONS, YOU MUST REPORT AND PAY ANY SALES OR USE TAX PLUS ANY PENALTIES OR INTEREST THAT IS OWED BY THIS BUSINESS. FAILURE TO PAY THESE TAXES WILL RESULT IN A LIEN BEING PLACED AGAINST THE STOCK AND FIXTURES OF THIS BUSINESS AND THE SAME IS ENFORCEABLE AGAINST PURCHASERS AND THIRD PARTIES.

\*\* PERMIT MUST BE DISPLAYED IN A PROMINENT PLACE IN YOUR BUSINESS \*\*

# GNE

3825 Mt Carmel Rd.  
Bryant, AR 72022

**GarNat Engineering, LLC**

P.O. Box 116  
Benton, AR 72018

June 7, 2023

Mr. Truett Smith  
Bryant Planning Coordinator / Planning Commission Secretary  
210 SW 3rd Street  
Bryant, AR 72022

Re: Final Plat – Saratoga Place Subdivision

Dear Mr. Smith:

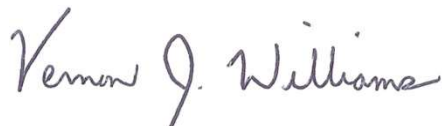
Please allow this letter and following list of enclosures to serve as my application for approval of the referenced final plat. It is my desire that this matter be included on the agenda for your July 2023 City of Bryant Planning Commission meeting. The developer for the project is Thomas D.B. Collins LTD, 39 Walnut Valley Drive, Little Rock, Arkansas 72211, [owencreek@comcast.net](mailto:owencreek@comcast.net), (501) 680-0970.

## List of Enclosures

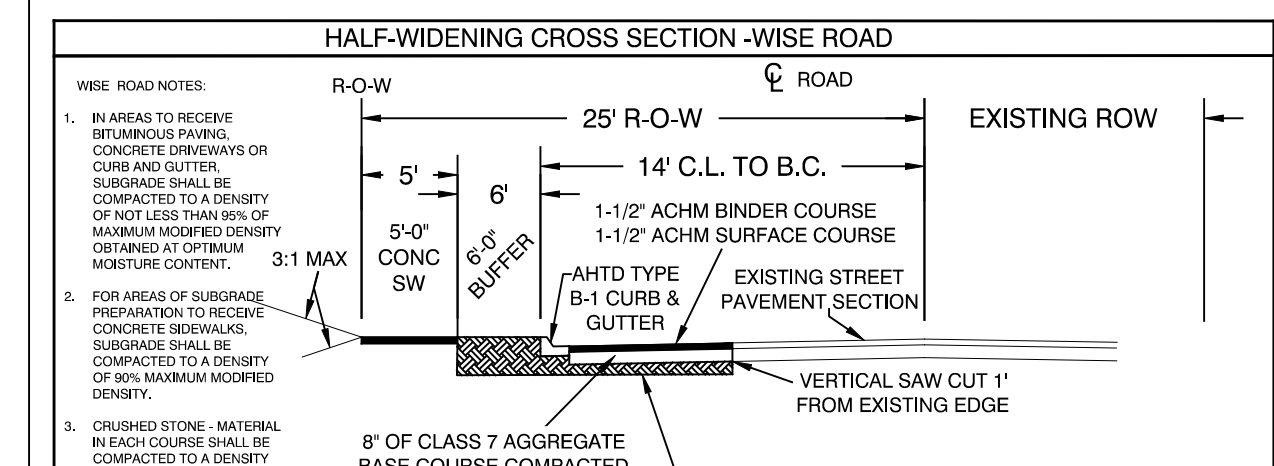
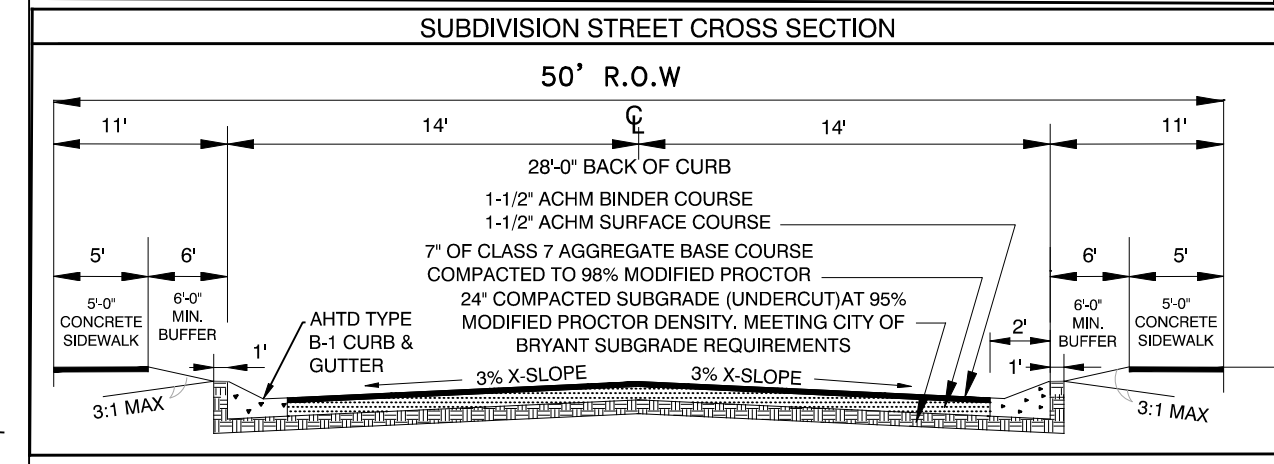
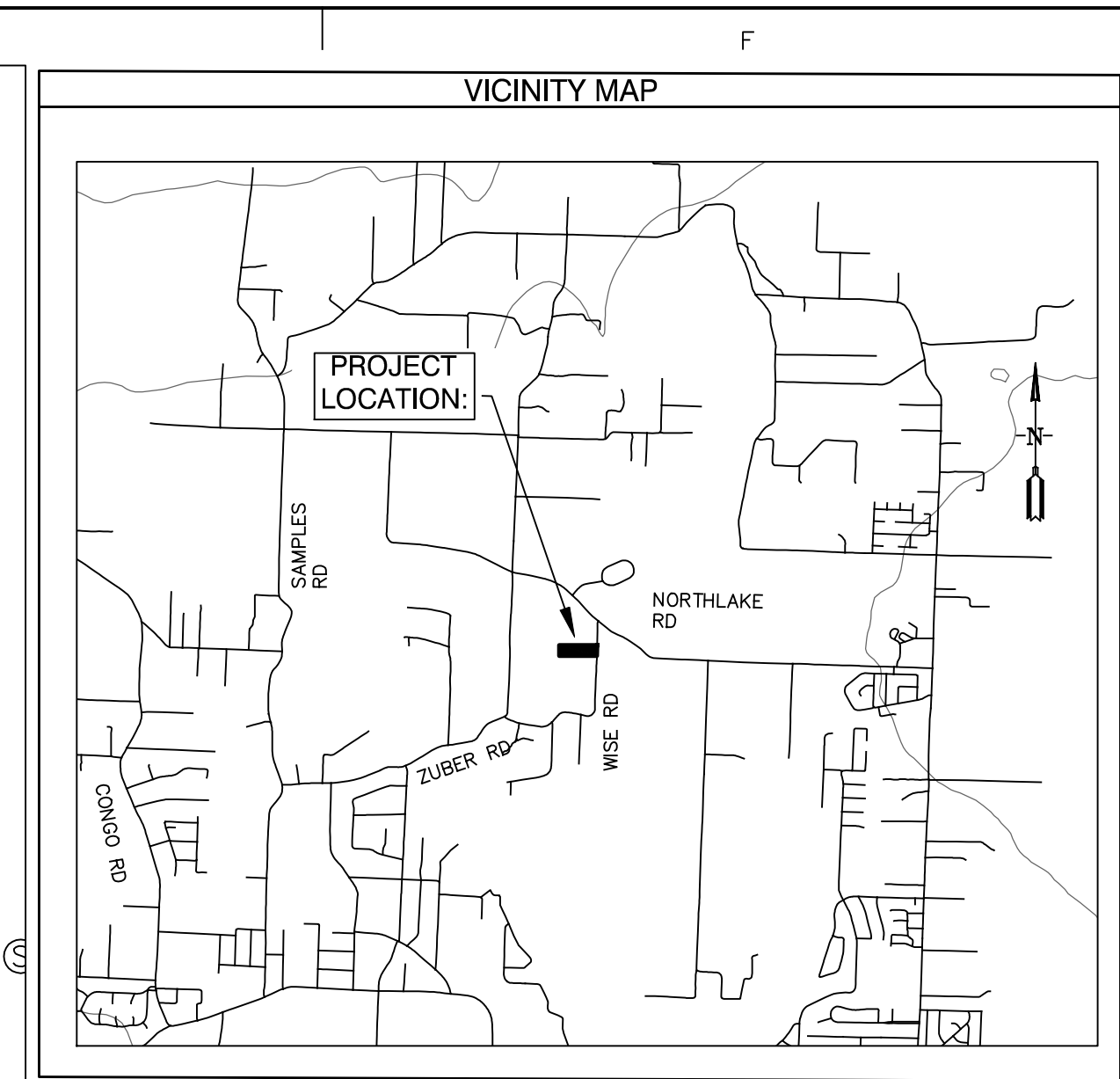
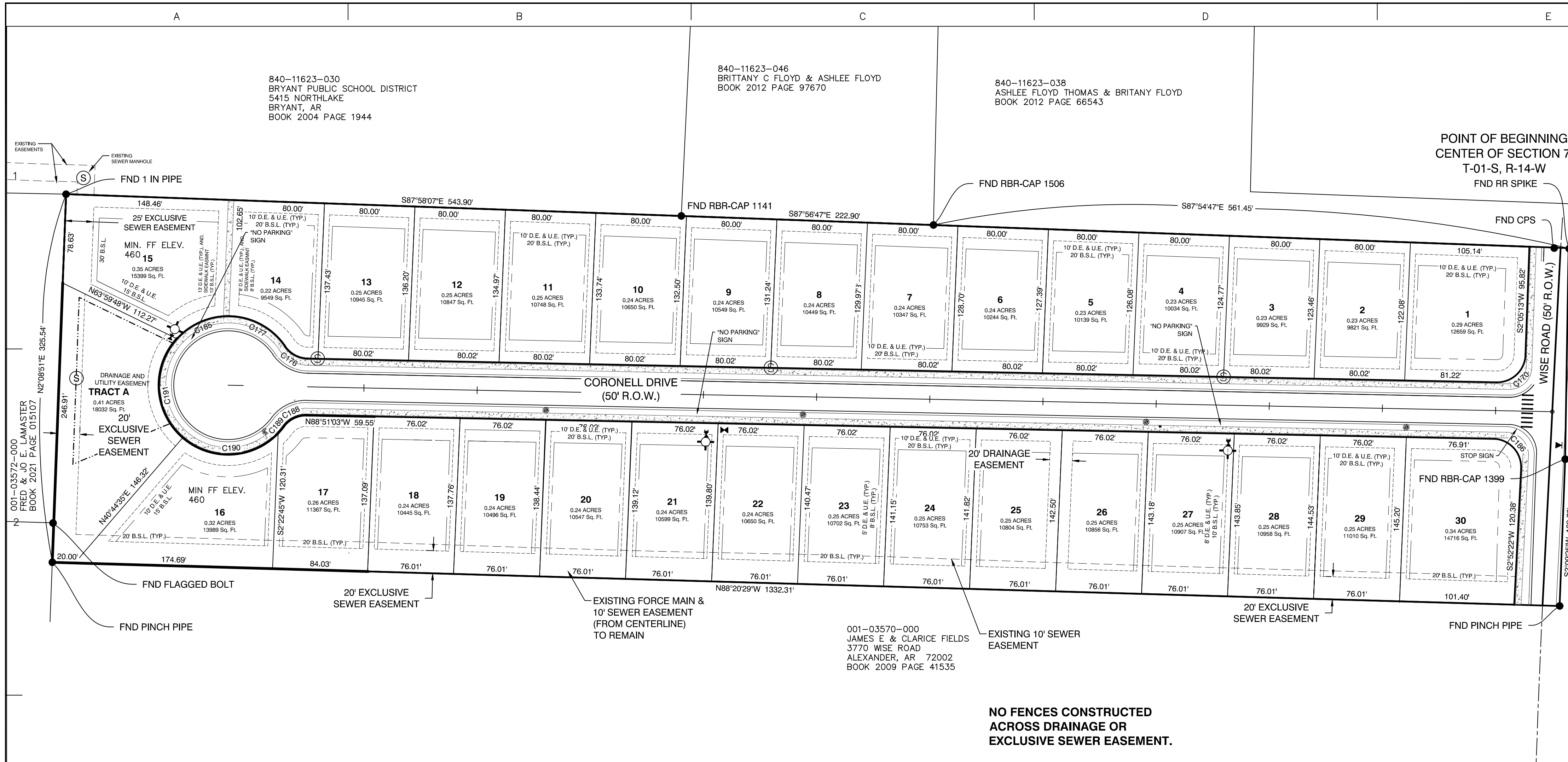
- Final Plat
- Bryant Subdivision Checklist
- Certification letter signed by developer and professional engineer
- Sewer Cost Estimate
- Storm Cost Estimate
- Wastewater Bond Request Letter

If you have questions or need any additional information, please do not hesitate to contact me.

Sincerely,  
GarNat Engineering, LLC



Vernon J. Williams, P.E., President



## FINAL PLAT SARATOGA PLACE SUBDIVISION CITY OF BRYANT SALINE COUNTY, ARKANSAS

- DOCUMENTS USED FOR THE PREPARATION OF THIS SURVEY**
- JAMES RASBURY 2012-03-06
  - HOPE ENGINEERS FOR COOK 1988
  - HOPE ENGINEERS FOR COOK 1993-07-06
  - BROOKS SURVEYING 2008-04-17
  - BOOK 2018 PAGE 006759
  - BOOK 2014 PAGE 33990
  - BOOK 2012 PAGE 97670
  - BOOK 2012 PAGE 66543
  - BOOK 2010 PAGE 59382
  - BOOK 2010 PAGE 32719
  - BOOK 2009 PAGE 41535
  - BOOK 2008 PAGE 35197 GENERAL WARRANTY DEED
  - BOOK 2004 PAGE 1944 WARRANTY DEED
  - GLO ORIGINAL PLAT T1S R14W DATED 1822-08-22
  - GLO DUPLICATE PLAT T1S R14W DATED 1859
  - BOOK 2012 PAGE 68815 EASEMENT

**PROPERTY SPECIFICATIONS:**

ZONING CLASSIFICATION: R-1-S  
 MIN. LOT SIZE: 6,000 S.F.  
 NUMBER OF LOTS: 30  
 SOURCE OF WATER: SALEM WATER  
 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  
 REAR - 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**

TRACT A WILL BE OWNED & MAINTAINED BY PROPERTY OWNERS ASSOCIATION. THE ENTIRE LIMITS OF TRACT A ARE A DRAINAGE AND UTILITY EASEMENT.

**Curve Table**

Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C170	38.86	25.00	89°03'44"	S46° 37' 05"W	35.06
C176	19.09	25.00	43°45'28"	N56° 16' 42"W	18.63
C177	58.23	61.00	54°41'25"	N61° 44' 40"W	56.04
C185	51.80	61.00	48°39'21"	S66° 34' 57"W	50.26
C186	40.02	25.00	91°43'24"	S42° 59' 20"E	35.88
C188	23.76	25.00	54°27'05"	S63° 55' 25"W	22.87
C189	7.16	61.00	6°43'43"	S40° 03' 45"W	7.16
C190	92.96	61.00	87°18'55"	S87° 05' 04"W	84.22
C191	97.42	61.01	91°29'37"	S3° 30' 06"E	87.40

**PROPERTY DESCRIPTION:**

LEGAL DESCRIPTION  
 A PART OF THE NORTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 7, TOWNSHIP 1 SOUTH, RANGE 14 WEST, SALINE COUNTY, ARKANSAS; BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:  
 BEGINNING AT A RAILROAD SPIKE BEING THE CENTER OF SAID SECTION 7; THENCE CONTINUING ALONG THE EAST LINE OF SAID NORTHEAST QUARTER OF THE SOUTHWEST QUARTER, S0°54'38"W A DISTANCE OF 186.51 FEET TO A FOUND REBAR WITH CAP #1399, THENCE S2°09'25"W A DISTANCE OF 129.78 FEET TO A FOUND PINCH PIPE; THENCE N88°20'29"W A DISTANCE OF 1332.31 FEET TO A FOUND PINCH PIPE; THENCE ALONG THE WEST LINE OF SAID NORTHEAST QUARTER OF THE SOUTHWEST QUARTER, N2°08'51"E A DISTANCE OF 325.54 FEET TO A FOUND 1" PIPE; THENCE ALONG THE NORTH LINE OF SAID NORTHEAST QUARTER OF THE SOUTHWEST QUARTER THE FOLLOWING CALLS, S87°58'07"E A DISTANCE OF 543.90 FEET TO A FOUND REBAR WITH CAP #1141; S87°56'47"E A DISTANCE OF 222.90 FEET TO A FOUND REBAR WITH CAP #1506; AND S87°54'47"E A DISTANCE OF 561.45 FEET TO THE POINT OF BEGINNING; CONTAINING 9.81 ACRES (427,323.6 SQUARE FEET), MORE OR LESS, SUBJECT TO WISE ROAD RIGHT OF WAY.

**OWNER:** Thomas D.B. Collins LTD  
**DEVELOPER:** Thomas D.B. Collins LTD  
**Address:** 39 Walnut Valley Drive, Little Rock, AR 72211

**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: \_\_\_\_\_  
 Name: Phillip Pengelly  
 Address: 39 Walnut Valley Drive, Little Rock, Arkansas 72211

**CERTIFICATE OF 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

**CERTIFICATE OF FINAL PLAT APPROVAL:**  
 Pursuant to the City of Bryant Subdivision Rules and Regulations, this document was given approval by the Bryant Planning Commission at a meeting held July 10, 2023. All of the document is hereby accepted, and this certificate executed under the authority of said rules and regulations.  
 Date: \_\_\_\_\_ Signed: \_\_\_\_\_  
 Rick Johnson, Chairman  
 Bryant Planning Commission

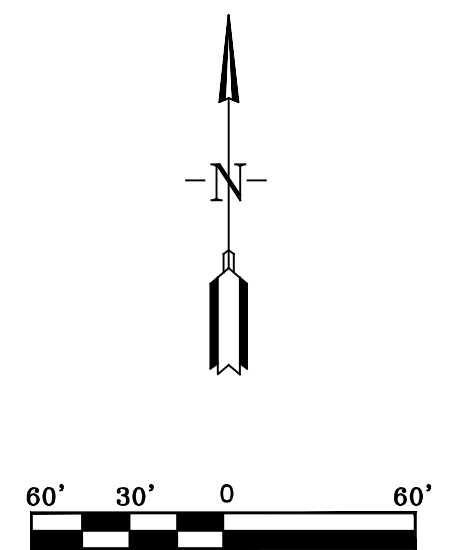
**CERTIFICATE OF RECORDING:**  
 \_\_\_\_\_

**CERTIFICATE OF SURVEYING ACCURACY:**  
 I, George P. Wooden, hereby certify that this plat correctly represents a boundary survey made by me or under my supervision on March 28, 2017; 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 AUTHORIZATION:**  
 GarNat Engineering, LLC  
 No. 2174

**REGISTERED PROFESSIONAL ENGINEER:**  
 VERNON J. WILLIAMS  
 NO. 9551

- SURVEY LEGEND**
- △ - Computed point
  - - Found monument
  - ⊙ - Set #4 RB/Plas. Cap
  - (M) - Measured
  - (R) - Record
  - (P) - Platted
- GENERAL NOTES:**
1. ALL STREETS & DRAINAGE TO MEET CITY OF BRYANT STANDARD SPECIFICATIONS & DETAILS.
  2. ALL TRAFFIC CONTROL DEVICES SHALL MEET THE REQUIREMENTS OF CITY OF BRYANT STANDARD SPECIFICATIONS PER PART 4.9



SURVEY PLAT CODE:  
500-01S-14W-0-07-310-62-1573

BY	REVISION
DATE	

**GNE**  
 Designing our client's success  
**GarNat Engineering, LLC**  
 Ph (501) 408-4650  
 P.O. Box 116 (72018)  
 2909 Military Road  
 Benton, Arkansas 72015  
 gematengineering@gmail.com

SARATOGA PLACE SUBDIVISION  
CITY OF BRYANT,  
SALINE COUNTY, ARKANSAS



**FINAL PLAT**

PROJECT NO:  
17084  
DATE:  
JUNE 7, 2023  
SHEET NO:





## Bryant Engineering Department

June 7, 2023

Vernon William, P.E.  
Garnat Engineering, LLC.  
3825 Mt. Carmel Road.  
Bryant, AR 72015  
501-408-4650  
[www.garnatengineering.com](http://www.garnatengineering.com)

RE: Saratoga Place Subdivision – Wastewater Infrastructure Bond  
Wise Road  
Bryant, AR

To whom it may concern:

In accordance with the City of Bryant Water/Wastewater Specifications Section 1000 – 1.04 the Owner shall be responsible for the provision to the City of a two (2) year maintenance bond for 50 percent of the construction cost of sewer lines. In this case an engineer's estimate was provided for a total amount of \$84,700.00. Therefore a 2-year bond in the amount of \$42,350.00 is required.

After a final inspection by the City of Bryant and issuance of the above described bonds/warranties, the City will issue a final acceptance of the describe infrastructure.

Sincerely,

A handwritten signature in black ink, appearing to read "Ted R. Taylor", written in a cursive style.

Ted R. Taylor, P.E.  
City Engineer

# GNE

3825 Mt Carmel Rd.  
Bryant, AR 72022

**GarNat Engineering, LLC**

P.O. Box 116  
Benton, AR 72018

June 6, 2023

Truett Smith  
Planning & Community Development  
210 S.W. 3rd Street  
Bryant, AR 72022

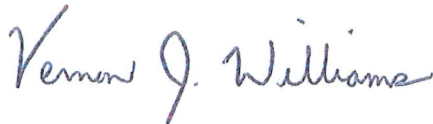
Re: Final Plat Certification  
Saratoga Place Subdivision

Dear Mr. Smith:

Please allow this letter to serve as the certification for the referenced project required by Paragraph 15.12.05.a of the City of Bryant Subdivision Regulations. To that end, we certify that all improvements and installation to the subdivision required for its approval under the terms of the City of Bryant Subdivision Rules and Regulations have been made, added, or installed. Furthermore, these improvements were constructed in accordance with the approved plans and specifications.

If you have questions or need any additional information, please do not hesitate to contact us.

Sincerely,  
GarNat Engineering, LLC



Vernon J. Williams, P.E., President

Thomas D.B. Collins



Phillip Pengelly

Sewer Improvements  
Saratoga Place Subdivision 17084  
Bryant, Arkansas  
June 7, 2023

Item #	Item Description	Total	Unit	Unit Price	Cost
1	Manhole	4	each	\$2,000.00	\$8,000.00
2	8" gravity sewer	1346	LF	\$50.00	\$67,300.00
3	4" long side sewer service	16	each	\$500.00	\$8,000.00
4	4" short side sewer service	14	each	\$100.00	\$1,400.00
	Total				\$84,700.00

# Bryant Planning Commission

SARATOGA PLACE SUBDIVISION

## Subdivision Checklist

Approved by  
Bryant Planning Commission  
07/14/2003 Revised 6/18/2007

### Instructions

The attached checklist must be completed by the owner and subdivision engineer and must be submitted along with the Preliminary Plat Plan and other specified documentation for review and approval by the Planning Commission. The owner may not begin developing the subdivision until the review of the Preliminary Plat plan is approved.

No changes or alterations can be made to the approved Preliminary Plat Plan without Planning Commission approval.

When all lots have been surveyed, the utilities and drainage measures are in place, and roads have been constructed, the owner and engineer will submit a Final Plat Plan for approval by the Commission. This Final Plat Plan will incorporate all approved changes and will be verified by the City Engineer. No lots will be sold or rights-of-way and easements conveyed until the Final Plat has been submitted and approved.

#### Fees due to City of Bryant upon submission of Preliminary Plat application

- \$300.00 + \$3.00 per lot - for Subdivision preliminary plat review
- \$250.00 or \$25.00 per lot (**whichever is greater**) - Stormwater Detention and Drainage Plan Engineering Fee
- A Surety Bond or Cashier's check in the amount of 10% of the estimated development cost must be furnished within 10 days after Preliminary Plat approval.

#### Fees due to Bryant Water and Sewer Department upon submission of Final Plat application

- \$100 per lot - Water/Sewer Impact Fee
- \$100 per Subdivision Phase - Water/Sewer Flushing Fee

#### Fees due to City of Bryant upon submission of Final Plat application

- \$25.00 + \$1.00 per lot - for Subdivision Final Plat review



# City of Bryant Subdivision Checklist

Subdivision/Project Name SARATOGA PLACE SUBDIVISION  
Contact Person VERNON WILLIAMS Phone (501) 408-4650  
Mailing Address 3825 MT CARMEL ROAD, BRYANT, AR.  
72022

## I. BASIC INFORMATION NEEDED ON THE PLAT

- ▲ 1. Name of Subdivision/Project
- ▲ 2. Current zoning R-1.5
- ▲ 3. Name and Address of owner of Record
- ▲ 4. Illustrate Source of Title giving deed record book and page number
- ▲ 5. Name & address of the sub-divider
- ▲ 6. Date of Survey
- ▲ 7. Vicinity map locating streets, highways, section lines, railroad, schools, & parks within ½ mile
- ▲ 8. Legal description of the property with exact boundary lines
- ▲ 9. Acreage of property
- ▲ 10. Number of Lots
- ▲ 11. Lot area in square feet
- ▲ 12. Lot lines with appropriate dimensions
- ▲ 13. Building setback lines
- ▲ 14. Preliminary Engineering certificate seal and signature on each page
- ▲ 15. Certificate of Engineering Accuracy
- ▲ 16. Certificate of Owner
- ▲ 17. Certificate of Final Plat Approval
- ▲ 18. Certificate of Recording
- ▲ 19. Show scale (not less than 1" = 100')
- ▲ 20. North Arrow
- ▲ 21. Show Title block
- ▲ 22. Show adjoining property owners
- ▲ 23. Layout of all proposed streets including traffic control devices (stop signs, speed limit, etc.)
- ▲ 24. Layout of all subdivision entrance street upgrades
- ▲ 25. Layout of all proposed alleys
- ▲ 26. Layout of all proposed sidewalk systems
- ▲ 27. Layout identifies any FEMA flood plain and flood way property within the 100-year flood elevation. (Provide Corp of Engineers 404 Permit if required)
- ▲ 28. Drainage easements for stormwater run-off and detention giving dimensions, locations, and purpose
- ▲ 29. Layout accommodates Master Street Plan segments within the boundaries
- ▲ 30. Street layout ties to existing adjoining subdivision stub-out streets and provides stub-out streets for future adjoining subdivisions.
- ▲ 31. Street width and right-of-way properly shown for each functional classification
- ▲ 32. Street centerlines showing angles of deflection, intersection, radii, length oftangents and arcs, and degree of curvature with basis of curve data
- ▲ 33. Typical cross section of streets
- ▲ 34. Location and name of existing streets
- ▲ 35. New street names that are not similar to existing street names
- ▲ 36. Show street lights
- ▲ 37. Show Fire Hydrant placement

- ▲ 38. Show and label all permanent & proposed easements
- ▲ 39. Any proposed open space must be shown
- ▲ 40. Show the direction and flow of all water courses entering the tract
- ▲ 41. Show the direction and flow of all water courses leaving the tract
- ▲ 42. The drainage area of all water courses above the points of entry.
- ▲ 43. The downstream drainage channel and drainage structures substantially impacted by the subdivision/project.
- ▲ 44. Show source of water supply
- ▲ 45. Show location of waste water connection to municipal main & sanitary sewer layout
- ▲ 46. A phasing plan outlining the boundaries for each phase

## II. ADDITIONAL INFORMATION NEEDED, BUT NOT NECESSARILY ON THE PLAT

- ▲ 47. Natural features within the proposed subdivision including drainage channels, bodies of water, wooded areas, and other significant features
- ▲ 48. Existing streets, buildings, water courses, railroads. Culverts, utilities and easement on and adjacent to the tract.
- ▲ 49. Where method of disposal of wastewater is other than connection to a public waste water system, detailed information shall accompany the plat.
- ▲ 50. Calculations and field notes, including drainage calculations along with support drawing
- 51. Stormwater detention plan approval from City Engineer (attach copy of approval)
- ▲ 52. The Certificate of Preliminary Engineering Accuracy on each set of street and drainage plans.
- ▲ 53. ADA Accessibility Standard Form completed (and attached)
- ▲ 54. A Bill of Assurance has been prepared for this subdivision (and attached)
- ▲ 55. All lots comply with minimum square footage area and minimum lot width at the front building line
- ▲ 56. Street pavement design will be as specified by City or AHTD design procedures, approved by the City Engineer.
- ▲ 57. Made the "One Call" prior to site clearance or other excavation activity

## III. PRELIMINARY PLAT ATTACHMENTS

**(APPLICATION WILL NOT BE ACCEPTED UNTIL ALL ATTACHMENT REQUIREMENTS ARE MET)**

- ▲ 58. Letter to Planning Commission stating your request
- ▲ 59. Completed Checklist
- ▲ 60. Completed agreement to provide performance assurance
- ▲ 61. Subdivider Performance Bond or Cashier's Check for infrastructure installation
- ▲ 62. Landscaping plan of any proposed common open space
- ▲ 63. Draft of Bill of Assurance proposed for the subdivision (if applicable)
- ▲ 64. 20 copies of Preliminary Plat Plan (folded) that includes vicinity map (minimum size 17" X 34" paper)
- ▲ 65. **Two (2) IBM compatible diskettes or CDR's** with pertinent data and Plat in CAD compatible .DXF electronic file format
- ▲ 66. Copy of Stormwater Detention approval
- ▲ 67. 2 copies Plan and profile of all streets
- ▲ 68. Receipt for \$300.00 + \$3.00 per lot for preliminary Subdivision fee
- ▲ 69. Receipt for \$250.00 or \$25.00 per lot (whichever is greater) for Stormwater Detention and Drainage Plan review
- ▲ 70. Copy of ADEQ Stormwater Pollution Prevention Plan for property parcel containing one acre or larger.

III. FINAL PLAT ATTACHMENTS

(APPLICATION WILL NOT BE ACCEPTED UNTIL ALL ATTACHMENT REQUIREMENTS ARE MET)

- ▲ 71. Letter to Planning Commission stating your request
- ▲ 72. Completed Checklist
- ▲ 73. 20 copies of Final Plat Plan (folded) that includes vicinity map (minimum size 17" X 34" paper)
- ▲ 74. Two (2) IBM compatible diskettes or CDR's with pertinent data and Plat in CAD compatible .DXF electronic file format
- ▲ 75. Bill of Assurance including provisions set out in Title 15 Subdivision Regulations 15.16.01
- ▲ 76. Copy of Water & Sewer Commission approval or....
- ▲ 77. State Health Department approval of any new water supply and/or sewage system.
- ▲ 78. Letter submitted by a Registered Professional Engineer, certifying that all infrastructure improvements and installations have been installed in accordance with the submitted construction plans and drawings and the standards established by the City of Bryant and are functioning properly.
- ▲ 79. Infrastructure Maintenance Bond or Cashier's check.
- ▲ 80. Check for \$25.00 + \$1.00 per lot for final Subdivision fee
- ▲ 81. Check for Water Sewer impact fees (\$100.00 Flushing Fee and \$100.00 impact fee per lot)

SARATOGA PLACE SUBDIVISION

Name of Subdivision

*George P. Workman*  
Surveyor

I HAVE COMPLIED WITH THE REQUIREMENTS LISTED ABOVE AND HAVE CHECKED ALL OF THE BOXES ON THE CHECKLIST WHICH APPLY TO THIS PROJECT SUBMITTAL.

*Olivia Penney*  
Owner Signature

*Vernon J Williams*  
Engineer Signature

CITY USE

Preliminary Plat Approved \_\_\_\_\_

Planning Commission Date \_\_\_\_\_

Final Plat Approved \_\_\_\_\_

Planning Commission Date \_\_\_\_\_

Proof of Recording - County \_\_\_\_\_

County Clerk \_\_\_\_\_

Date \_\_\_\_\_

Saratoga Place Subdivision  
6/7/2023

STORM DRAINAGE AND ROAD IMPROVEMENTS					
1	18" RCP Culvert	LF	558	\$80.00	\$44,640.00
2	24" RCP Culvert	LF	465	\$110.00	\$51,150.00
3	30" RCP Culvert	LF	355	\$140.00	\$49,700.00
4	36" RCP Culvert	LF	147	\$200.00	\$29,400.00
5	Detention Pond	LS	1	\$10,000.00	\$10,000.00
6	ARDOT Type E Area Inlets	Each	1	\$5,000.00	\$5,000.00
7	ARDOT Type MO Curb Inlet	Each	9	\$5,000.00	\$45,000.00
8	24" FES	Each	1	\$2,500.00	\$2,500.00
9	Outlet Structure	Each	1	\$5,000.00	\$5,000.00
<b>Total</b>					<b>\$242,390.00</b>



# **HOPE**

## **CONSULTING**

---

### **ENGINEERS - SURVEYORS**

117 S. Market St. Benton, AR 72015 \* 501-315-2626 \* Fax 501-315-0024

#### Stormwater Infrastructure Maintenance Plan Agreement

Scott m. Hurley  
AR Land & Realty  
501.240.0049 Mobile  
scott@arlr.net

#### Hilltop Landing Subdivision - Hilltop Road and Miller Road

All maintenance basin maintenance plans shall contain or uphold, without limitation, the following provisions:

- (1) A description of the property on which the stormwater management facility is located and all easements from the site to the facility;
- (2) Size and configuration of the facility;
- (3) A statement that properties which will be served by the facility are granted rights to construct, use, reconstruct, repair and maintain access to the facility;
- (4) A statement that each lot served by the facility is responsible for repairs and maintenance of the facility and any unpaid ad valorem taxes, public assessments for improvements, and unsafe building and public nuisance abatement liens charged against the facility, including all interest charges together with attorney fees, costs, and expenses of collection. If an association is delegated these responsibilities, then membership into the association shall be mandatory for each parcel served by the facility and any successive buyer. The association shall have the power to levy assessments for these obligations, and all that unpaid assessments levied by the association shall become a lien on the individual parcel;
- (5) All stormwater facilities must be designed to minimize the need for maintenance, to provide easy vehicle and personal access for maintenance purpose, and be structurally sound. It shall be the responsibility of the applicant to obtain any necessary easements or other property interested to allow access to the facilities for inspection or maintenance;
- (6) Detention/retention areas, earthen berms, intake structures, piping, discharge structures, trickle channels, spillways, pipe flares, weirs and fencing shall be regularly inspected, maintained and repaired to ensure their proper operation and to prevent the creation of any hazards or nuisances;
- (7) Major deposits of sediment shall be removed from the detention/retention area on an annual basis or after any extreme storm event. Excavated materials shall be properly disposed of off-site. Every five years the detention area(s) shall be

surveyed to confirm that the original as-constructed contours have been maintained;

(8) Every three months piping and outlet structures shall be inspected and cleared of any accumulated debris;

(9) Erosion in detention/retention areas shall be promptly repaired and stabilized with appropriate Best Management Practices (BMP's);

(10) Detention/retention area shall be mowed during the growing season May through September to maintain the turf height of 6-inches or less. Any brush or trees that may grow within the detention areas bottom, slopes or banks shall be removed;

(11) Litter and foreign materials shall be removed from the detention area(s) weekly. Large or noxious pieces of litter shall be removed immediately. The area(s) shall be inspected visually after rainfall events in excess of 1" in 24 hours;


(12) Inspections of overall detention/retention area(s) and detention/retention components shall occur monthly with their conditions noted on an inspection form. If any remedial action is required, it should be noted and corrected;

(13) All inspection forms must be retained on-site, including the "As-Built" drawings and photographs of the improvements in their original condition;

(14) Items 1-13 shall be listed on the Stormwater Infrastructure Maintenance Plan Agreement.

(15) Inspection forms for Stormwater Infrastructure components are required. (An example of inspection forms are attached.)

\_\_\_\_\_  
Scott M. Hurley

  
\_\_\_\_\_  
signature

\_\_\_\_\_  
date

4-18-2023

*HILLTOP LANDING SUBDIVISION*  
*HILLTOP ROAD & MILLER ROAD, BRYANT, AR 72022*  
*DRAINAGE REPORT*

*FOR*  
*City of Bryant, Saline County, AR*

April 2023

Owner & Developer: NXT GEN HOMES LLC.

By:

**HOPE**  
**CONSULTING**  
ENGINEERS - SURVEYORS

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## **Narrative & Summary**

**PROJECT TITLE**

Hilltop Landing Subdivision

**PROJECT PROPERTY OWNER**

Nxt Gen Homes LLC.

**PROJECT LOCATION**

Hilltop Road and Miller Road, Bryant, AR

**PROJECT DESCRIPTION**

The proposed sub divisional development is on Hilltop Road and Miller Road, Bryant, AR . Total development site area is 54.0 acres.

**DRAINAGE ANALYSIS**

**On Site Drainage-** Rational method was used to determine the existing and proposed flows from proposed site. There will be four detention ponds to detain water from this development. Detailed drainage calculations considering the future expected development has been conducted to determine the required detention ponds and culvert dimensions. Summary of the calculations are below:

**Detention Pond-1**

- Pond is situated on the north east side of the property.
- Pre-development area 34.50 acres.
- Post-development area 36.28 acres.
- Pre-development runoff coefficient 0.47.
- Post-development runoff cumulative coefficient 0.65
- Pond has a bottom area of 18,760 sft with bottom elevation of 437.50’.
- One 42” HDPE with 1.08% slope are proposed for outflow pipes.

**Peak flows for Pre and post development phase of onsite area have been tabulated below-**

Period of time	Pre-development	Post-dev. Without detention	Post-dev. With detention
	Peak Flow (cfs)	Peak Flow (cfs)	Peak Flow (cfs)
2-Year	65.96	90.29	32.54
5-Year	72.96	99.87	35.52
10-Year	85.63	117.23	39.88
25-Year	98.15	134.37	45.74
50-Year	111.88	153.15	57.52
100-Year	118.85	162.70	63.55

### Detention Pond-2

- Pond is situated on the South-west side of the property.
- Pre-development area 7.2 acres.
- Post-development area 4.11 acres.
- Pre-development runoff coefficient 0.40.
- Post-development runoff cumulative coefficient 0.40
- Pond has a bottom area of 18,270 sft with bottom elevation of 511.00’.
- One 12” HDPE with 9% slope are proposed for outflow pipes.

**Peak flows for Pre and post development phase of onsite area have been tabulated below-**

Period of time	Pre-development	Post-dev. Without detention	Post-dev. With detention
	Peak Flow (cfs)	Peak Flow (cfs)	Peak Flow (cfs)
2-Year	12.77	6.629	0.387
5-Year	14.20	7.333	0.462
10-Year	16.42	8.607	0.613
25-Year	18.77	9.865	0.773
50-Year	21.35	11.24	0.959
100-Year	22.64	11.95	1.059

### Detention Pond-3

- Pond is situated on the south east side of the property.
- Pre-development area 2.25 acres.
- Post-development area 3.21 acres.
- Pre-development runoff coefficient 0.47.
- Post-development runoff cumulative coefficient 0.65
- Pond has a bottom area of 5,512 sft with bottom elevation of 495.00’.
- One 18” HDPE with 12.74% slope are proposed for outflow pipes.

**Peak flows for Pre and post development phase of onsite area have been tabulated below-**

Period of time	Pre-development	Post-dev. Without detention	Post-dev. With detention
	Peak Flow (cfs)	Peak Flow (cfs)	Peak Flow (cfs)
2-Year	5.039	9.942	2.797
5-Year	5.635	11.12	3.269
10-Year	6.430	12.69	3.910
25-Year	7.337	14.48	4.642
50-Year	8.326	16.43	5.424
100-Year	8.825	17.40	5.810

#### **Detention Pond-4**

- Pond is situated on the West side of the property.
- Pre-development area 14.40 acres.
- Post-development area 13.97 acres.
- Pre-development runoff coefficient 0.47.
- Post-development runoff cumulative coefficient 0.65
- Pond has a bottom area of 7,680 sft with bottom elevation of 511.00’.
- One 36” HDPE with 9.34% slope is proposed for outflow pipes.

**Peak flows for Pre and post development phase of onsite area have been tabulated below-**

Period of time	Pre-development	Post-dev. Without detention	Post-dev. With detention
	Peak Flow (cfs)	Peak Flow (cfs)	Peak Flow (cfs)
2-Year	31.09	43.27	18.44
5-Year	34.66	48.39	21.11
10-Year	39.81	55.21	24.59
25-Year	45.47	63.00	28.39
50-Year	51.67	71.49	32.15
100-Year	54.77	75.78	33.77

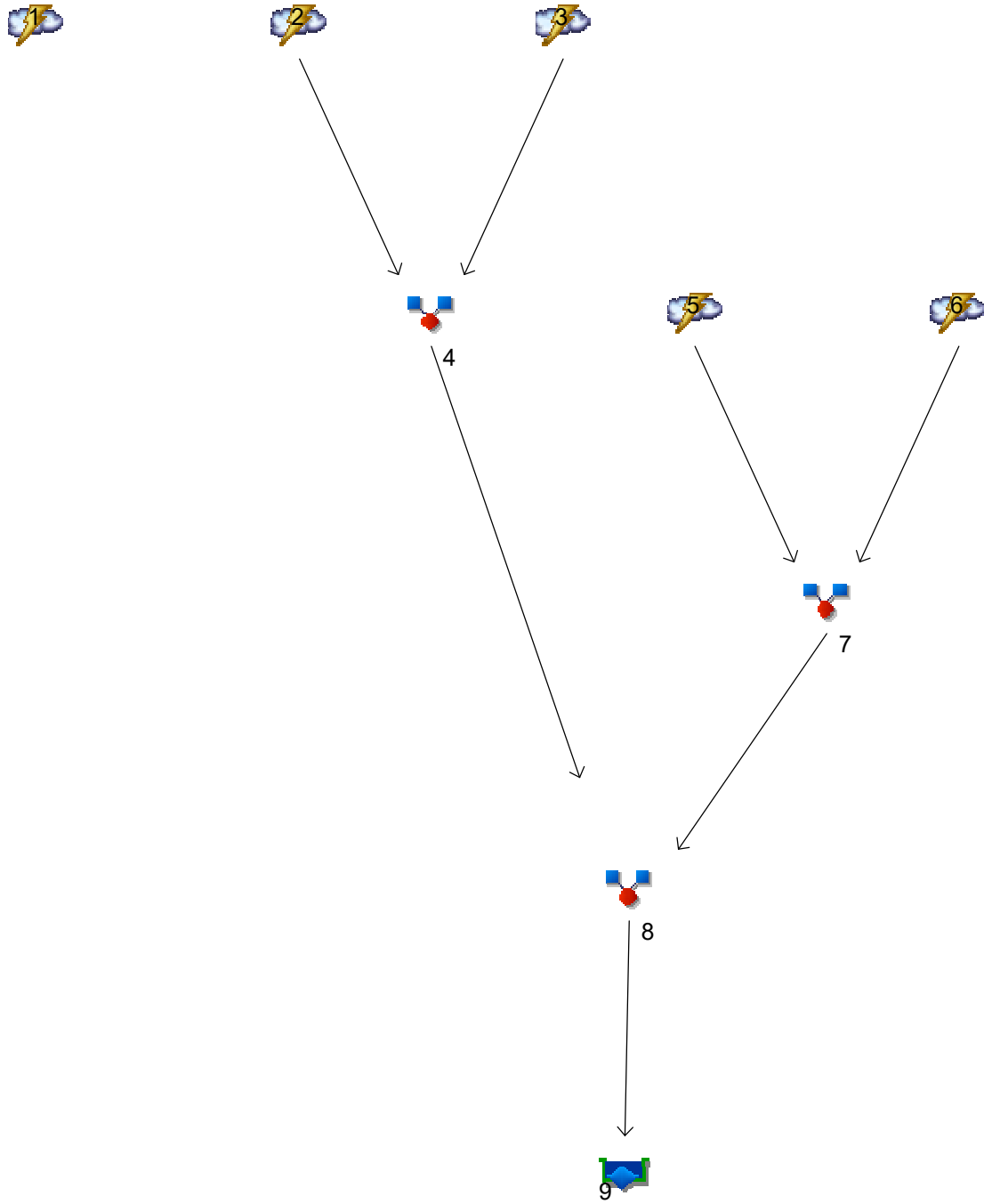
#### **CONCLUSION**

From the onsite drainage calculation, it is seen that there is decrease in flow for all storm events due to the proposed detention ponds.

# **Hydrograph Summary Report**

# Watershed Model Schematic

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023



**Legend**

Hyd.	Origin	Description
1	Rational	Pre Development
2	Rational	Post development-1a
3	Rational	post development-1b
4	Combine	combine-1
5	Rational	post development-2a
6	Rational	post development-2b
7	Combine	combine-2
8	Combine	<no description>
9	Reservoir	detention pond 1

# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

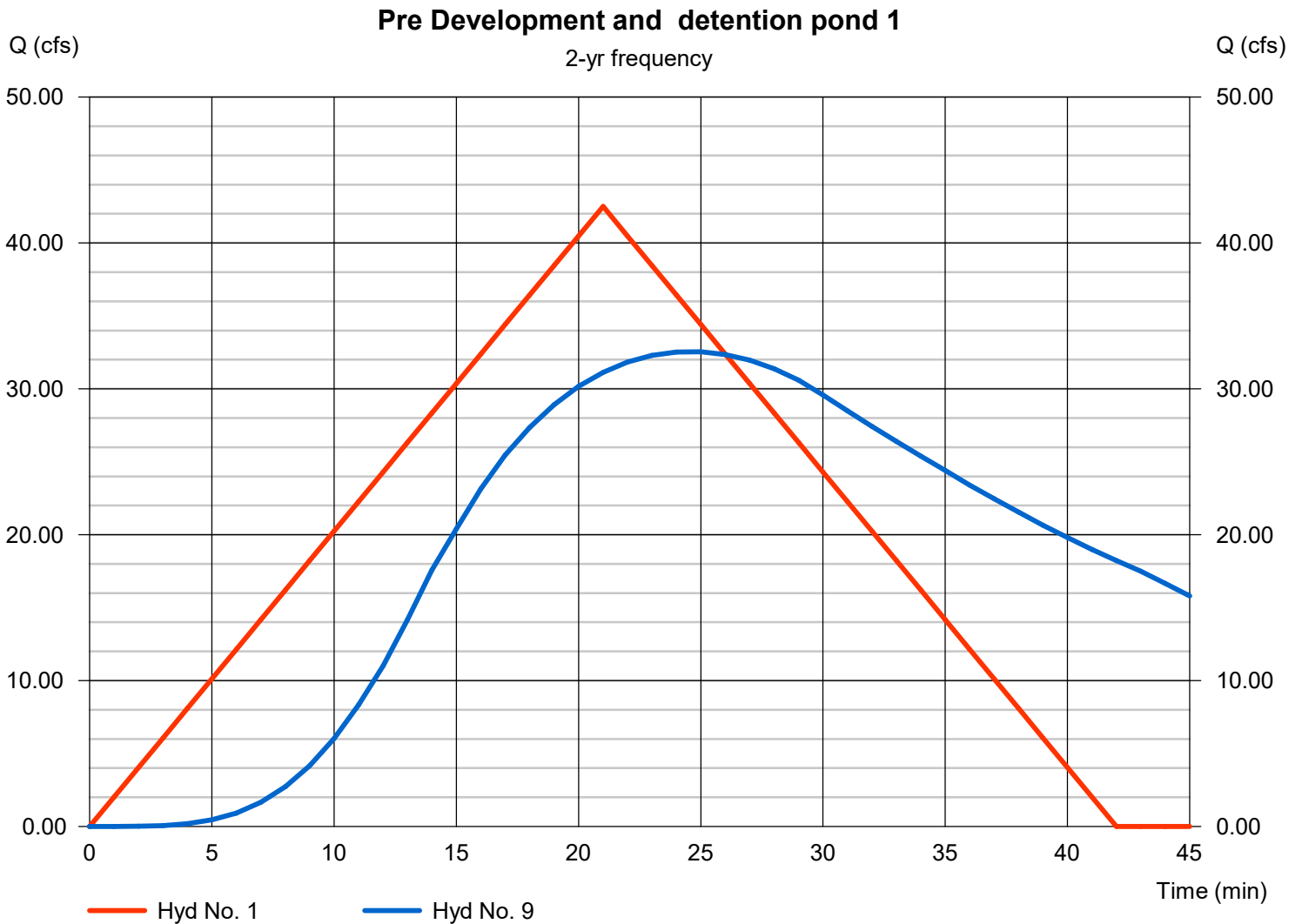
Pre Development

Hydrograph type = Rational  
Peak discharge = 42.51 cfs  
Time to peak = 21 min  
Hyd. Volume = 53,568 cuft

## Hyd. No. 9

detention pond 1

Hydrograph type = Reservoir  
Peak discharge = 32.54 cfs  
Time to peak = 25 min  
Hyd. Volume = 81,205 cuft



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

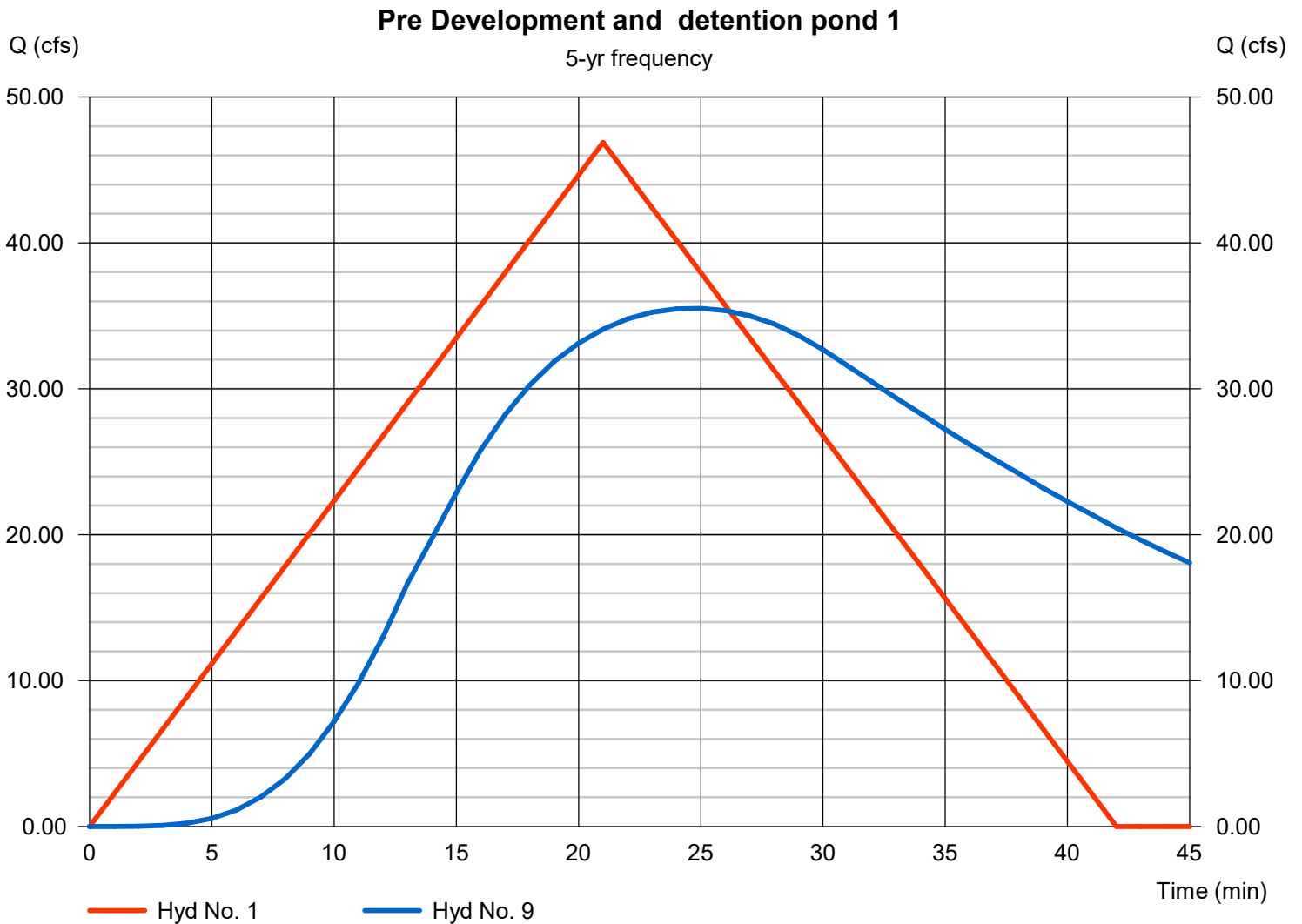
Pre Development

Hydrograph type = Rational  
Peak discharge = 46.89 cfs  
Time to peak = 21 min  
Hyd. Volume = 59,077 cuft

## Hyd. No. 9

detention pond 1

Hydrograph type = Reservoir  
Peak discharge = 35.52 cfs  
Time to peak = 25 min  
Hyd. Volume = 89,828 cuft





# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

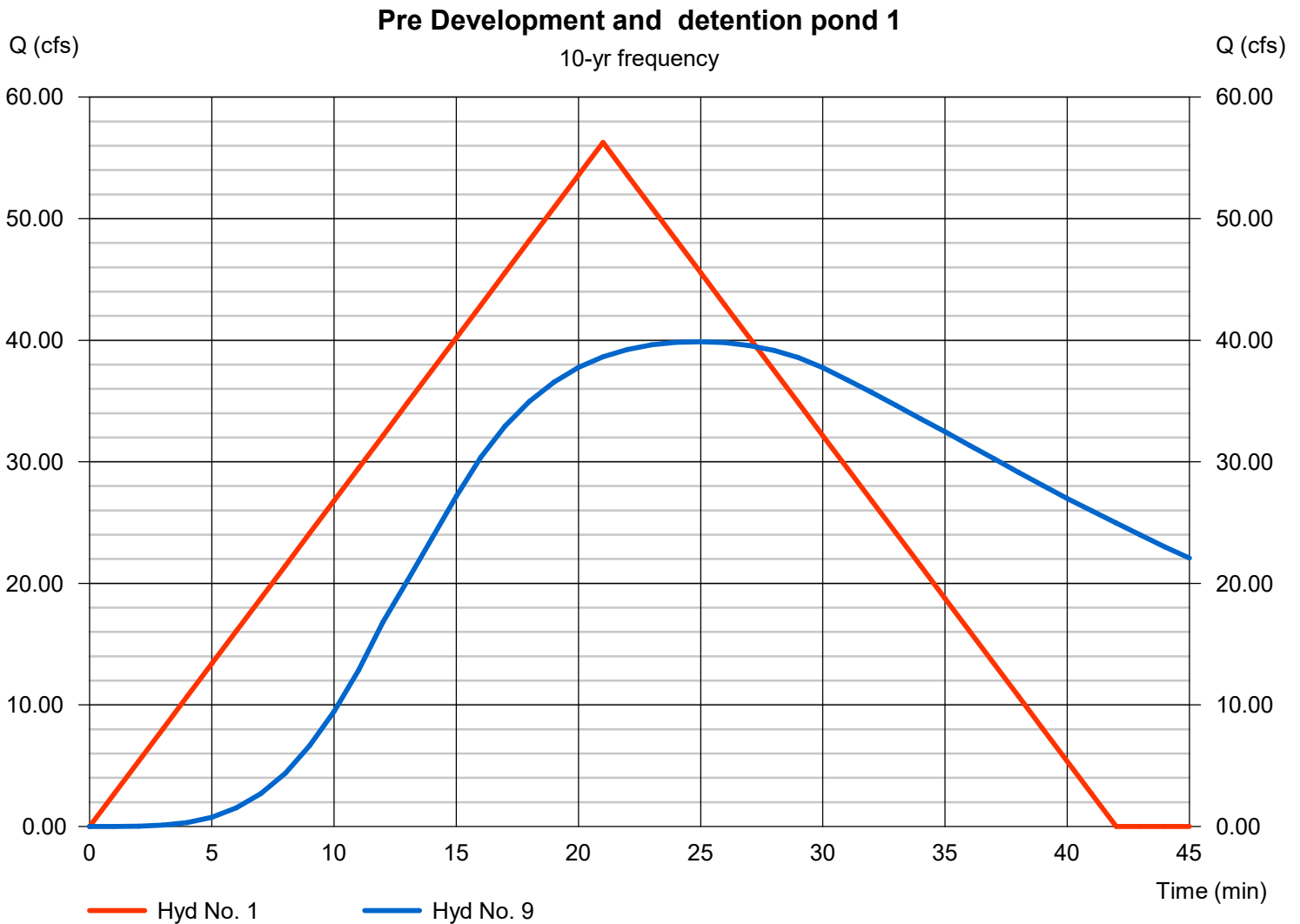
Pre Development

Hydrograph type = Rational  
Peak discharge = 56.26 cfs  
Time to peak = 21 min  
Hyd. Volume = 70,892 cuft

## Hyd. No. 9

detention pond 1

Hydrograph type = Reservoir  
Peak discharge = 39.88 cfs  
Time to peak = 25 min  
Hyd. Volume = 105,448 cuft



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

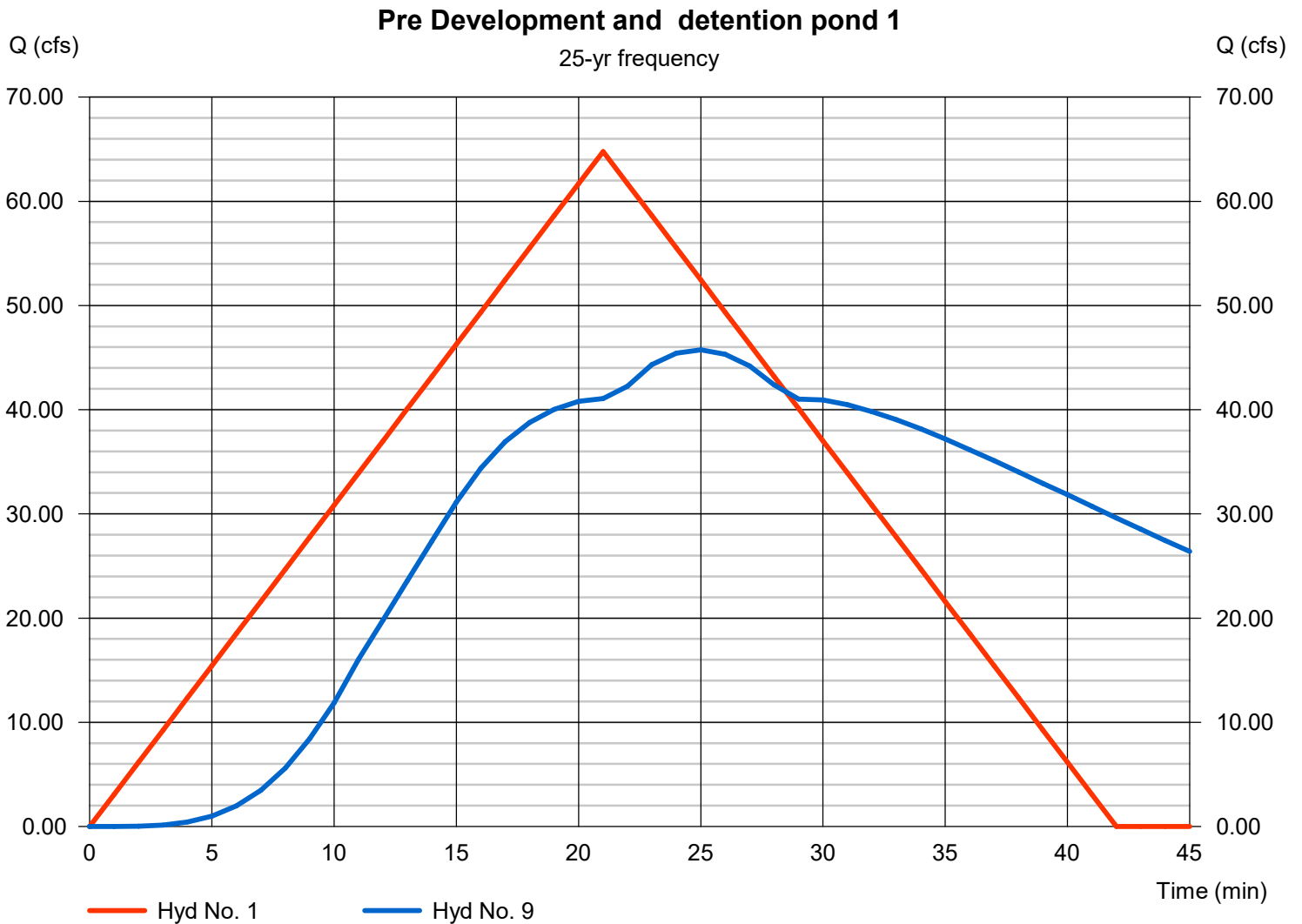
Pre Development

Hydrograph type = Rational  
Peak discharge = 64.78 cfs  
Time to peak = 21 min  
Hyd. Volume = 81,626 cuft

## Hyd. No. 9

detention pond 1

Hydrograph type = Reservoir  
Peak discharge = 45.74 cfs  
Time to peak = 25 min  
Hyd. Volume = 120,872 cuft



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

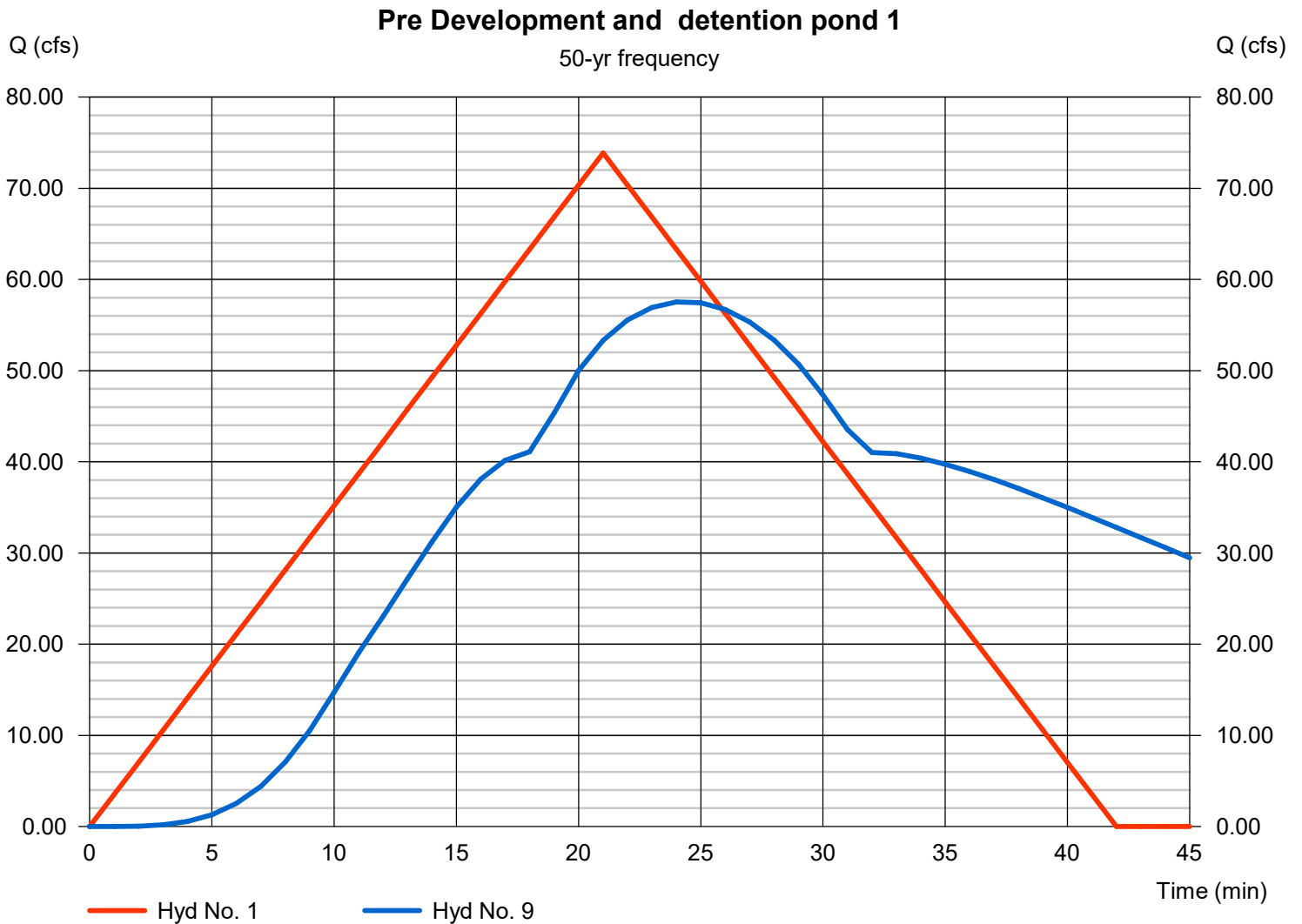
Pre Development

Hydrograph type = Rational  
Peak discharge = 73.87 cfs  
Time to peak = 21 min  
Hyd. Volume = 93,080 cuft

## Hyd. No. 9

detention pond 1

Hydrograph type = Reservoir  
Peak discharge = 57.52 cfs  
Time to peak = 24 min  
Hyd. Volume = 137,777 cuft



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

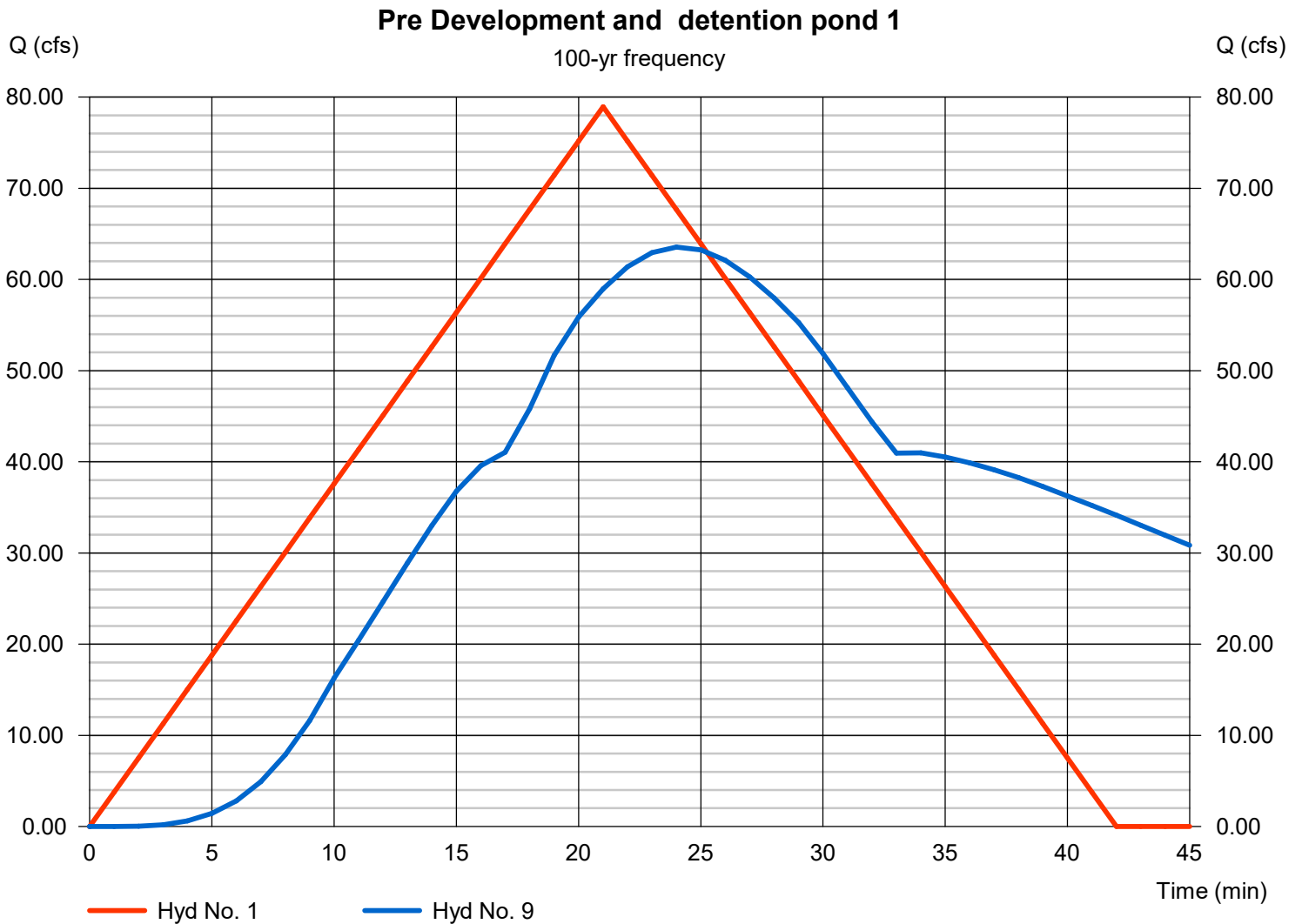
Pre Development

Hydrograph type = Rational  
Peak discharge = 78.94 cfs  
Time to peak = 21 min  
Hyd. Volume = 99,461 cuft

## Hyd. No. 9

detention pond 1

Hydrograph type = Reservoir  
Peak discharge = 63.55 cfs  
Time to peak = 24 min  
Hyd. Volume = 146,374 cuft



# Pond Report

## Pond No. 2 - Detention Pond 1

### Pond Data

Trapezoid -Bottom L x W = 268.0 x 70.0 ft, Side slope = 3.00:1, Bottom elev. = 437.50 ft, Depth = 5.00 ft

### Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	437.50	18,760	0	0
0.50	438.00	19,783	9,635	9,635
1.00	438.50	20,824	10,151	19,786
1.50	439.00	21,883	10,676	30,462
2.00	439.50	22,960	11,210	41,672
2.50	440.00	24,055	11,753	53,425
3.00	440.50	25,168	12,305	65,730
3.50	441.00	26,299	12,866	78,596
4.00	441.50	27,448	13,436	92,032
4.50	442.00	28,615	14,015	106,047
5.00	442.50	29,800	14,603	120,650

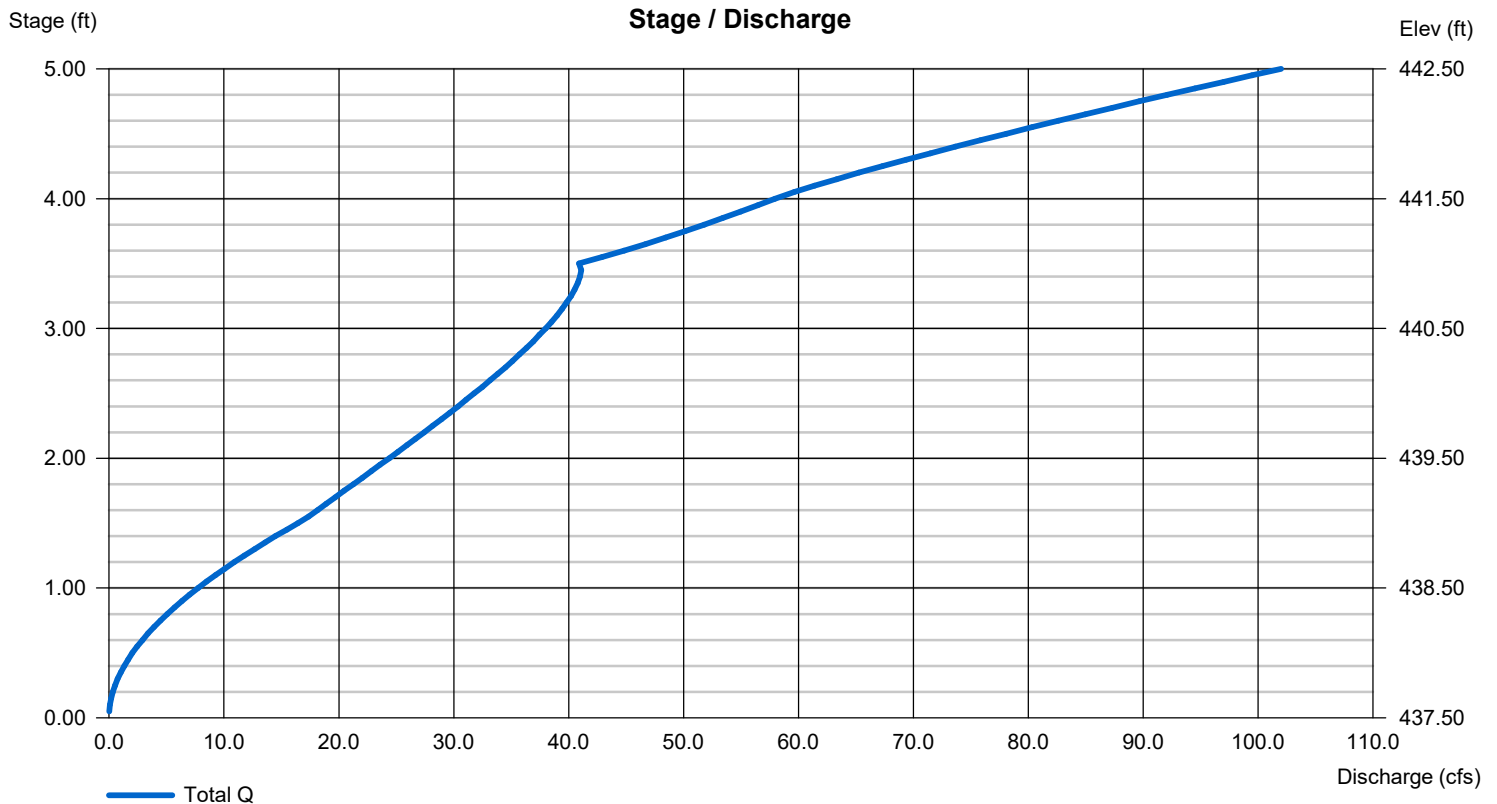
### Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 42.00	Inactive	Inactive	0.00
Span (in)	= 42.00	0.00	0.00	0.00
No. Barrels	= 1	0	0	0
Invert El. (ft)	= 437.50	0.00	0.00	0.00
Length (ft)	= 46.00	0.00	0.00	0.00
Slope (%)	= 1.08	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	No	No	No

### Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 6.00	Inactive	Inactive	0.00
Crest El. (ft)	= 441.50	0.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= Rect	---	---	---
Multi-Stage	= No	No	No	No
Exfil.(in/hr)	= 0.000 (by Wet area)			
TW Elev. (ft)	= 0.00			

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	42.51	1	21	53,568	-----	-----	-----	Pre Development	
2	Rational	60.00	1	15	53,998	-----	-----	-----	Post development-1a	
3	Rational	5.960	1	15	5,364	-----	-----	-----	post development-1b	
4	Combine	65.96	1	15	59,362	2, 3	-----	-----	combine-1	
5	Rational	18.19	1	15	16,367	-----	-----	-----	post development-2a	
6	Rational	6.149	1	15	5,534	-----	-----	-----	post development-2b	
7	Combine	24.33	1	15	21,901	5, 6	-----	-----	combine-2	
8	Combine	90.29	1	15	81,262	4, 7	-----	-----	<no description>	
9	Reservoir	32.54	1	25	81,205	8	440.05	54,740	detention pond 1	
drainage one pond_04-18-2023.gpw					Return Period: 2 Year			Wednesday, 04 / 19 / 2023		

# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	46.89	1	21	59,077	-----	-----	-----	Pre Development	
2	Rational	66.36	1	15	59,728	-----	-----	-----	Post development-1a	
3	Rational	6.592	1	15	5,933	-----	-----	-----	post development-1b	
4	Combine	72.96	1	15	65,661	2, 3	-----	-----	combine-1	
5	Rational	20.11	1	15	18,103	-----	-----	-----	post development-2a	
6	Rational	6.801	1	15	6,121	-----	-----	-----	post development-2b	
7	Combine	26.92	1	15	24,225	5, 6	-----	-----	combine-2	
8	Combine	99.87	1	15	89,885	4, 7	-----	-----	<no description>	
9	Reservoir	35.52	1	25	89,828	8	440.28	60,392	detention pond 1	
drainage one pond_04-18-2023.gpw					Return Period: 5 Year			Wednesday, 04 / 19 / 2023		



# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	56.26	1	21	70,892	-----	-----	-----	Pre Development	
2	Rational	77.90	1	15	70,107	-----	-----	-----	Post development-1a	
3	Rational	7.738	1	15	6,964	-----	-----	-----	post development-1b	
4	Combine	85.63	1	15	77,071	2, 3	-----	-----	combine-1	
5	Rational	23.61	1	15	21,249	-----	-----	-----	post development-2a	
6	Rational	7.983	1	15	7,185	-----	-----	-----	post development-2b	
7	Combine	31.59	1	15	28,434	5, 6	-----	-----	combine-2	
8	Combine	117.23	1	15	105,505	4, 7	-----	-----	<no description>	
9	Reservoir	39.88	1	25	105,448	8	440.71	71,054	detention pond 1	
drainage one pond_04-18-2023.gpw					Return Period: 10 Year			Wednesday, 04 / 19 / 2023		

# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	64.78	1	21	81,626	-----	-----	-----	Pre Development	
2	Rational	89.29	1	15	80,357	-----	-----	-----	Post development-1a	
3	Rational	8.869	1	15	7,982	-----	-----	-----	post development-1b	
4	Combine	98.15	1	15	88,339	2, 3	-----	-----	combine-1	
5	Rational	27.06	1	15	24,356	-----	-----	-----	post development-2a	
6	Rational	9.151	1	15	8,235	-----	-----	-----	post development-2b	
7	Combine	36.21	1	15	32,591	5, 6	-----	-----	combine-2	
8	Combine	134.37	1	15	120,930	4, 7	-----	-----	<no description>	
9	Reservoir	45.74	1	25	120,872	8	441.12	81,944	detention pond 1	
drainage one pond_04-18-2023.gpw					Return Period: 25 Year			Wednesday, 04 / 19 / 2023		

# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	73.87	1	21	93,080	-----	-----	-----	Pre Development	
2	Rational	101.77	1	15	91,590	-----	-----	-----	Post development-1a	
3	Rational	10.11	1	15	9,098	-----	-----	-----	post development-1b	
4	Combine	111.88	1	15	100,688	2, 3	-----	-----	combine-1	
5	Rational	30.85	1	15	27,761	-----	-----	-----	post development-2a	
6	Rational	10.43	1	15	9,387	-----	-----	-----	post development-2b	
7	Combine	41.27	1	15	37,147	5, 6	-----	-----	combine-2	
8	Combine	153.15	1	15	137,835	4, 7	-----	-----	<no description>	
9	Reservoir	57.52	1	24	137,777	8	441.49	91,647	detention pond 1	
drainage one pond_04-18-2023.gpw					Return Period: 50 Year			Wednesday, 04 / 19 / 2023		

# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	78.94	1	21	99,461	-----	-----	-----	Pre Development	
2	Rational	108.11	1	15	97,303	-----	-----	-----	Post development-1a	
3	Rational	10.74	1	15	9,665	-----	-----	-----	post development-1b	
4	Combine	118.85	1	15	106,968	2, 3	-----	-----	combine-1	
5	Rational	32.77	1	15	29,492	-----	-----	-----	post development-2a	
6	Rational	11.08	1	15	9,972	-----	-----	-----	post development-2b	
7	Combine	43.85	1	15	39,464	5, 6	-----	-----	combine-2	
8	Combine	162.70	1	15	146,433	4, 7	-----	-----	<no description>	
9	Reservoir	63.55	1	24	146,374	8	441.66	96,403	detention pond 1	
drainage one pond_04-18-2023.gpw					Return Period: 100 Year			Wednesday, 04 / 19 / 2023		

# Watershed Model Schematic

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023



## Legend

<u>Hyd.</u>	<u>Origin</u>	<u>Description</u>
1	Rational	Pre development
2	Rational	Post development
3	Reservoir	detention pond

# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

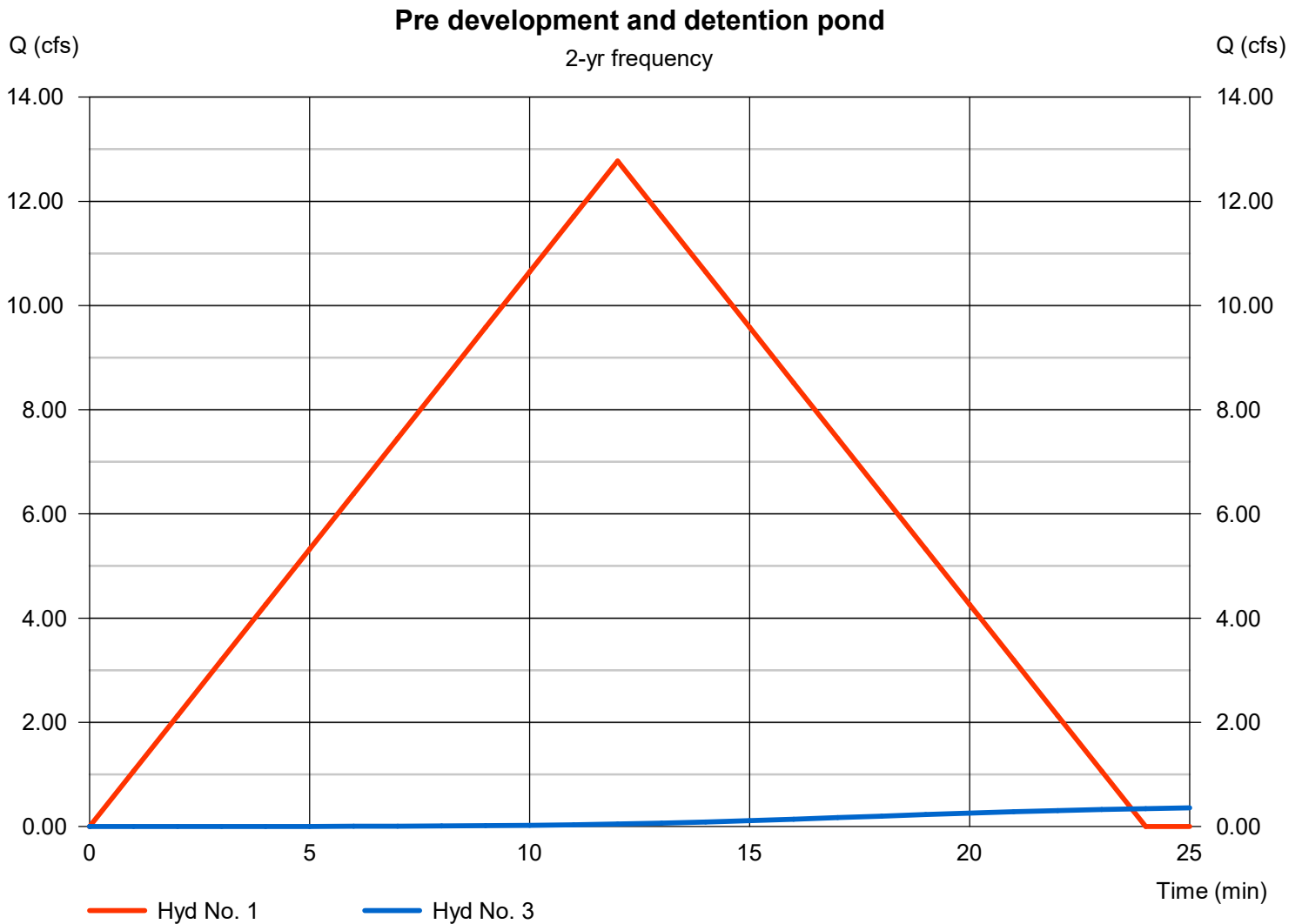
Pre development

Hydrograph type = Rational  
Peak discharge = 12.77 cfs  
Time to peak = 12 min  
Hyd. Volume = 9,197 cuft

## Hyd. No. 3

detention pond

Hydrograph type = Reservoir  
Peak discharge = 0.39 cfs  
Time to peak = 29 min  
Hyd. Volume = 5,573 cuft



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

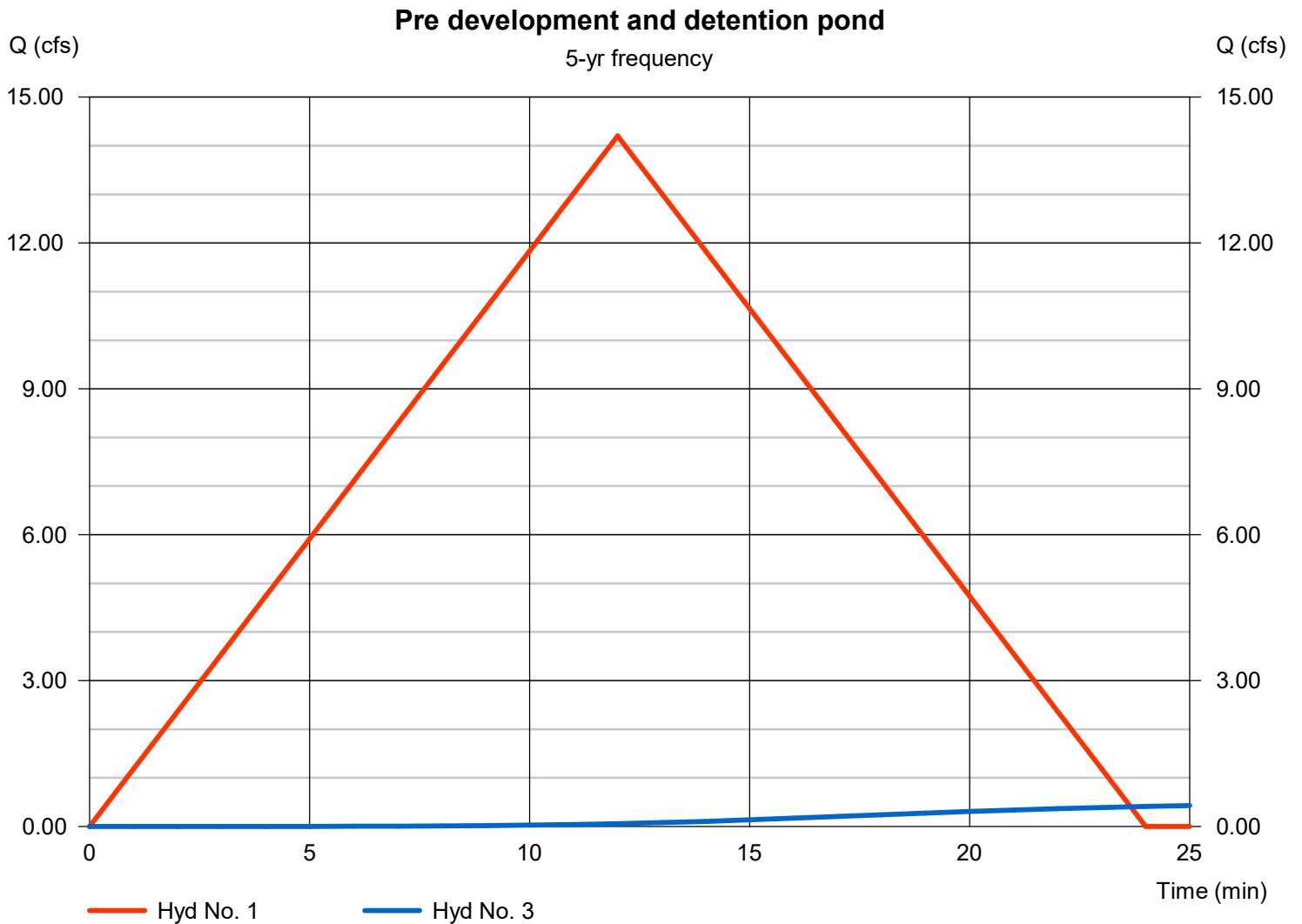
Pre development

Hydrograph type = Rational  
Peak discharge = 14.20 cfs  
Time to peak = 12 min  
Hyd. Volume = 10,226 cuft

## Hyd. No. 3

detention pond

Hydrograph type = Reservoir  
Peak discharge = 0.46 cfs  
Time to peak = 29 min  
Hyd. Volume = 6,203 cuft



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

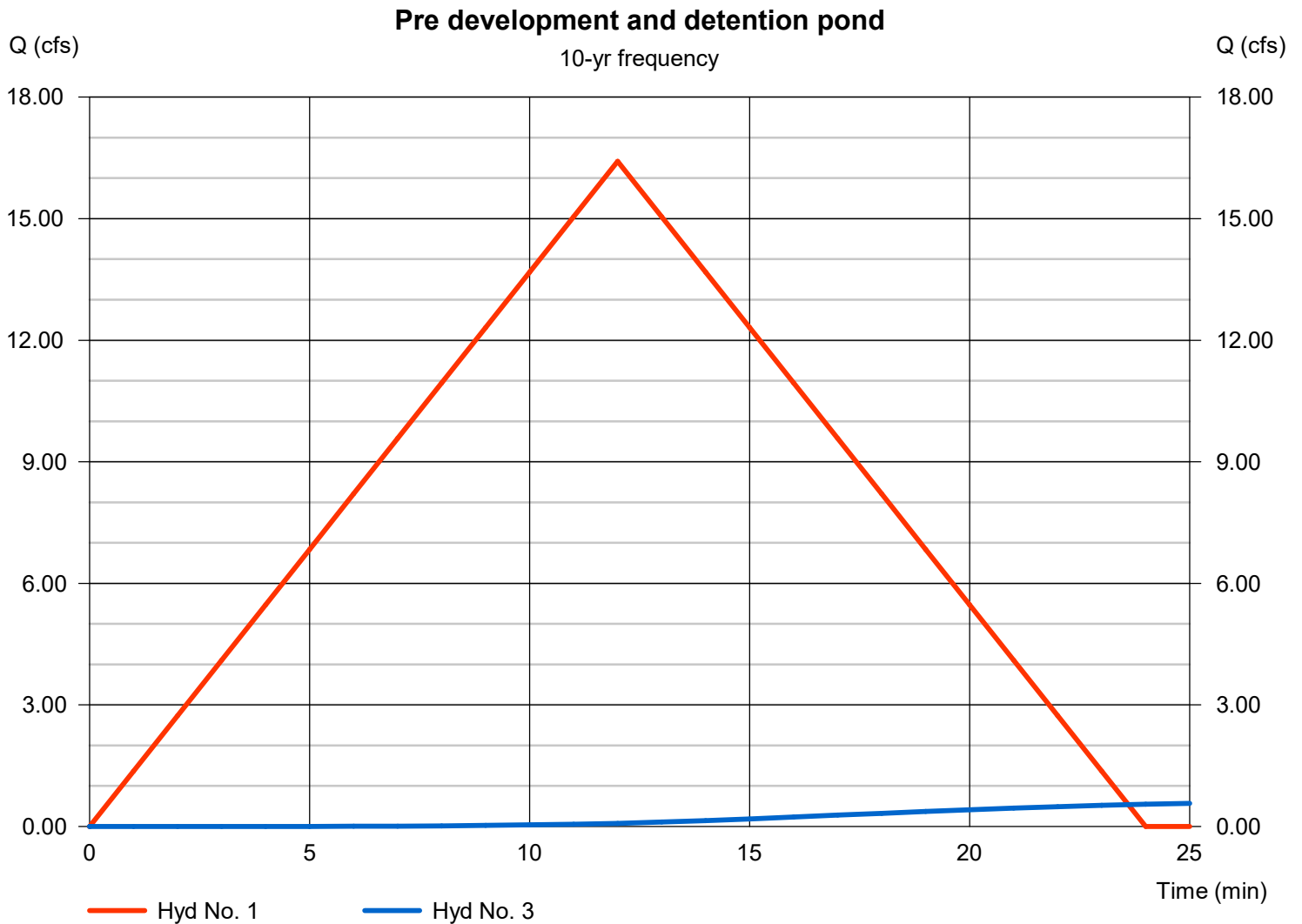
Pre development

Hydrograph type = Rational  
Peak discharge = 16.42 cfs  
Time to peak = 12 min  
Hyd. Volume = 11,819 cuft

## Hyd. No. 3

detention pond

Hydrograph type = Reservoir  
Peak discharge = 0.61 cfs  
Time to peak = 29 min  
Hyd. Volume = 7,345 cuft





# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

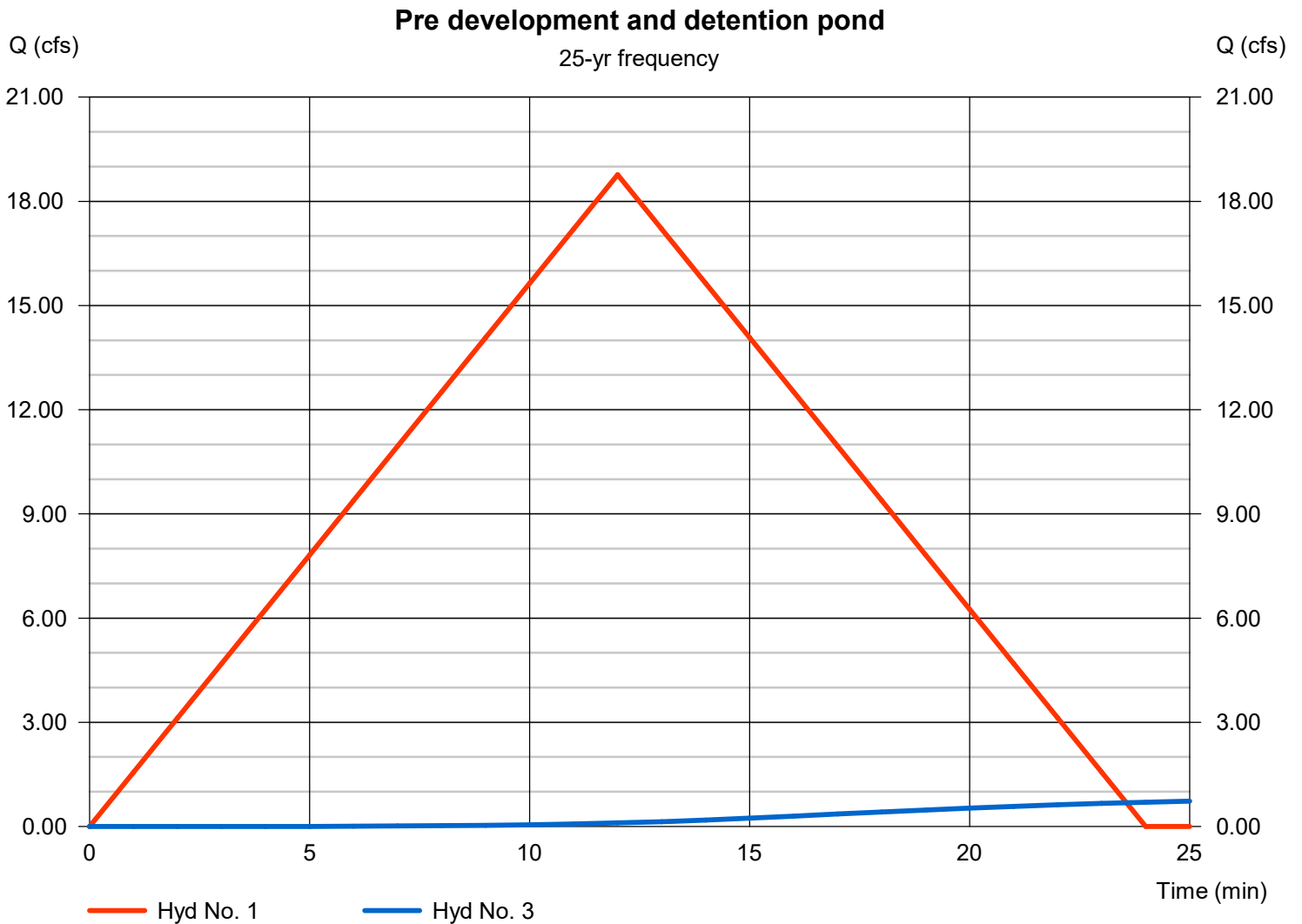
Pre development

Hydrograph type = Rational  
Peak discharge = 18.77 cfs  
Time to peak = 12 min  
Hyd. Volume = 13,512 cuft

## Hyd. No. 3

detention pond

Hydrograph type = Reservoir  
Peak discharge = 0.77 cfs  
Time to peak = 29 min  
Hyd. Volume = 8,475 cuft



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

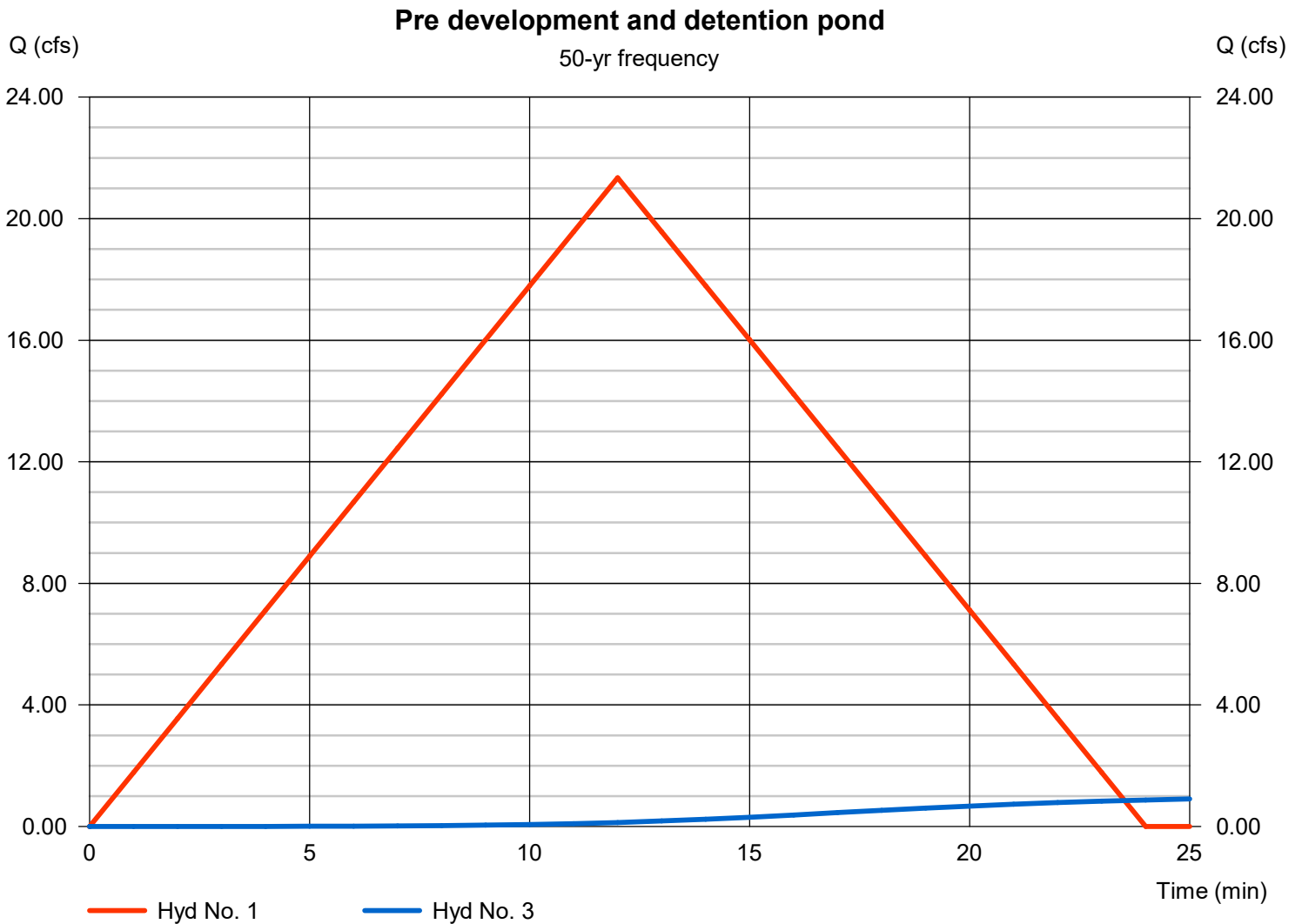
Pre development

Hydrograph type = Rational  
Peak discharge = 21.35 cfs  
Time to peak = 12 min  
Hyd. Volume = 15,370 cuft

## Hyd. No. 3

detention pond

Hydrograph type = Reservoir  
Peak discharge = 0.96 cfs  
Time to peak = 29 min  
Hyd. Volume = 9,713 cuft



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

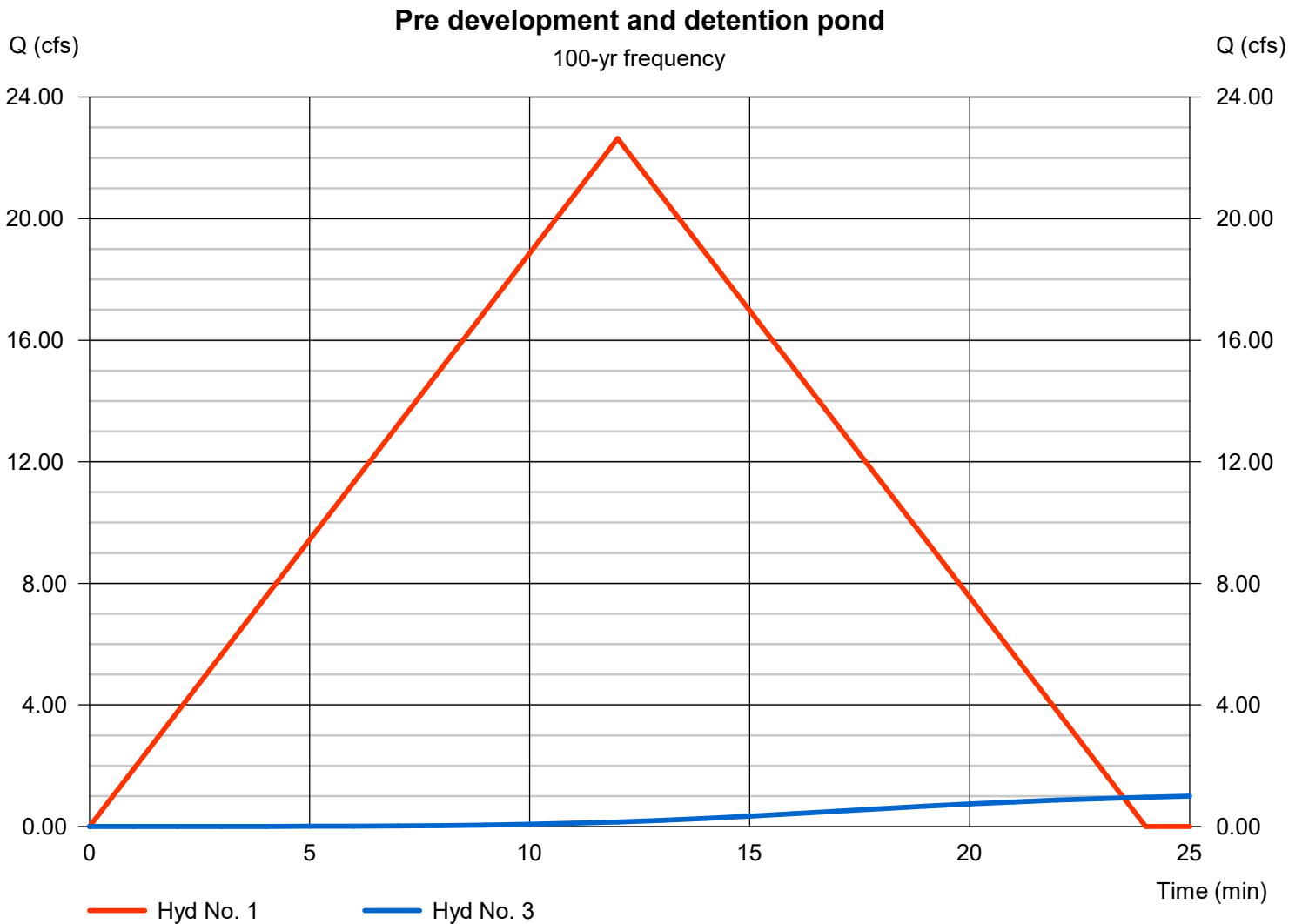
Pre development

Hydrograph type = Rational  
Peak discharge = 22.64 cfs  
Time to peak = 12 min  
Hyd. Volume = 16,299 cuft

## Hyd. No. 3

detention pond

Hydrograph type = Reservoir  
Peak discharge = 1.06 cfs  
Time to peak = 29 min  
Hyd. Volume = 10,343 cuft



# Pond Report

## Pond No. 1 - Detention Pond 2

### Pond Data

Trapezoid -Bottom L x W = 145.0 x 126.0 ft, Side slope = 3.00:1, Bottom elev. = 511.00 ft, Depth = 2.00 ft

### Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	511.00	18,270	0	0
0.20	511.20	18,597	3,687	3,687
0.40	511.40	18,926	3,752	7,439
0.60	511.60	19,259	3,818	11,257
0.80	511.80	19,594	3,885	15,142
1.00	512.00	19,932	3,953	19,095
1.20	512.20	20,273	4,020	23,115
1.40	512.40	20,617	4,089	27,204
1.60	512.60	20,964	4,158	31,362
1.80	512.80	21,313	4,228	35,590
2.00	513.00	21,666	4,298	39,888

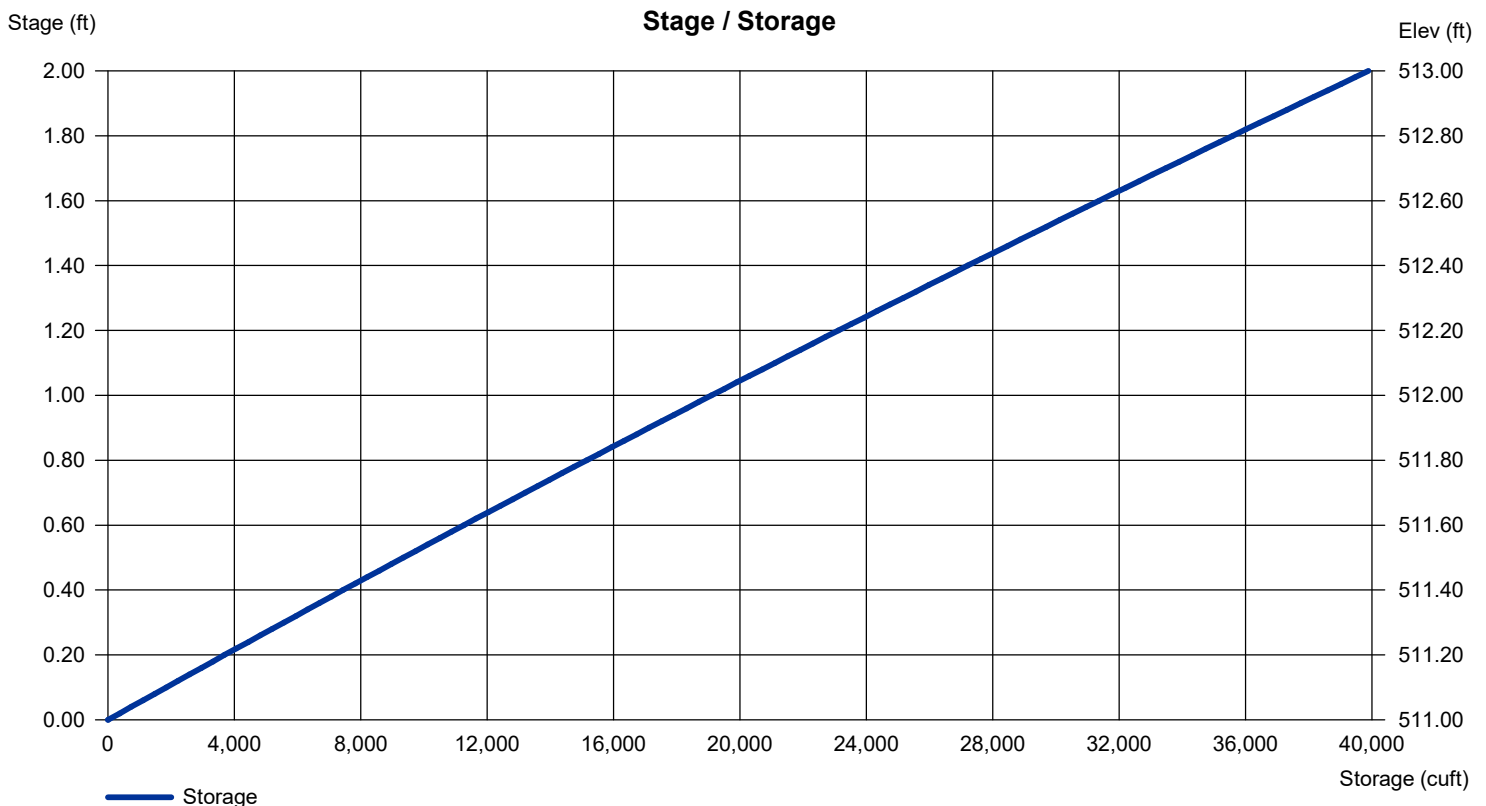
### Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 12.00	Inactive	Inactive	0.00
Span (in)	= 12.00	0.00	0.00	0.00
No. Barrels	= 1	0	0	0
Invert El. (ft)	= 511.00	0.00	0.00	0.00
Length (ft)	= 64.00	0.00	0.00	0.00
Slope (%)	= 9.00	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	No	No	No

### Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 6.00	0.00	0.00	0.00
Crest El. (ft)	= 512.00	0.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= Rect	---	---	---
Multi-Stage	= No	No	No	No
Exfil.(in/hr)	= 0.000 (by Contour)			
TW Elev. (ft)	= 0.00			

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	12.77	1	12	9,197	-----	-----	-----	Pre development	
2	Rational	6.629	1	15	5,966	-----	-----	-----	Post development	
3	Reservoir	0.387	1	29	5,573	2	511.31	5,693	detention pond	
DETENTION POND 2.gpw					Return Period: 2 Year			Thursday, 10 / 6 / 2022		

# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description
1	Rational	14.20	1	12	10,226	-----	-----	-----	Pre development
2	Rational	7.333	1	15	6,599	-----	-----	-----	Post development
3	Reservoir	0.462	1	29	6,203	2	511.34	6,272	detention pond
DETENTION POND 2.gpw					Return Period: 5 Year			Thursday, 10 / 6 / 2022	

# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	16.42	1	12	11,819	-----	-----	-----	Pre development	
2	Rational	8.607	1	15	7,746	-----	-----	-----	Post development	
3	Reservoir	0.613	1	29	7,345	2	511.39	7,310	detention pond	
DETENTION POND 2.gpw					Return Period: 10 Year			Thursday, 10 / 6 / 2022		

# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	18.77	1	12	13,512	-----	-----	-----	Pre development	
2	Rational	9.865	1	15	8,879	-----	-----	-----	Post development	
3	Reservoir	0.773	1	29	8,475	2	511.45	8,325	detention pond	
DETENTION POND 2.gpw					Return Period: 25 Year			Thursday, 10 / 6 / 2022		



# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	21.35	1	12	15,370	-----	-----	-----	Pre development	
2	Rational	11.24	1	15	10,120	-----	-----	-----	Post development	
3	Reservoir	0.959	1	29	9,713	2	511.50	9,427	detention pond	
DETENTION POND 2.gpw					Return Period: 50 Year			Thursday, 10 / 6 / 2022		

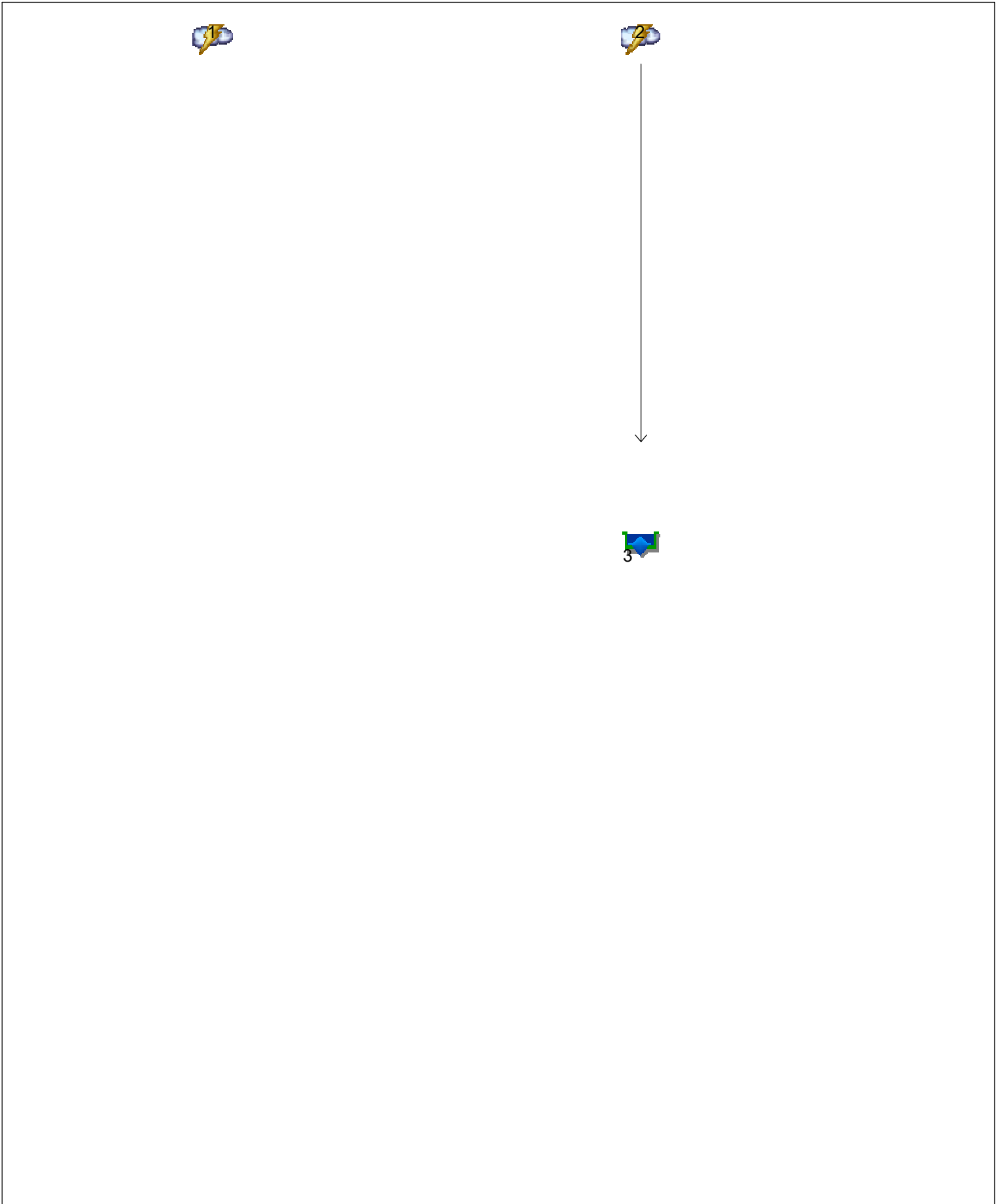
# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	22.64	1	12	16,299	-----	-----	-----	Pre development	
2	Rational	11.95	1	15	10,751	-----	-----	-----	Post development	
3	Reservoir	1.059	1	29	10,343	2	511.53	9,983	detention pond	
DETENTION POND 2.gpw					Return Period: 100 Year			Thursday, 10 / 6 / 2022		

# Watershed Model Schematic

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

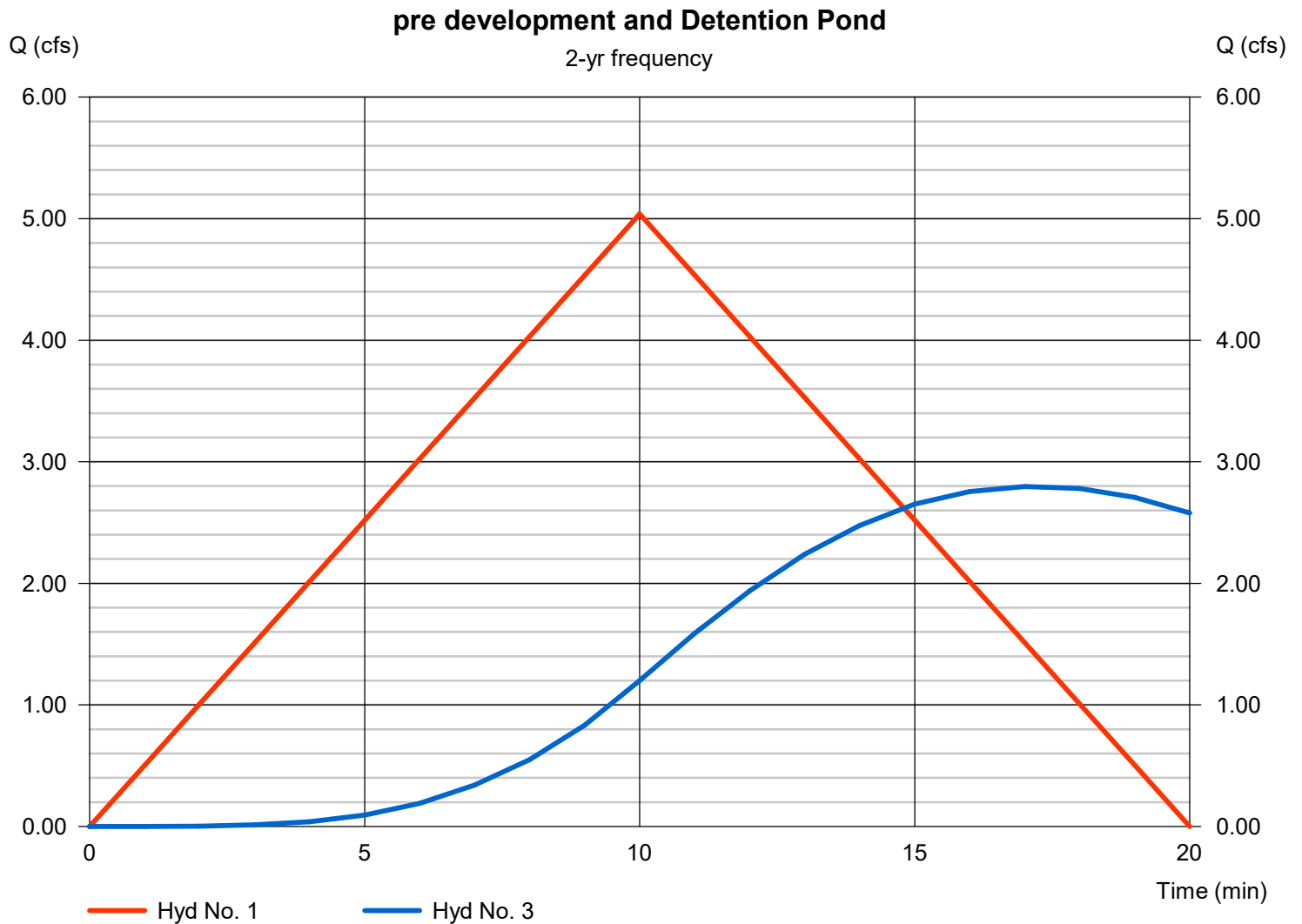
pre development

Hydrograph type = Rational  
Peak discharge = 5.039 cfs  
Time to peak = 10 min  
Hyd. Volume = 3,023 cuft

## Hyd. No. 3

Detention Pond

Hydrograph type = Reservoir  
Peak discharge = 2.80 cfs  
Time to peak = 17 min  
Hyd. Volume = 5,925 cuft



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

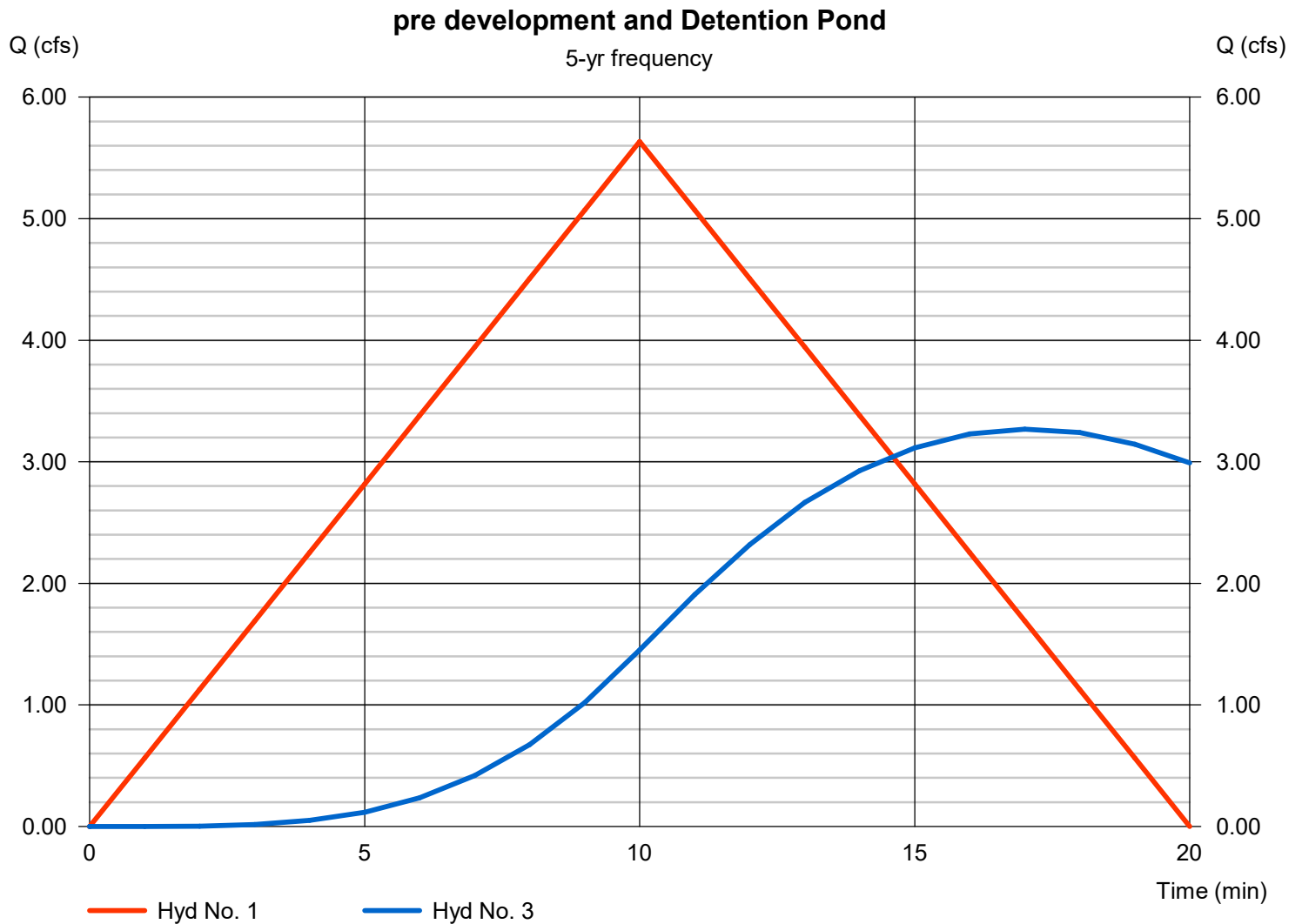
pre development

Hydrograph type = Rational  
Peak discharge = 5.635 cfs  
Time to peak = 10 min  
Hyd. Volume = 3,381 cuft

## Hyd. No. 3

Detention Pond

Hydrograph type = Reservoir  
Peak discharge = 3.27 cfs  
Time to peak = 17 min  
Hyd. Volume = 6,630 cuft



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

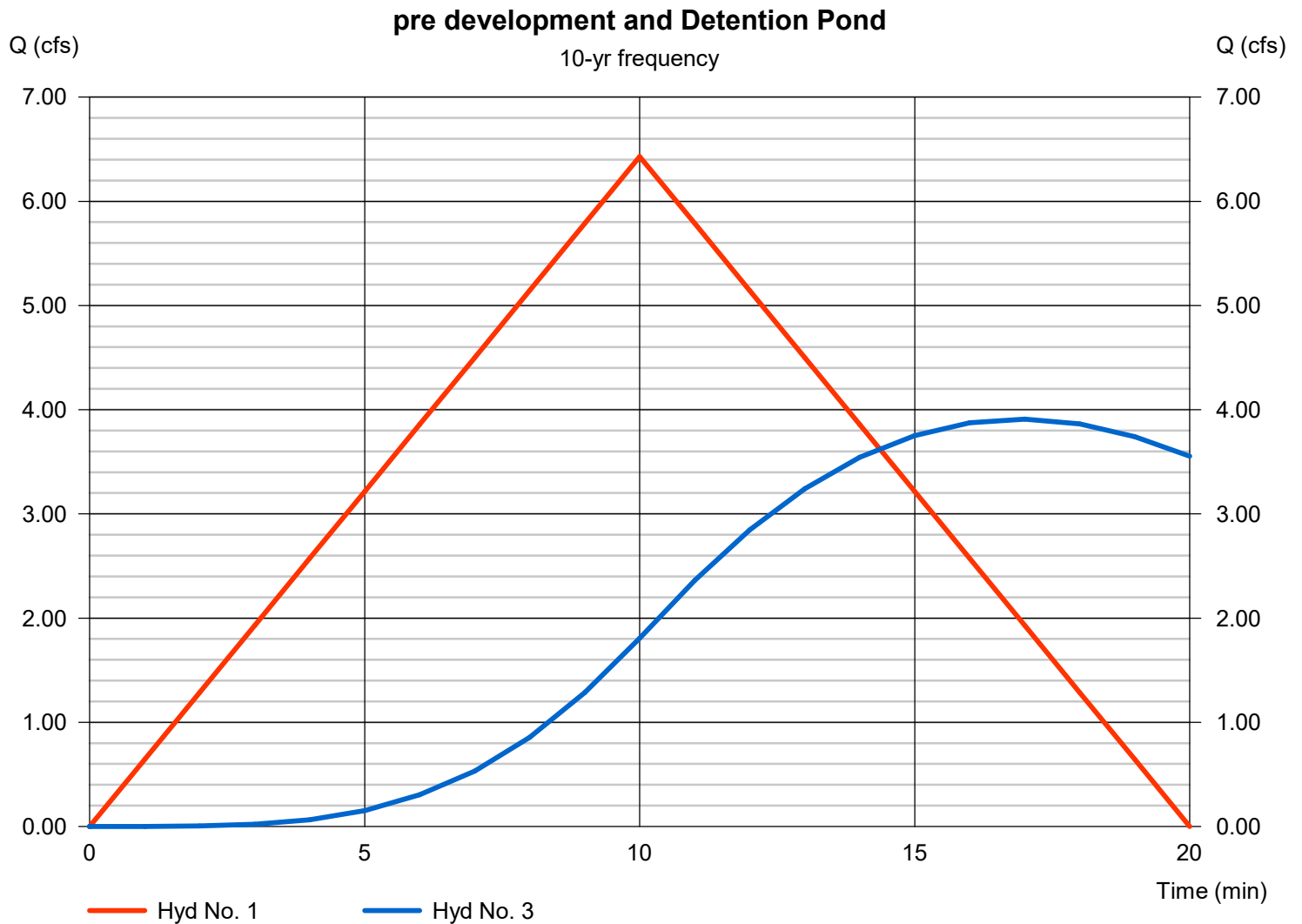
pre development

Hydrograph type = Rational  
Peak discharge = 6.430 cfs  
Time to peak = 10 min  
Hyd. Volume = 3,858 cuft

## Hyd. No. 3

Detention Pond

Hydrograph type = Reservoir  
Peak discharge = 3.91 cfs  
Time to peak = 17 min  
Hyd. Volume = 7,571 cuft



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

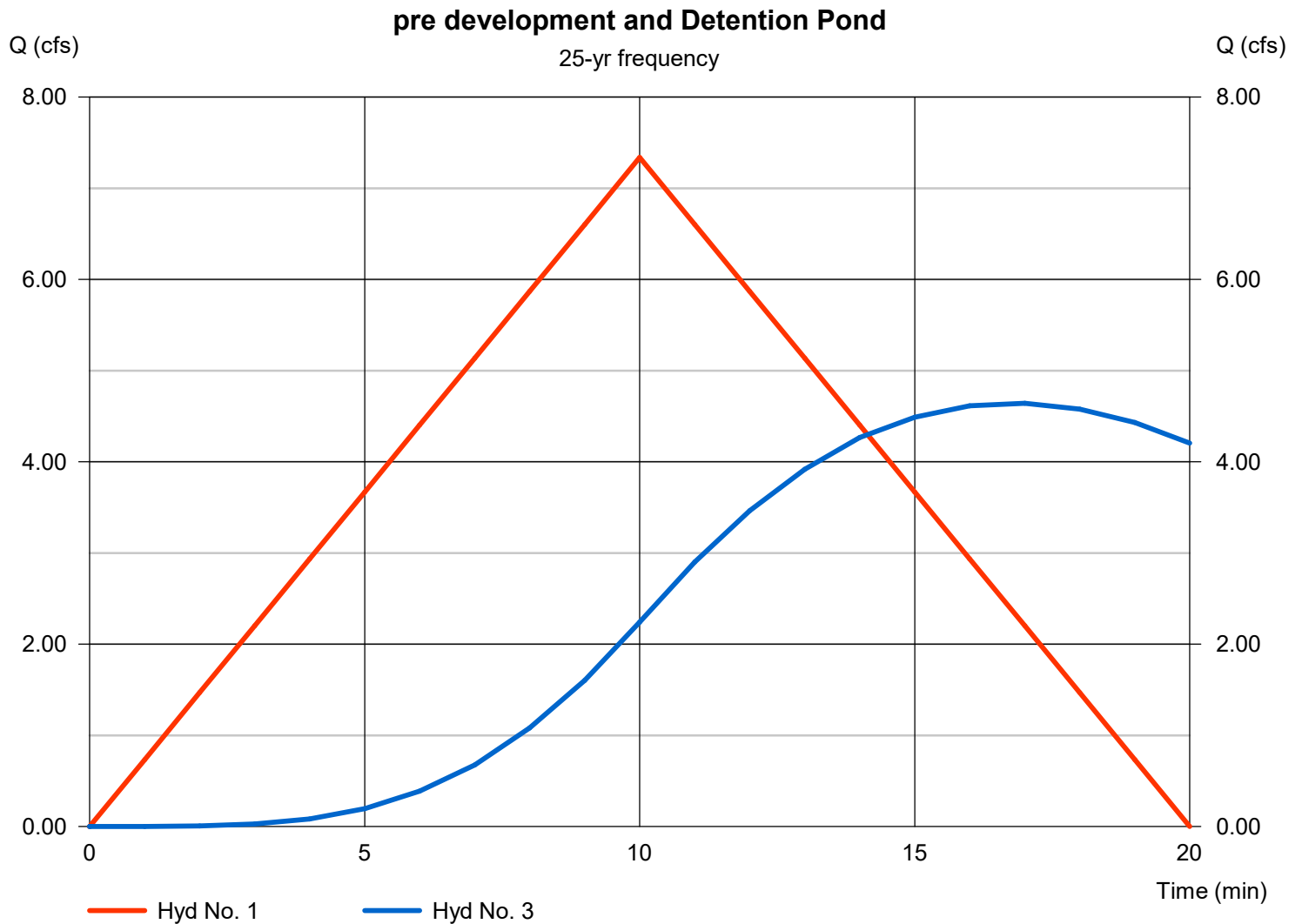
pre development

Hydrograph type = Rational  
Peak discharge = 7.337 cfs  
Time to peak = 10 min  
Hyd. Volume = 4,402 cuft

## Hyd. No. 3

Detention Pond

Hydrograph type = Reservoir  
Peak discharge = 4.64 cfs  
Time to peak = 17 min  
Hyd. Volume = 8,645 cuft



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

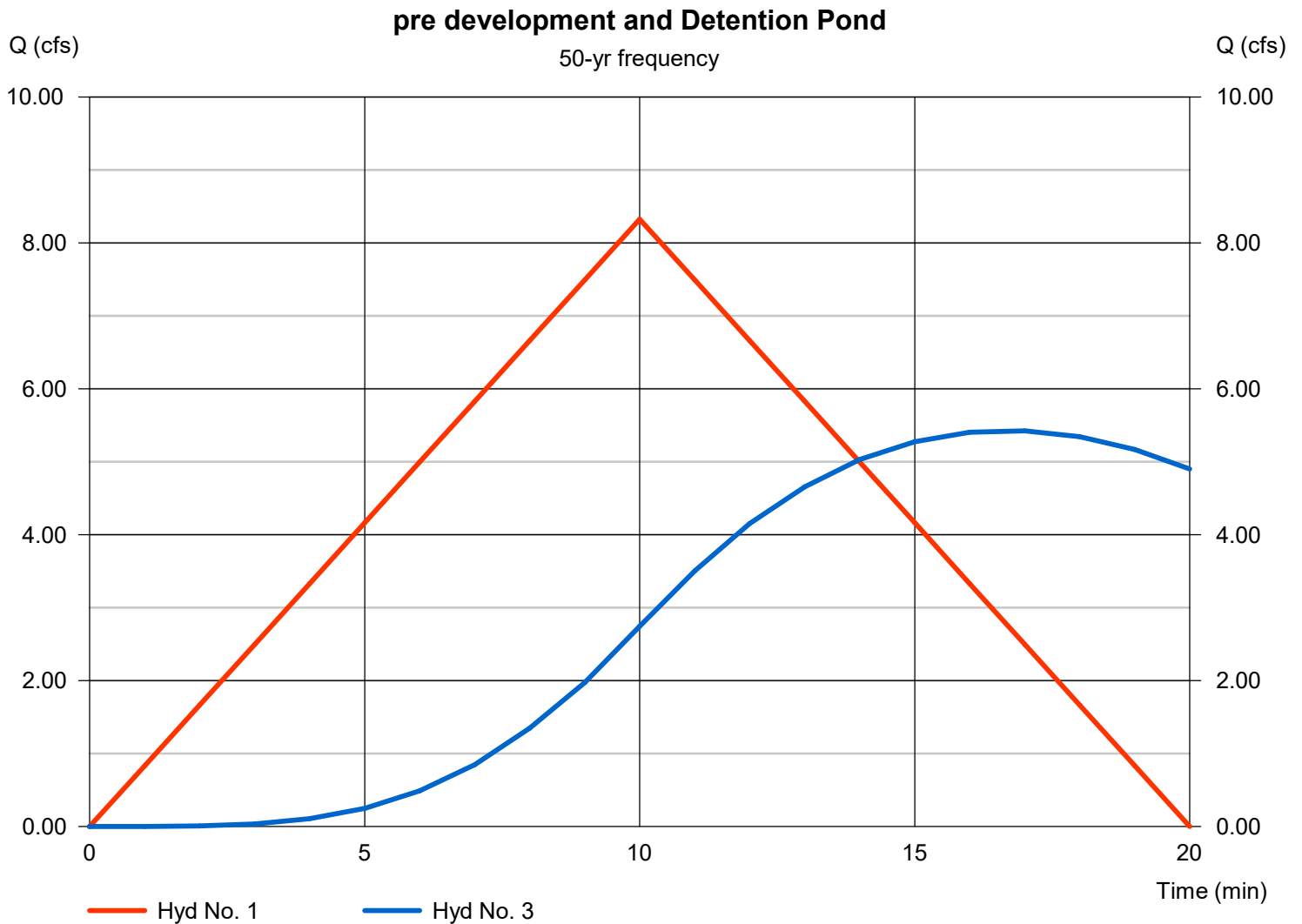
pre development

Hydrograph type = Rational  
Peak discharge = 8.326 cfs  
Time to peak = 10 min  
Hyd. Volume = 4,995 cuft

## Hyd. No. 3

Detention Pond

Hydrograph type = Reservoir  
Peak discharge = 5.42 cfs  
Time to peak = 17 min  
Hyd. Volume = 9,816 cuft





# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

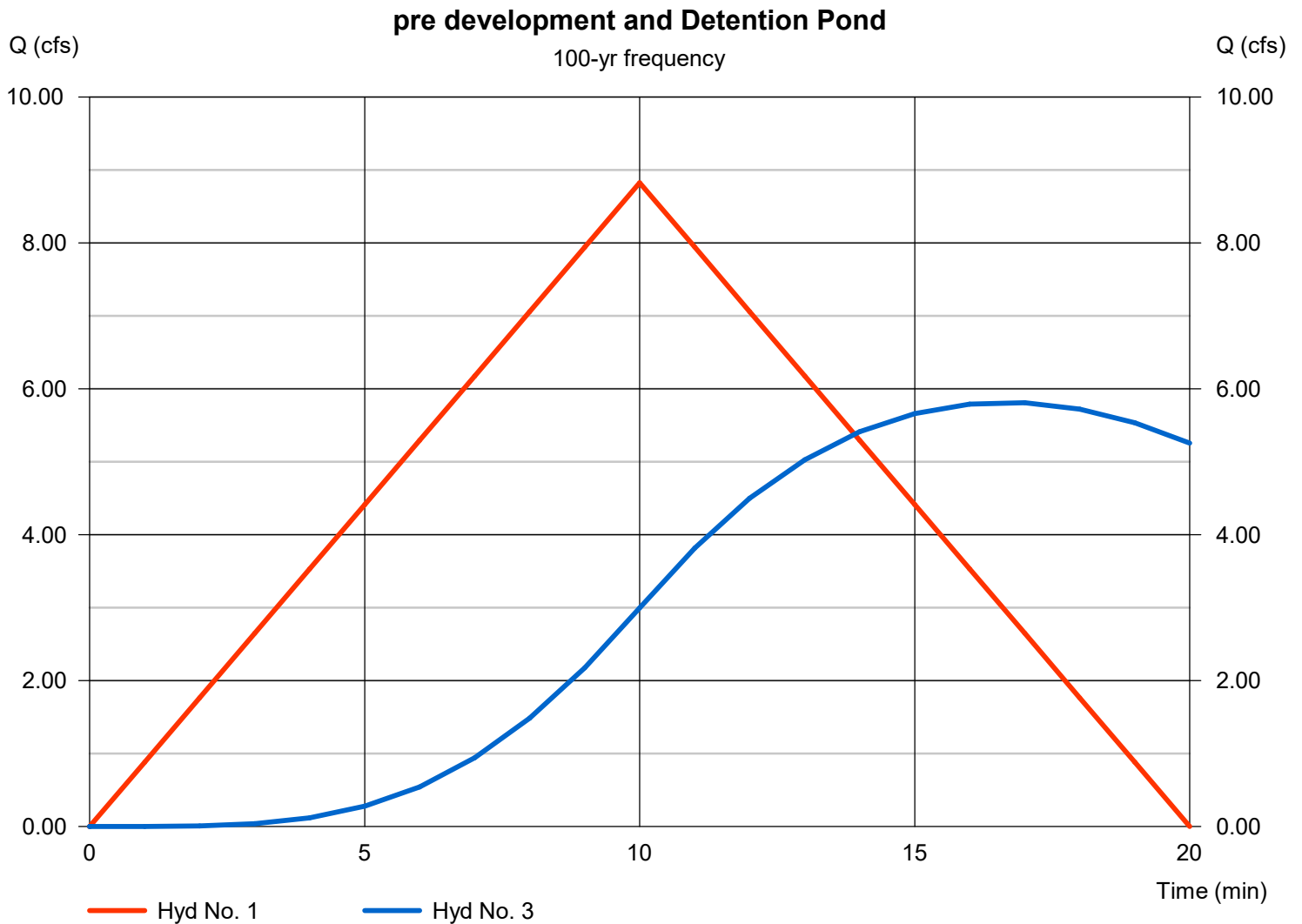
pre development

Hydrograph type = Rational  
Peak discharge = 8.825 cfs  
Time to peak = 10 min  
Hyd. Volume = 5,295 cuft

## Hyd. No. 3

Detention Pond

Hydrograph type = Reservoir  
Peak discharge = 5.81 cfs  
Time to peak = 17 min  
Hyd. Volume = 10,406 cuft



# Pond Report

## Pond No. 1 - Detention Pond -3

### Pond Data

Trapezoid -Bottom L x W = 106.0 x 52.0 ft, Side slope = 3.00:1, Bottom elev. = 495.00 ft, Depth = 2.50 ft

### Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	495.00	5,512	0	0
0.25	495.25	5,751	1,408	1,408
0.50	495.50	5,995	1,468	2,876
0.75	495.75	6,243	1,530	4,406
1.00	496.00	6,496	1,592	5,998
1.25	496.25	6,753	1,656	7,654
1.50	496.50	7,015	1,721	9,375
1.75	496.75	7,281	1,787	11,162
2.00	497.00	7,552	1,854	13,016
2.25	497.25	7,827	1,922	14,938
2.50	497.50	8,107	1,992	16,930

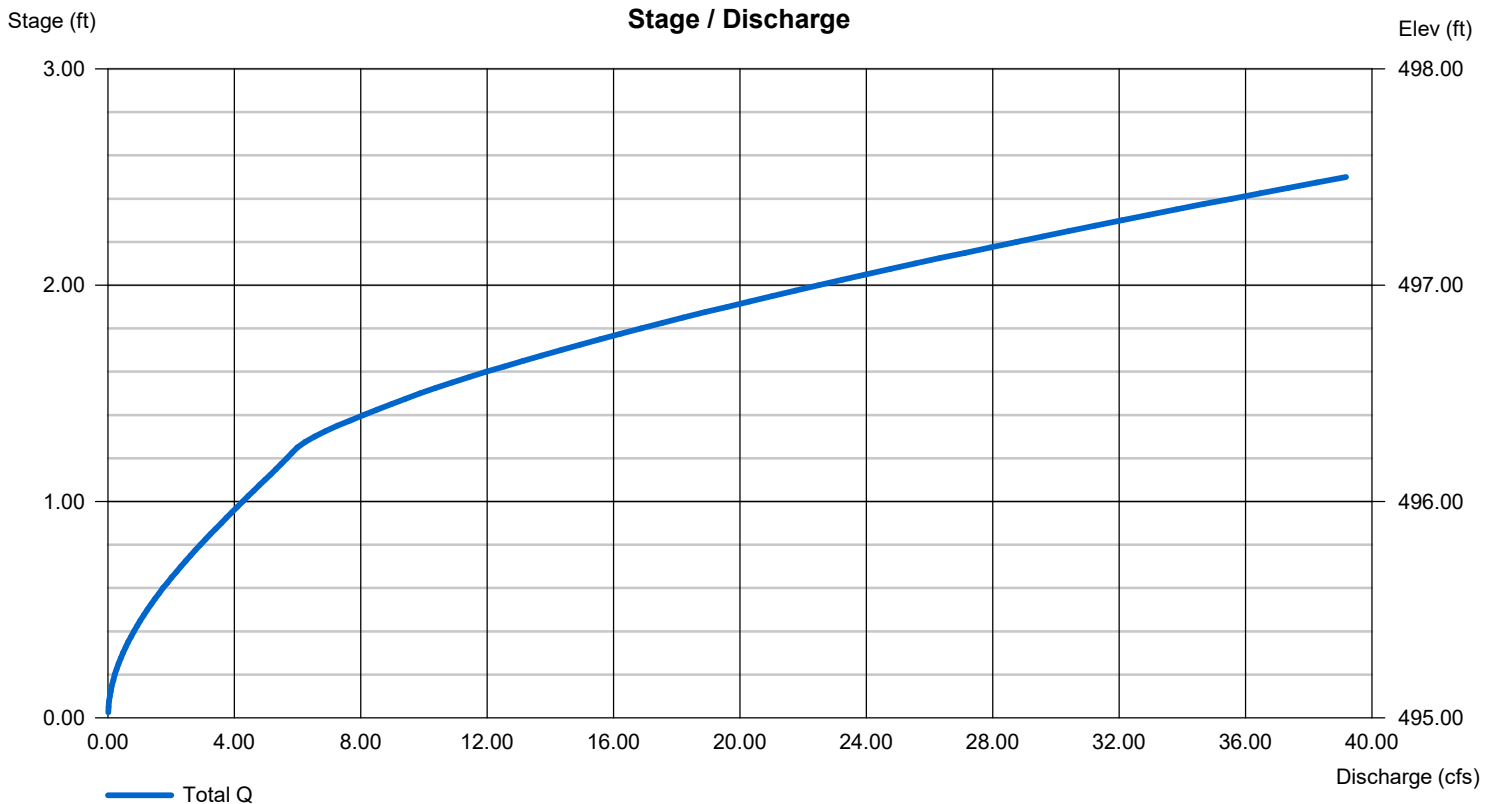
### Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 18.00	0.00	0.00	0.00
Span (in)	= 18.00	0.00	0.00	0.00
No. Barrels	= 1	0	0	0
Invert El. (ft)	= 495.00	0.00	0.00	0.00
Length (ft)	= 29.00	0.00	0.00	0.00
Slope (%)	= 12.74	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	No	No	No

### Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 6.00	0.00	0.00	0.00
Crest El. (ft)	= 496.25	0.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= Rect	---	---	---
Multi-Stage	= No	No	No	No
Exfil.(in/hr)	= 0.000 (by Wet area)			
TW Elev. (ft)	= 0.00			

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	5.039	1	10	3,023	-----	-----	-----	pre development	
2	Rational	9.942	1	10	5,965	-----	-----	-----	post development	
3	Reservoir	2.797	1	17	5,925	2	495.78	4,598	Detention Pond	
detention pond 3.gpw					Return Period: 2 Year			Wednesday, 04 / 19 / 2023		

# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	5.635	1	10	3,381	-----	-----	-----	pre development	
2	Rational	11.12	1	10	6,671	-----	-----	-----	post development	
3	Reservoir	3.269	1	17	6,630	2	495.85	5,064	Detention Pond	
detention pond 3.gpw					Return Period: 5 Year			Wednesday, 04 / 19 / 2023		

# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	6.430	1	10	3,858	-----	-----	-----	pre development	
2	Rational	12.69	1	10	7,612	-----	-----	-----	post development	
3	Reservoir	3.910	1	17	7,571	2	495.95	5,674	Detention Pond	
detention pond 3.gpw					Return Period: 10 Year			Wednesday, 04 / 19 / 2023		

# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	7.337	1	10	4,402	-----	-----	-----	pre development	
2	Rational	14.48	1	10	8,686	-----	-----	-----	post development	
3	Reservoir	4.642	1	17	8,645	2	496.05	6,359	Detention Pond	
detention pond 3.gpw					Return Period: 25 Year			Wednesday, 04 / 19 / 2023		

# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	8.326	1	10	4,995	-----	-----	-----	pre development	
2	Rational	16.43	1	10	9,856	-----	-----	-----	post development	
3	Reservoir	5.424	1	17	9,816	2	496.17	7,100	Detention Pond	
detention pond 3.gpw					Return Period: 50 Year			Wednesday, 04 / 19 / 2023		

# Hydrograph Summary Report

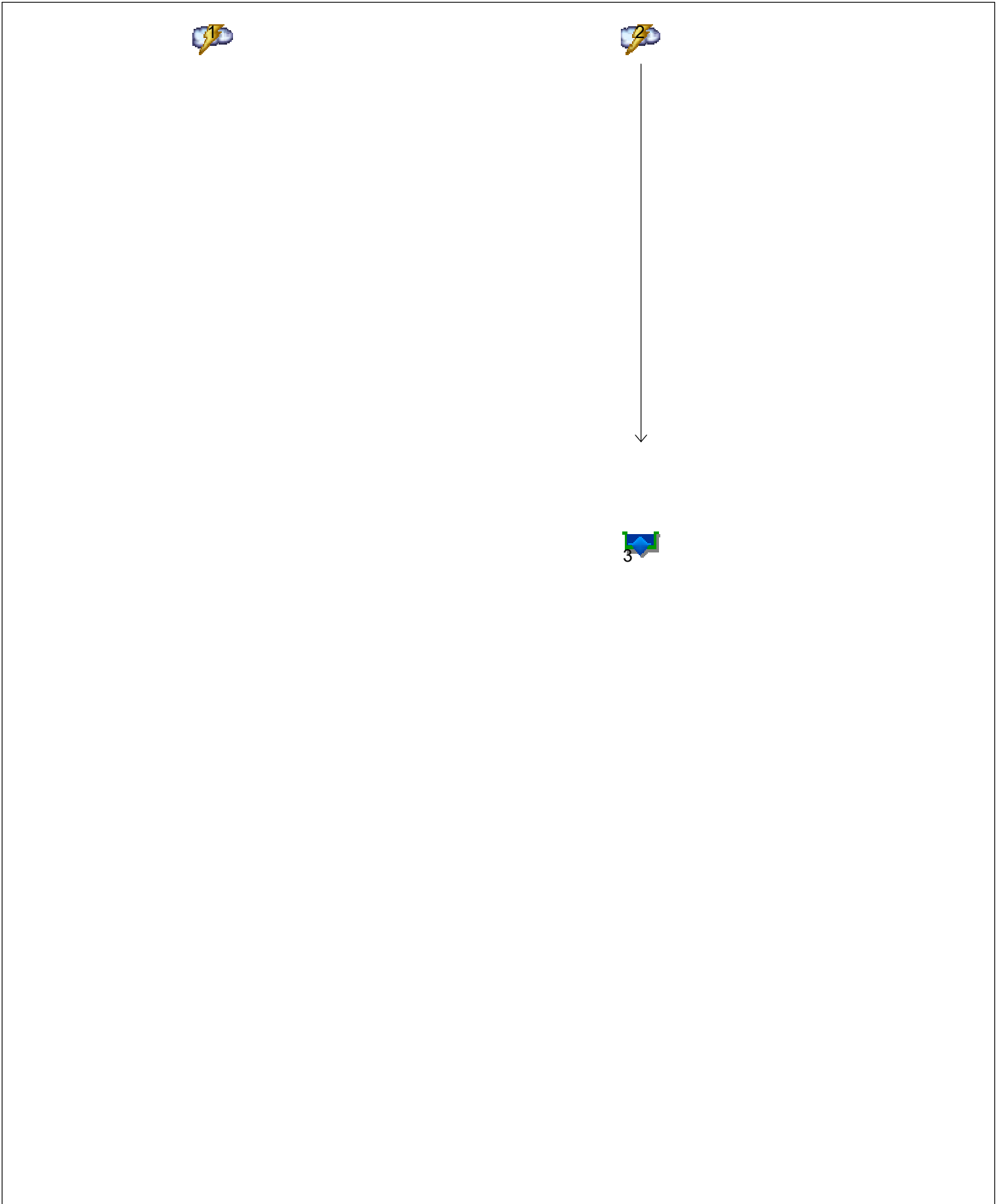
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	8.825	1	10	5,295	-----	-----	-----	pre development	
2	Rational	17.41	1	10	10,447	-----	-----	-----	post development	
3	Reservoir	5.810	1	17	10,406	2	496.22	7,475	Detention Pond	
detention pond 3.gpw					Return Period: 100 Year			Wednesday, 04 / 19 / 2023		



# Watershed Model Schematic

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

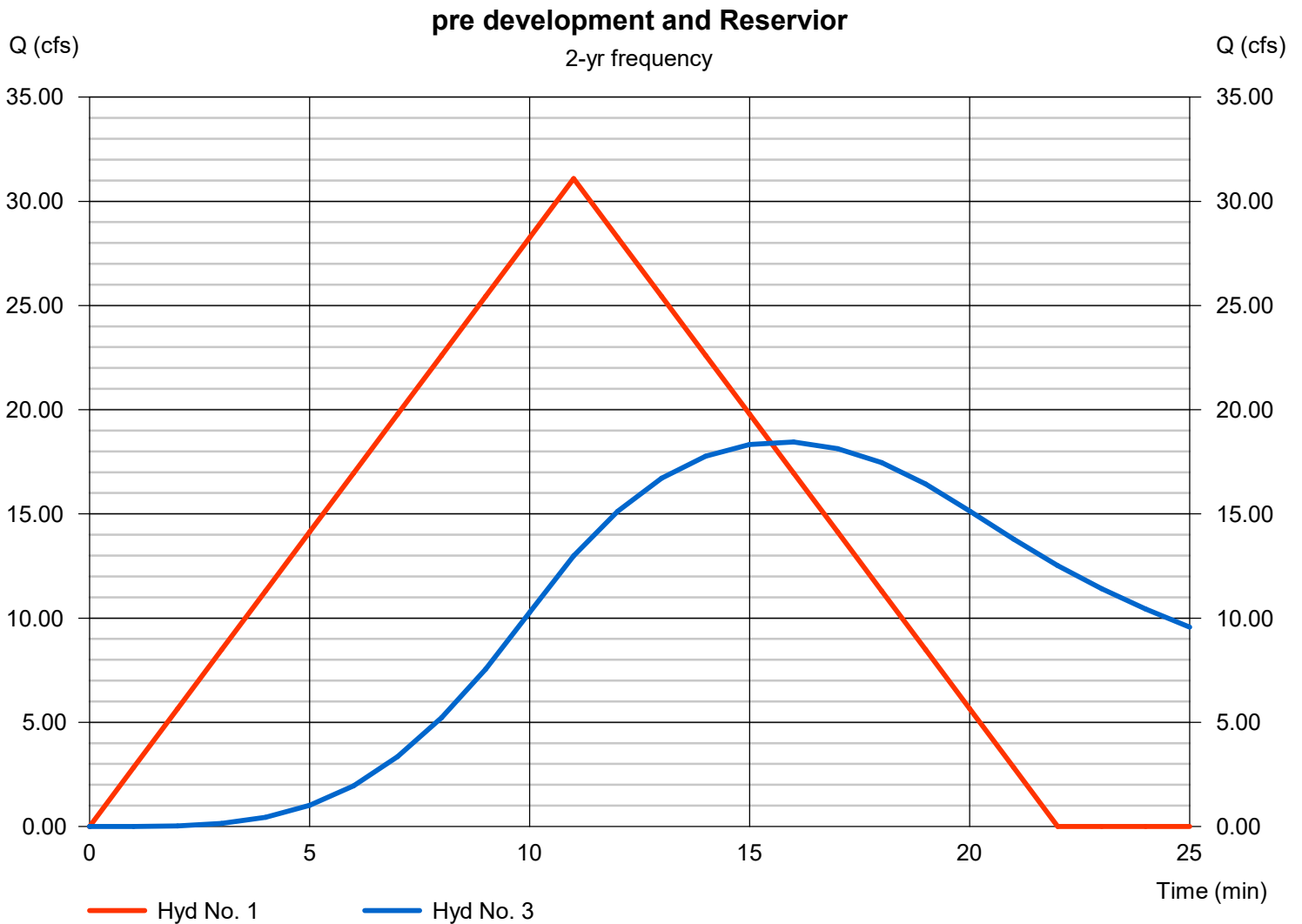
pre development

Hydrograph type = Rational  
Peak discharge = 31.09 cfs  
Time to peak = 11 min  
Hyd. Volume = 20,519 cuft

## Hyd. No. 3

Reservoir

Hydrograph type = Reservoir  
Peak discharge = 18.44 cfs  
Time to peak = 16 min  
Hyd. Volume = 25,931 cuft



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

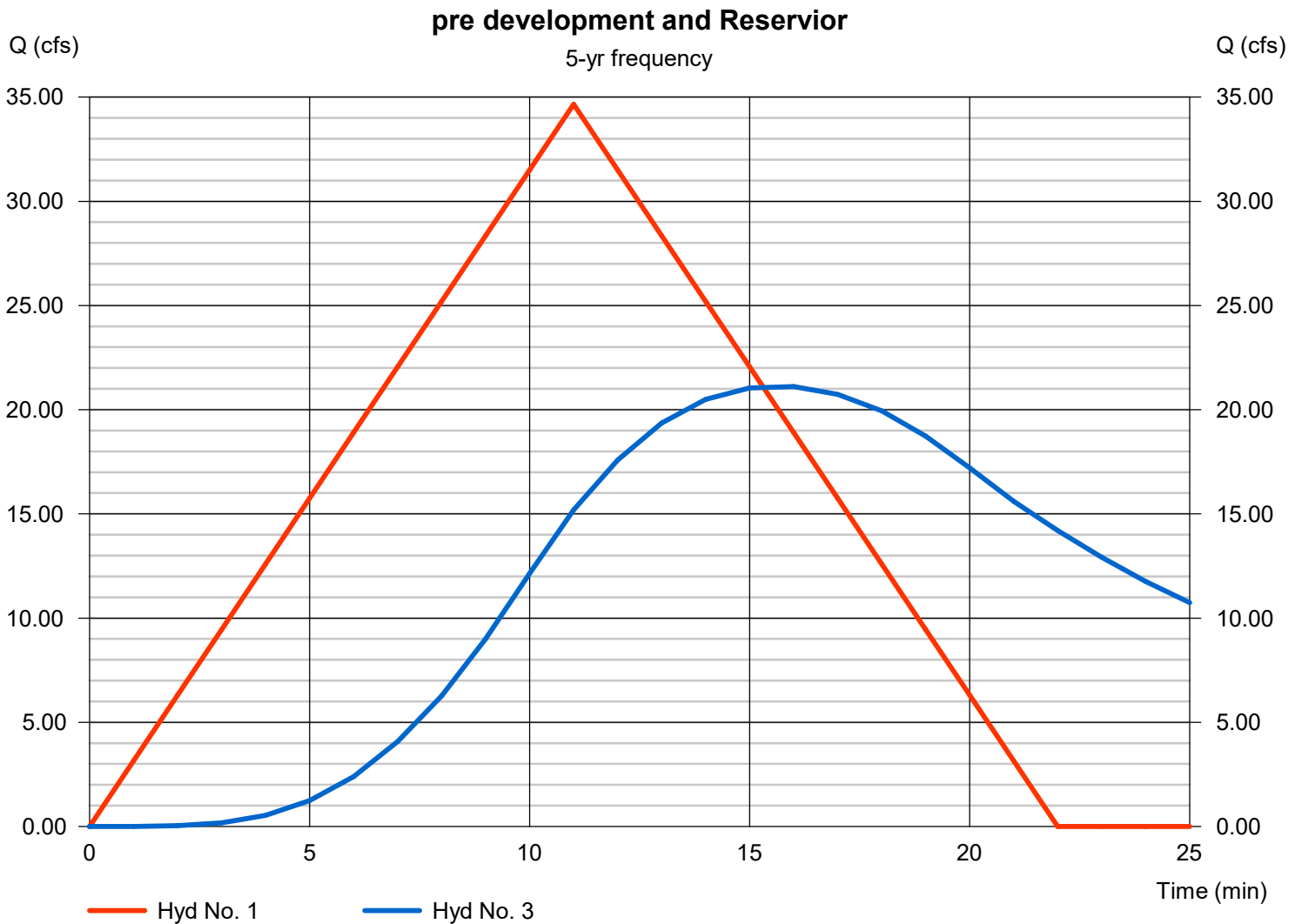
pre development

Hydrograph type = Rational  
Peak discharge = 34.66 cfs  
Time to peak = 11 min  
Hyd. Volume = 22,873 cuft

## Hyd. No. 3

Reservoir

Hydrograph type = Reservoir  
Peak discharge = 21.11 cfs  
Time to peak = 16 min  
Hyd. Volume = 29,001 cuft



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

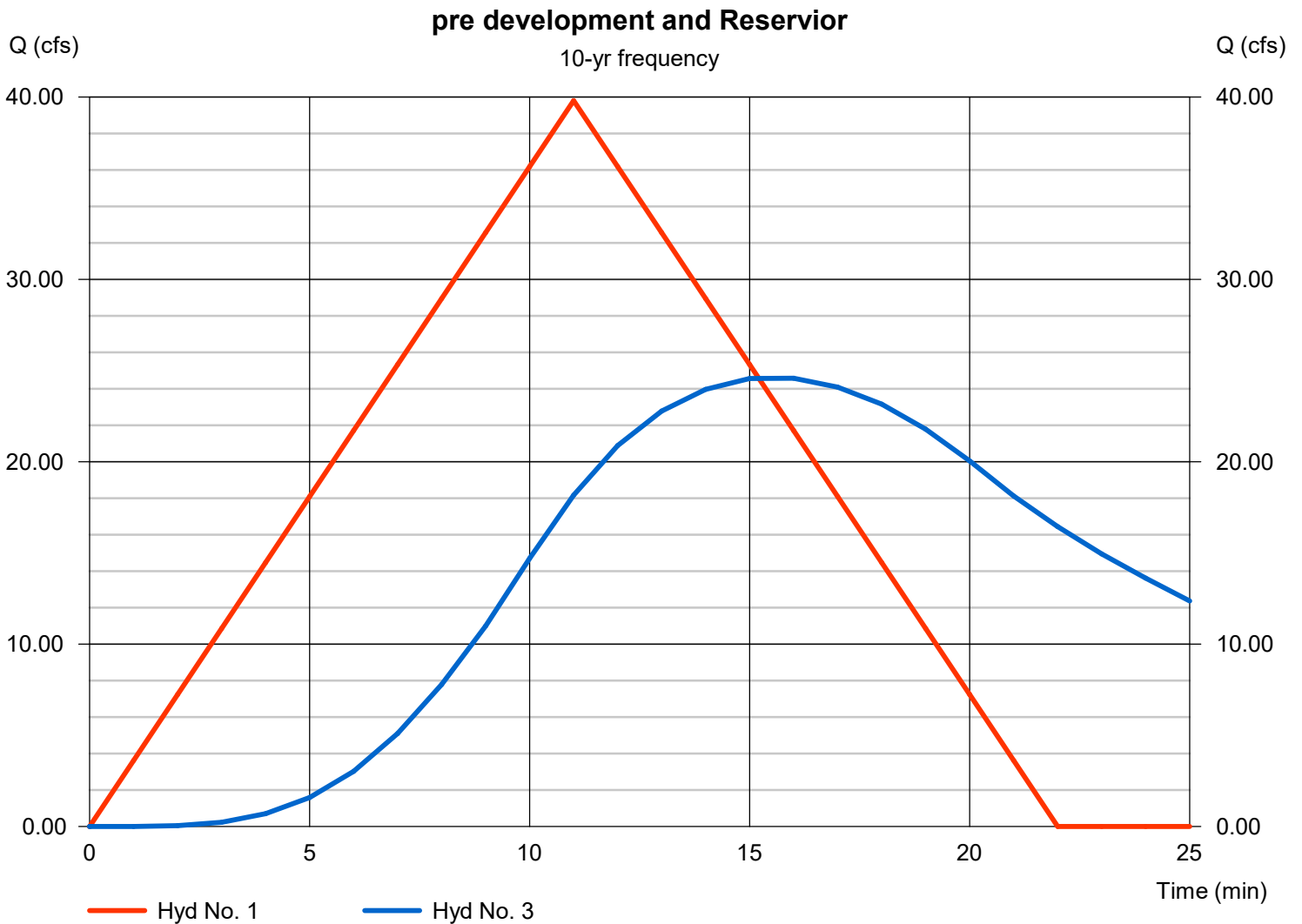
pre development

Hydrograph type = Rational  
Peak discharge = 39.81 cfs  
Time to peak = 11 min  
Hyd. Volume = 26,276 cuft

## Hyd. No. 3

Reservoir

Hydrograph type = Reservoir  
Peak discharge = 24.59 cfs  
Time to peak = 16 min  
Hyd. Volume = 33,097 cuft



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

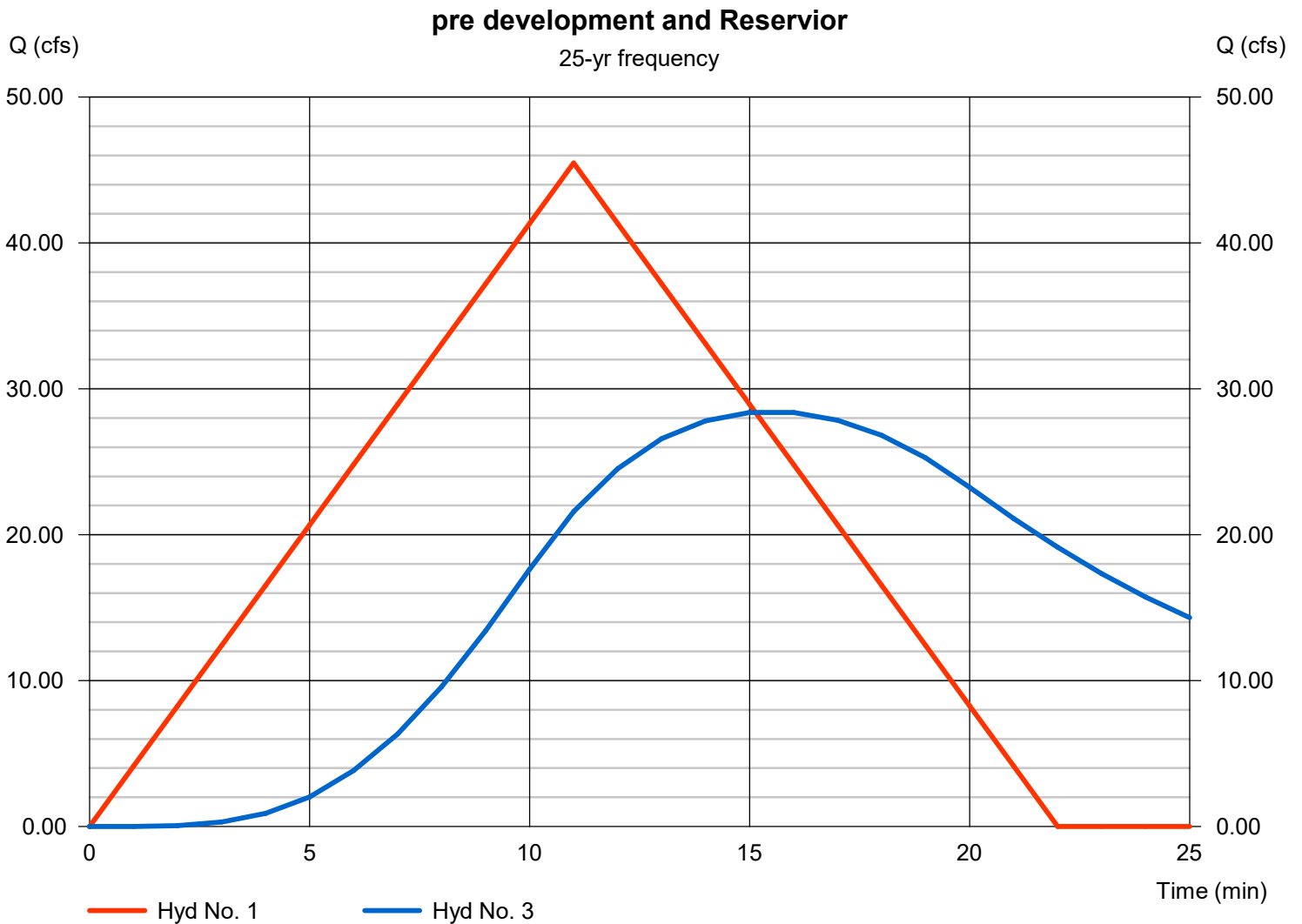
pre development

Hydrograph type = Rational  
Peak discharge = 45.47 cfs  
Time to peak = 11 min  
Hyd. Volume = 30,012 cuft

## Hyd. No. 3

Reservoir

Hydrograph type = Reservoir  
Peak discharge = 28.39 cfs  
Time to peak = 15 min  
Hyd. Volume = 37,772 cuft



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

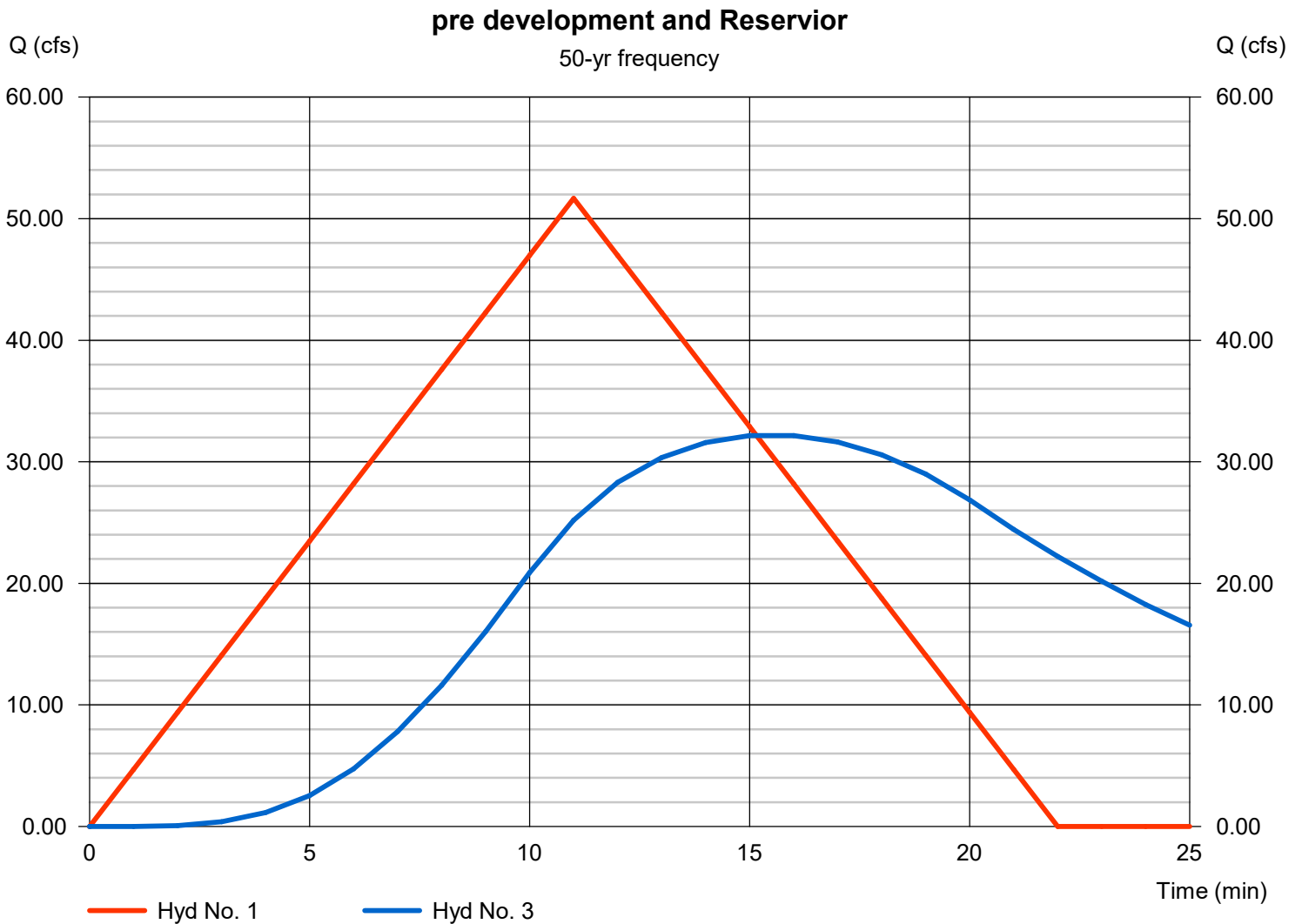
pre development

Hydrograph type = Rational  
Peak discharge = 51.67 cfs  
Time to peak = 11 min  
Hyd. Volume = 34,102 cuft

## Hyd. No. 3

Reservoir

Hydrograph type = Reservoir  
Peak discharge = 32.15 cfs  
Time to peak = 16 min  
Hyd. Volume = 42,865 cuft



# Multi-Hydrograph Plot

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

## Hyd. No. 1

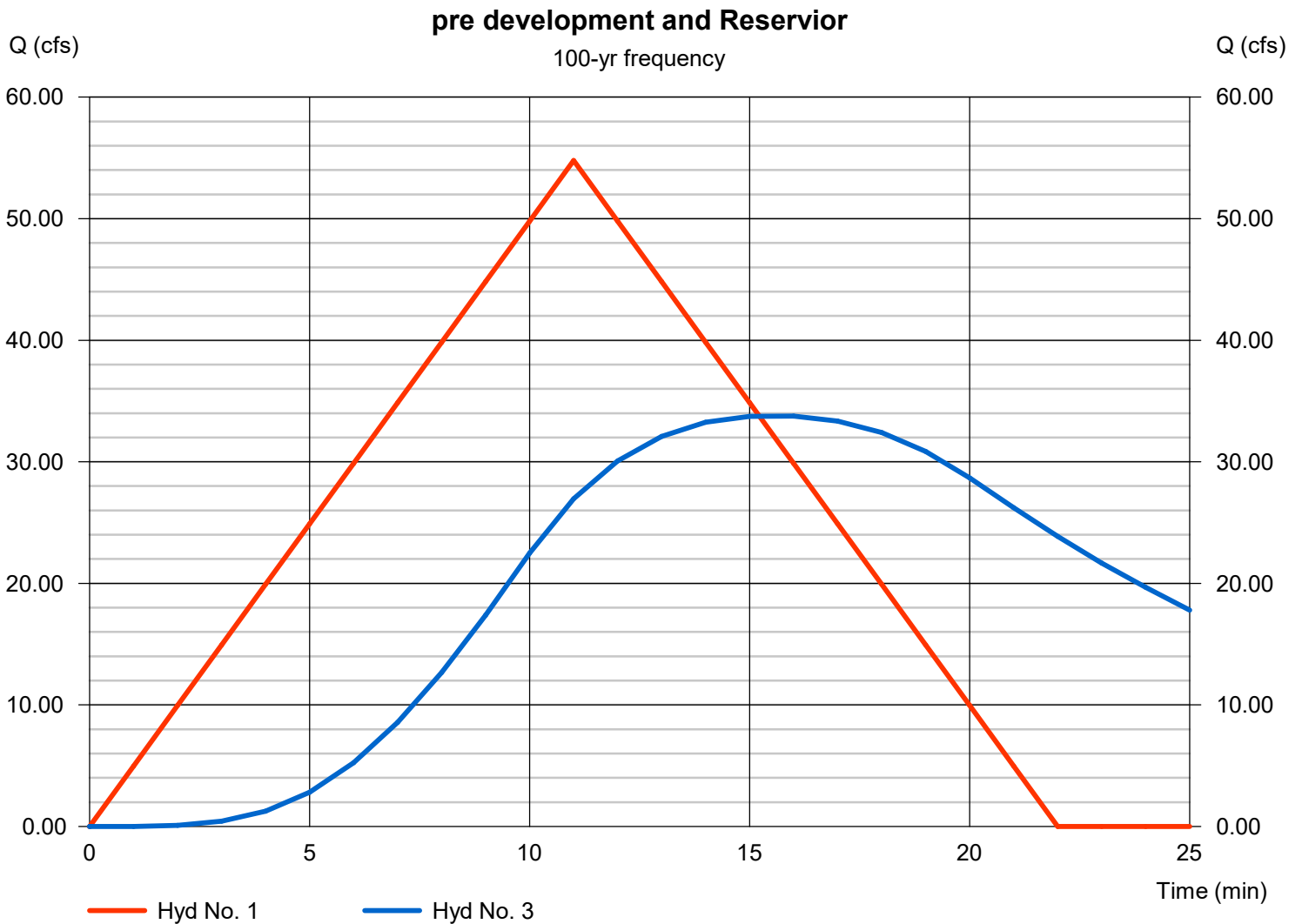
pre development

Hydrograph type = Rational  
Peak discharge = 54.77 cfs  
Time to peak = 11 min  
Hyd. Volume = 36,151 cuft

## Hyd. No. 3

Reservoir

Hydrograph type = Reservoir  
Peak discharge = 33.77 cfs  
Time to peak = 16 min  
Hyd. Volume = 45,435 cuft



# Pond Report

## Pond No. 1 - Detention Pond -4

### Pond Data

Trapezoid -Bottom L x W = 120.0 x 64.0 ft, Side slope = 3.00:1, Bottom elev. = 511.00 ft, Depth = 4.00 ft

### Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	511.00	7,680	0	0
0.40	511.40	8,127	3,161	3,161
0.80	511.80	8,586	3,342	6,503
1.20	512.20	9,057	3,528	10,032
1.60	512.60	9,539	3,719	13,750
2.00	513.00	10,032	3,914	17,664
2.40	513.40	10,537	4,113	21,777
2.80	513.80	11,053	4,318	26,095
3.20	514.20	11,581	4,527	30,622
3.60	514.60	12,121	4,740	35,362
4.00	515.00	12,672	4,958	40,320

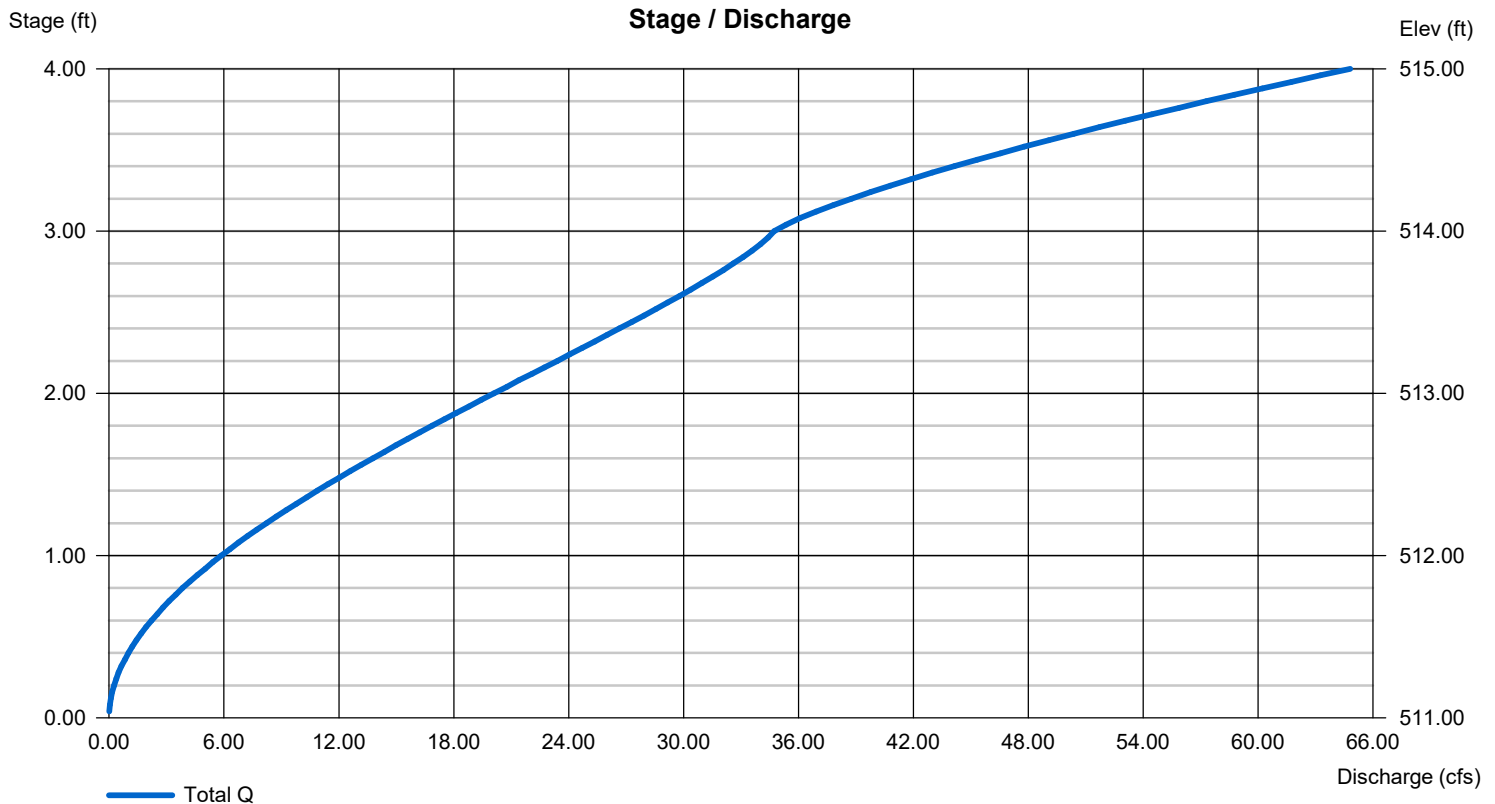
### Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 36.00	Inactive	Inactive	0.00
Span (in)	= 36.00	24.00	24.00	0.00
No. Barrels	= 1	1	1	0
Invert El. (ft)	= 511.00	511.00	513.00	0.00
Length (ft)	= 103.00	0.50	0.00	0.00
Slope (%)	= 9.34	0.01	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.50	0.60	0.60	0.60
Multi-Stage	= n/a	No	No	No

### Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	Inactive	6.00	Inactive	0.00
Crest El. (ft)	= 511.00	514.00	511.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= Rect	Rect	Rect	---
Multi-Stage	= No	No	No	No
Exfil. (in/hr)	= 0.000 (by Contour)			
TW Elev. (ft)	= 0.00			

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).





# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	31.09	1	11	20,519	-----	-----	-----	pre development	
2	Rational	43.27	1	10	25,961	-----	-----	-----	post development	
3	Reservoir	18.44	1	16	25,931	2	512.90	16,675	Reservior	
detention pond 4.gpw					Return Period: 2 Year			Wednesday, 04 / 19 / 2023		

# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	34.66	1	11	22,873	-----	-----	-----	pre development	
2	Rational	48.39	1	10	29,031	-----	-----	-----	post development	
3	Reservoir	21.11	1	16	29,001	2	513.06	18,301	Reservior	
detention pond 4.gpw					Return Period: 5 Year			Wednesday, 04 / 19 / 2023		

# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	39.81	1	11	26,276	-----	-----	-----	pre development	
2	Rational	55.21	1	10	33,127	-----	-----	-----	post development	
3	Reservoir	24.59	1	16	33,097	2	513.27	20,466	Reservior	
detention pond 4.gpw					Return Period: 10 Year			Wednesday, 04 / 19 / 2023		

# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	45.47	1	11	30,012	-----	-----	-----	pre development	
2	Rational	63.00	1	10	37,802	-----	-----	-----	post development	
3	Reservoir	28.39	1	15	37,772	2	513.51	22,950	Reservior	
detention pond 4.gpw					Return Period: 25 Year			Wednesday, 04 / 19 / 2023		

# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	51.67	1	11	34,102	-----	-----	-----	pre development	
2	Rational	71.49	1	10	42,895	-----	-----	-----	post development	
3	Reservoir	32.15	1	16	42,865	2	513.77	25,730	Reservior	
detention pond 4.gpw					Return Period: 50 Year			Wednesday, 04 / 19 / 2023		

# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description	
1	Rational	54.77	1	11	36,151	-----	-----	-----	pre development	
2	Rational	75.78	1	10	45,465	-----	-----	-----	post development	
3	Reservoir	33.77	1	16	45,435	2	513.90	27,191	Reservior	
detention pond 4.gpw					Return Period: 100 Year			Wednesday, 04 / 19 / 2023		

Stormwater Pollution Prevention Plan (SWPPP) for Construction Activity  
for Large Construction Sites

National Pollutant Discharge Elimination System (NPDES)  
General Permit # ARR150000

Prepared for:  
*NXT GEN HOMES LLC*  
***HILLTOP LANDING***  
*Proposed Subdivision*

*Hilltop Landing Subdivision*  
*Saline County*

Date:  
19 April 2023  
Prepared by:







- Arkansas River                       St. Francis River  
 White River                               Mississippi River

<sup>1</sup>Increases in total acreage require an additional acreage request, an updated SWPPP and a \$200 modification fee to be submitted to ADEQ.

<sup>2</sup>Increases in only disturbed acreage require an additional acreage request and an updated SWPPP to be submitted to ADEQ.

D. Documentation of Permit Eligibility Related to the 303(d) list and Total Maximum Daily Loads (TMDL) (<https://www.adeg.state.ar.us/water/planning/>)

- a. Does the stormwater enter a waterbody on the 303(d) list or with an approved TMDL?  Yes  No
- b. If yes:
- i. Waterbody identified on 303(d) list: \_
  - ii. Pollutant addressed on 303(d) list or TMDL: \_\_\_\_\_
  - iii. This specific project, or generally construction activity i.e. surface erosion, is identified on 303(d) list or associated assumptions and allocations identified in the TMDL for the discharge:  Yes  No
  - iv. Additional controls implemented: \_.

E. Attainment of Water Quality Standards After Authorization

- a. The permittee must select, install, implement, and maintain BMPs at the construction site that minimize pollutants in the discharge as necessary to meet applicable water quality standards. In general, except in situations explained below, the SWPPP developed, implemented, and updated to be considered as stringent as necessary to ensure that the discharges do not cause or contribute to an excursion above any applicable water quality standard.
- b. At any time after authorization, the Department may determine that the stormwater discharges may cause, have reasonable potential to cause, or contribute to an excursion above any applicable water quality standard. If such a determination is made, the Department will require the permittee to:
- i. Develop a supplemental BMP action plan describing SWPPP modifications to address adequately the identified water quality concerns and submit valid and verifiable data and information that are representative of ambient conditions and indicate that the receiving water is attaining water quality standards; or
  - ii. Cease discharges of pollutants from construction activity and submit an individual permit application.

I understand and agree to follow the above text regarding the attainment of water quality standards after authorization.  Yes  No

F. Site Map Requirements (Attach Site Map):

- a. Pre-construction topographic view;
- b. Direction of stormwater flow (i.e., use arrows to show which direction stormwater will flow) and approximate slopes anticipated after grading activities;
- c. Delineate on the site map areas of soil disturbance and areas that will not be disturbed under the coverage of this permit;
- d. Location of major structural and nonstructural controls identified in the plan;
- e. Location of main construction entrance and exit;
- f. Location where stabilization practices are expected to occur;
- g. Locations of off-site materials, waste, borrow area, or equipment storage area;
- h. Location of areas used for concrete wash-out;
- i. Location of all surface water bodies (including wetlands) with associated natural buffer boundary lines. Identify floodplain and floodway boundaries, if available;
- j. Locations where stormwater is discharged to a surface water and/or municipal separate storm sewer system if applicable,
- k. Locations where stormwater is discharged off-site (should be continuously updated);
- l. Areas where final stabilization has been accomplished and no further construction phase permit requirements apply;
- m. A legend that identifies any erosion and sediment control measure symbols/labels used in the site map and/or detail sheet; and
- n. Locations of any storm drain inlets on the site and in the immediate vicinity of the site.

G. Stormwater Controls

- a. Initial Site Stabilization, Erosion and Sediment Controls, and Best Management Practices:
  - i. Initial Site Stabilization: **existing vegetation, silt fencing on toe of slopes and along major drainage pathways. All silt fencing may not be necessary initially, but rather as construction progresses.**
  - ii. Erosion and Sediment Controls: **Rip rap check dams, additional silt fencing (as needed),**
  - iii. If periodic inspections or other information indicates a control has been used inappropriately or incorrectly, the operator will replace or modify the control for site situations: Yes No

If No, explain: \_\_\_\_\_  
\_\_\_\_\_

- iv. Off-site accumulations of sediment will be removed at a frequency sufficient to minimize off-site impacts: Yes No

If No, explain: \_\_\_\_\_  
\_\_\_\_\_

- v. Sediment will be removed from sediment traps or sedimentation ponds when design capacity has been reduced by 50%: Yes No

If No, explain: \_\_\_\_\_  
\_\_\_\_\_

- vi. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges: Yes No

If No, explain: \_\_\_\_\_  
\_\_\_\_\_

- vii. Off-site material storage areas used solely by the permitted project are being covered by this SWPPP: Yes No

If Yes, explain additional BMPs implemented at off-site material storage area: \_\_\_\_\_  
\_\_\_\_\_

b. Stabilization Practices

- i. Description and Schedule: **Final stabilization will be concrete, stone, sod, landscape. Permit will be closed when all exposed areas are 100% covered with 80% density.**

- ii. Are buffer areas required? Yes No

If Yes, are buffer areas being used? Yes No

If Yes, describe natural buffer areas:

If No, explain why not: \_\_\_\_\_  
\_\_\_\_\_

- iii. A record of the dates when grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated shall be included with the plan.

- iv. **Deadlines for stabilization: Stabilization procedures will be initiated 14 days after construction activity temporarily ceases on a portion of the site.**

Yes No

If No, explain: \_\_\_\_\_  
\_\_\_\_\_

v. Deadlines for stabilization:

1. Stabilization procedures will be initiated immediately after construction activity temporarily ceases on a portion of the site.
2. Stabilization procedures will be initiated immediately in portions of the site where construction activities have permanently ceased.

c. Structural Practices

i. Describe any structural practices to divert flows from exposed soils, store flows, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site: silt fencing, check dams

ii. Describe Velocity Dissipation Devices: rip rap check dams as needed

iii. Sediment Basins:

Are 10 or more acres draining to a common point?  Yes  No

Is a sediment basin included in the project?  Yes  No

If Yes, what is the designed capacity for the storage?

3600 cubic feet per acre = :

or

10 year, 24 hour storm =

: 70,892

Other criteria were used to design basin:

If No, explain why no sedimentation basin was included and describe required natural buffer areas and other controls implemented instead:

Each lot will have plenty of buffer space around the perimeter

H. Other Controls

a. Solid materials, including building materials, shall be prevented from being discharged to Waters of the State:  Yes  No

b. Off-site vehicle tracking of sediments and the generation of dust shall be minimized through the use of:

A stabilized construction entrance and exit

Vehicle tire washing

Other controls, describe: Street needs to be swept if needed.

c. Temporary Sanitary Facilities: Contractor to provide and maintain facilities.

d. Concrete Waste Area Provided:

Yes

No. Concrete is used on the site, but no concrete washout is provided.

Explain why: \_\_\_\_\_

N/A, no concrete will be used with this project

e. Fuel Storage Areas, Hazardous Waste Storage, and Truck Wash Areas: **No hazardous waste will be produced as a result of this project. Fuel storage areas will not be used and truck wash areas will not be needed.**

I. Non-Stormwater Discharges

a. The following allowable non-stormwater discharges comingled with stormwater are present or anticipated at the site:

Fire-fighting activities;

Fire hydrant flushings;

Water used to wash vehicles (where detergents or other chemicals are not used) or control dust in accordance with Part II.A.4.H.2;

Potable water sources including uncontaminated waterline flushings;

Landscape Irrigation;

Routine external building wash down which does not use detergents or other chemicals;

Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled materials have been removed) and where detergents or other chemicals are not used;

Uncontaminated air conditioning, compressor condensate (See Part I.B.13.C of the permit);

Uncontaminated springs, excavation dewatering and groundwater (See Part I.B.13.C of the permit);

Foundation or footing drains where flows are not contaminated with process materials such as solvents (See Part I.B.13.C of the permit);

b. Describe any controls associated with non-stormwater discharges present at the site: **There are no non storm water discharges that warrant extra controls. The activities which will be non storm water discharges will be not be regularly occurring and will be monitored.**

J. Permanent Controls for Post-Construction Stormwater Management:

Describe measures installed during the construction process to control pollutants in stormwater discharges that will occur after construction operations have been completed: **Project area will be stabilized before SWPPP is terminated. Yards will be sodded/seeded and/or landscaped.**

**Permit won't be closed until obtain 100% coverage and 80% density**

K. Applicable State or Local Programs: The SWPPP will be updated as necessary to reflect any revisions to applicable federal, state, or local requirements that affect the stormwater controls implemented at the site. Yes No

L. Inspections

a. Inspection frequency:

**Every 7 calendar days and within 24 hours of the end of a storm event 0.5 inches or greater (a rain gauge must be maintained on-site)**

b. Inspections:

Completed inspection forms will be kept with the SWPPP.

ADEQ's inspection form will be used (See Appendix B)

or

A form other than ADEQ's inspection form will be used and is attached (See inspection form requirements Part II.A.4.L.2)

c. Inspection records will be retained as part of the SWPPP for at least 3 years from the date of termination.

d. It is understood that the following sections describe waivers of site inspection requirements. All applicable documentation requirements will be followed in accordance with the referenced sections.

i. Winter Conditions (Part II.A.4.L.4)

ii. Adverse Weather Conditions (Part II.A.4.L.5)

M. Maintenance:

The following procedures to maintain vegetation, erosion and sediment control measures and other protective measures in good, effective operating condition will be followed: **As homes are completed, lots will be sodded, seeded, and/or landscaped, contractors will be responsible for keeping individual lots during home construction.** *Any necessary repairs will be completed, when practicable, before the next storm event, but not to exceed a period of 3 business days of discovery, or as otherwise directed by state or local officials.*

N. Employee Training:

The following is a description of the training plan for personnel (including contractors and subcontractors) on this project: **The operator is well trained and familiar with erosion control practices. Workers who are under the operator will be briefed and trained on erosion control practices and the SWPPP contents.**

\*\*Note, Formal training classes given by Universities or other third-party organizations are not required, but recommended for qualified trainers; the permittee is responsible for the content of the training being adequate for personnel to implement the requirements of the permit.

Certification

"I certify under penalty of law that this document and all attachments such as Inspection Form were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature of Responsible or Cognizant Official: Kazi Blum

Title: P.E.

Date: 04-15-2025

# Computation Sheet for Determining Runoff Coefficients

Appendix A

Total Site Area = \_\_\_\_\_ Acres [A]

## Existing Site Conditions

Impervious Site Area <sup>1</sup> = \_\_\_\_\_ Acres [B]

Impervious Site Area Runoff Coefficient <sup>2,4</sup> = \_\_\_\_\_ [C]

Pervious Site Area <sup>3</sup> = \_\_\_\_\_ Acres [D]

Pervious Site Area Runoff Coefficient <sup>4</sup> = \_\_\_\_\_ [E]

## Pre-Construction Runoff Coefficient

$$\frac{[B \times C] + [D \times E]}{[A]} = \text{This is your pre-construction runoff coefficient.}$$

## Proposed Site Conditions (after construction)

Impervious Site Area <sup>1</sup> = \_\_\_\_\_ Acres [F]

Impervious Site Area Runoff Coefficient <sup>2,4</sup> = \_\_\_\_\_ [G]

Pervious Site Area <sup>3</sup> = \_\_\_\_\_ Acres [H]

Pervious Site Area Runoff Coefficient <sup>4</sup> = \_\_\_\_\_ [I]

## Post-Construction Runoff Coefficient

$$\frac{[F \times G] + [H \times I]}{[A]} = \text{This is your post-construction runoff coefficient.}$$

1. Includes paved areas, areas covered by buildings, and other impervious surfaces.
2. Use 0.95 unless lower or higher runoff coefficient can be verified.
3. Includes areas of vegetation, most unpaved or uncovered soil surfaces, and other pervious areas.
4. Refer to local Hydrology Manual for typical C values.

Note: The impervious and pervious surfaces should equal the total area.



**ARR150000 Inspection Form**

Appendix B

Inspector Name: \_\_\_\_\_

Date of Inspection: \_\_\_\_\_

Inspector Title: \_\_\_\_\_

Date of Rainfall: \_\_\_\_\_

Duration of Rainfall: \_\_\_\_\_

Days Since Last Rain Event: \_\_\_\_\_ days

Rainfall Since Last Rain Event: \_\_\_\_\_ inches

Description of any Discharges During Inspection: \_\_\_\_\_

Location of Discharges of Sediment/Other Pollutant (specify pollutant & location): \_\_\_\_\_

Locations in Need of Additional BMPs: \_\_\_\_\_

**Information on Location of Construction Activities**

Location	Activity Begin Date	Activity Occuring Now (y/n)?	Activity Ceased Date	Stabilization Initiated Date	Stabilization Complete Date

**Information on BMPs in Need of Maintenance**

Location	In Working Order?	Maintenance Scheduled Date	Maintenance Completed Date	Maintenance to be Performed By

Changes required to the SWPPP: \_\_\_\_\_

Reasons for changes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SWPPP changes completed (date): \_\_\_\_\_

"I certify under penalty of law that this document and all attachments such as Inspection Form were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature of Responsible or Cognizant Official: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

# BMP Consideration Checklist

The BMPs listed here should be considered for every project. Those BMPs that are not included in the SWPPP should be checked as "Not Used" with a brief statement describing why it is not being used.

**Note: Appendix C and D do not have to be submitted with the SWPPP. These attachments are for use during the development of the SWPPP.**

EROSION CONTROL BMPs				
BMP	BMP Considered for project	BMP Used	BMP Not Used	If not used, state reason
EC-1 Scheduling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
EC-2 Preservation of Existing Vegetation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
EC-3 Hydraulic Mulch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EC-4 Hydroseeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
EC-5 Soil Binders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EC-6 Straw Mulch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EC-7 Geotextiles & Mats	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EC-8 Wood Mulching	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EC-9 Earth Dikes & Drainage Swales	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
EC-10 Velocity Dissipation Devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EC-11 Slope Drains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EC-12 Stream bank Stabilization	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
SEDIMENT CONTROL BMPs				
BMP	BMP Considered for project	BMP Used	BMP Not Used	If not used, state reason
SE-1 Silt Fence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
SE-2 Sediment Basin	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
SE-3 Sediment Trap	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
SE-4 Check Dam	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
SE-5 Fiber Rolls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SE-6 Gravel Bag Berm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SE-7 Street Sweeping and Vacuuming	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SE-8 Sand Bag Barrier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SE-9 Straw Bale Barrier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SE-10 Storm Drain Inlet Protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SE-11 Chemical Treatment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WIND EROSION CONTROL BMPs				
BMP	BMP Considered for project	BMP Used	BMP Not Used	If not used, state reason
WE-1 Wind Erosion Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

# BMP Consideration Checklist

TRACKING CONTROL BMPs				
BMP	BMP Considered for project	BMP Used	BMP Not Used	If not used, state reason
TR-1 Stabilized Construction Entrance/Exit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BMPs not used are needed
TR-2 Stabilized Construction Roadway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TR-3 Entrance/Outlet Tire Wash	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NON-STORM WATER MANAGEMENT BMPs				
BMP	BMP Considered for project	BMP Used	BMP Not Used	If not used, state reason
NS-1 Water Conservation Practices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BMPs not used are needed
NS-2 Dewatering Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS-3 Paving and Grinding Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS-4 Temporary Stream Crossing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS-5 Clear Water Diversion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS-6 Illicit Connection/ Discharge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS-7 Potable Water/Irrigation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NS-8 Vehicle and Equipment Cleaning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS-9 Vehicle and Equipment Fueling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS-10 Vehicle and Equipment Maintenance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS-11 Pile Driving Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS-12 Concrete Curing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS-13 Concrete Finishing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS-14 Material and Equipment Use Over Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS-15 Demolition Adjacent to Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS-16 Temporary Batch Plants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPs				
BMP	BMP Considered for project	BMP Used	BMP Not Used	If not used, state reason
WM-1 Material Delivery and Storage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BMPs not used are needed
WM-2 Material Use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WM-3 Stockpile Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WM-4 Spill Prevention and Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WM-5 Solid Waste Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WM-6 Hazardous Waste Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WM-7 Contaminated Soil Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WM-8 Concrete Waste Management	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WM-9 Sanitary/Septic Waste Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WM-10 Liquid Waste Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

# SWPPP Completion Checklist

Yes = Complete

No = Incomplete/Deficient

N/A = Not applicable to project

Yes	No	N/A		Permit Section Citation
			<b>A. A site description, including:</b>	
			1. Project description, intended use after NOT	Part II.A.4.A.1
			2. Sequence of major activities	Part II.A.4.A.2
			3. Total & disturbed acreage	Part II.A.4.A.3
			4. Pre- and post-construction runoff coefficient OR soil/discharge data	Part II.A.4.A.4
			<b>B. Responsible Parties: All parties dealing with the SWPPP and the areas they are responsible for on-site.</b>	Part II.A.4.B
			<b>C. Receiving Water.</b>	Part II.A.4.C
			-MS4 Name	Part II.A.4.C
			-Ultimate Receiving Water	Part II.A.4.C
			<b>D. Documentation of permit eligibility related to Impaired Water Bodies and Total Maximum Daily Loads (TMDL)</b>	
			1. Identify pollutant on 303(d) list or TMDL	Part II.A.4.D.1
			2. Is construction activity or the specific site listed as cause?	Part II.A.4.D.2
			3. Measures taken to reduce pollutants from the site.	Part II.A.4.D.3
			<b>E. Attainment of Water Quality Standards After Authorization.</b>	Part II.A.4.E
			<b>F. Site Map — See End of Evaluation Form</b>	Part II.A.4.F
			<b>G. Description of Controls:</b>	
			1. Erosion and sediment controls, including:	
			a. Initial site stabilization	Part II.A.4.G.1.a
			b. Erosion and sediment controls	Part II.A.4.G.1.b
			c. Replacement of inadequate controls	Part II.A.4.G.1.c
			d. Removal of off-site accumulations	Part II.A.4.G.1.d
			e. Maintenance of sediment traps/basins @ 50% capacity	Part II.A.4.G.1.e
			f. Litter, construction debris and chemicals properly handled	Part II.A.4.G.1.f
			g. Off-site storage areas and controls	Part II.A.4.G.1.g
			2. Stabilization practices:	
			a. Description and schedule for stabilization	Part II.A.4.G.2.a
			b. Description of buffer areas	Part II.A.4.G.2.b
			c. Records of stabilization	Part II.A.4.G.2.c
			d. Deadlines for stabilization	Part II.A.4.G.2.d
			3. Structural Practices:	
			-Describe structural practices to divert flows, store flows, or otherwise limit runoff	Part II.A.4.G.3
			a. Sediment basins	Part II.A.4.G.3.a.1
			-Are more than 10 acres draining to a common point? If so, are sediment basins included?	Part II.A.4.G.3.a.1
			-Sediment basin dimensions and capacity description and calculations	Part II.A.4.G.3.a.1
			-If a basin wasn't practicable, are other controls sufficient?	Part II.A.4.G.3.a.1
			b. Velocity dissipation devices concentrated flow from 2 or more acres	Part II.A.4.G.3.b
			<b>H. Other controls including:</b>	
			1. Solid waste control measures	Part II.A.4.H.1
			2. Vehicle off-site tracking controls	Part II.A.4.H.2
			3. Compliance with sanitary waste disposal	Part II.A.4.H.4
			4. Does the site have a concrete washout area controls?	Part II.A.4.H.5
			5. Does the site have fuel storage areas, hazardous waste storage and/or truck wash areas controls?	Part II.A.4.H.6

# SWPPP Completion Checklist

Yes No N/A

Yes	No	N/A		Permit Section Citation
			<b>I. Identification of allowable non-storm water discharges</b>	Part II.A.4.I
			-Appropriate controls for dewatering, if present	Part I.B.12.C

			<b>J. Post construction stormwater management.</b>	Part II.A.4.J
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			<b>K. State or local requirements incorporated into the plan.</b>	Part II.A.4.K
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**L. Inspections**

			1. Inspection frequency listed?	Part II.A.4.L.1
			2. Inspection form	Part II.A.4.L.2
			Ours.	
			If not ours, does it contain the following items:	
			a. Inspector name and title	Part II.A.4.L.2.a
			b. Date of inspection.	Part II.A.4.L.2.b
			c. Amount of rainfall and days since last rain event (14 day only)	Part II.A.4.L.2.c
			d. Approx beginning and duration of storm event	Part II.A.4.L.2.d
			e. Description of any discharges during inspection	Part II.A.4.L.2.e
			f. Locations of discharges of sediment/other pollutants	Part II.A.4.L.2.f
			g. BMPs in need of maintenance	Part II.A.4.L.2.g
			h. BMPs in working order, if maintenance needed (scheduled and completed)	Part II.A.4.L.2.h
			i. Locations that are in need of additional controls	Part II.A.4.L.2.i
			j. Location and dates when major construction activities begin, occur or cease	Part II.A.4.L.2.j
			k. Signature of responsible/cognizant official	Part II.A.4.L.2.k
			3. Inspection Records	Part II.A.4.L.3
			4. Winter Conditions	Part II.A.4.L.4
			5. Adverse Weather Conditions	Part II.A.4.L.5

			<b>M. Maintenance Procedures</b>	Part II.A.4.M
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			<b>N. Employee Training</b>	Part II.A.4.N
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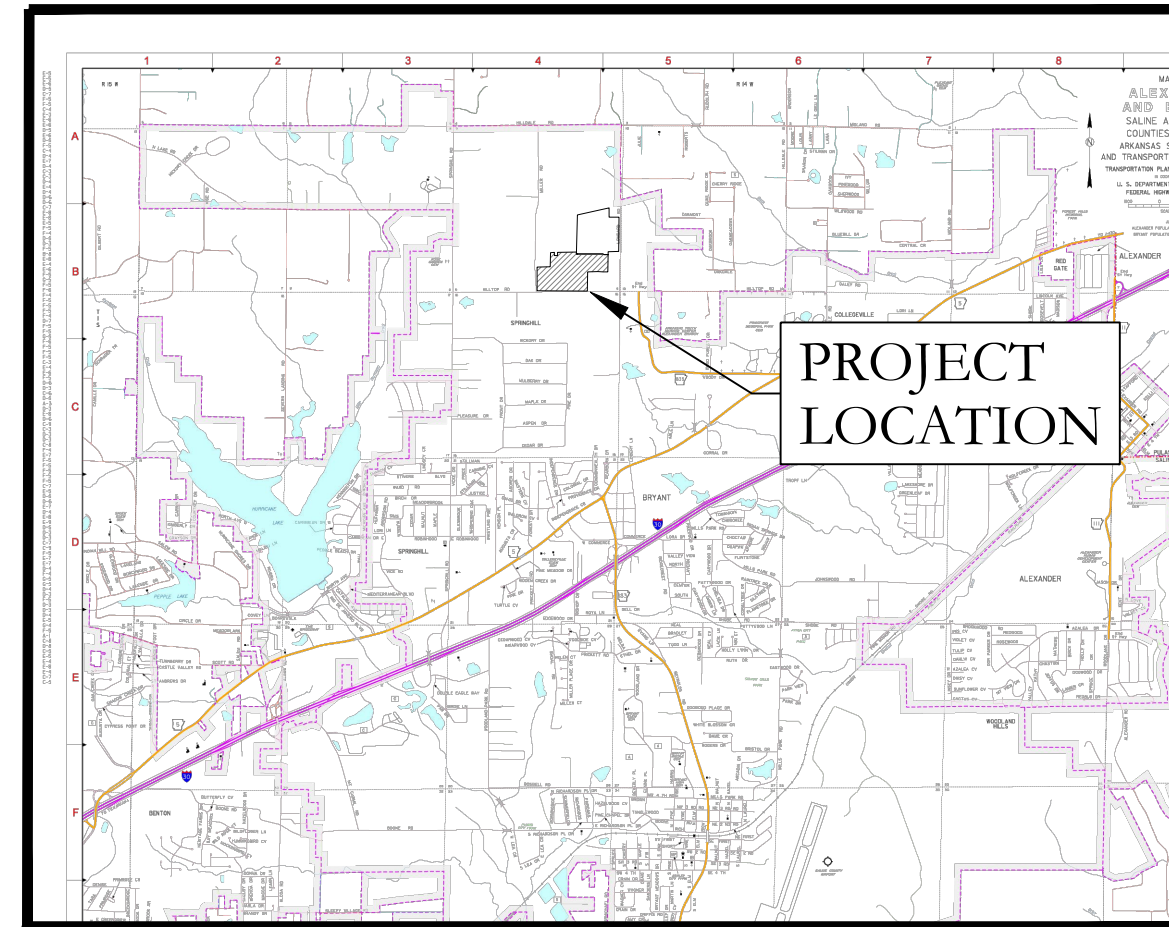
			<b>Signed Plan Certification</b>	Part II.A.5. and Part II.B.10
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**F. Site Map showing:**

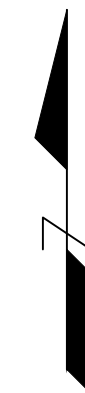
			1. Pre-construction topographic view	Part II.A.4.F.1
			2. Drainage flow	Part II.A.4.F.2
			3. Approximate slopes after grading activities	Part II.A.4.F.2
			4. Areas of soil disturbance and areas not disturbed	Part II.A.4.F.3
			5. Location of major structural and non-structural controls.	Part II.A.4.F.4
			6. Location of main construction entrance and exit.	Part II.A.4.F.5
			7. Areas where stabilization practices are expected to occur.	Part II.A.4.F.6
			8. Locations of off-site materials, waste, borrow area or storage area.	Part II.A.4.F.7
			9. Locations of areas used for concrete wash-out.	Part II.A.4.F.8
			10. Locations of surface waters on site.	Part II.A.4.F.9
			11. Locations where water is discharged to a surface water or MS4.	Part II.A.4.F.10
			12. Storm water discharge locations.	Part II.A.4.F.11
			13. Areas where final stabilization has been accomplished.	Part II.A.4.F.12
			14. Legend for symbols/labels used	Part II.A.4.F.13
			15. Location of storm drain inlets on site or in immediate vicinity	Part II.A.4.F.14

# CONSTRUCTION PLANS HILLTOP LANDING

## HILLTOP ROAD & MILLER ROAD ,BRYANT, AR



VICINITY MAP



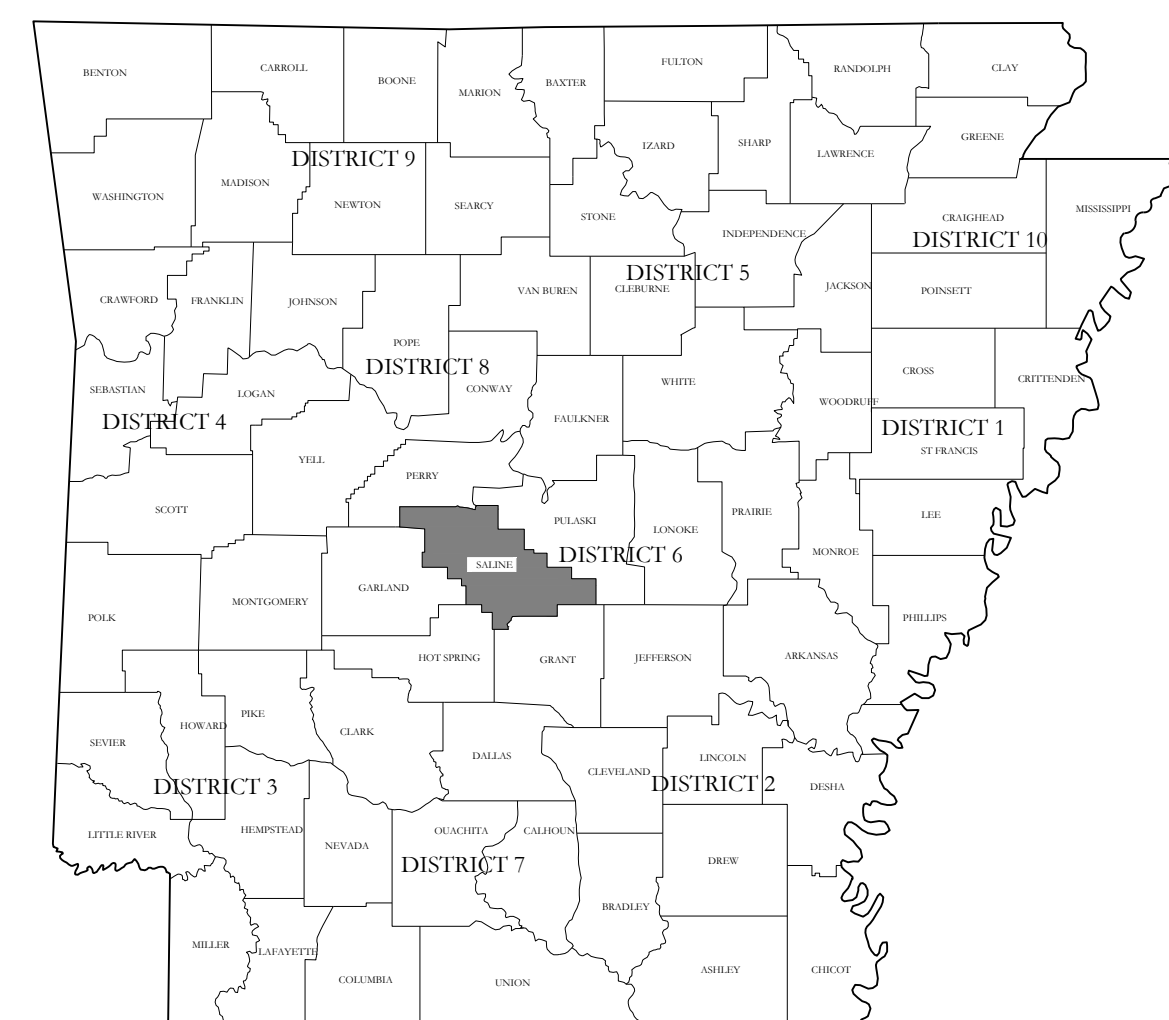
PREPARED BY:

**HOPE**  
**CONSULTING**  
ENGINEERS - SURVEYORS

129 N. Main Street,  
Benton, Arkansas 72015  
PH. (501)315-2626  
FAX (501) 315-0024  
www.hopeconsulting.com

### DRAWING INDEX

SHEET NO.	TITLE
	PLAT
C-1.0	STREET PLAN & PROFILE
C-1.1	STREET PLAN & PROFILE
C-1.2	STREET PLAN & PROFILE
C-2.0	UTILITY PLAN
C-2.1	SEWER PLAN & PROFILE
C-2.2	SEWER PLAN & PROFILE
C-2.3	SEWER PLAN & PROFILE
C-3.1	STORM PLAN & PROFILE
C-3.2	STORM PLAN & PROFILE
C-3.3	STORM PLAN & PROFILE
C-3.4	STORM PLAN & PROFILE
C-4.0	TRENCH AND SPECIAL DETAILS
C-5.0	CIVIL SPECIFICATIONS
C-6.0	DETENTION
C-6.1	DETENTION
C-7.0	EROSION CONTROL PLAN



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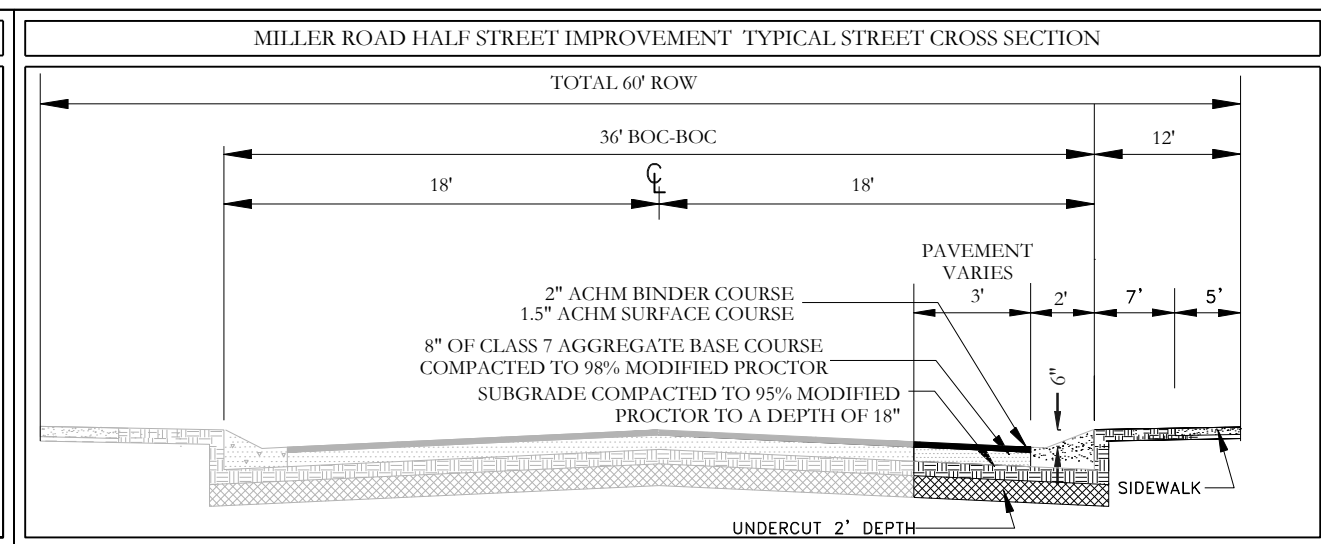
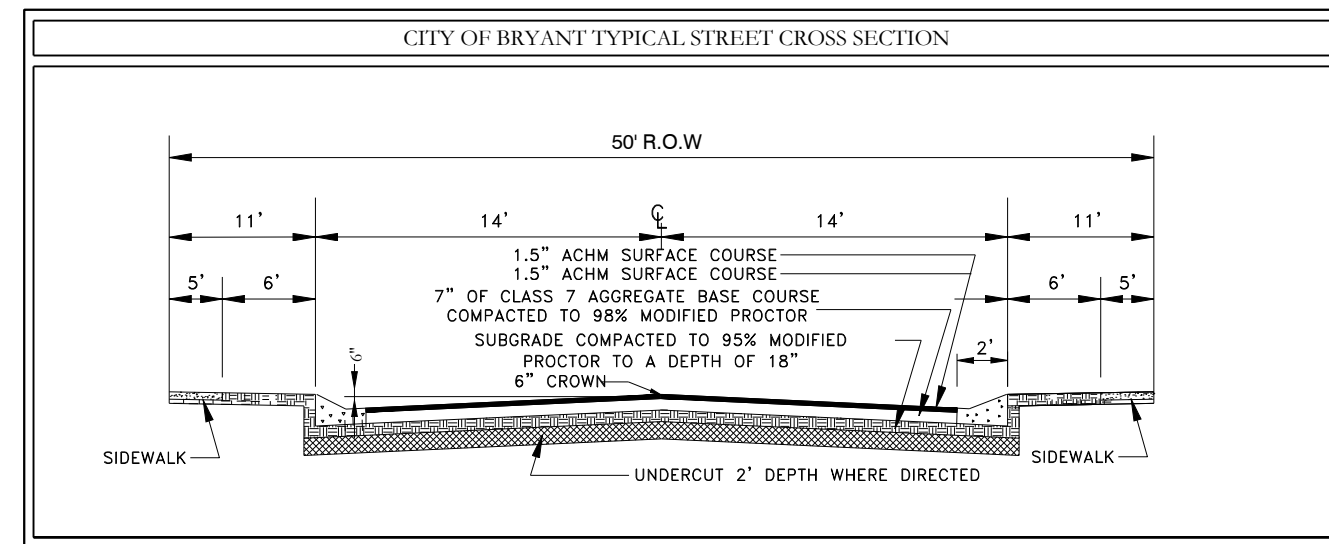
FOR USE AND BENEFIT OF:  
NXT GEN HOMES LLC.

HILLTOP LANDING  
A SUBDIVISION IN THE CITY OF BRYANT, AR  
HILLTOP ROAD & MILLER ROAD, BRYANT, AR

DATE:	02/16/2023	C.A.D. BY:		DRAWING NUMBER:	
REVISED:	06-07-2023	CHECKED BY:		20-1341	
SHEET:		SCALE:			

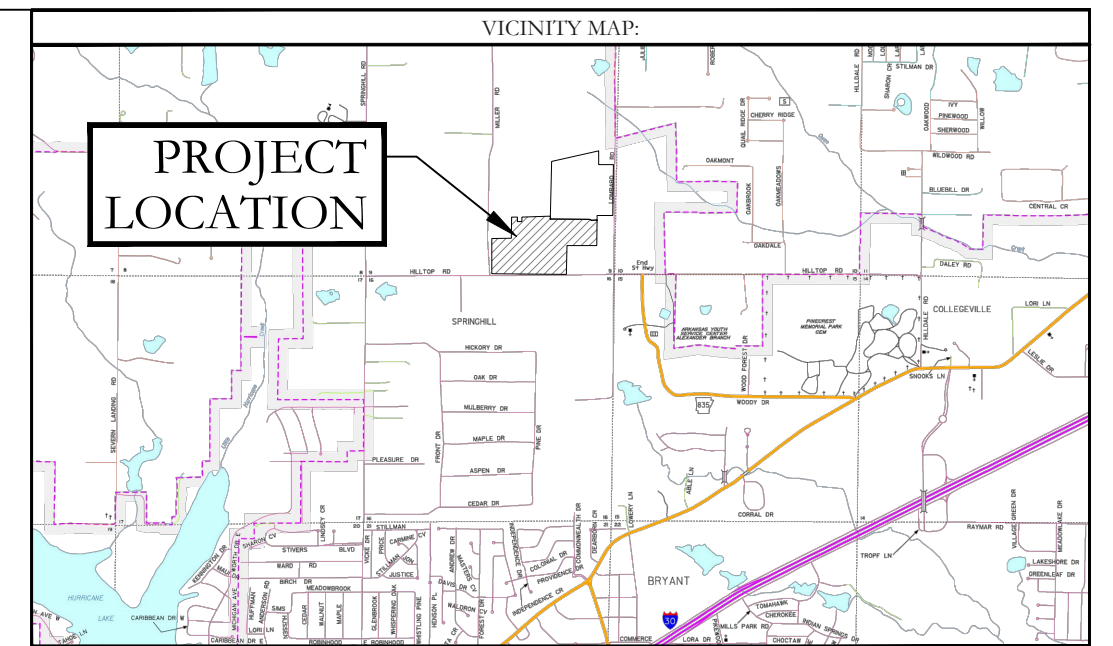
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**NOTE:**

TRACTS A, B, C, D AND E WILL BE UTILIZED FOR DRAINAGE AND UTILITIES PURPOSES AND WILL MAINTAINED BY THE PROPERTY OWNERS ASSOCIATION (POA) OR IMPROVEMENT DISTRICT.



<b>OWNER:</b>	<b>DEVELOPER:</b>
Name: <b>NXT GEN HOMES LLC</b>	Name: <b>NXT GEN HOMES LLC</b>
Address: <b>19218 SUMMERSHADE DRIVE</b>	Address: <b>19218 SUMMERSHADE DRIVE</b>
<b>BRYANT, AR 72022</b>	<b>BRYANT, AR 72022</b>

**CERTIFICATE OF OWNER:**  
We, the undersigned, owners of the real estate shown and described herein do hereby certify that we have laid off, plotted and subdivided, and do hereby lay off, plat and subdivide said real estate in accordance with the within plat.

Date of Execution \_\_\_\_\_ Name \_\_\_\_\_  
Source of Title: **2021-009870**

**CERTIFICATE OF PRELIMINARY SURVEYING ACCURACY:**  
I, Jonathan L. Hope, hereby certify that this proposed preliminary plat correctly represents a survey completed by me, or under my supervision on \_\_\_\_\_ 2023, that the boundary lines shown hereon correspond with the description in the above Source Title, and that all monuments which were found or placed on the property are correctly described and located.

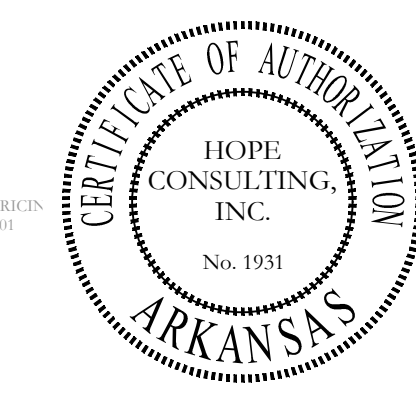
Date of Execution \_\_\_\_\_ Signed: **Jonathan L. Hope**  
Registered Professional Land Surveyor No. 1762  
Arkansas

**CERTIFICATE OF PRELIMINARY ENGINEERING ACCURACY:**  
I, Kari Tamzidul Islam, 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 location, 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 of Execution \_\_\_\_\_ Signed: **Kari Tamzidul Islam**  
Registered Professional Engineer, No. 20876  
Arkansas

**CERTIFICATE OF PRELIMINARY PLAT APPROVAL:**  
All requirements of the City of Bryant Subdivision Rules and Regulations relative to the preparation and submittal of a Preliminary Plat having been fulfilled, approval of this plat is hereby granted, subject of further provisions of said Rules and Regulations.

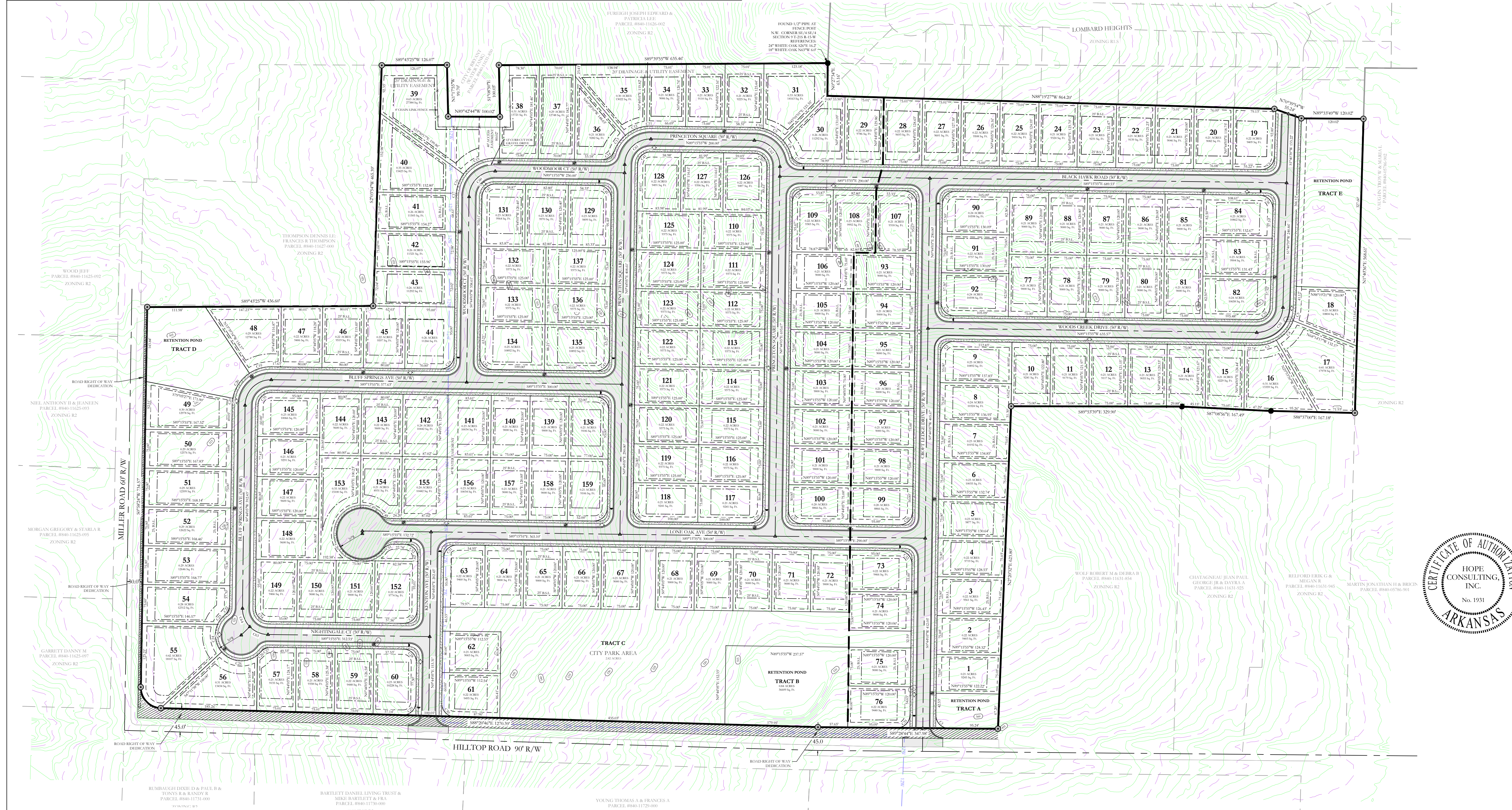
Date of Execution \_\_\_\_\_ Signed: **Rick Johnson, Chairman**  
Bryant Planning Commission



By affixing my seal and signature, I, Jonathan L. Hope, Arkansas PLS No. 1762, hereby certify that this drawing correctly depicts a survey compiled by me or under my direct supervision.

NOTE: This survey was based on legal descriptions and title work furnished by others and does not represent a title search.

No portion of the property described hereon lies within the 100 year floodplain, according to the Flood Insurance Rate Map, panel # 05125C0225E, Date: 06/05/2020



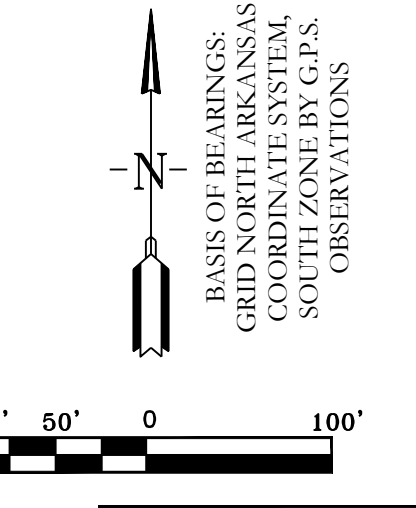
**PRELIMINARY PLAT**  
**HILLTOP MANOR SUBDIVISION**  
A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS.

Curve Table				Curve Table				Curve Table				Curve Table				Curve Table								
Curve #	Delta	Chord B & D	Arc Length	Arc Radius	Curve #	Delta	Chord B & D	Arc Length	Arc Radius	Curve #	Delta	Chord B & D	Arc Length	Arc Radius	Curve #	Delta	Chord B & D	Arc Length	Arc Radius					
C1	90°12'00"	N44°22'19"W 35.42'	39.36'	25.00'	C13	29°00'47"	N35°07'05"E 37.57'	37.98'	75.00'	C25	88°00'23"	N84°39'36"W 69.47'	76.80'	50.00'	C37	90°00'00"	N45°44'05"E 35.36'	39.27'	25.00'	C49	48°21'00"	S70°30'25"E 40.95'	42.19'	50.00'
C2	90°00'00"	N45°44'05"E 35.36'	39.27'	25.00'	C14	70°07'23"	N55°40'23"E 28.72'	30.60'	25.00'	C26	10°32'47"	S46°03'49"W 9.19'	9.20'	50.00'	C38	90°00'00"	N44°15'55"W 35.36'	39.27'	25.00'	C50	22°37'49"	N28°35'19"W 91.49'	198.63'	50.00'
C3	30°37'55"	N75°25'08"E 49.55'	50.92'	75.00'	C15	54°34'22"	N63°26'54"E 68.77'	71.44'	75.00'	C27	49°56'39"	S65°45'45"W 21.11'	21.79'	25.00'	C39	90°00'00"	N45°44'05"E 35.36'	39.27'	25.00'	C51	53°07'48"	S64°10'11"W 22.36'	23.18'	25.00'
C4	38°53'53"	N40°59'14"E 49.55'	50.92'	75.00'	C16	30°32'24"	N20°53'31"E 39.51'	39.98'	75.00'	C28	90°00'00"	N44°15'55"W 35.36'	39.27'	25.00'	C40	90°00'00"	S44°15'55"E 35.36'	39.27'	25.00'	C52	90°00'53"	N44°15'28"W 35.36'	39.28'	25.00'
C5	19°31'39"	N11°26'28"E 25.44'	25.56'	75.00'	C17	4°53'14"	N5°10'42"E 6.40'	6.40'	75.00'	C29	90°55'00"	N46°11'39"E 35.64'	39.67'	25.00'	C41	90°00'00"	S45°44'05"W 35.36'	39.27'	25.00'	C53	89°59'07"	N45°44'32"E 35.35'	39.26'	25.00'
C6	89°03'26"	N46°12'22"E 35.06'	38.86'	25.00'	C18	90°00'00"	N45°44'05"E 35.36'	39.27'	25.00'	C30	89°05'30"	S43°46'01"E 35.67'	38.87'	25.00'	C42	90°00'00"	S44°15'55"E 35.36'	39.27'	25.00'	C54	90°00'00"	S44°15'55"E 35.36'	39.27'	25.00'
C7	71°54'20"	S53°18'45"E 29.36'	31.37'	25.00'	C19	34°23'40"	N73°32'15"E 44.35'	45.02'	75.00'	C31	89°59'21"	S45°44'24"W 35.35'	39.27'	25.00'	C43	90°00'00"	S45°44'05"W 35.36'	39.27'	25.00'	C55	90°00'00"	S45°44'05"W 35.36'	39.27'	25.00'
C8	24°25'17"	S29°34'13"E 31.73'	31.97'	75.00'	C20	45°25'53"	N33°37'29"E 57.92'	59.47'	75.00'	C32	90°00'00"	N44°15'55"W 35.36'	39.27'	25.00'	C44	90°00'00"	S44°15'55"W 35.36'	39.27'	25.00'	C56	89°03'26"	N46°12'22"E 70.13'	77.72'	50.00'
C9	34°37'45"	S59°05'44"E 44.64'	45.33'	75.00'	C21	10°10'28"	N5°49'19"E 13.30'	13.32'	75.00'	C33	89°47'11"	N45°37'41"E 35.29'	39.18'	25.00'	C45	90°00'00"	N45°44'05"E 35.36'	39.27'	25.00'	C57	90°00'00"	N45°44'05"E 35.36'	39.27'	25.00'
C10	12°51'19"	S82°50'16"E 16.79'	16.83'	75.00'	C22	49°56'39"	N23°42'25"E 21.11'	21.79'	25.00'	C34	90°00'00"	N44°15'55"W 35.36'	39.27'	25.00'	C46	90°00'00"	N44°15'55"W 35.36'	39.27'	25.00'	C58	90°00'00"	S44°15'55"E 35.36'	39.27'	25.00'
C11	6°21'51"	N87°33'10"E 8.35'	8.35'	75.00'	C23	26°13'50"	N37°34'49"E 22.69'	22.89'	50.00'	C35	89°03'26"	S46°12'22"W 35.06'	38.86'	25.00'	C47	90°00'00"	N45°44'05"E 35.36'	39.27'	25.00'	C59	90°00'00"	S45°44'05"W 35.36'	39.27'	25.00'
C12	34°44'46"	N66°59'51"E 44.79'	45.48'	75.00'	C24	65°06'18"	N8°06'15"W 53.81'	56.81'	50.00'	C36	90°56'34"	S43°47'38"E 35.65'	39.68'	25.00'	C48	42°50'00"	S67°50'55"E 18.26'	18.69'	25.00'	C60	90°00'00"	S45°44'05"W 70.71'	78.54'	50.00'

SEBAC RADIOLOGY, P.A. DESIGNED

**LEGAL DESCRIPTION:**  
ALL OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER AND PART OF THE FRACTIONAL NORTHEAST QUARTER OF THE NORTHEAST QUARTER AND ALL THAT PART OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 4, TOWNSHIP 5 SOUTH, RANGE 20 WEST OF THE FIFTH PRINCIPAL MERIDIAN, GARLAND COUNTY, ARKANSAS DESCRIBED AS FOLLOWS:

**BEGINNING** AT A FOUND 1/2" CAPPED REBAR AR 15# 1024 FOUND AT THE SW CORNER OF THE SW 1/4, NE 1/4; **THENCE**, N 89°38'29" E ALONG THE EAST SOUTHLINE THEREOF A DISTANCE OF 128.05 FEET TO A FOUND 60-D NAIL AT A FENCE CORNER AND BEING THE SE CORNER OF THE SW 1/4 NE 1/4; **THENCE**, N 89°59'56" E ALONG THE SOUTHLINE THEREOF A DISTANCE OF 1368.52 FEET TO A FOUND BRIDGE SPIKE BEING THE SE CORNER SE 1/4 NE 1/4; **THENCE**, N 0°17'00" E A DISTANCE OF 1320.16 FEET TO A 1" PIPE FOUND AT THE NE CORNER OF THE SE 1/4 NE 1/4; **THENCE**, N 02°44'51" E ALONG THE EAST LINE THEREOF A DISTANCE OF 816.61 FEET TO A 1/2" ALUMINUM CAPPED REBAR AT THE INTERSECTION OF SAID EAST LINE AND THE SOUTHWEST CORNER OF THE SW 1/4 NE 1/4; **THENCE**, N 65°38'55" W A DISTANCE OF 201.14 FEET; **THENCE**, N 45°54'45" W A DISTANCE OF 400.00 FEET; **THENCE**, N 64°42'59" W A DISTANCE OF 187.67 FEET; **THENCE**, N 73°41'47" W A DISTANCE OF 187.61 FEET; **THENCE**, S 89°54'45" W A DISTANCE OF 129.12 FEET TO A 1/2" CAPPED REBAR AR 15# 1044 FOUND ON THE WEST LINE OF THE FRACTIONAL NE 1/4 NE 1/4; **THENCE**, S 01°17'39" W A DISTANCE OF 128.53 FEET TO A 1" PIPE FOUND AT THE NE CORNER OF THE SW 1/4 NE 1/4 AS SHOWN ON SURVEY BY LEWIS & CLARK SURVEYING DATED 11/03/20, SAID POINT BEING 64.78 FEET NORTH OF A FOUND ALUMINUM CAPPED REBAR MARKING THE TECHNICAL NE CORNER AS SHOWN ON SURVEY BY DON MICHAEL BRADY 4/13/2002. **THENCE**, S 88°31'10" W A DISTANCE OF 1322.70 FEET TO A FOUND 2" PIPE AS SHOWN ON THE DON M. BRADY SURVEY DATED 4/13/02; **THENCE**, S 07°04'59" W ALONG A FENCE LINE A DISTANCE OF 27.99 FEET TO A 1/2" CAPPED REBAR AR 15# 1044; **THENCE**, S 68°13'48" W ALONG A FENCE LINE A DISTANCE OF 34.98 FEET TO A 1/2" ALUMINUM CAPPED REBAR FOUND ON THE WEST LINE OF THE SW 1/4 NE 1/4; **THENCE**, S 03°33'48" W ALONG THE WEST LINE THEREOF A DISTANCE OF 1298.25 FEET TO THE POINT OF BEGINNING AND CONTAINING 113.35 ACRES (60,608.115 SQ FT) MORE OR LESS;



**LEGEND**

- Aliquot Corner
- Found monument
- Set 2" Rebar
- Computed point
- (M) Measured
- ⊙ Street Lighting
- (P) Plat/Deed
- Fence

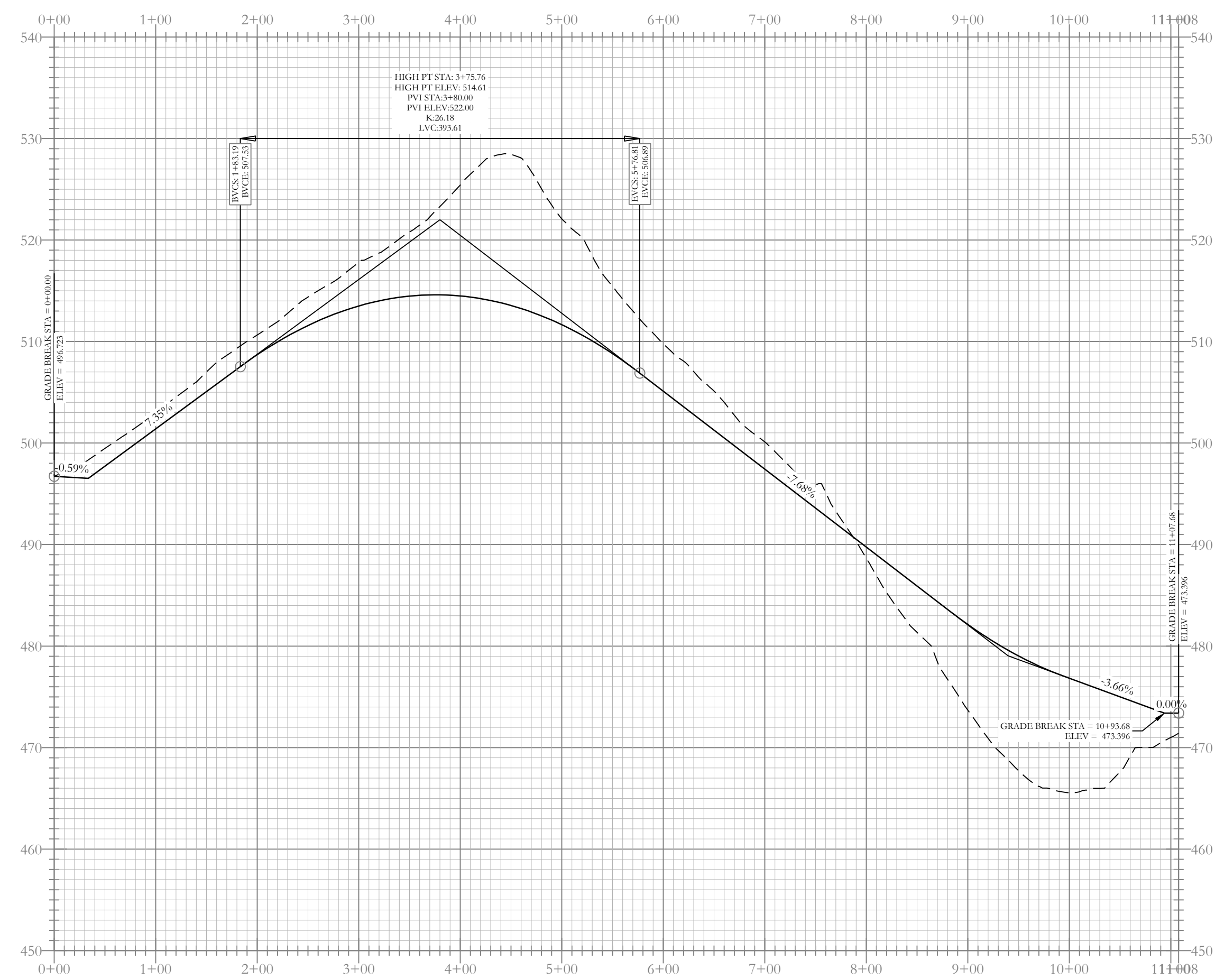
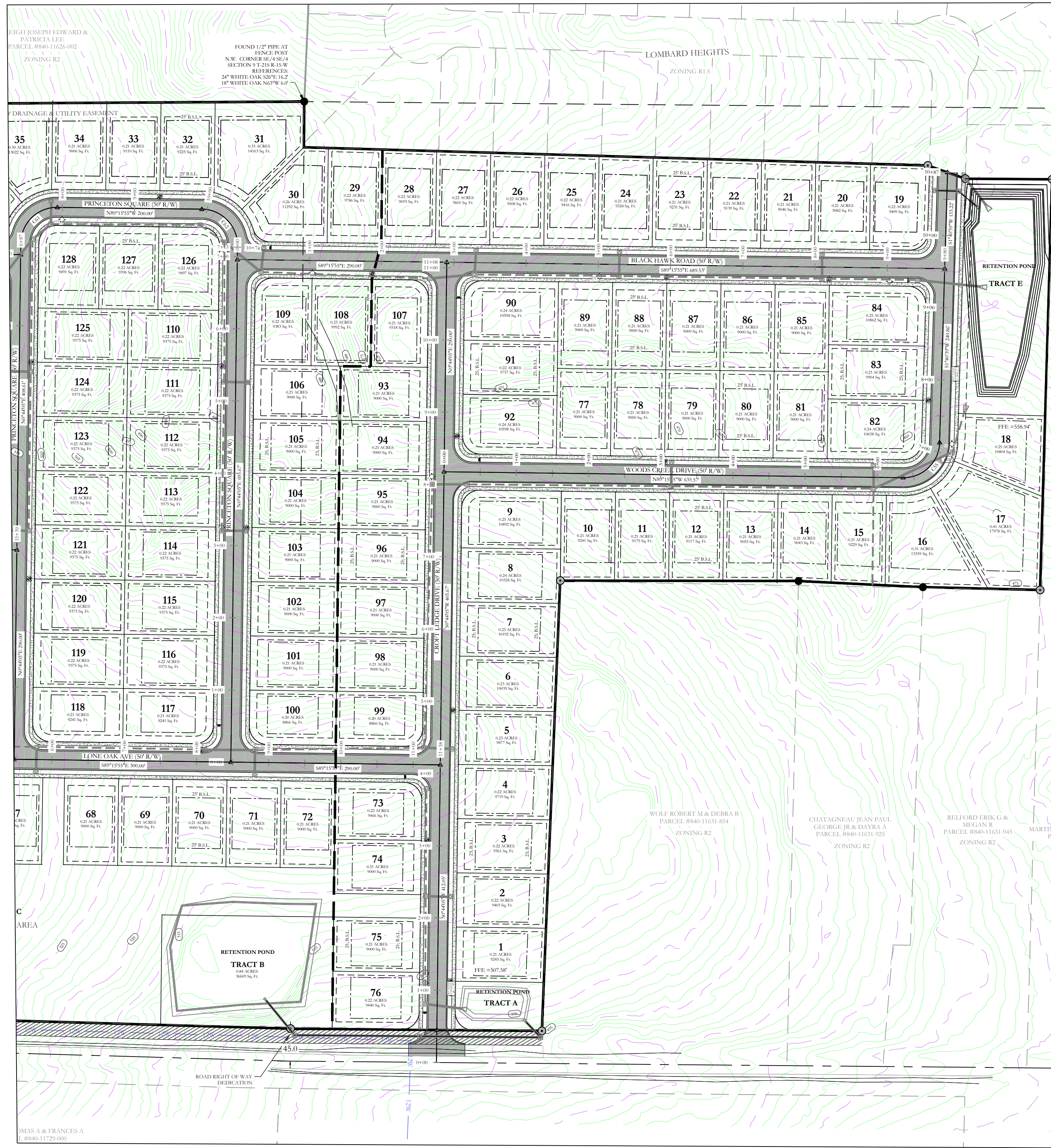
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PH. (501) 315-2626  
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FOR USE AND BENEFIT OF:  
**NXT GEN HOMES LLC**

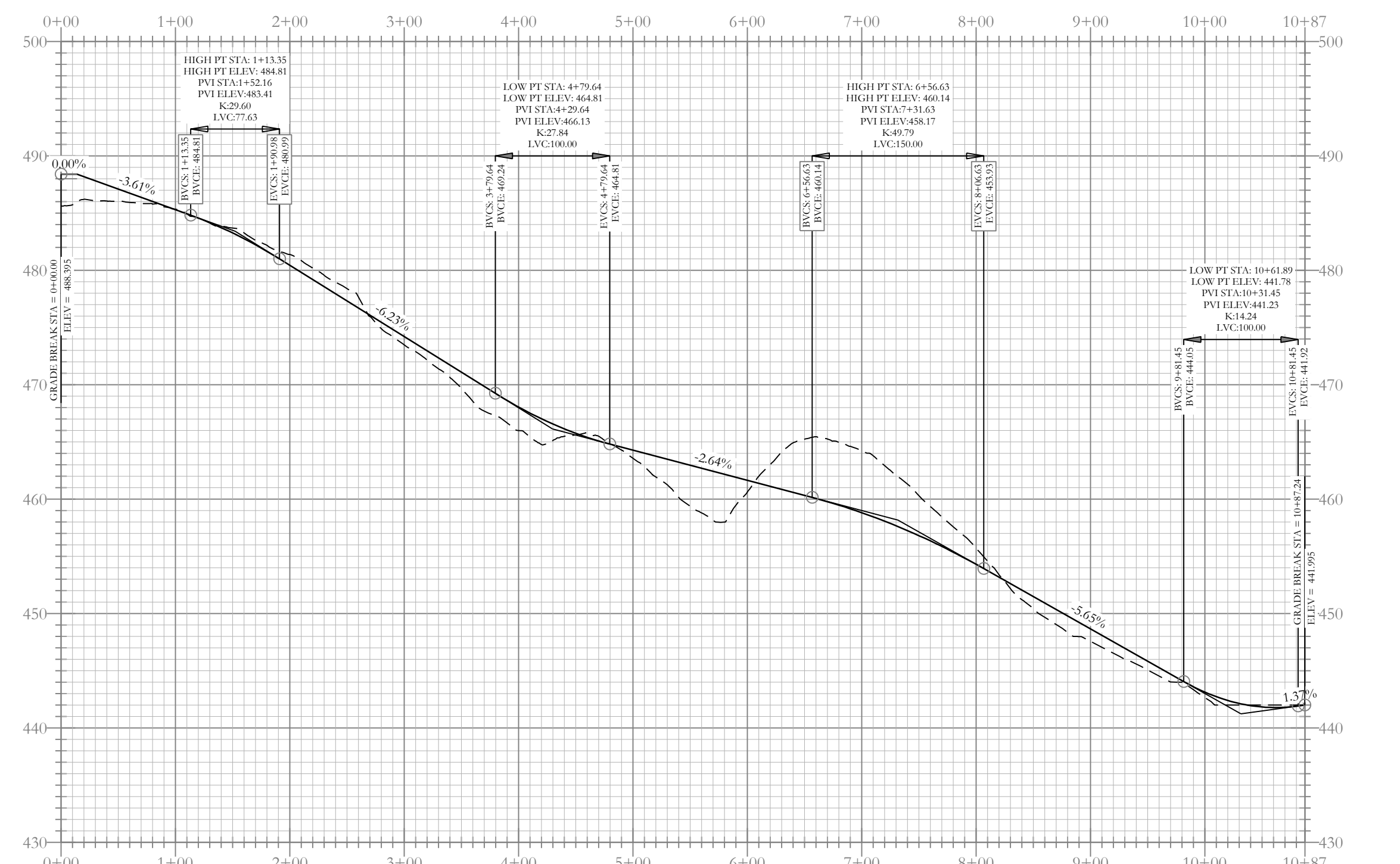
**PRELIMINARY PLAT**  
**HILLTOP MANOR SUBDIVISION**  
A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS.

DATE: 06/06/2023	C.A.D. BY: BJOHNSON	DRAWING NUMBER:
REVISED:	CHECKED BY:	20-1341
SHEET:	SCALE: 1"=100'	
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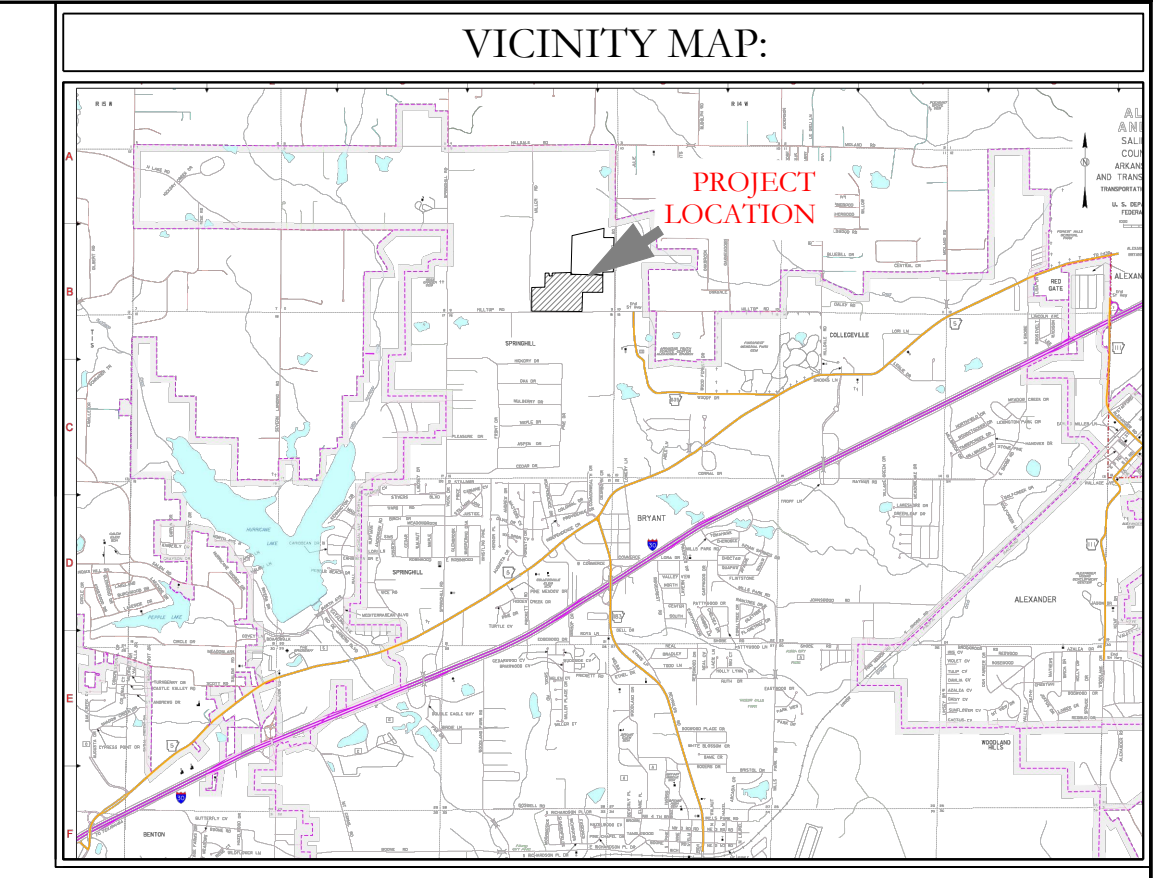




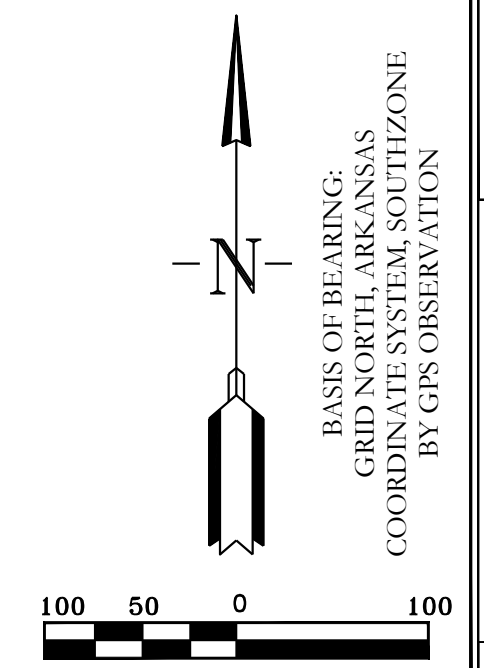
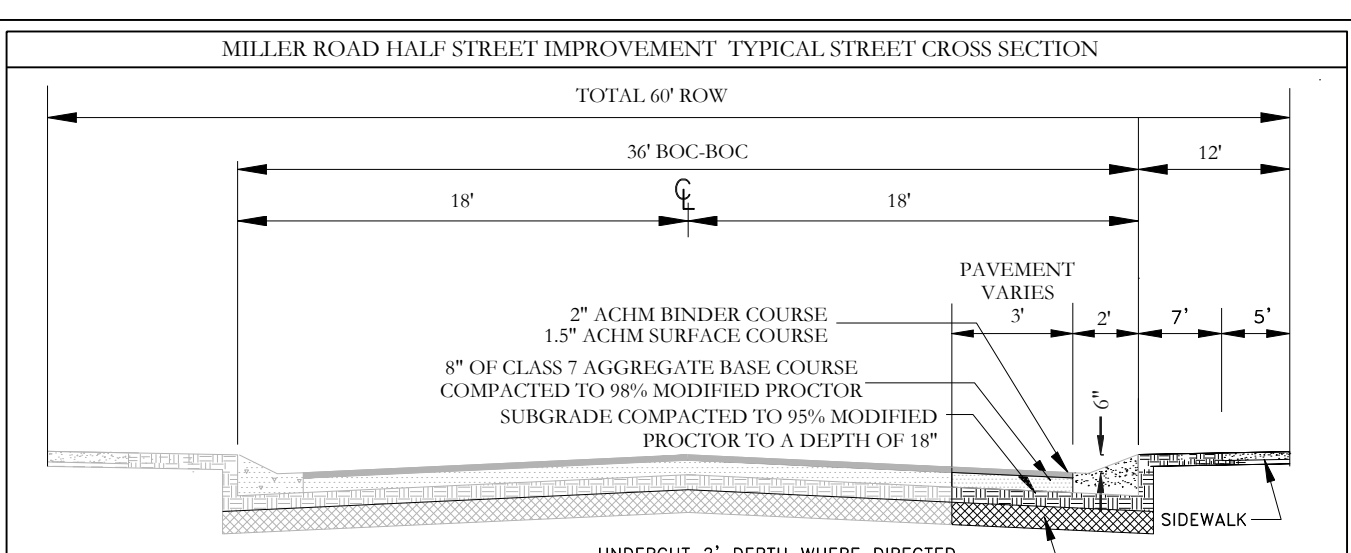
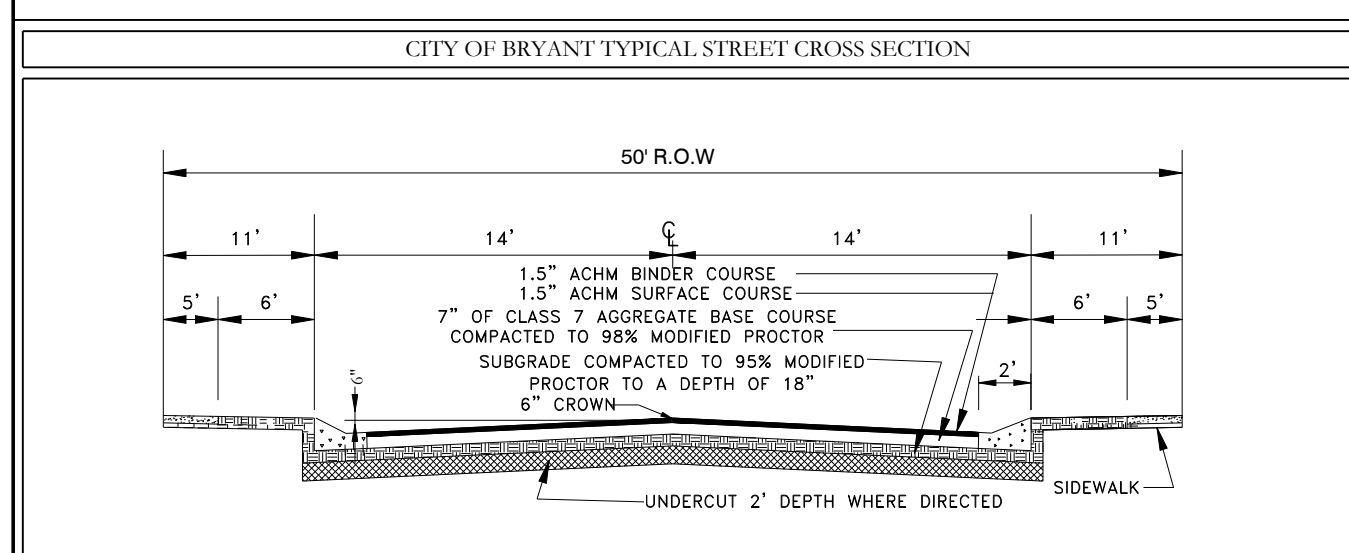
Croft Ledge Drive Profile



Wood Creek Drive Profile



--- HDPE  
 --- RCP



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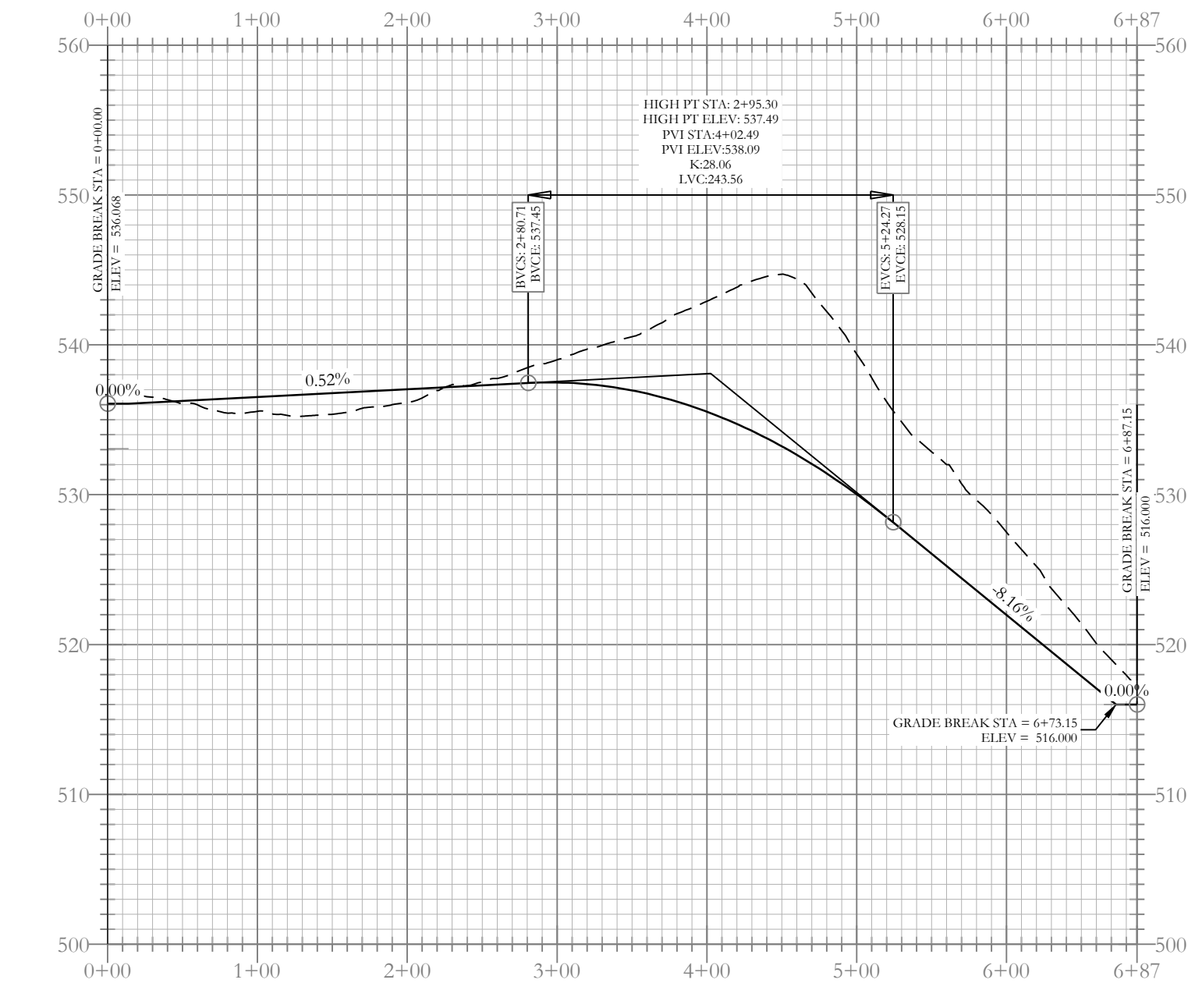
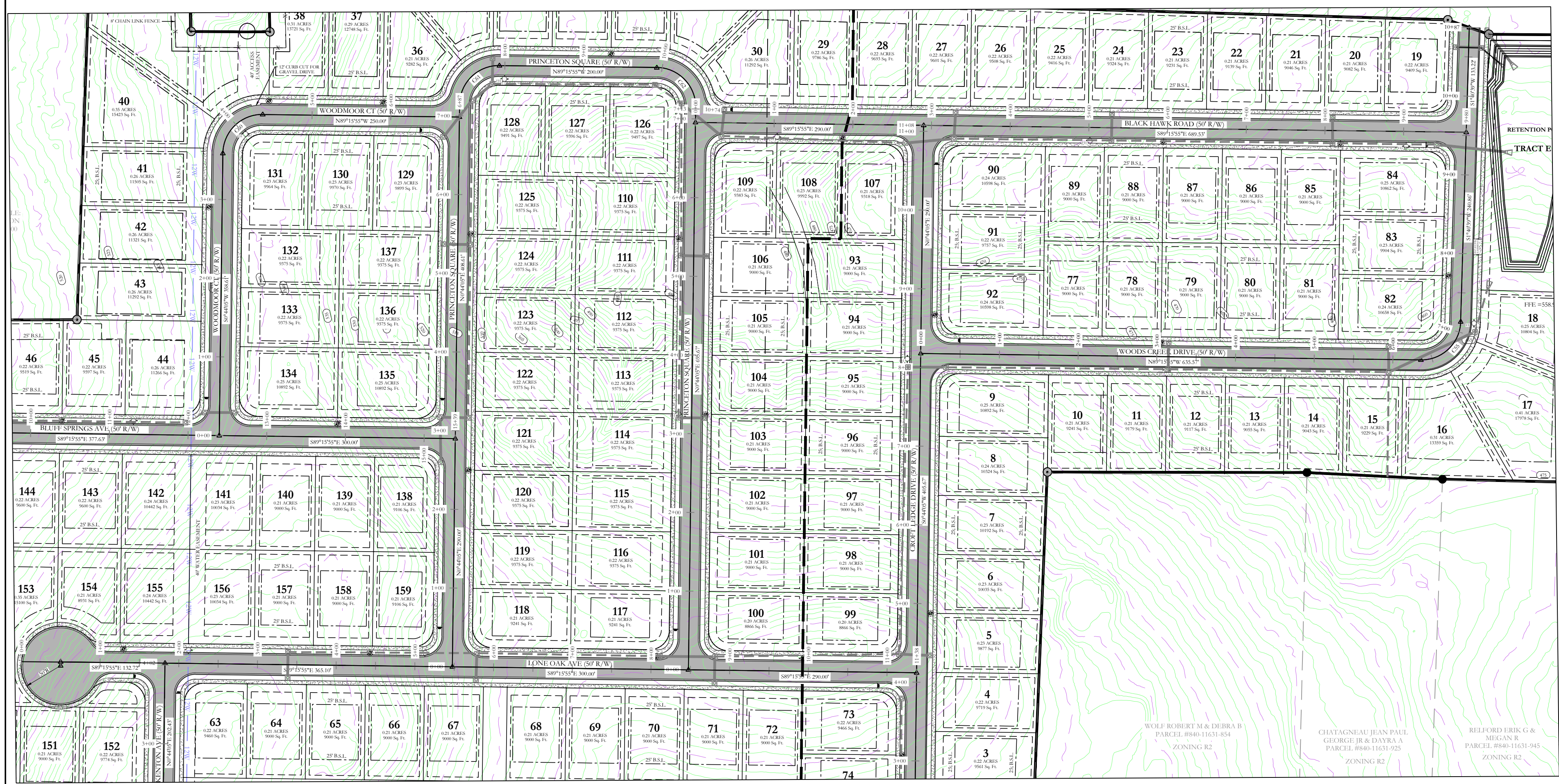
**HILLTOP LANDING STREET PLAN & PROFILE**  
 A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS

DATE: 03/08/2023	C.A.D. BY:	DRAWING NUMBER:
REVISID: 06/07/2023	CHECKED BY:	20-1341
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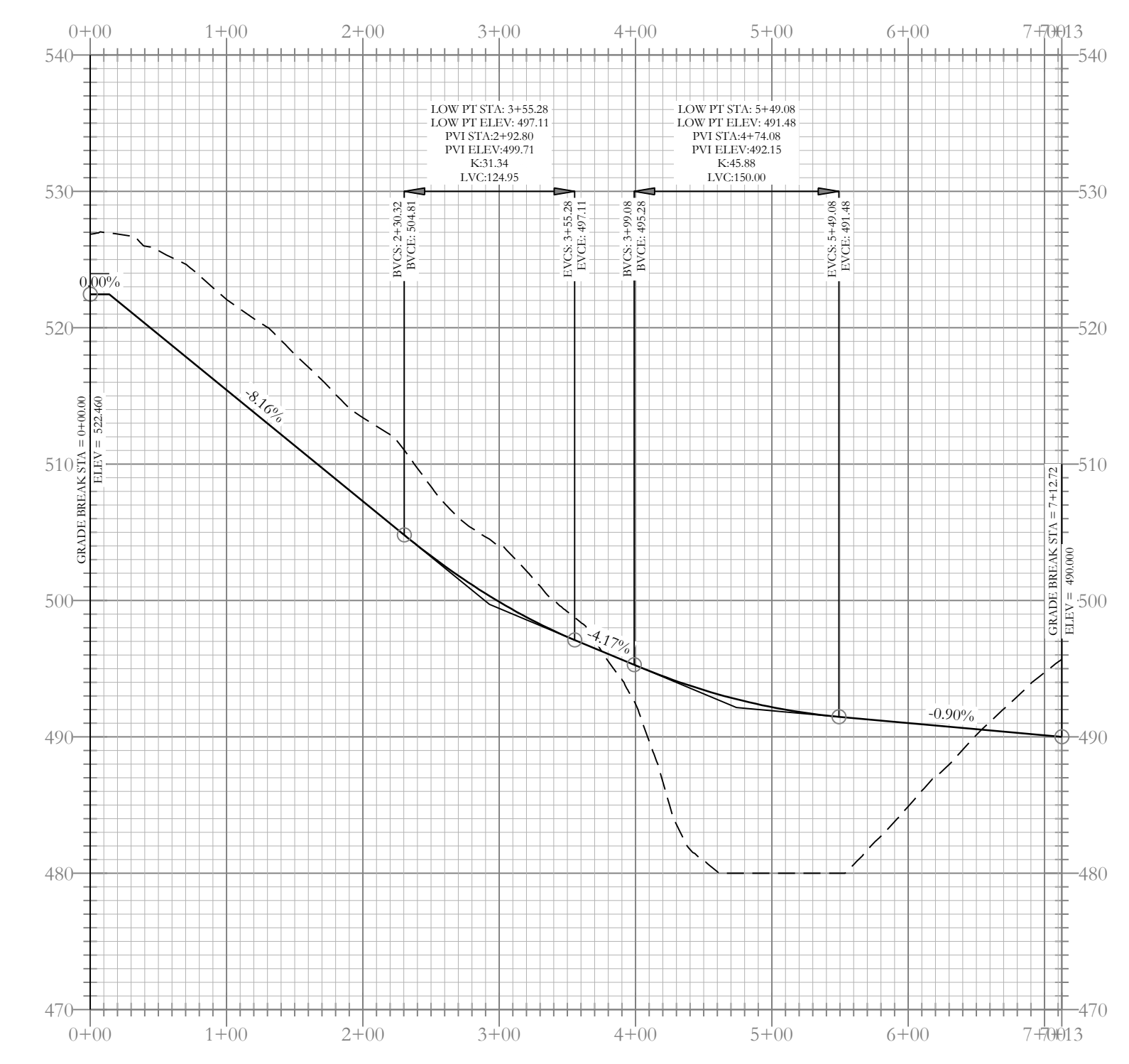
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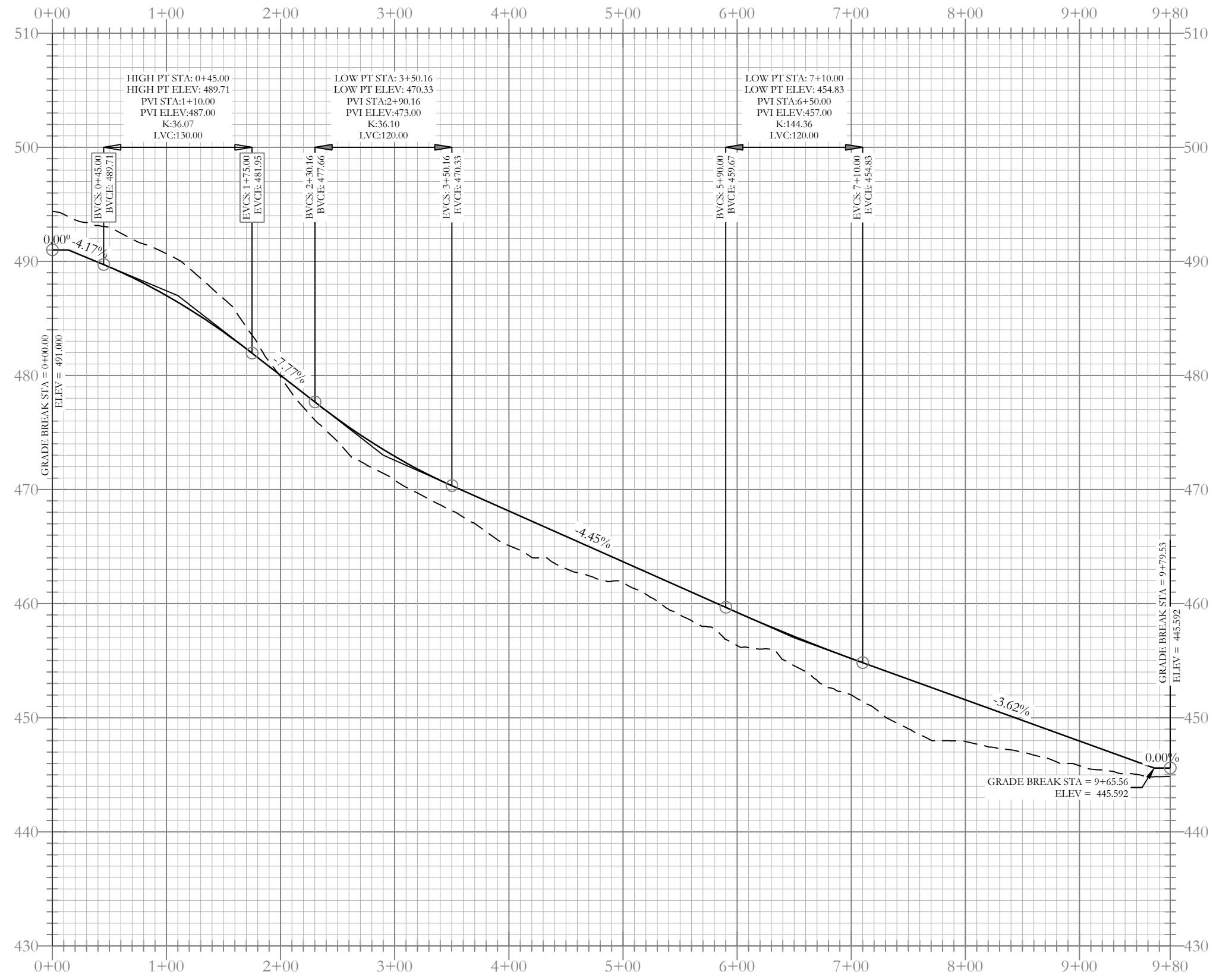




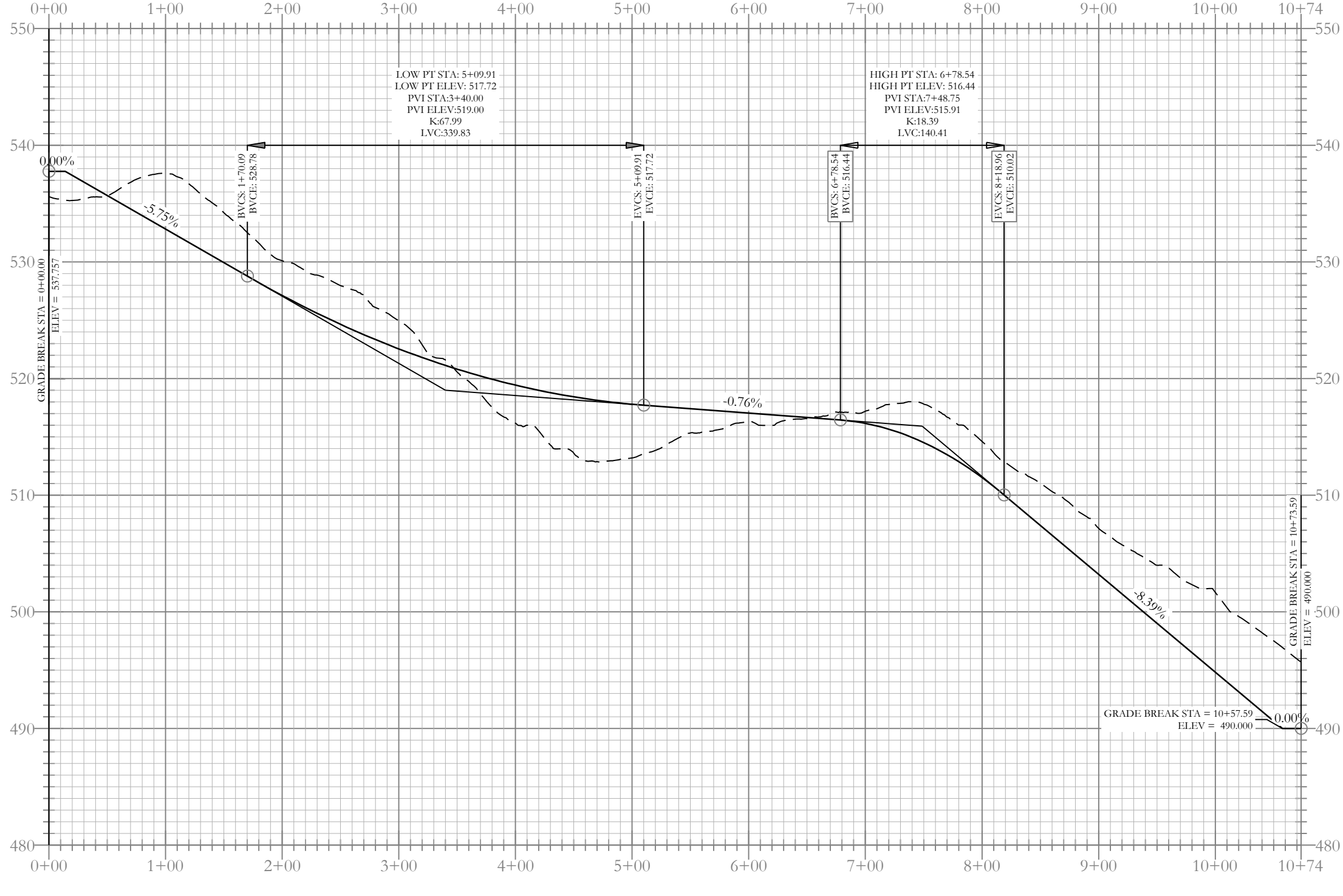
Woodmoor Ct Profile



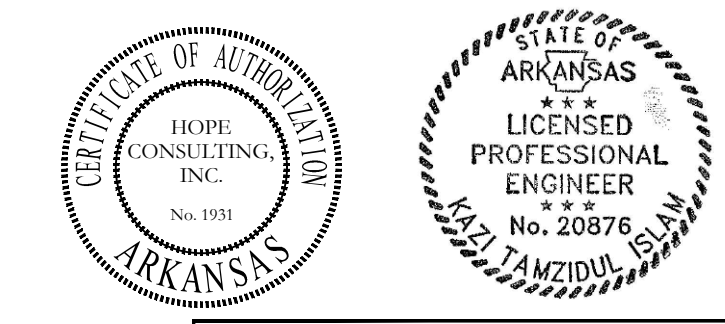
Princeton Square Profile



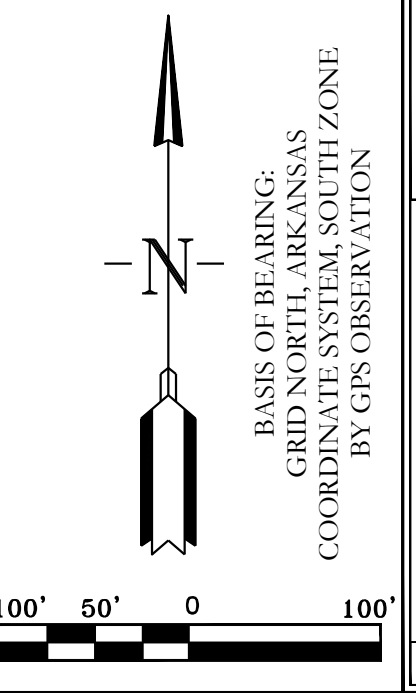
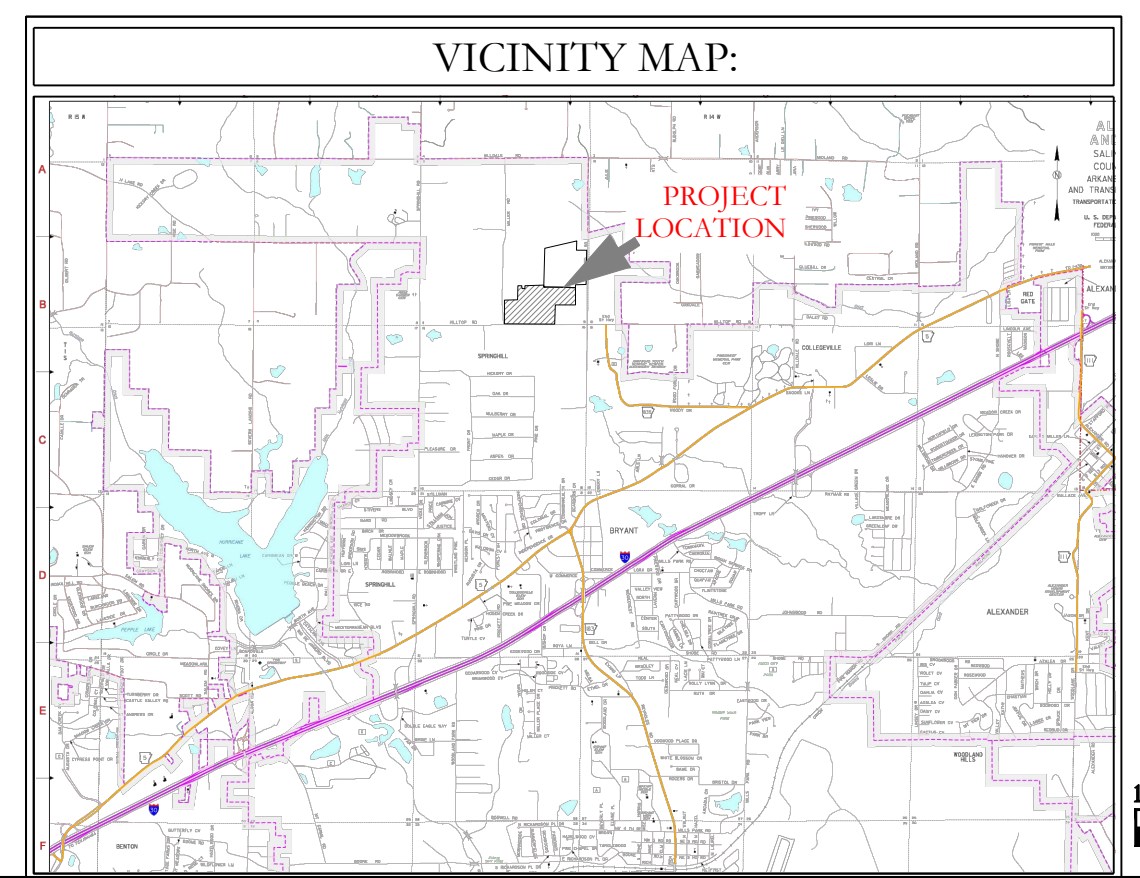
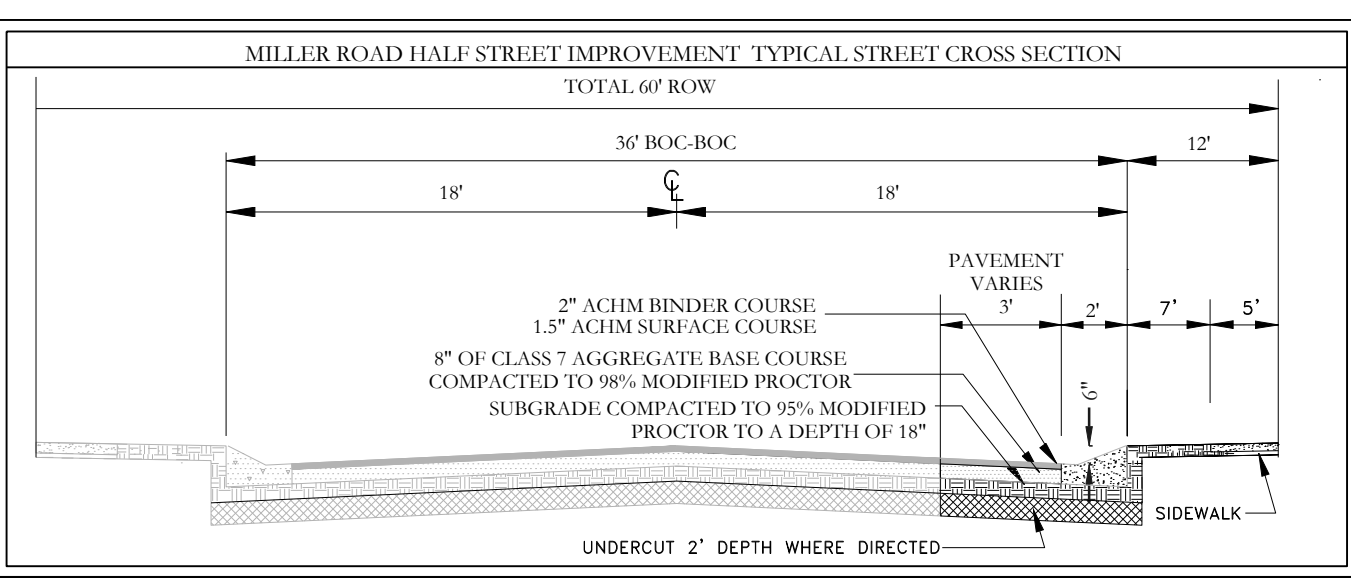
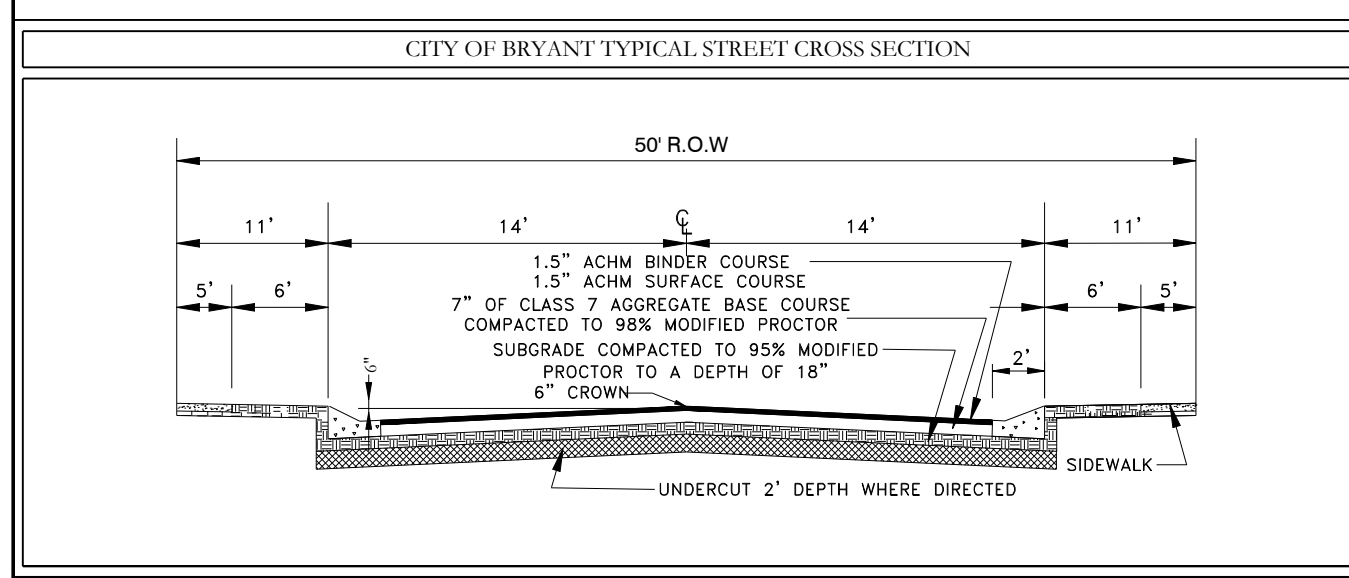
Black Hawk Profile



Princeton Square Profile



--- HDPE  
 — RCP



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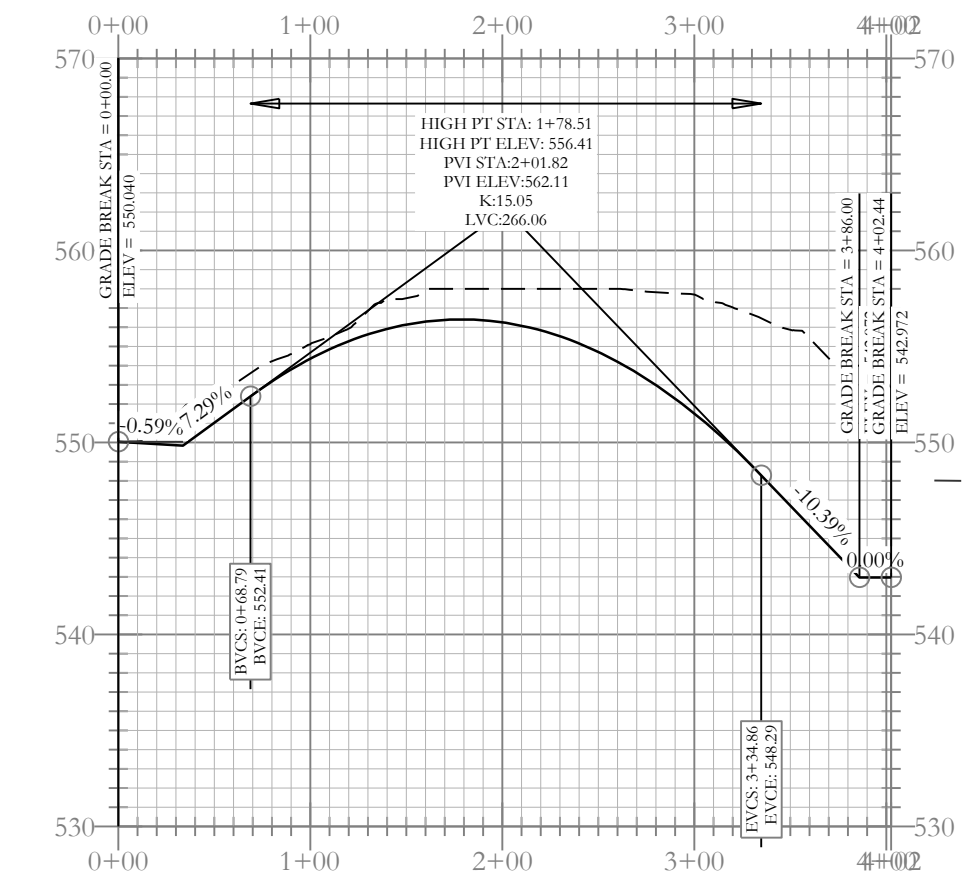
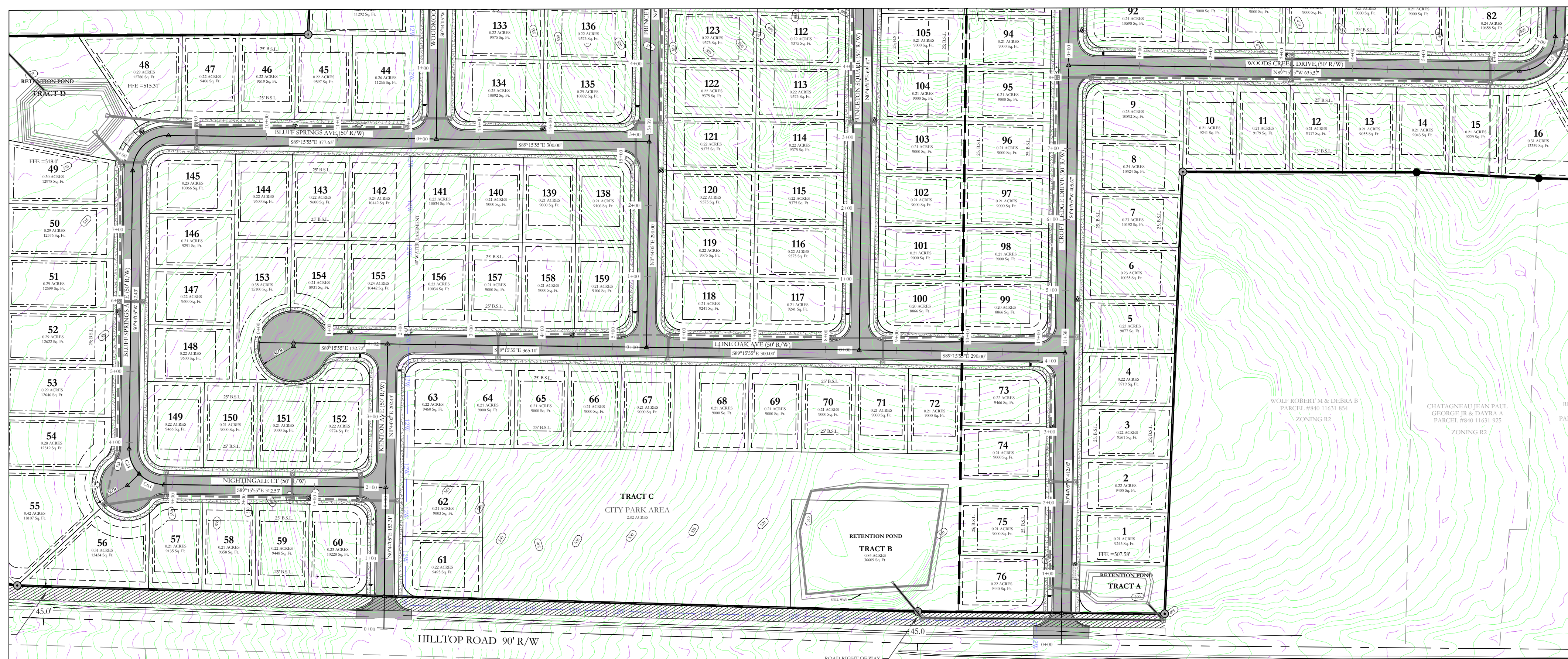
**HILLTOP LANDING STREET PLAN & PROFILE**  
 A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS

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REVISID: 06/07/2023	CHECKED BY:	20-1341
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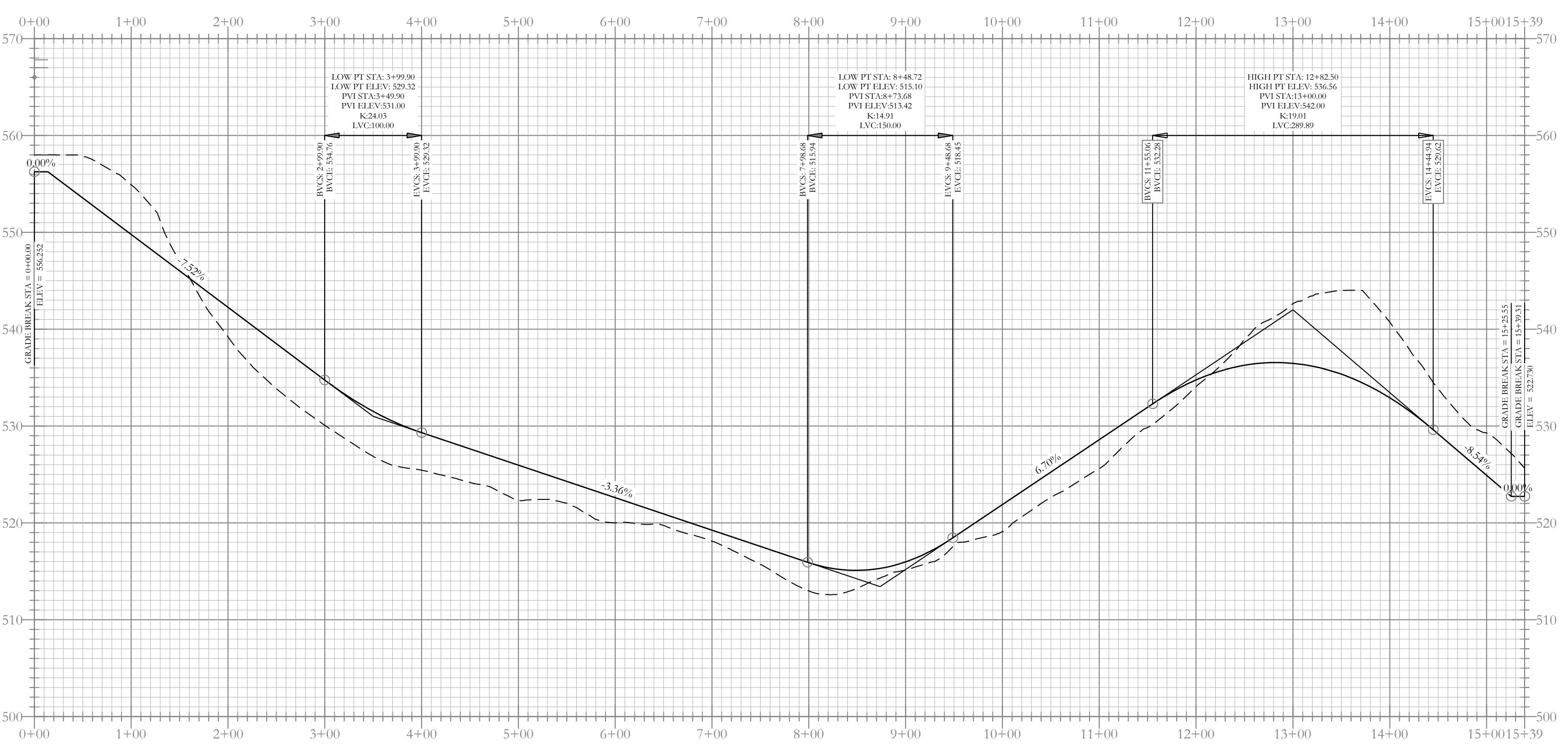
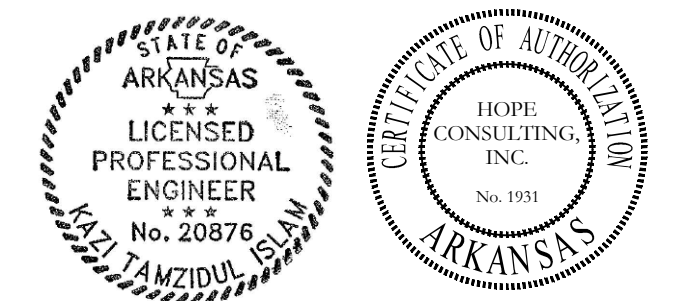
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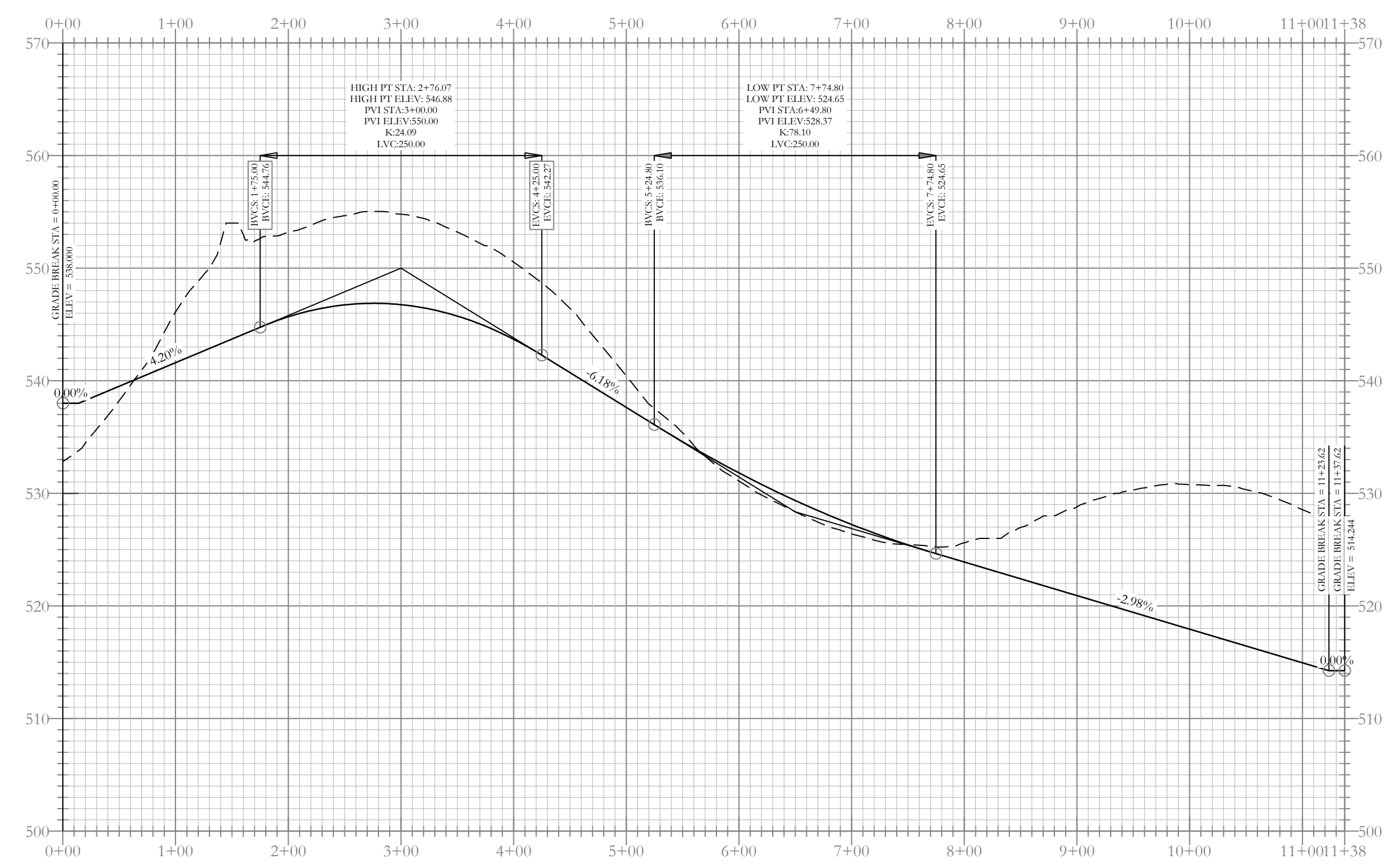




Kenton Ave Profile

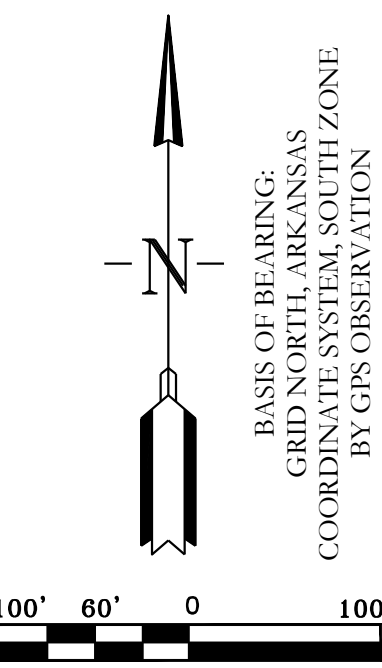
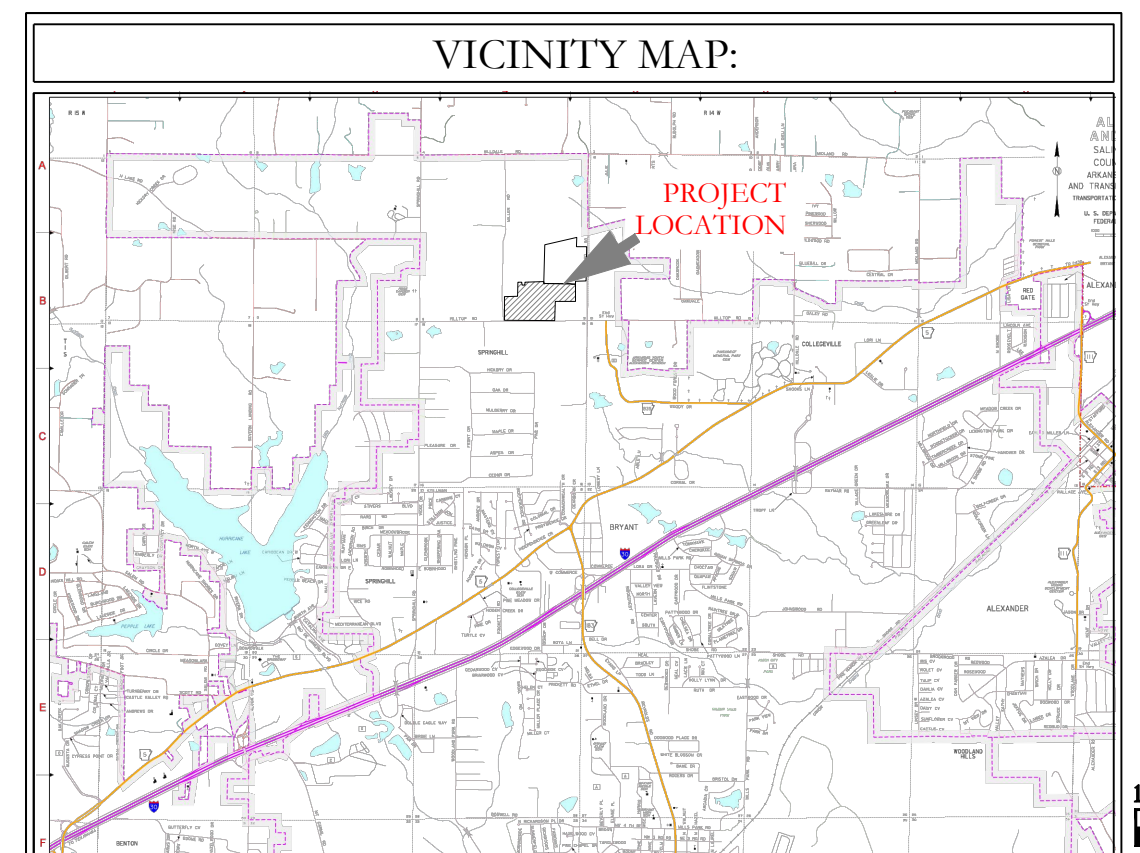
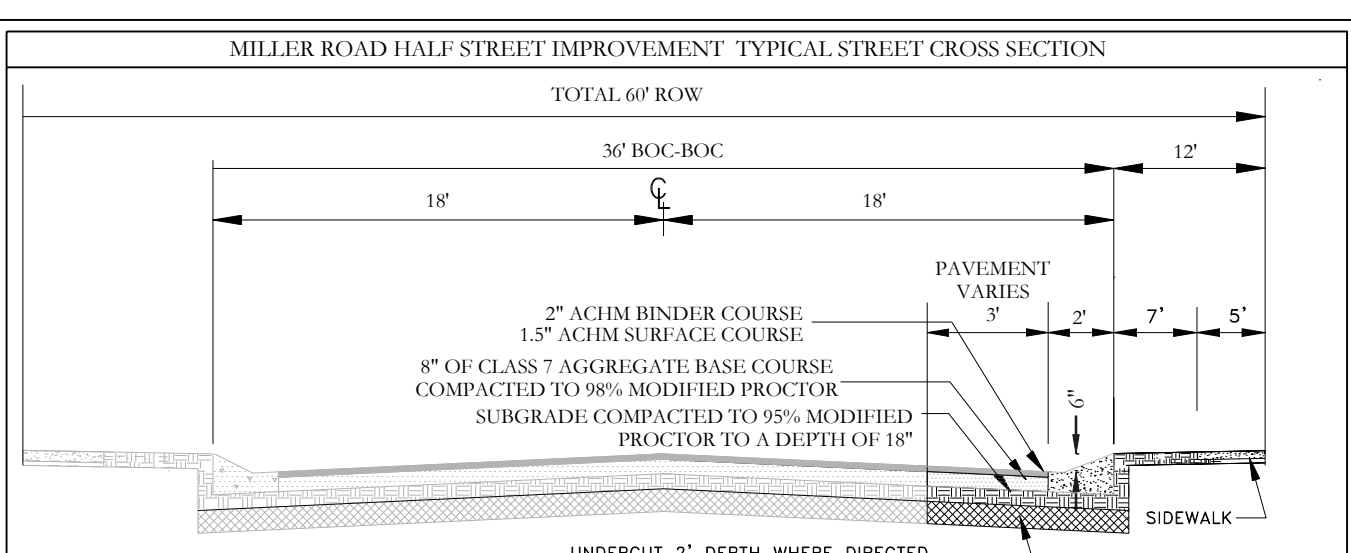
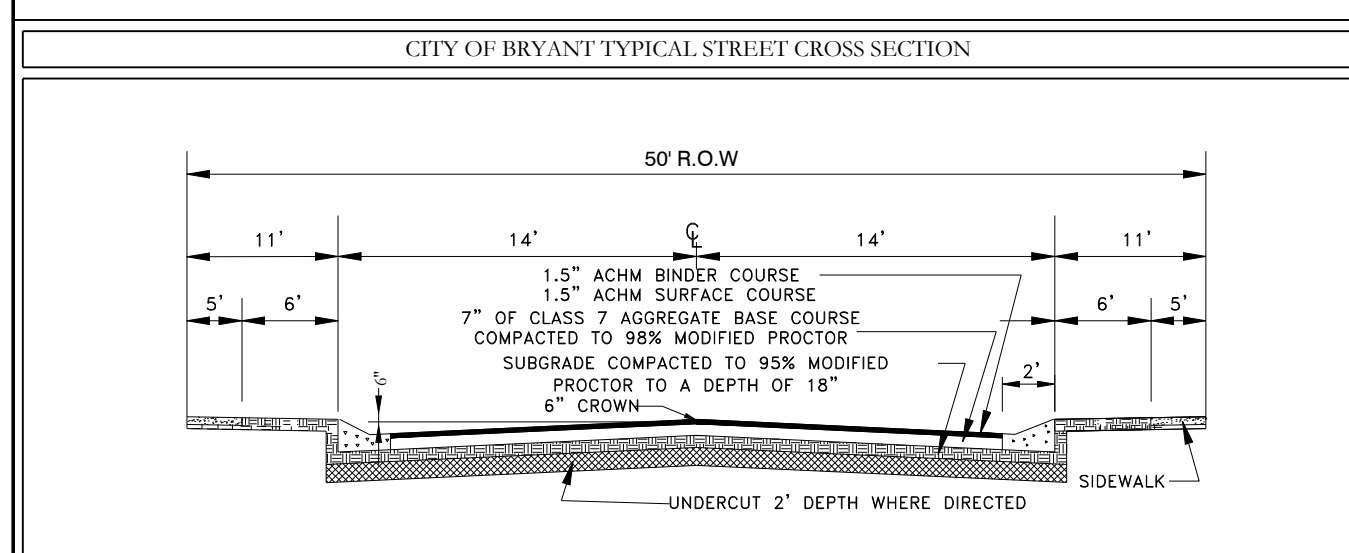


Nightingale Ct-Bluff Springs Ave Profile



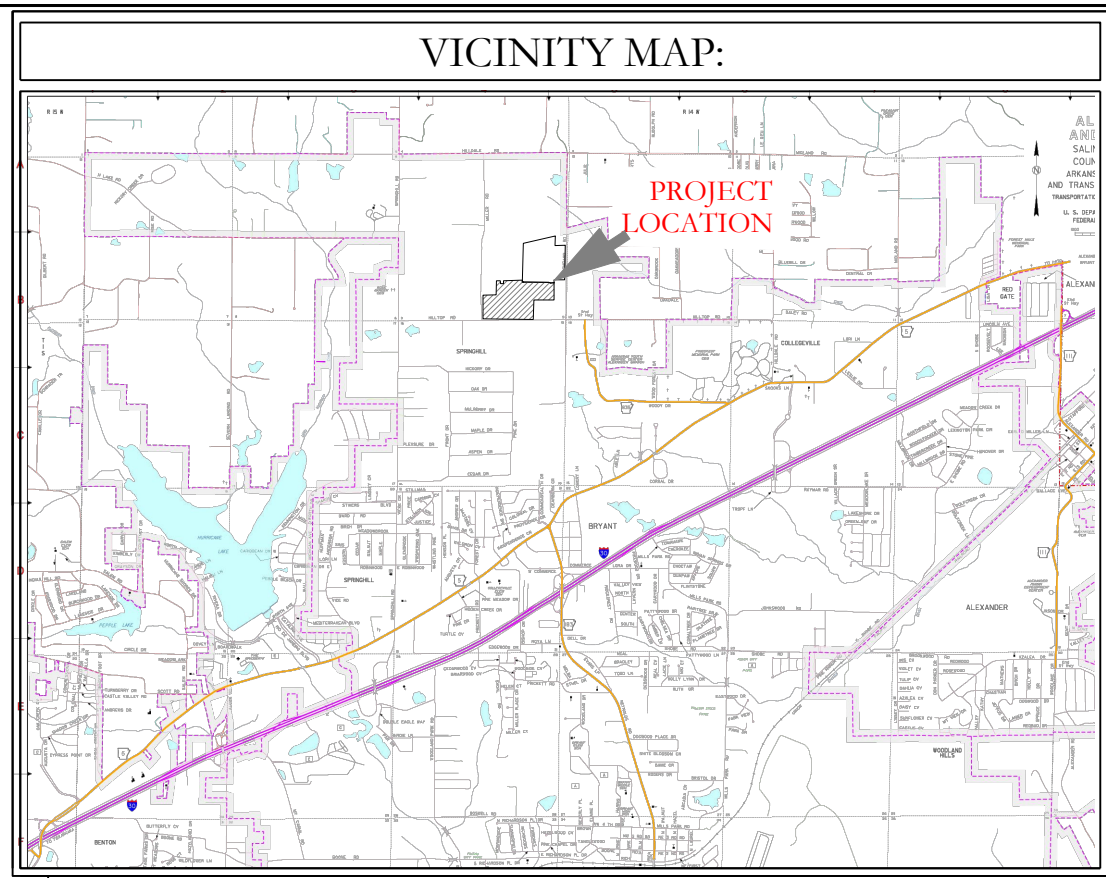
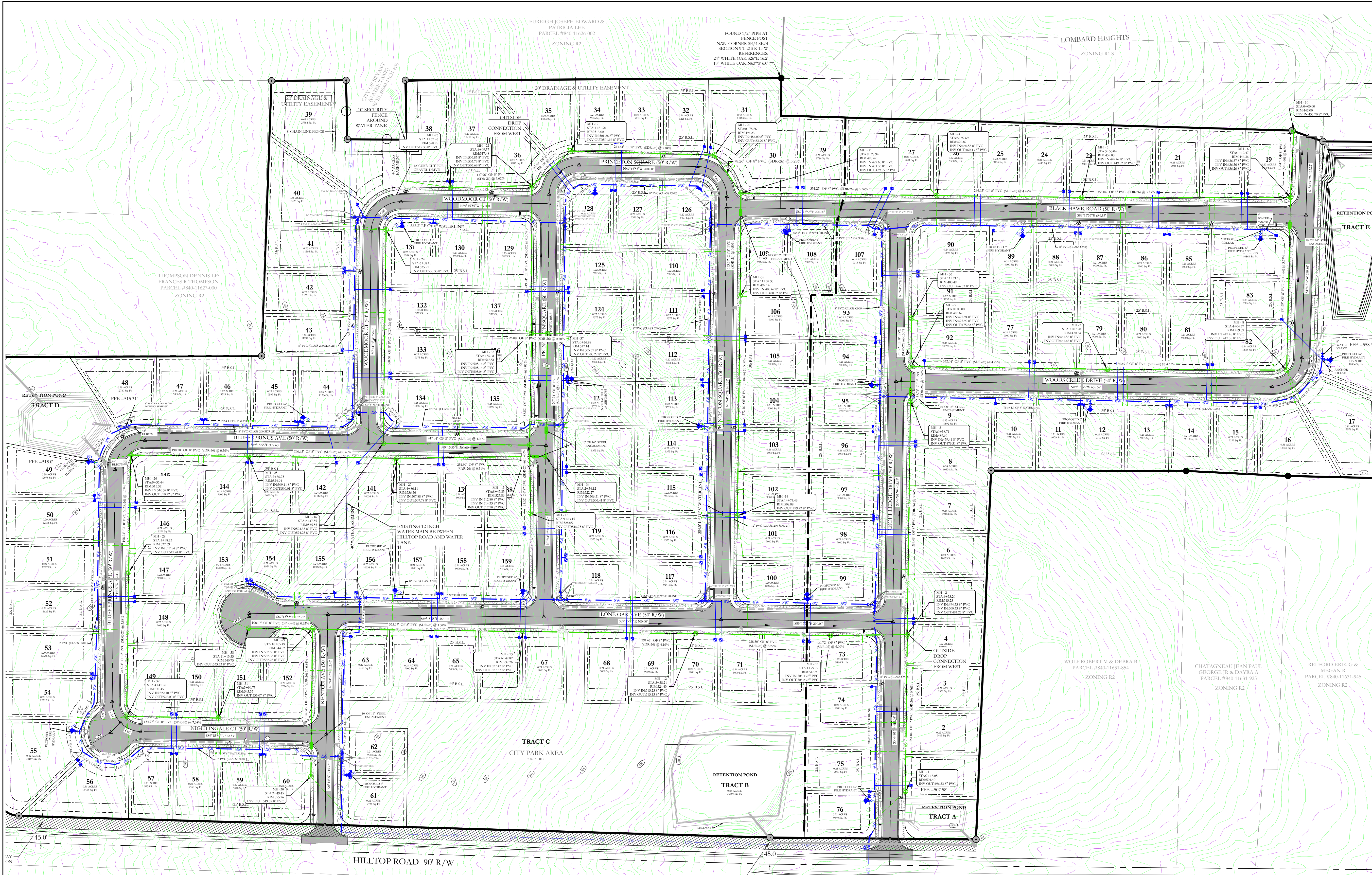
Lone Oak Ave Profile

--- HDPE  
 — RCP



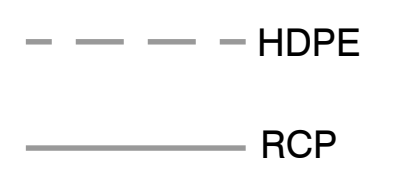
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FOR USE AND BENEFIT OF <b>NXT GEN HOMES LLC.</b>			
HILLTOP LANDING STREET PLAN & PROFILE A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS			
DATE: 03/08/2023	C.A.D. BY:	DRAWING NUMBER:	
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SHEET: C-1.2	SCALE: 1" = 120'		
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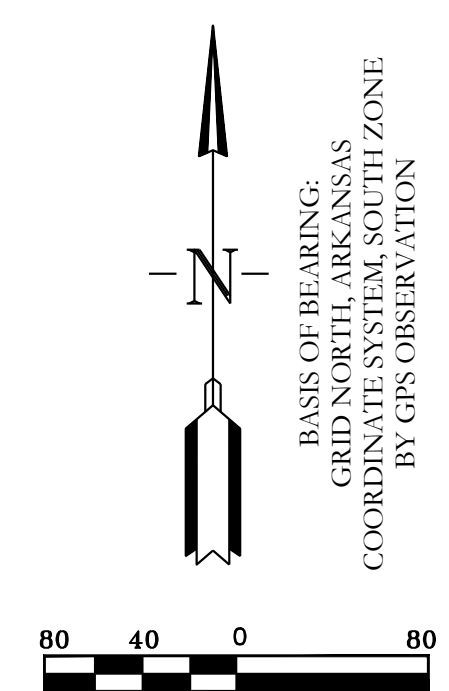
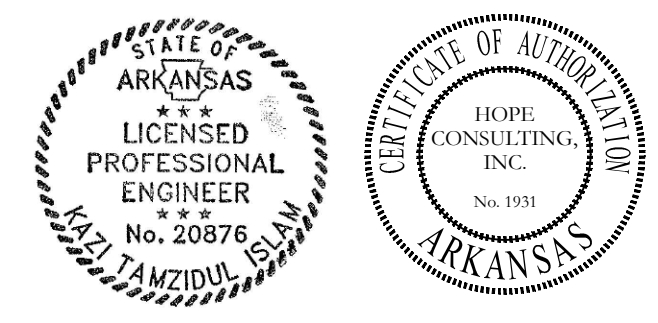


- SEWER CONSTRUCTION NOTES:**
- ALL SEWER CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH BRYANT UTILITIES' MASTER SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF WATER AND SEWER UTILITIES' 2015 EDITION.
  - USE SDR-26 PVC SEWER PIPE EXCEPT WHERE INDICATED OTHERWISE ON THE PLANS OR WHERE DUCTILE IRON PIPE IS REQUIRED FOR COVER.
  - DUCTILE IRON PIPE WHERE 3' MINIMUM COVER CANNOT BE MAINTAINED, OR AS INDICATED.
  - ALL LONG-SIDE SEWER SERVICES SHALL BE SCHEDULE 40 OR SDR 21 PIPE.
  - FINISH GRADE HEIGHT ON MANHOLES NEED TO BE 4-6 INCHES ABOVE CURB LINE.
  - ALL MANHOLES WILL BE XYPEX.
  - THE LIFT STATION PROPERTY MUST BE DEEDED TO THE CITY OF BRYANT.
  - STATION MUST BE SET UP THROUGH JACK TYLER.
  - INSTEAD OF FLOATS, THERE WILL NEED TO BE PROBES.
  - SAFETY LIGHT MUST BE INSTALLED (NO WOOD).
  - EVERYTHING IN WET WELL MUST BE STAINLESS STEEL INCLUDING CHAINS.
  - ALL LIFT STATIONS MUST HAVE WOVEN MONOFILAMENT GEOTEXTILE MATERIAL COVERING THE WHOLE PROPERTY OF THE LIFT STATION WITH THE GRAVEL ON TOP TO CONTROL WEEDS AND GRASS CAUSING PROBLEMS IN THE DRIVE TO THE LIFT STATION AND THE GATED AREA OF THE LIFT STATION.
  - LIFT STATION MUST HAVE A ROLLING GATE, OR GATES THAT SWING OUT FOR OUR JET VAC/ PUMP TRUCK TO GET INTO.
  - ALL PANELS MUST HAVE THE ROOF COVER AND MUST BE STEEL FRAME AND PANEL ROOF DESIGN COVERING 5 FEET ON ALL SIDES OF THE PANELS.
  - AT STORM DRAIN CROSSING OR ANY DRAINAGE DITCHES CROSSING, THE SEWER INFRASTRUCTURE WILL NEED TO BE STEEL ENCASED, FIVE FEET ON EITHER SIDE.
  - NO STEPS IN MANHOLES.
  - CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL BURIED UTILITIES PRIOR TO CONSTRUCTION.
  - ELECTRICAL CONDUIT COMING OUT OF THE CONTROL BOX WILL NEED TO BE 3" CONDUIT SHOULD BE PLUGGED WITH PUTTY NOT SPRAY IN FOAM TO RESTRICT GASES FROM ENTERING THE CONTROL BOX THAT CAUSES CORROSION.
  - THE LIFT STATION ROOF NEEDS TO BE METAL OR OTHER MATERIAL, NOT WOOD, ALSO THE LIGHT POLE CAN NOT BE WOOD.
  - RPZ WILL NEED TO BE IN A WEATHERPROOF BOX.

- WATER CONSTRUCTION NOTES:**
- ALL WATER CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH BRYANT UTILITIES' MASTER SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF WATER AND SEWER UTILITIES' 2015 EDITION.
  - LONG-SIDE WATER SERVICE LINES SHALL BE ENCASED, INCLUDING THE LINES BENEATH THE CUL-DE-SAC.
  - ALL SERVICE CROSSINGS SHALL BE 1" DRISCO SERVICE LINE ENCASED IN A 2" PVC SLEEVE.
  - ALL WATER MAIN FITTINGS SHALL BE MEGALUG BRAND MECHANICAL JOINT FITTINGS.



**SUBDIVISION  
UTILITY PLAN**



**WATER LEGEND:**

☐	DUAL WATER METERS
○	SINGLE WATER METER
⊕	GATE VALVE
⊕	45° FITTING
⊕	90° FITTING
⊕	TEE FITTING
⊕	CROSS FITTING
⊕	FIRE HYDRANT

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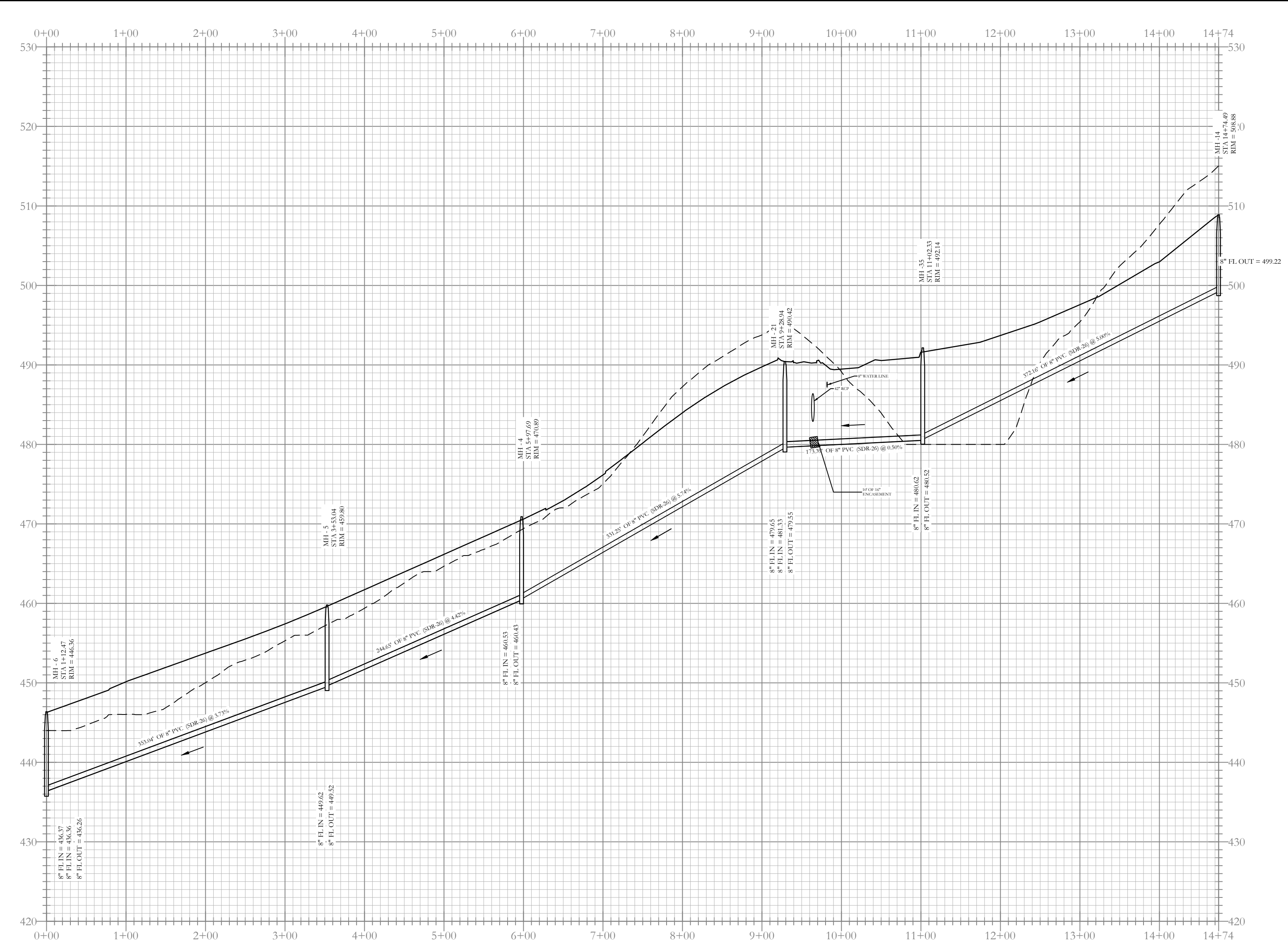
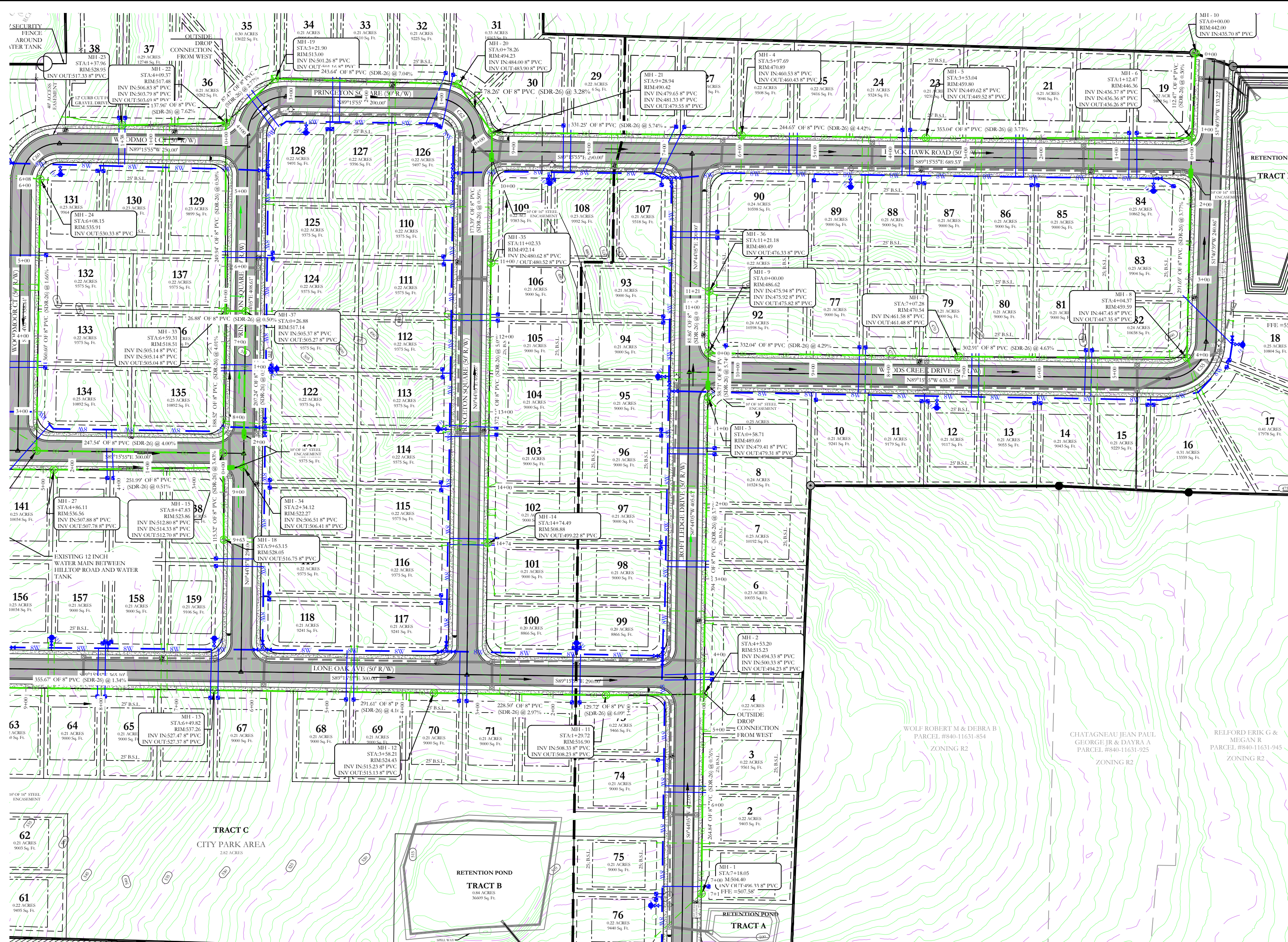
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**HILLTOP LANDING  
UTILITY PLAN**  
A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS

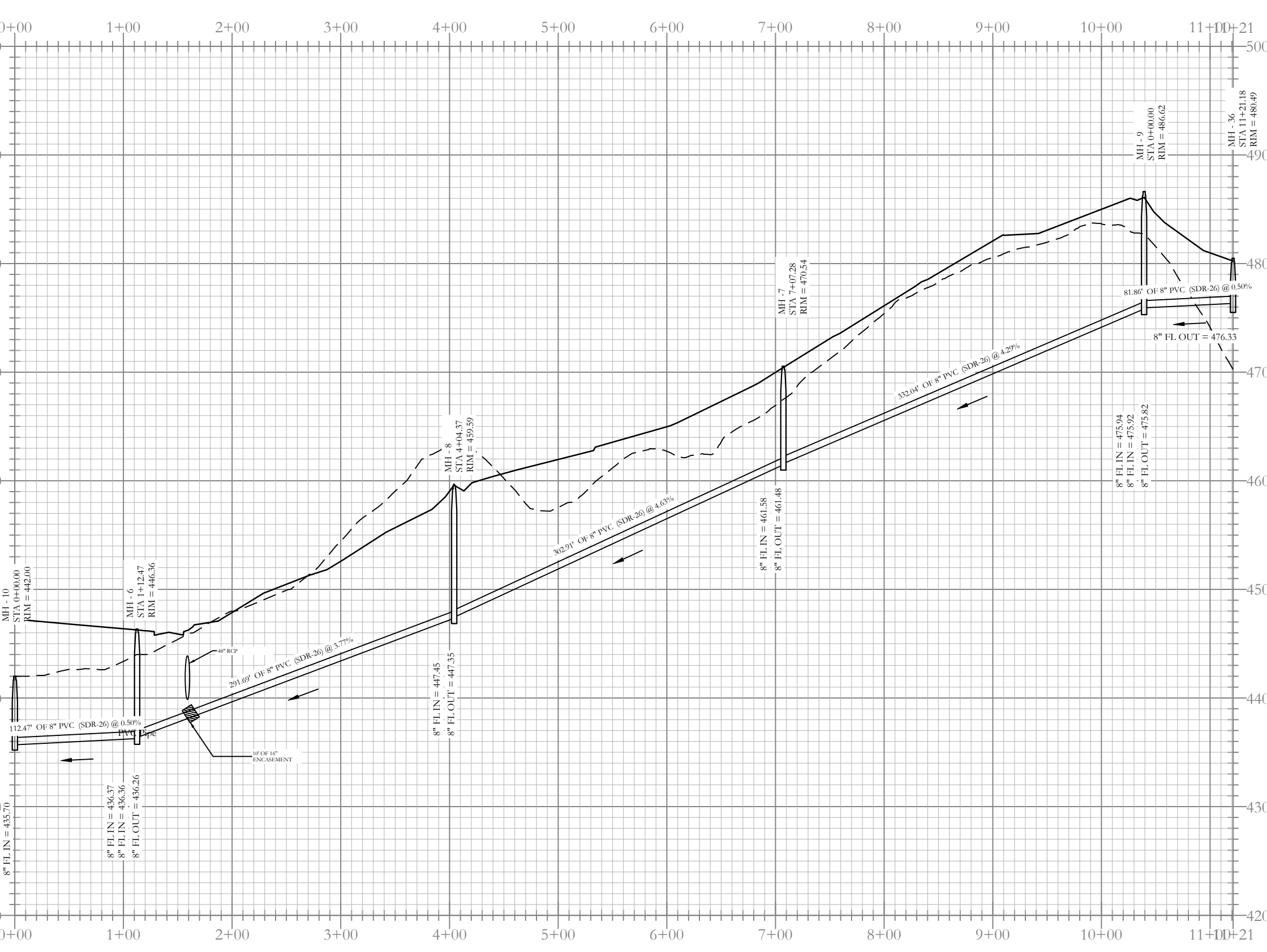
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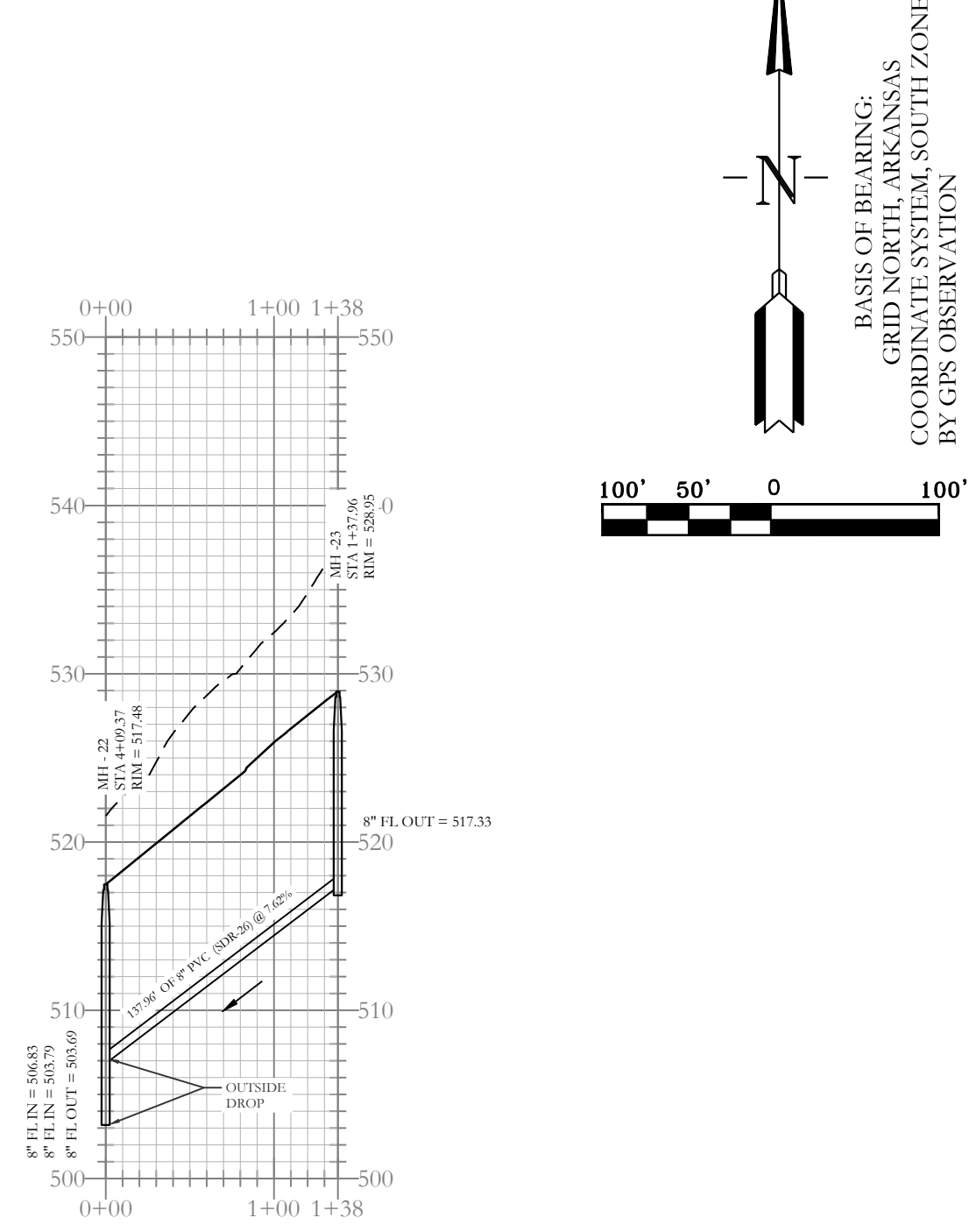




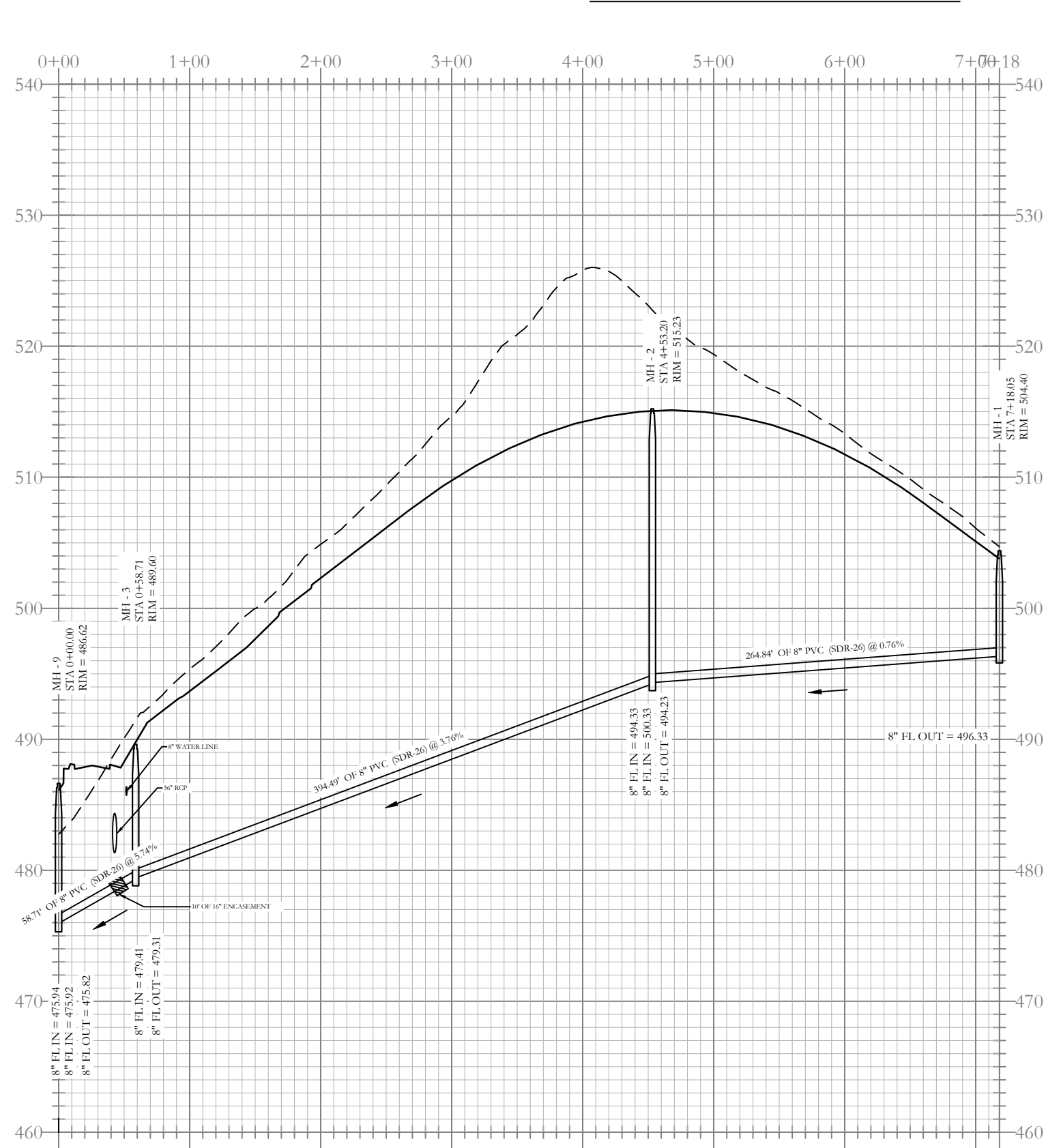
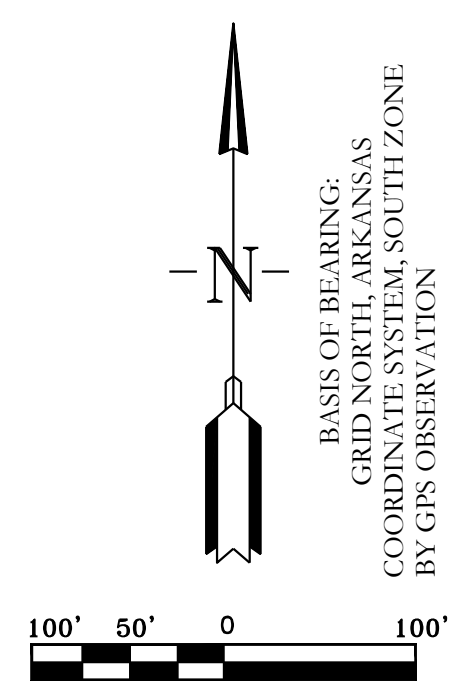
Sewer D Profile



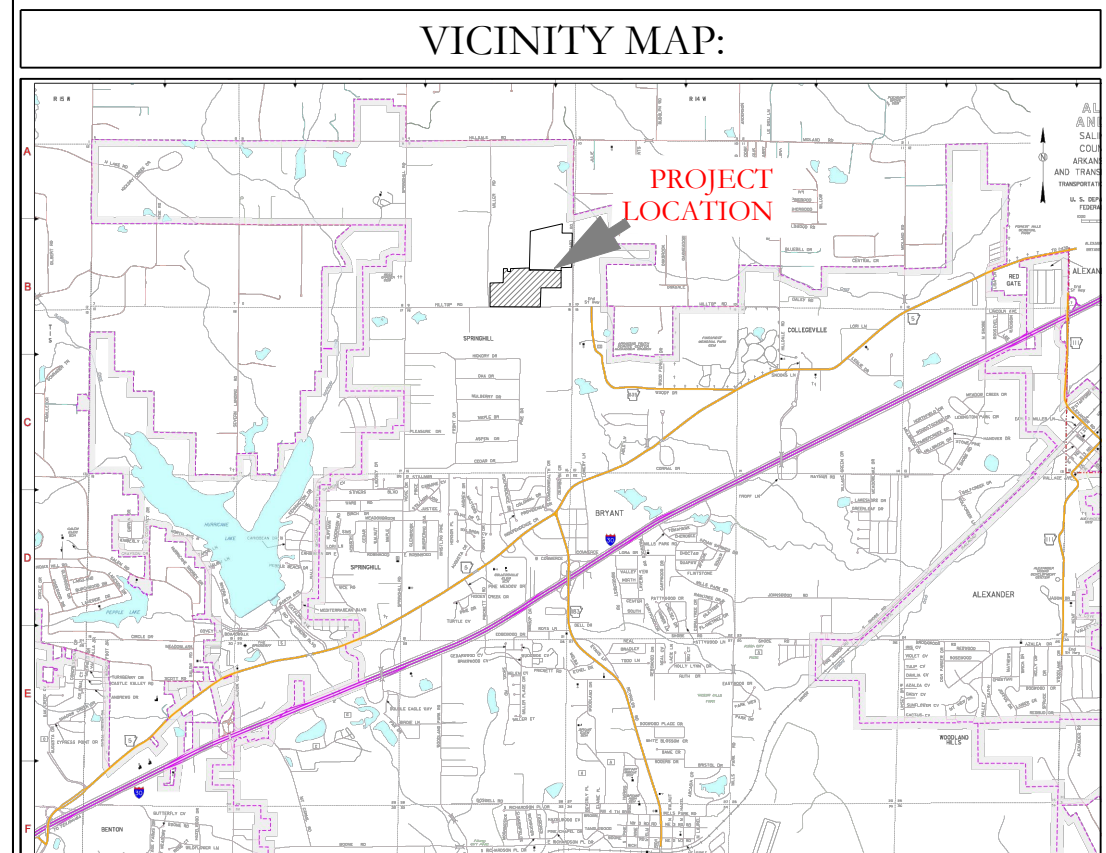
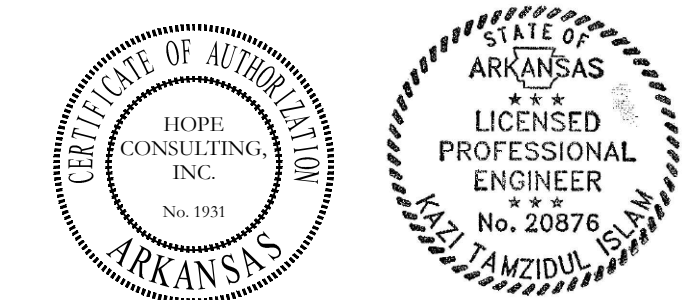
Sewer A Profile



Sewer B-1 Profile



Sewer Entrance Profile



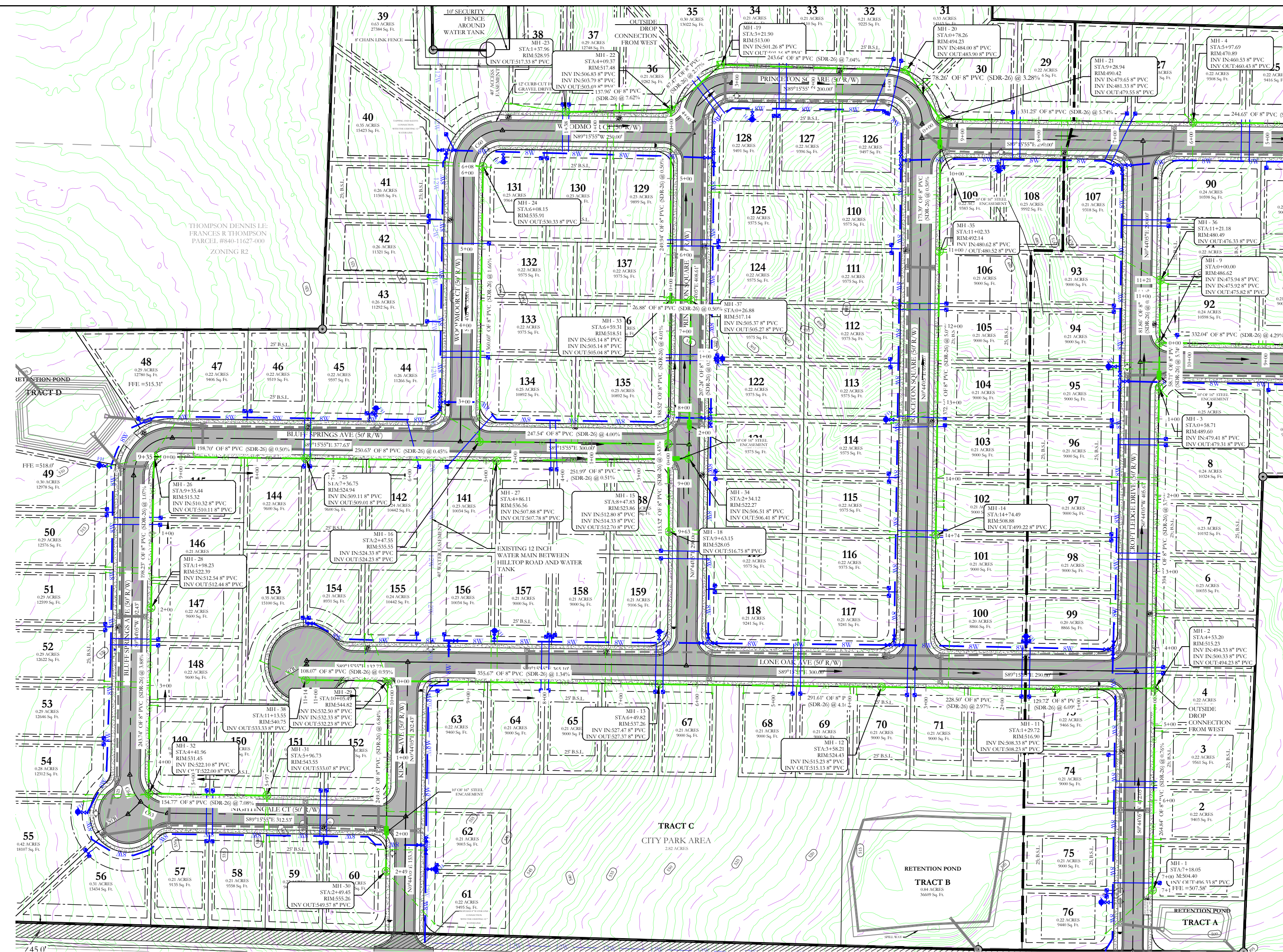
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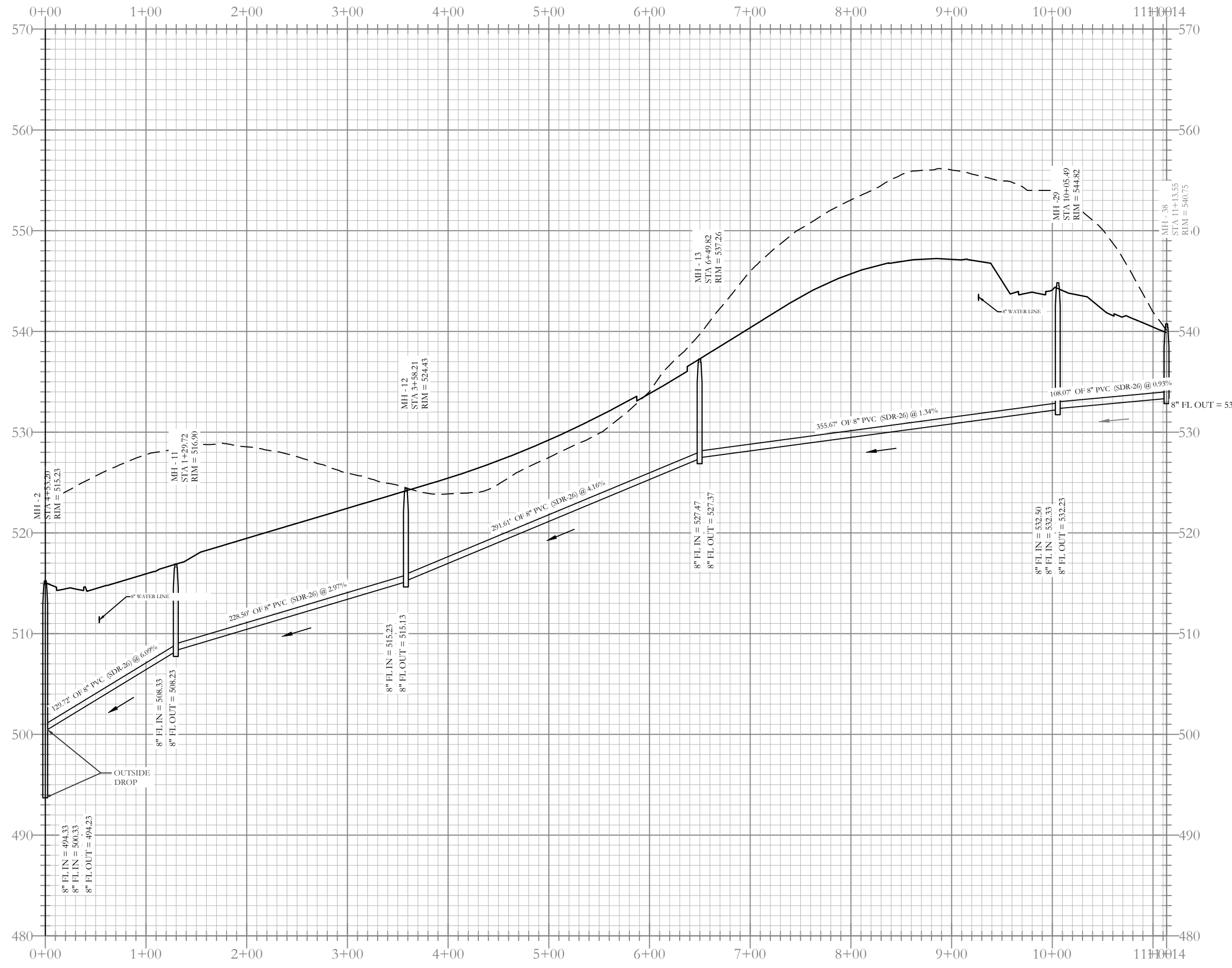
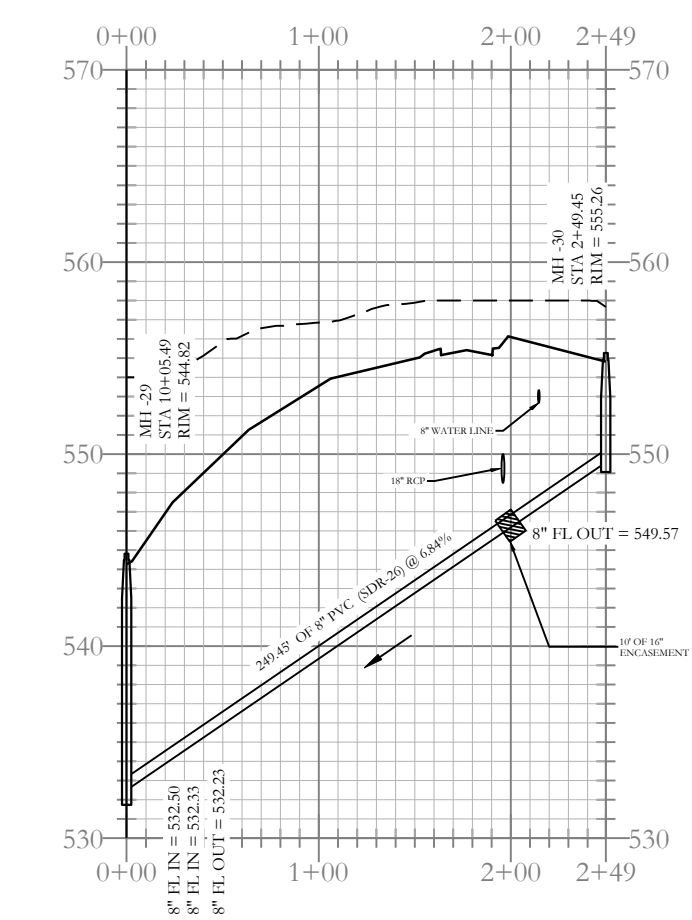
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HILLTOP LANDING SEWER PLAN AND PROFILE A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS			
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REVISION: 06/07/2023	CHECKED BY:	20-1341	
SHEET: C-2.1	SCALE: 1"=120'		
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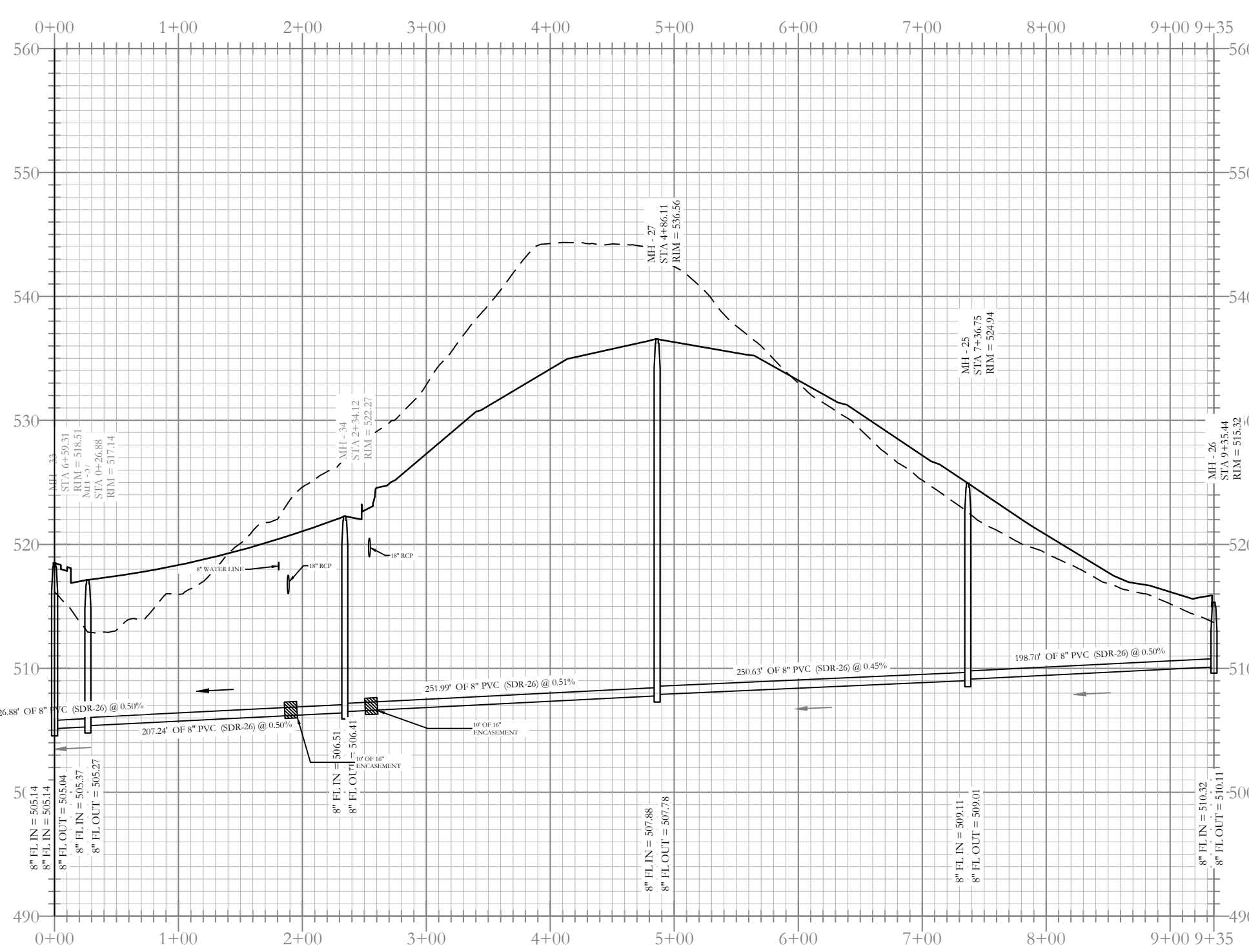




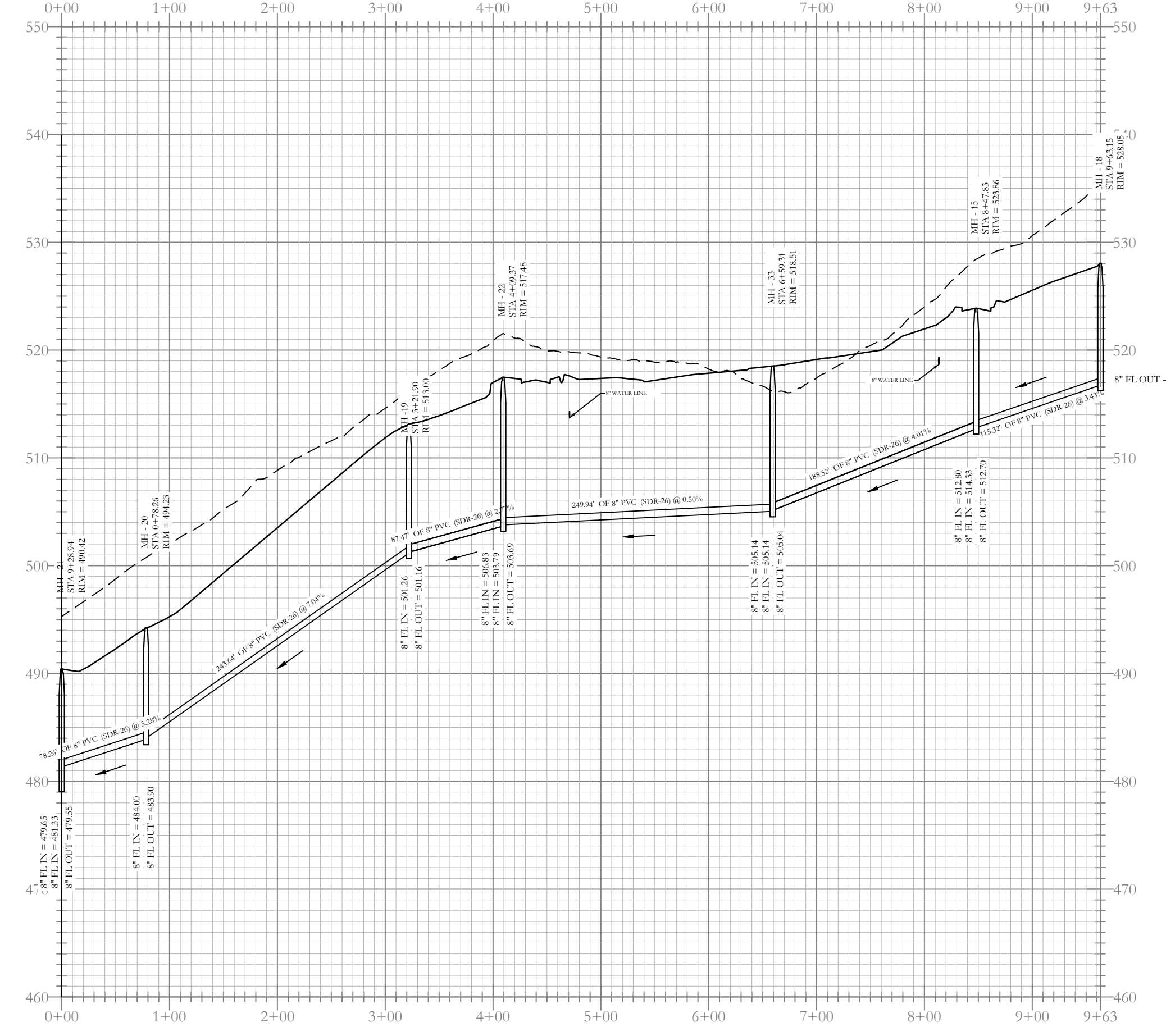
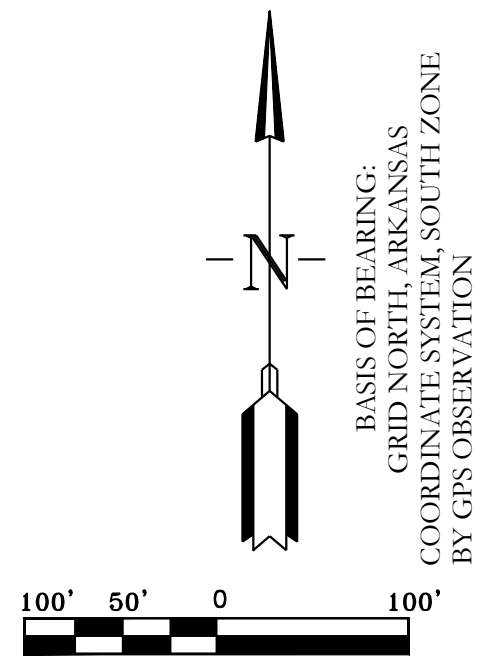
Sewer Entrance-2 Profile



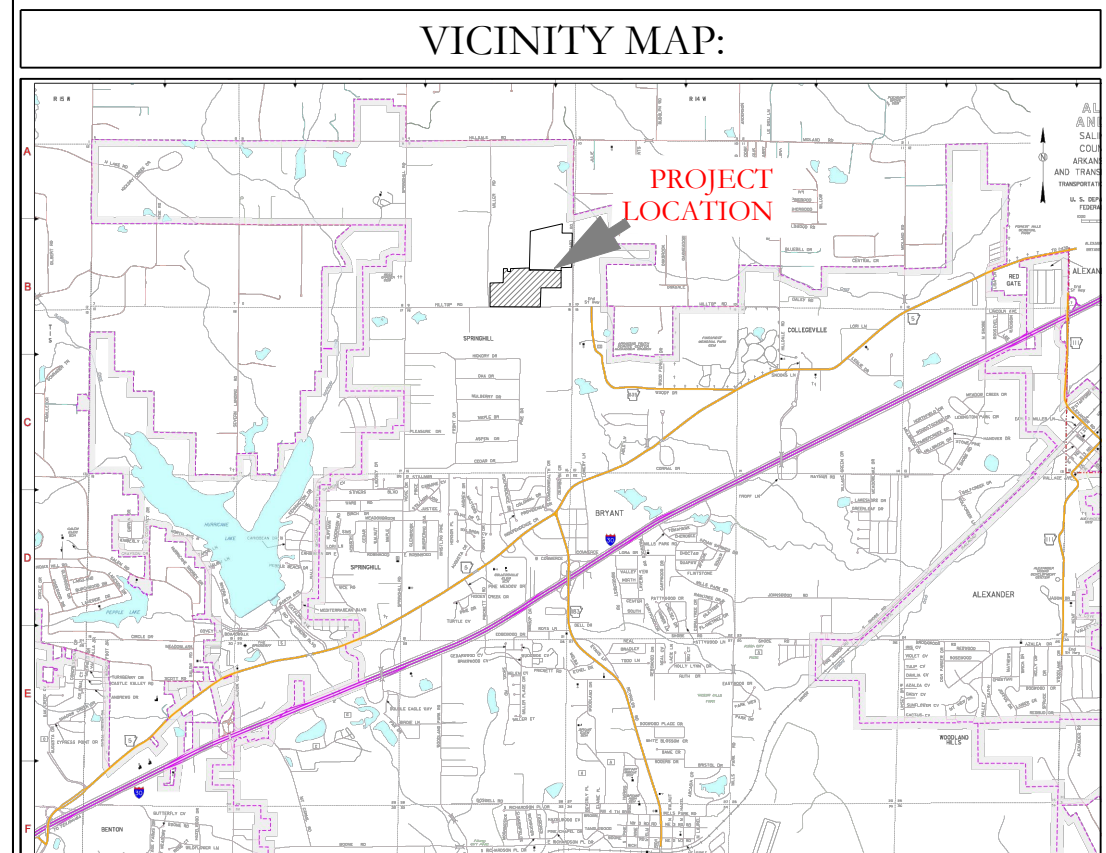
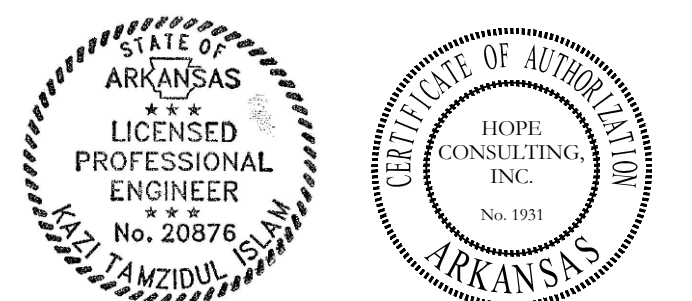
Sewer F-1 Profile



Sewer E-2 Profile



Sewer C Profile



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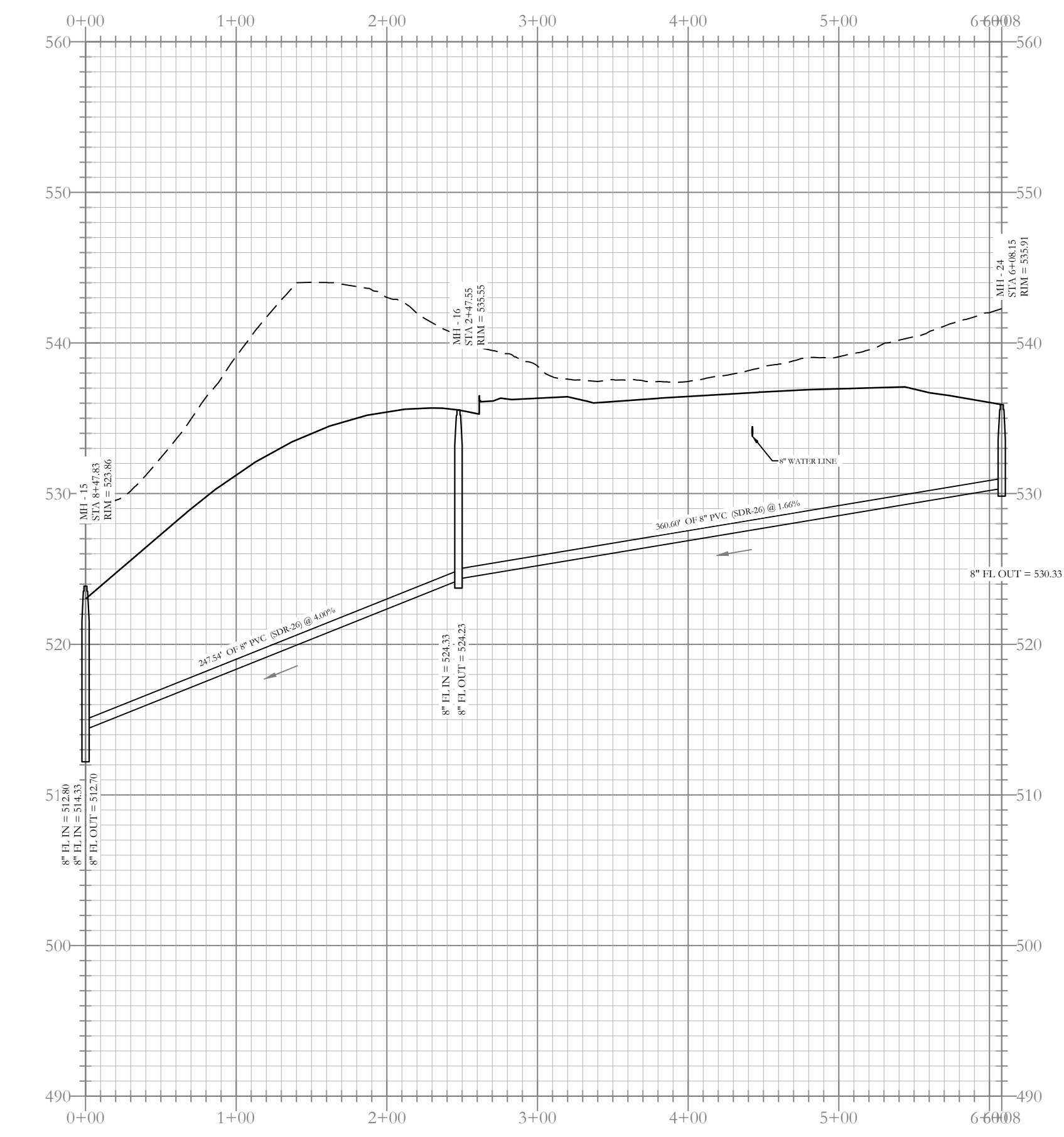
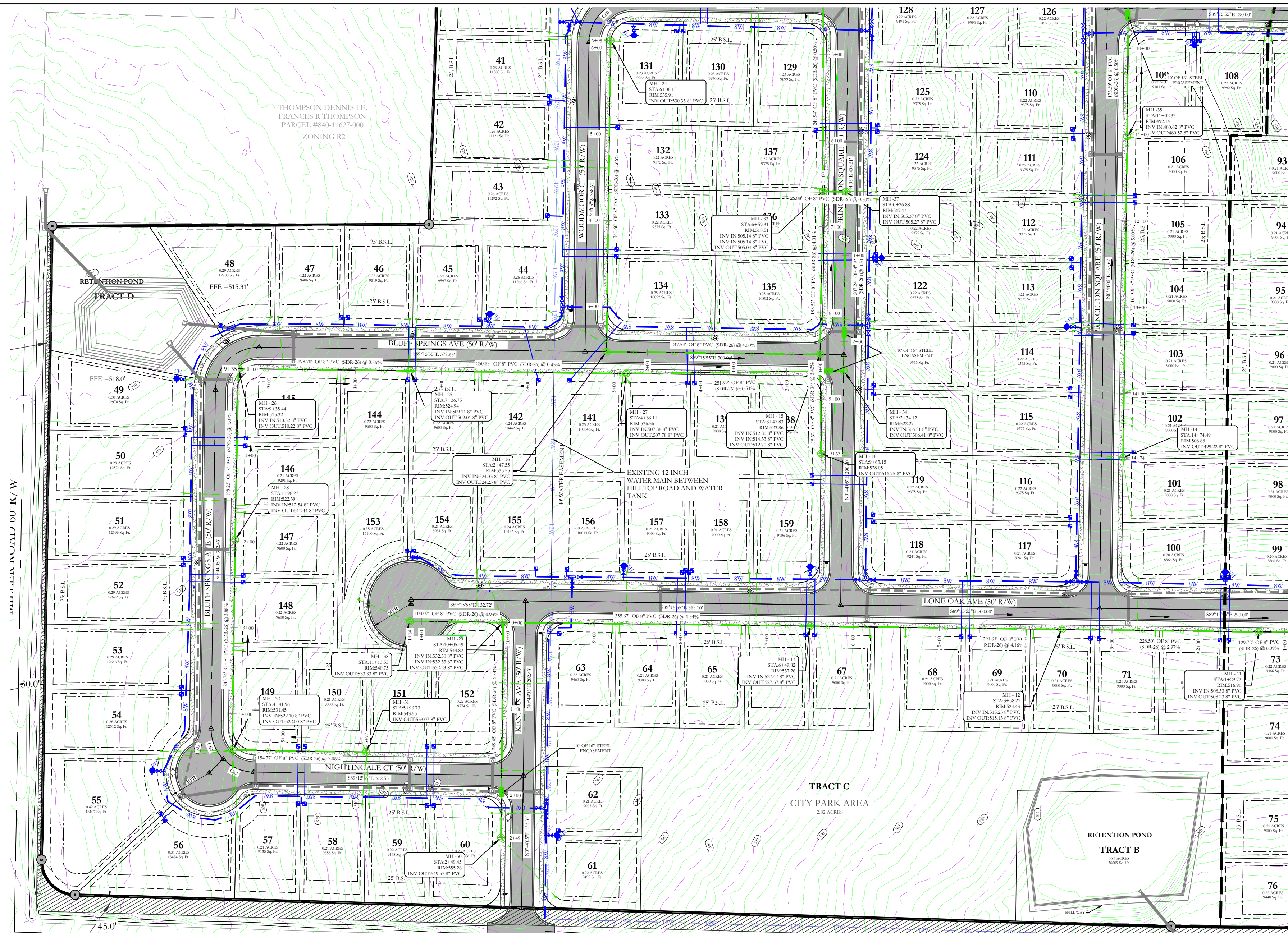
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**HILLTOP LANDING**  
 SEWER PLAN AND PROFILE  
 A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS

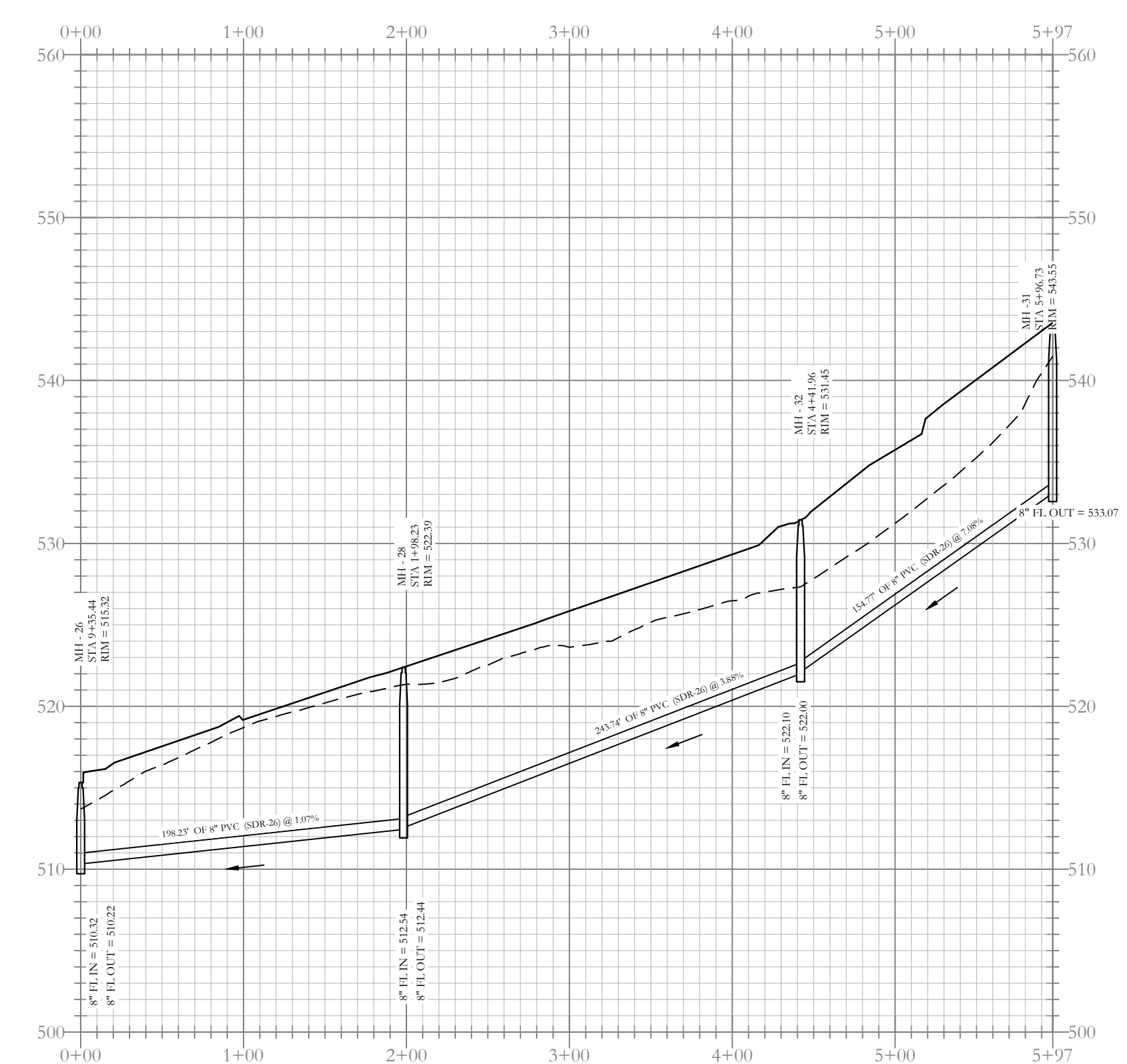
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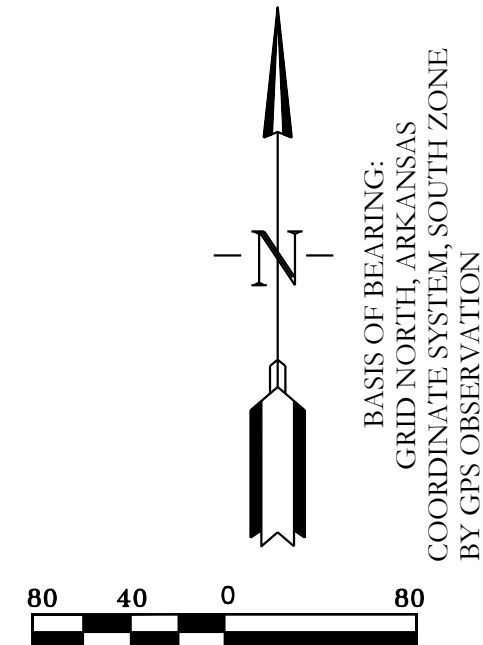
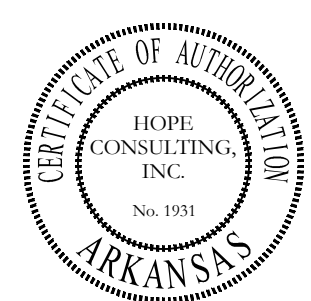
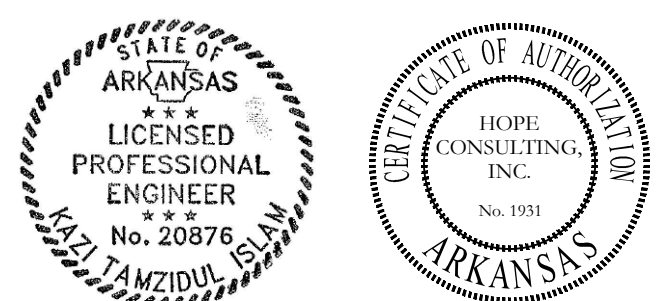
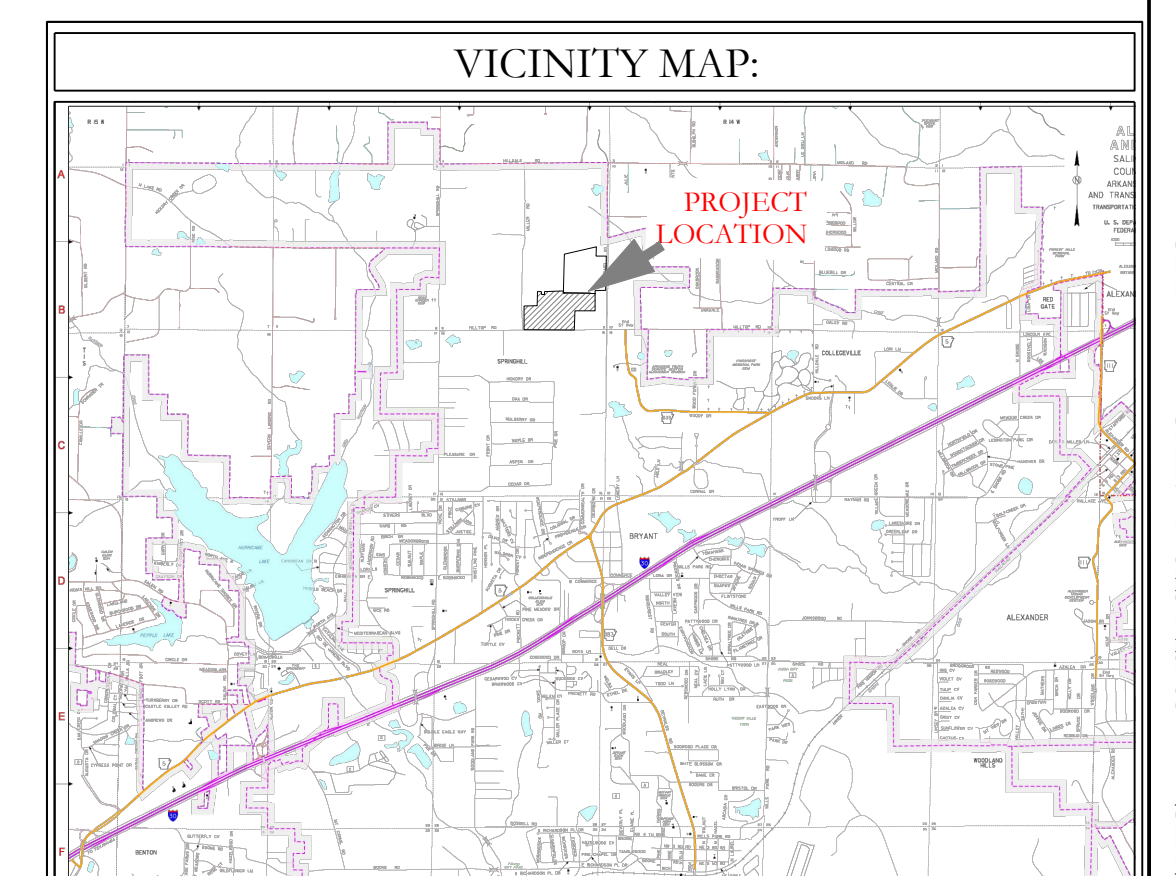




Sewer B-2 Profile



Sewer E-1 Profile



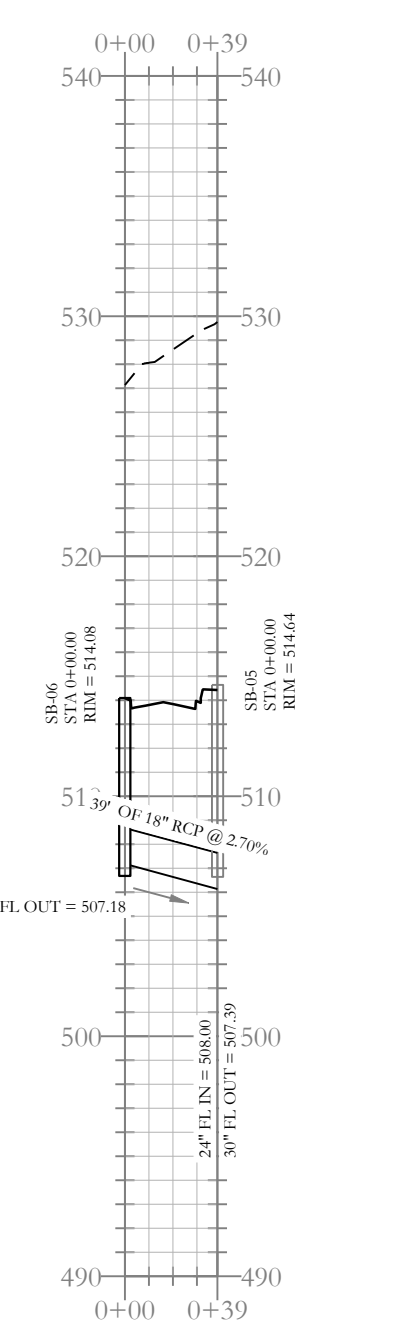
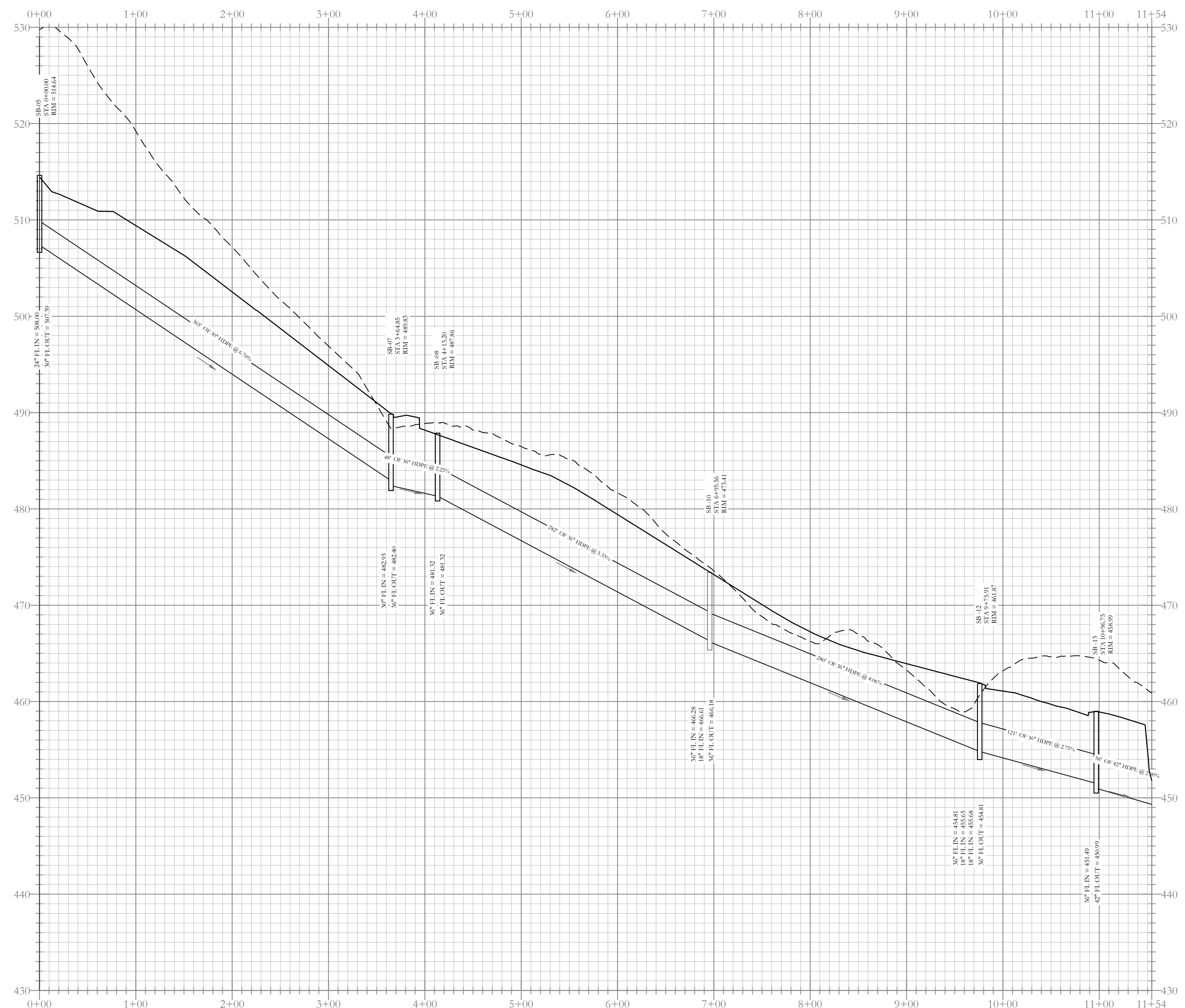
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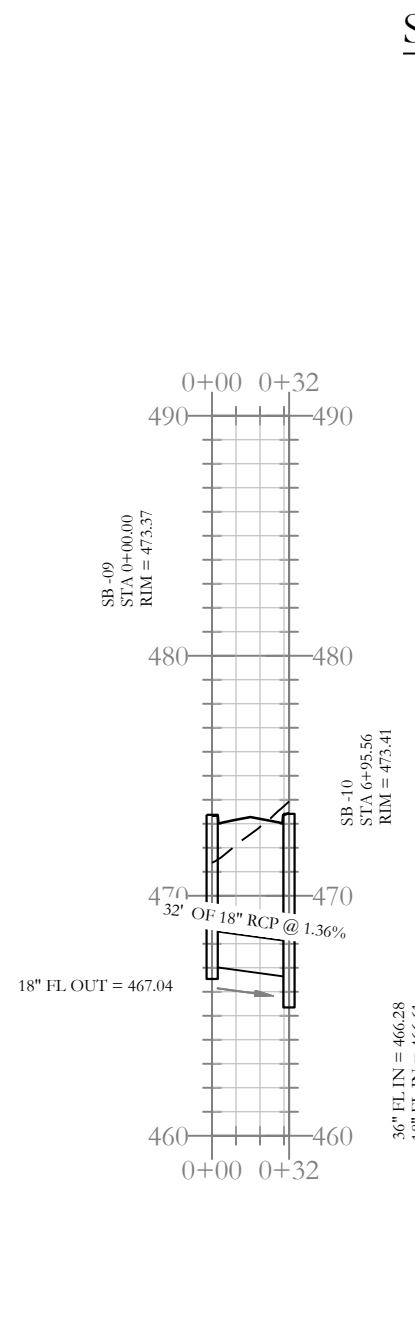
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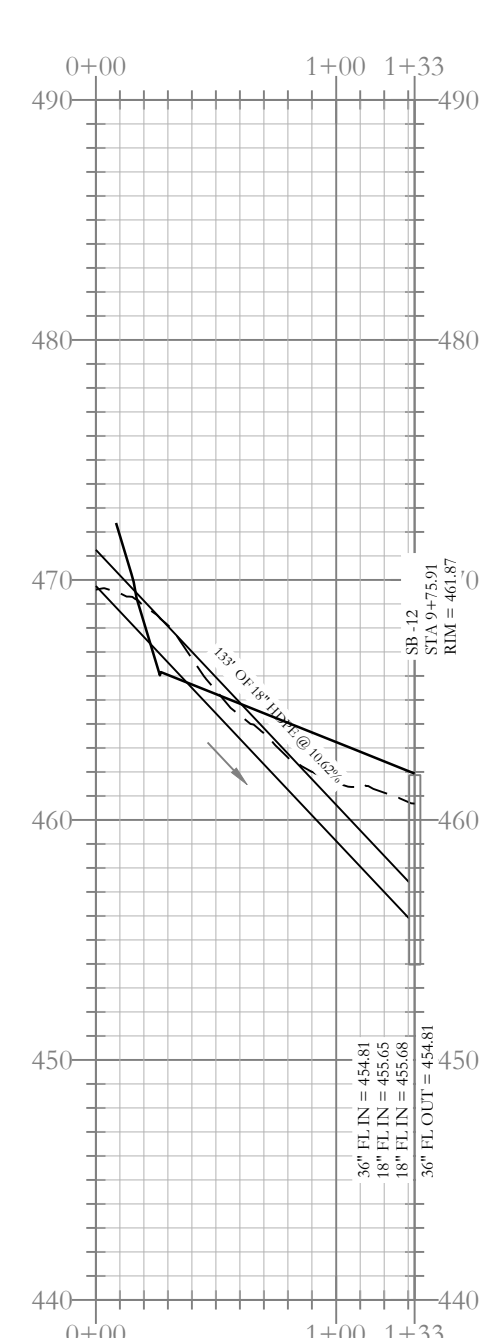


Stormwater A(i) Profile

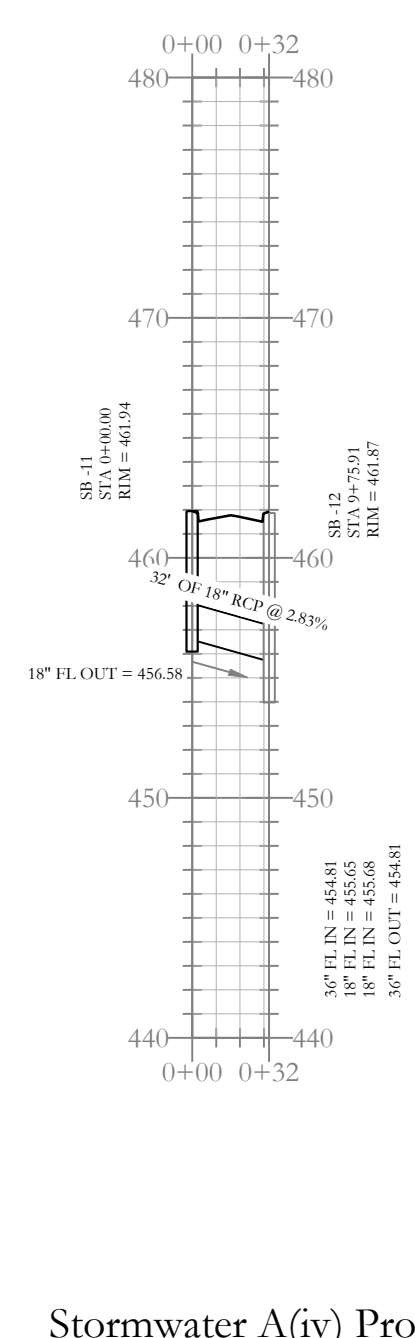


Stormwater A(ii) Profile

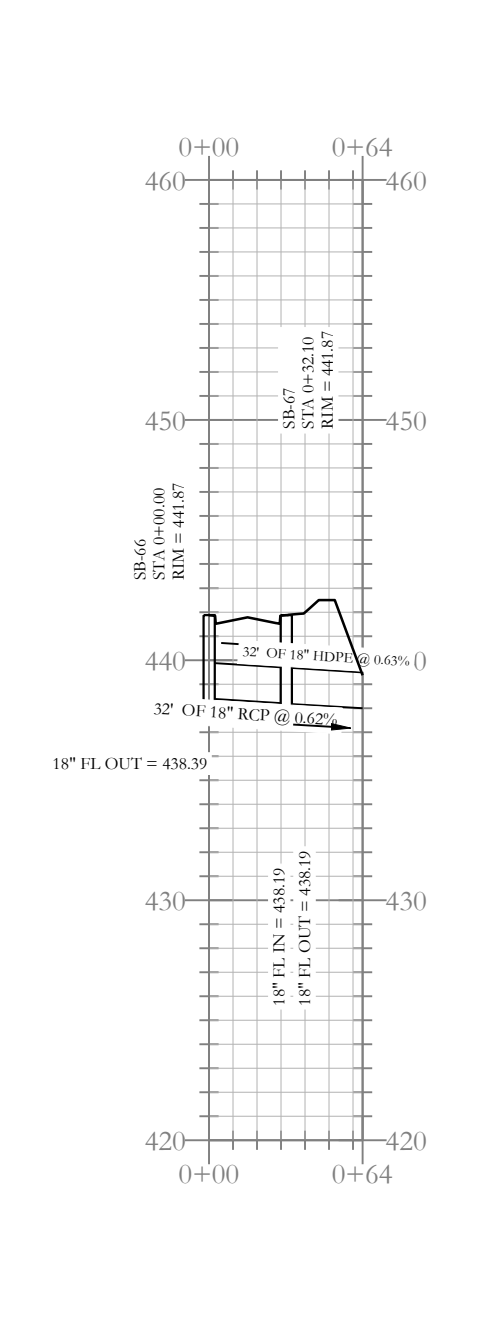
Stormwater A Profile



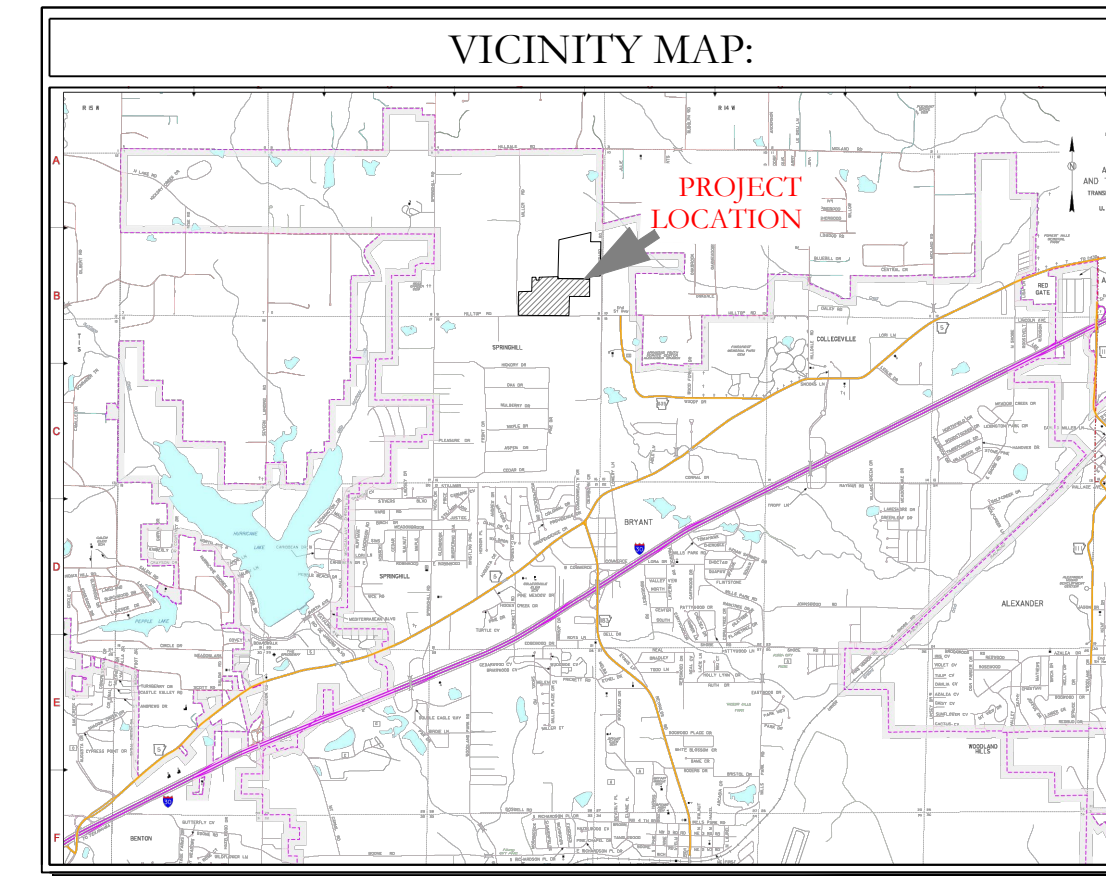
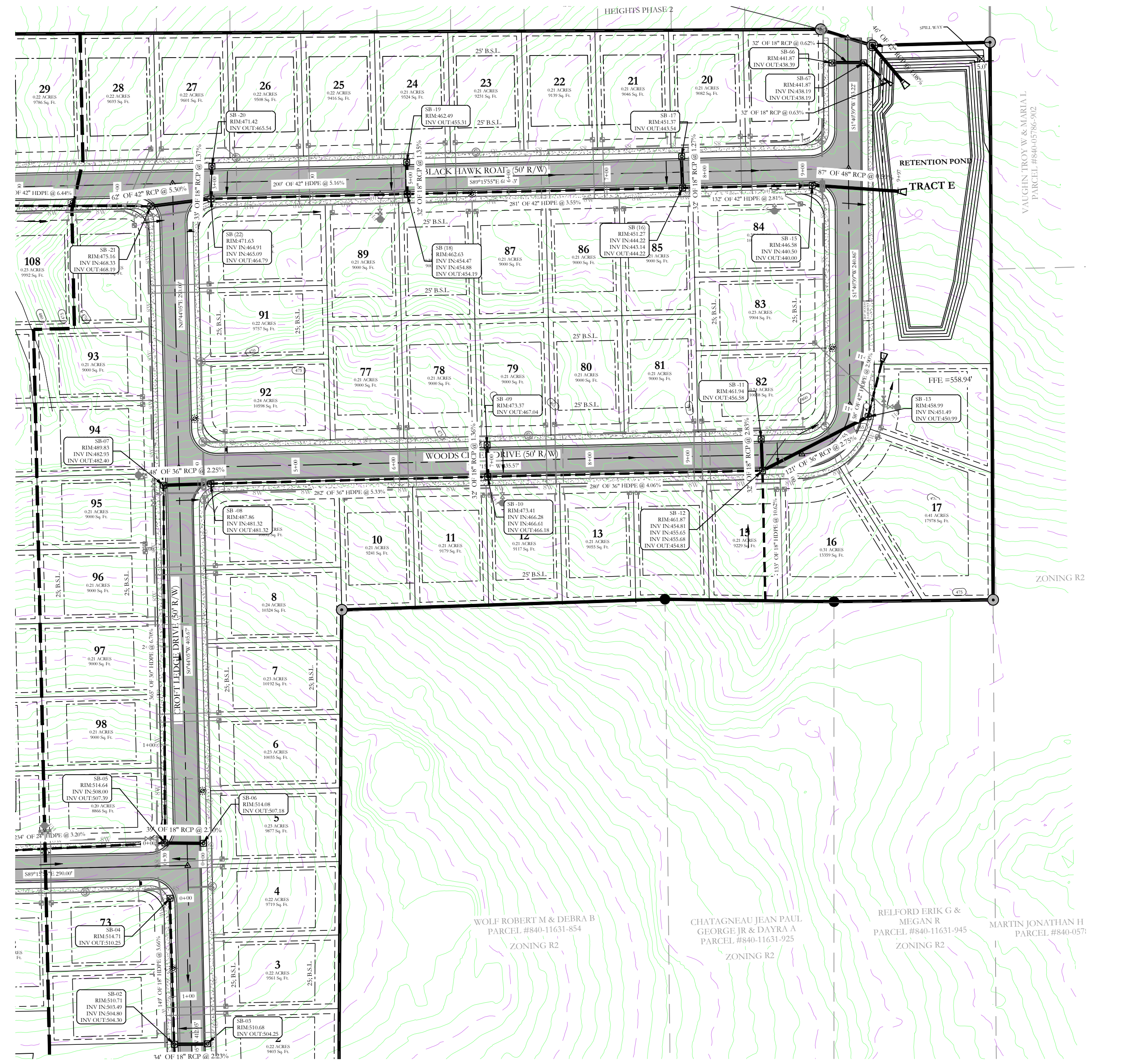
Stormwater A(iii)-Pipe behind the property Profile



Stormwater A(iv) Profile



Stormwater A(v) Profile



--- HDPE  
 — RCP

CERTIFICATE OF AUTHORIZATION  
 HOPE CONSULTING, INC.  
 No. 1931  
 STATE OF ARKANSAS  
 LICENSED PROFESSIONAL ENGINEER  
 No. 20876  
 AMZIDOU, EAM

BASIS OF BEARING:  
 GRID NORTH, ARKANSAS  
 COORDINATE SYSTEM, SOUTH ZONE  
 BY GPS OBSERVATION

80 40 0 80

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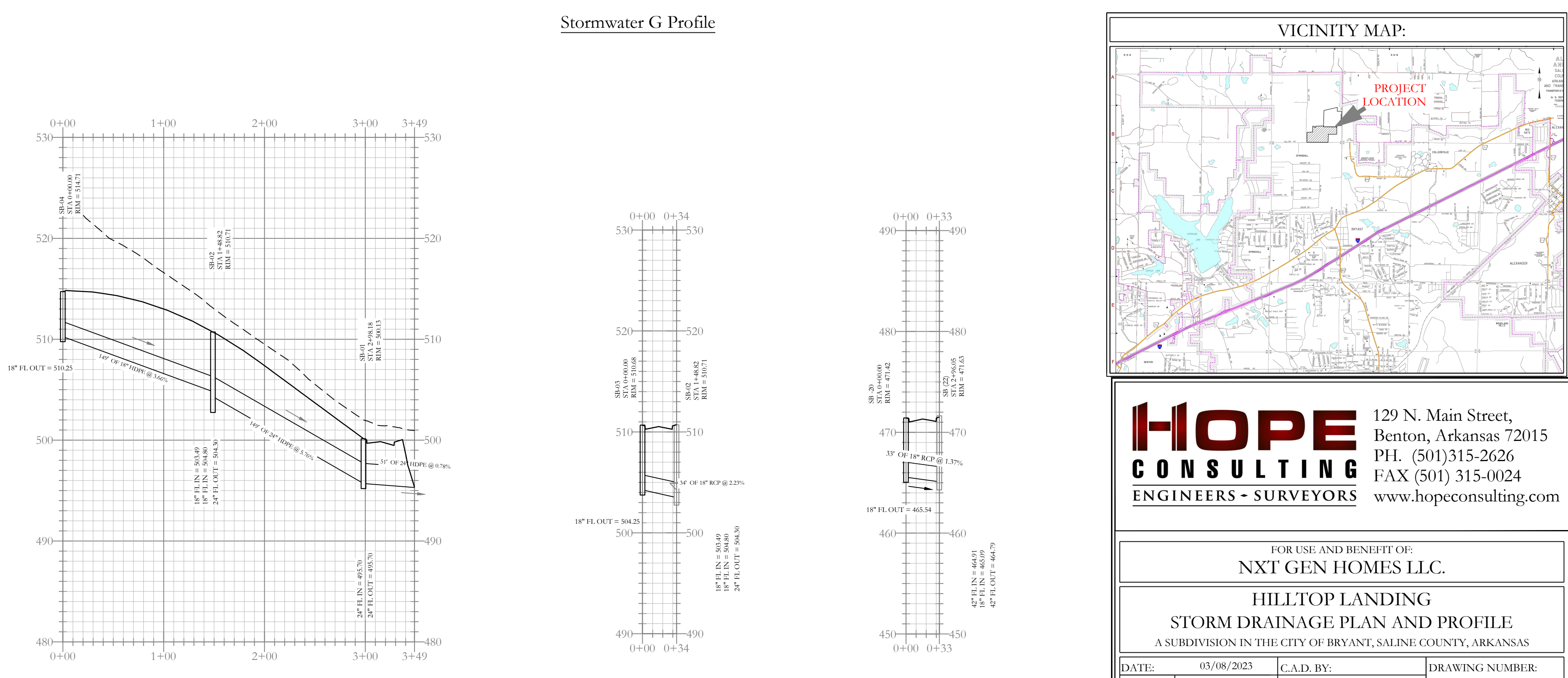
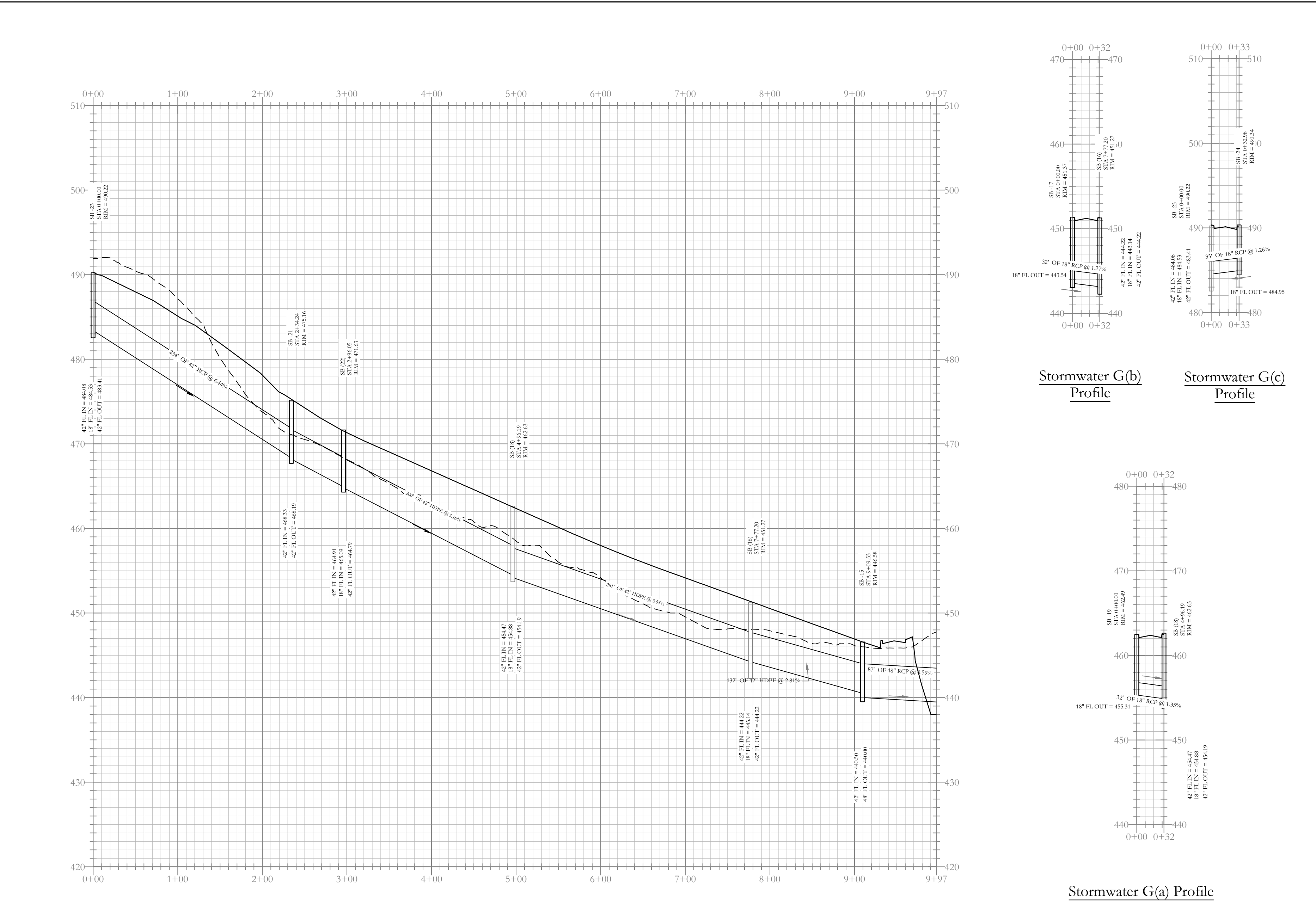
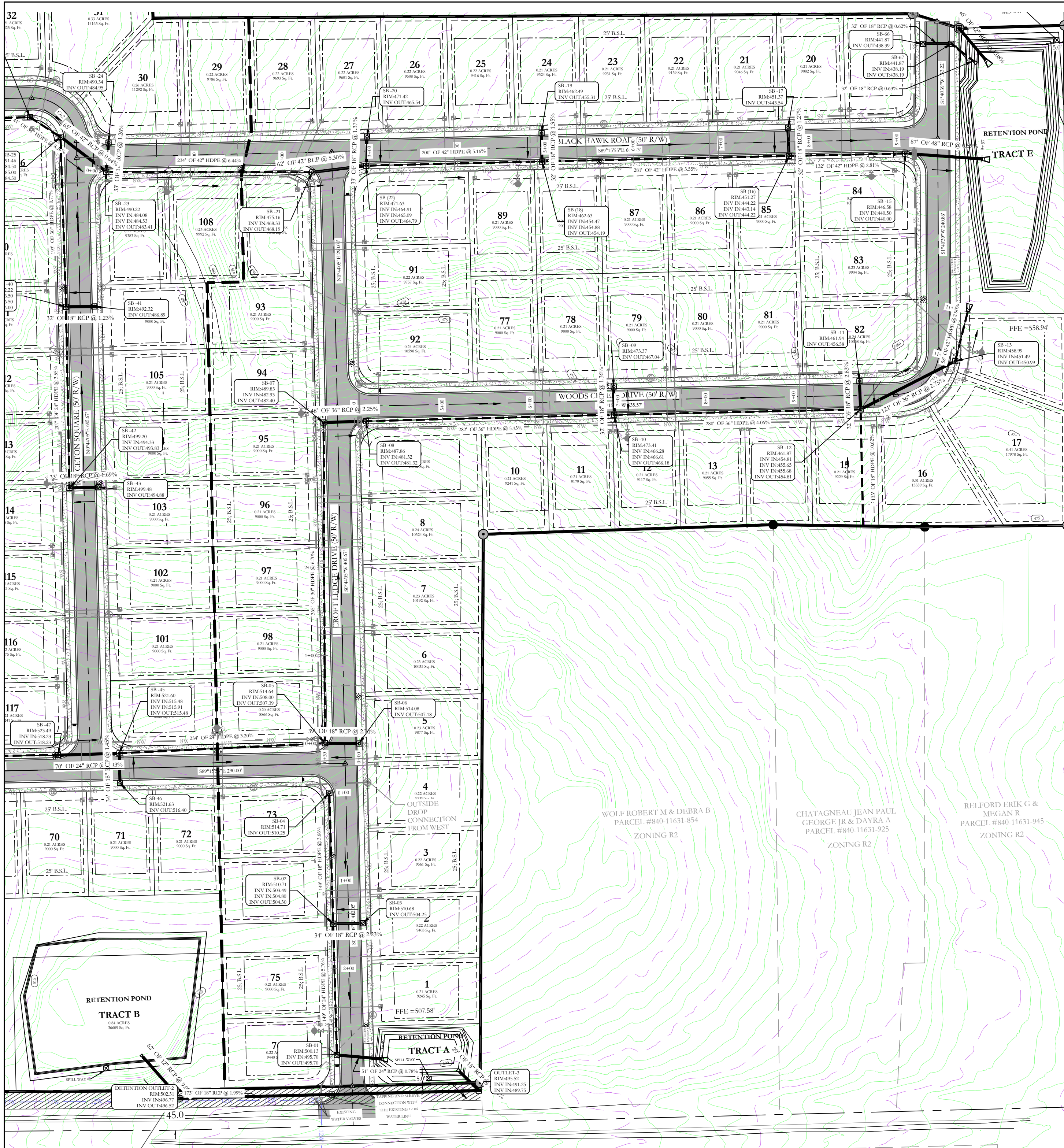
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 STORM DRAINAGE PLAN AND PROFILE  
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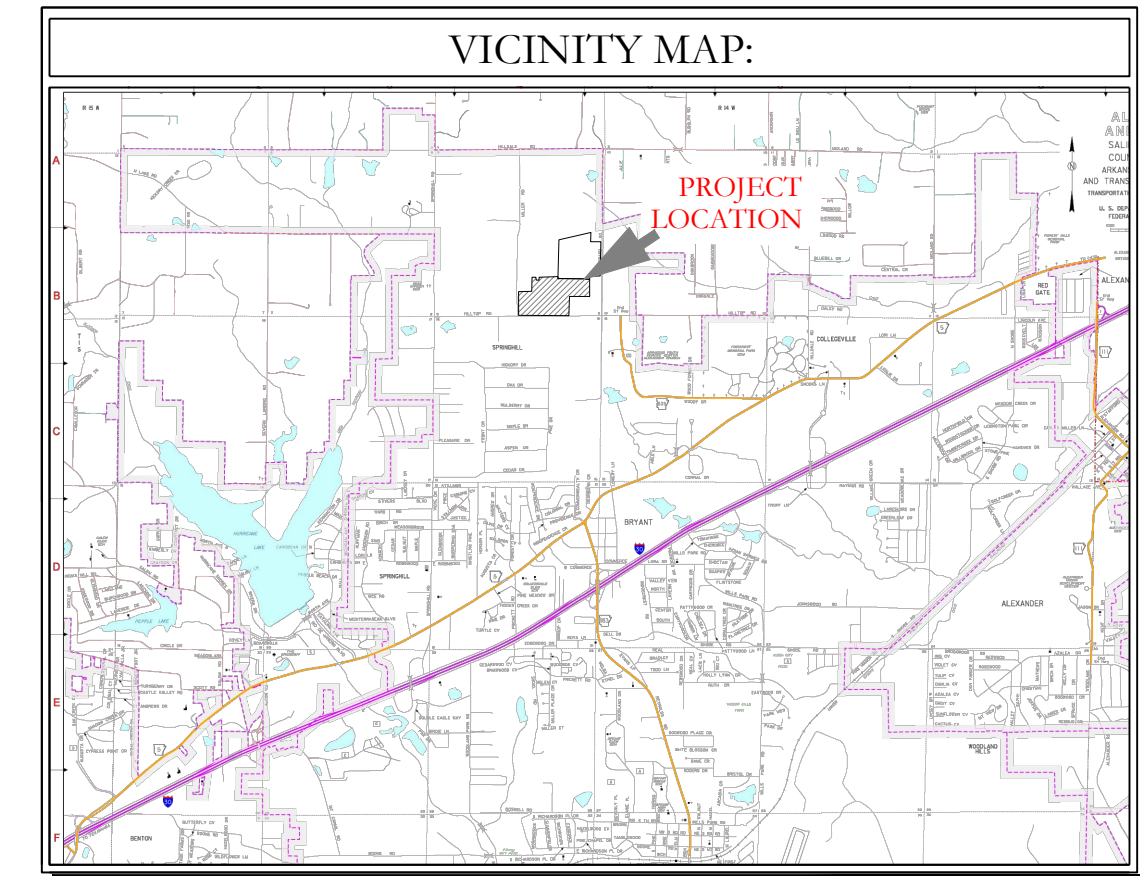
BASIS OF BEARING:  
 GRID NORTH, ARKANSAS  
 COORDINATE SYSTEM, SOUTH ZONE  
 BY GPS OBSERVATION

STATE OF ARKANSAS  
 LICENSED PROFESSIONAL ENGINEER  
 No. 20876  
 AMZIDUL ISLAM

CERTIFICATE OF AUTHORIZATION  
 HOPE CONSULTING, INC.  
 No. 1991

HDPE  
 RCP

80 40 0 80



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 ENGINEERS - SURVEYORS

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FOR USE AND BENEFIT OF:  
**NXT GEN HOMES LLC.**

**HILLTOP LANDING**  
 STORM DRAINAGE PLAN AND PROFILE  
 A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS

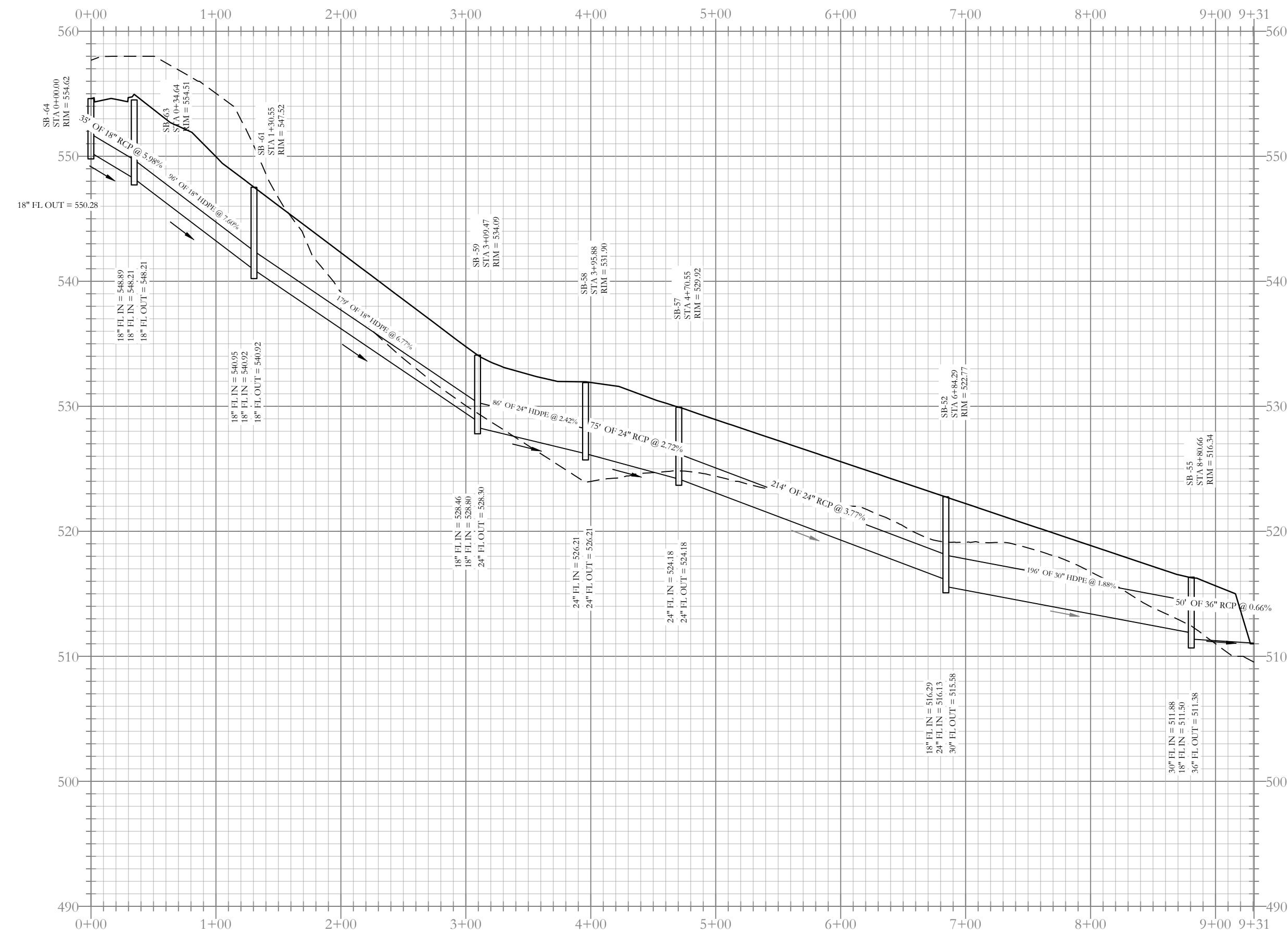
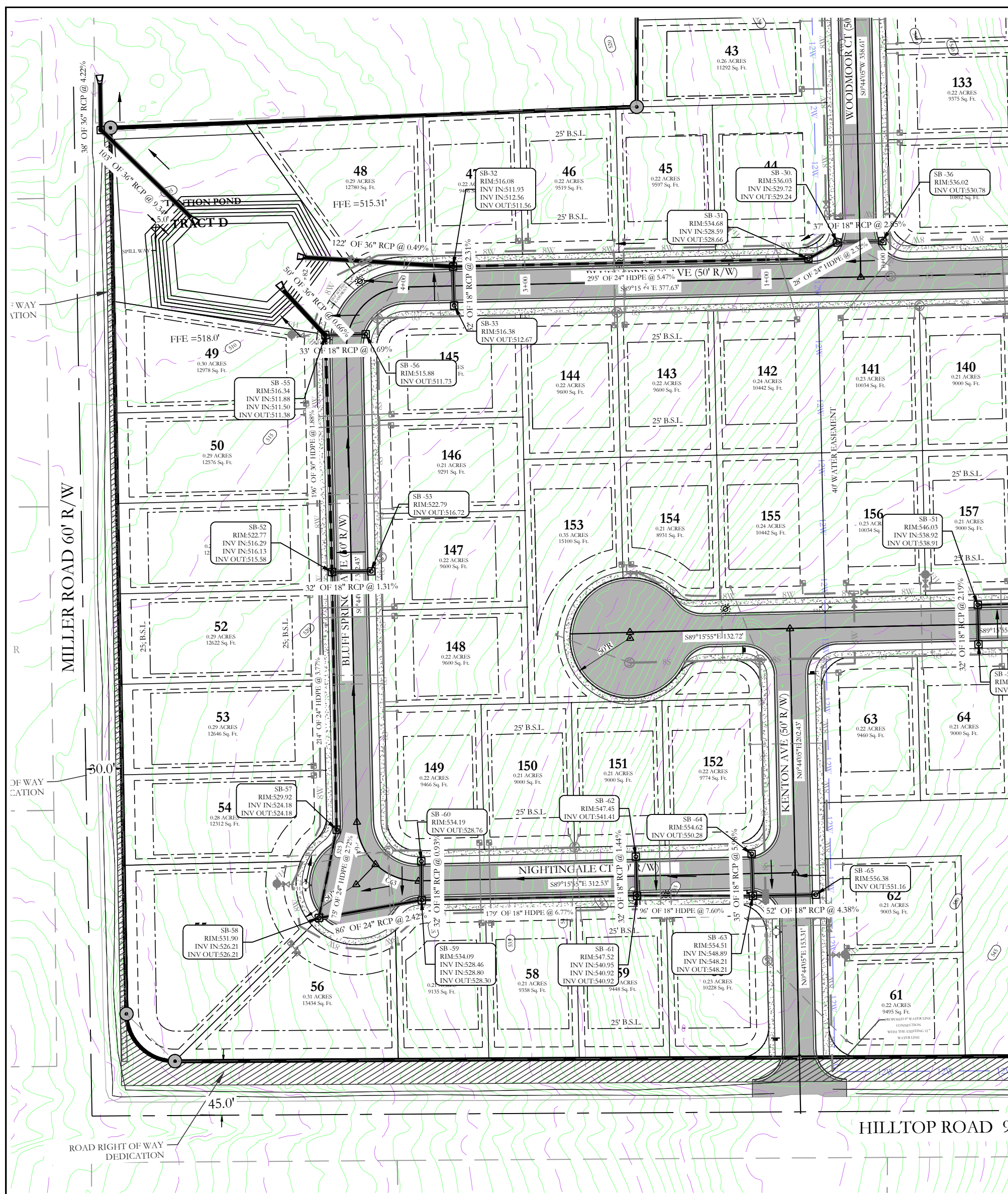
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REVISED: 06/07/2023	CHECKED BY:	<b>20-1341</b>
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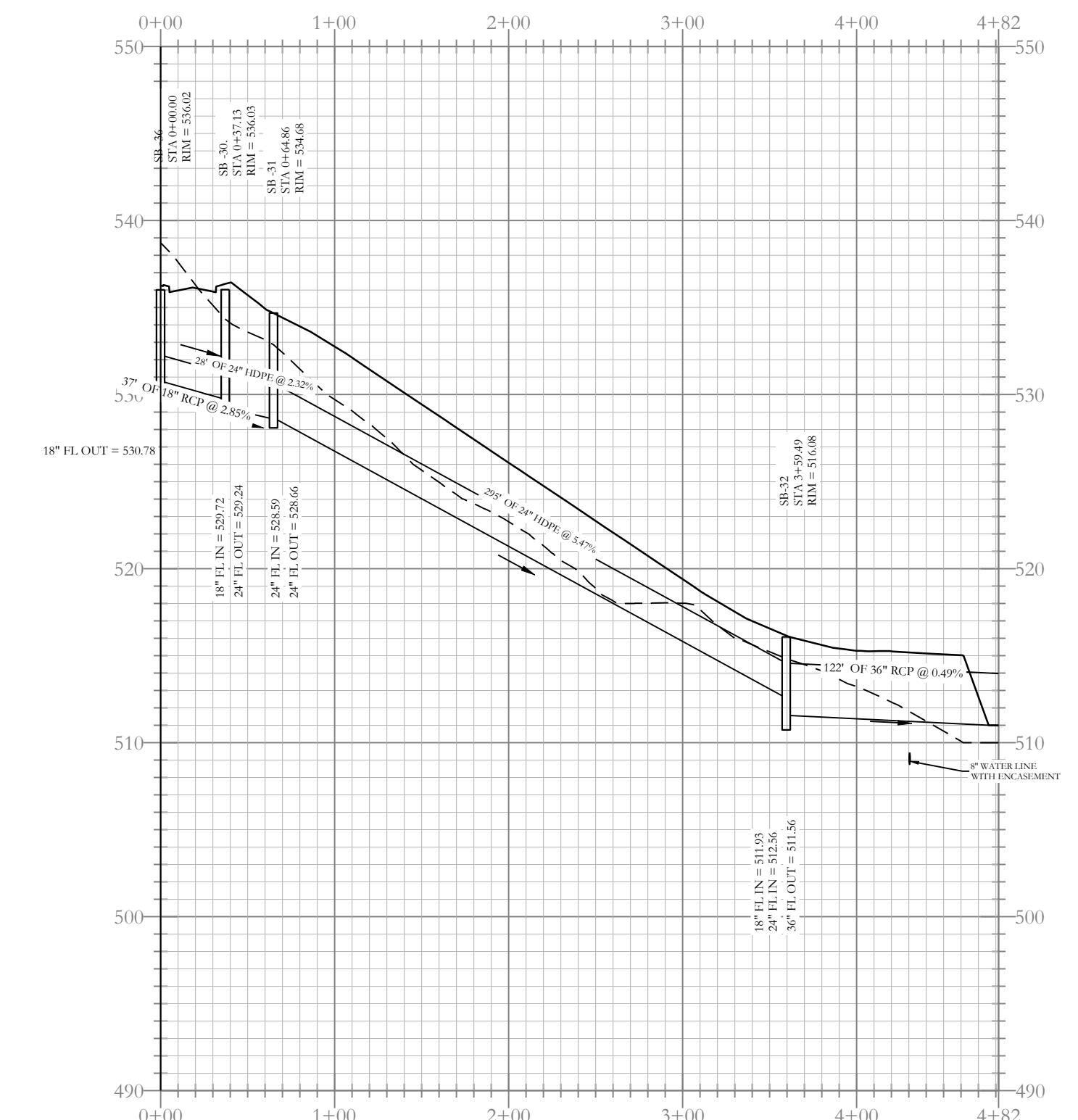








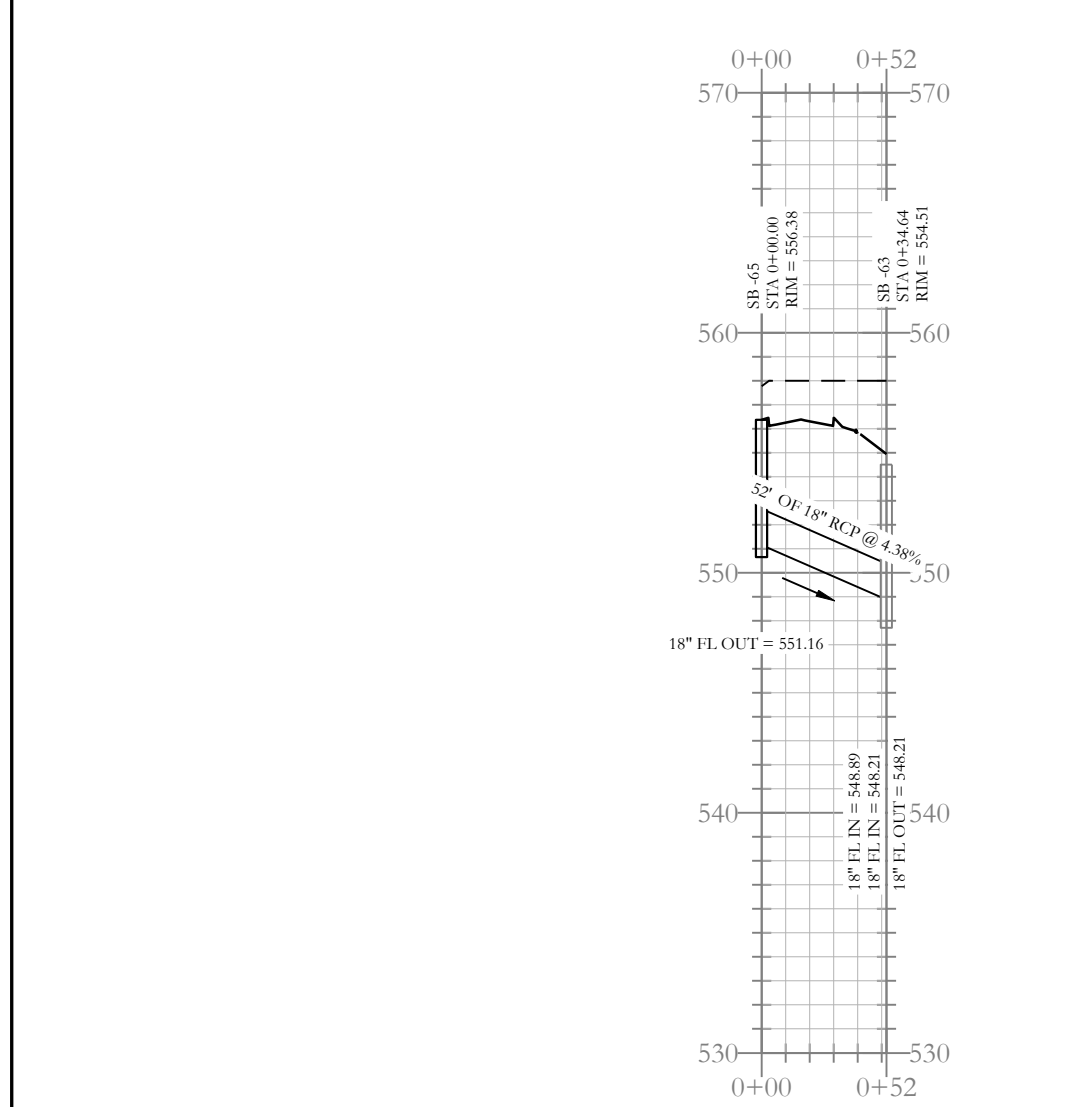
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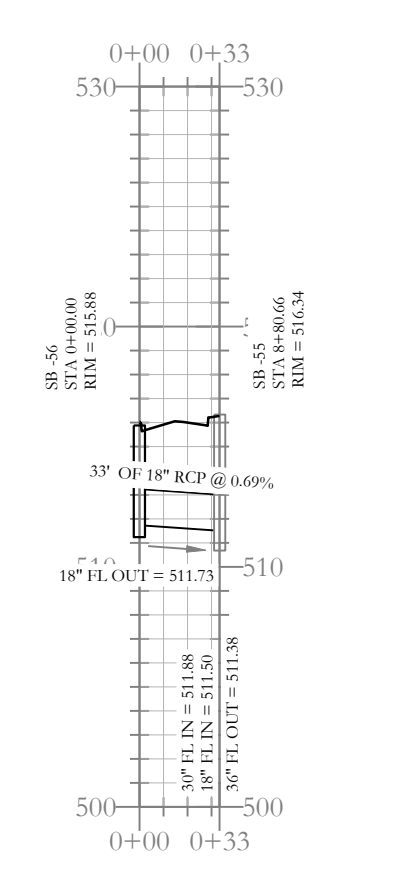
Stormwater B Profile



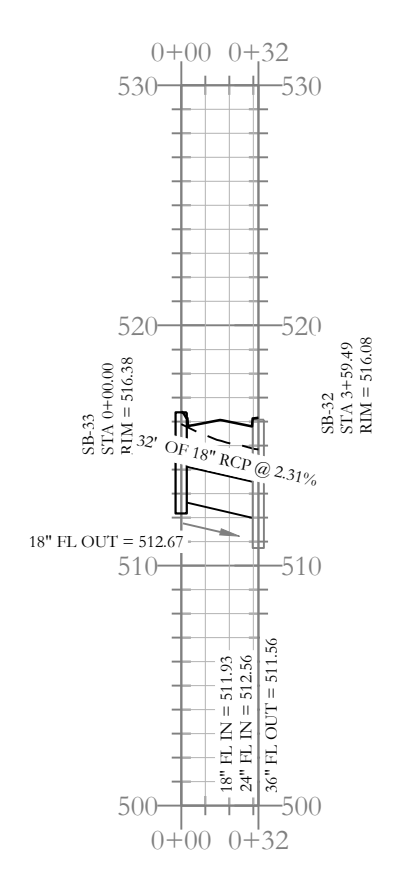
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 — RCP



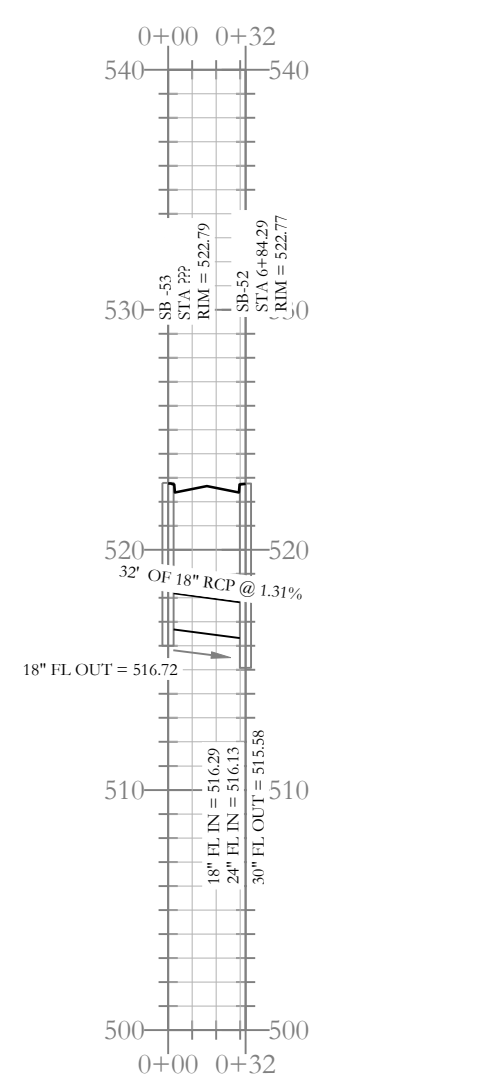
Stormwater Entrance-2 Profile



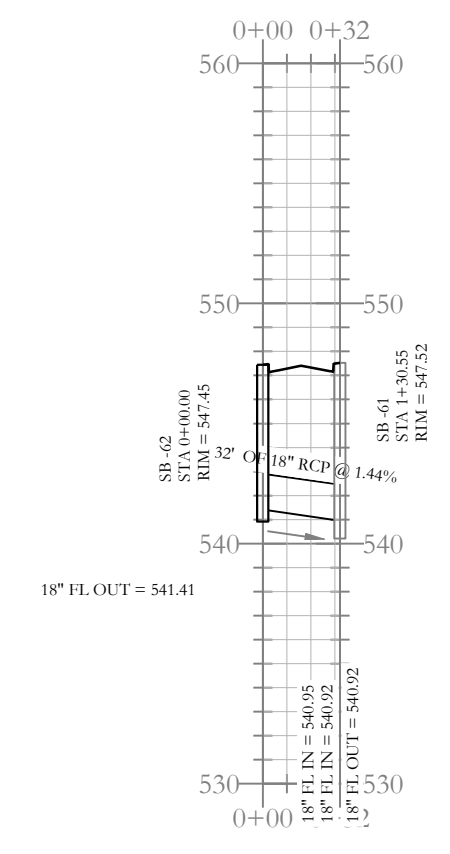
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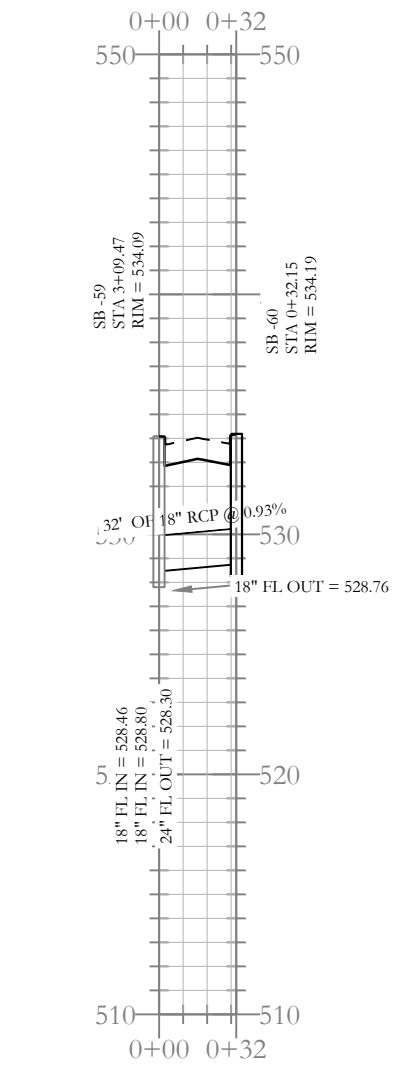
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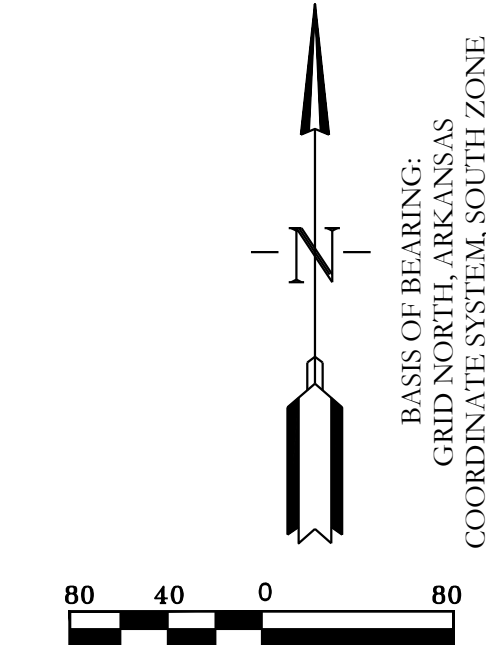
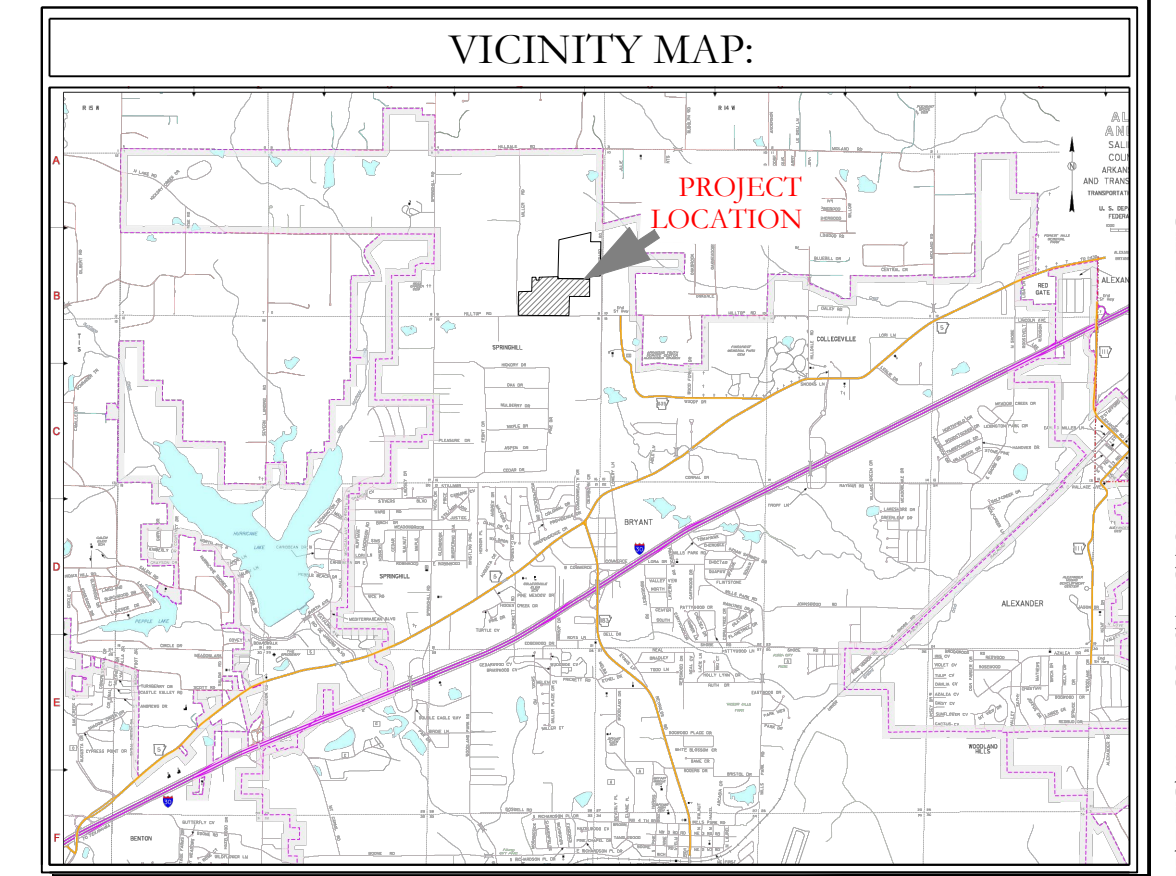
Stormwater E-c Profile



Stormwater E-d Profile



Stormwater E-e Profile

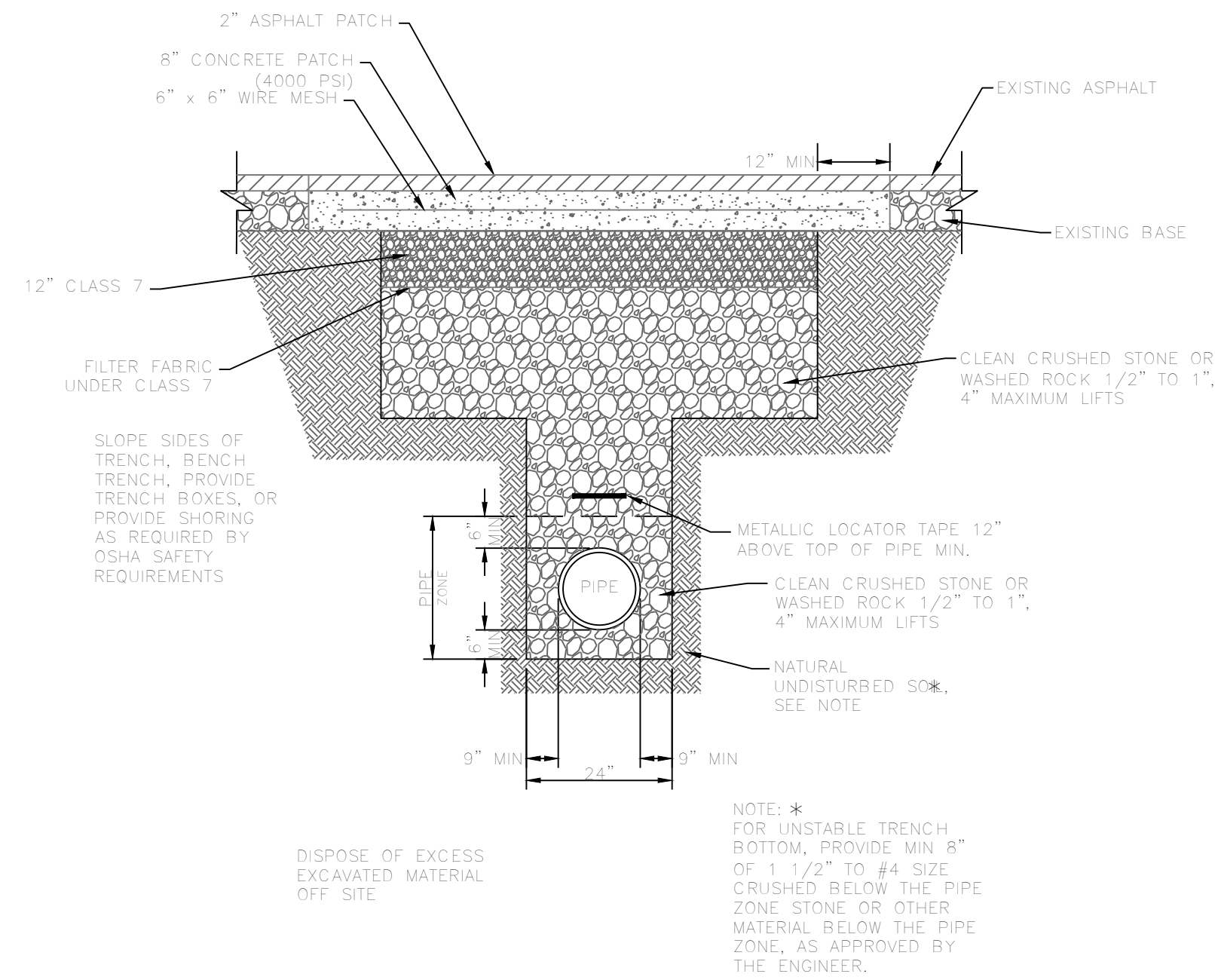


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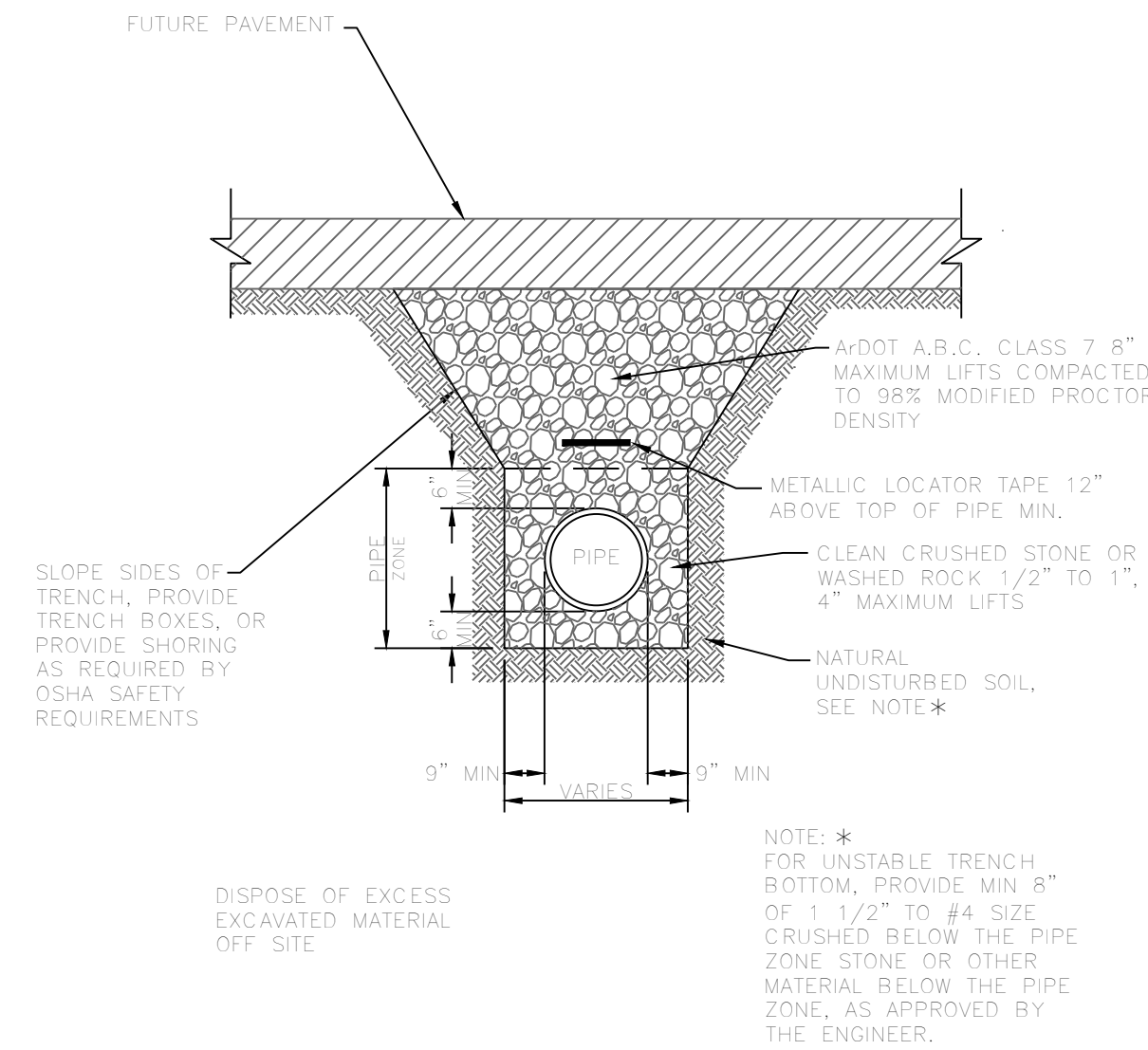
FOR USE AND BENEFIT OF: <b>NXT GEN HOMES LLC.</b>			
<b>HILLTOP LANDING</b> STORM DRAINAGE PLAN AND PROFILE A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS			
DATE: 03/08/2023	C.A.D. BY:	DRAWING NUMBER:	
REVISION: 06/07/2023	CHECKED BY:	<b>20-1341</b>	
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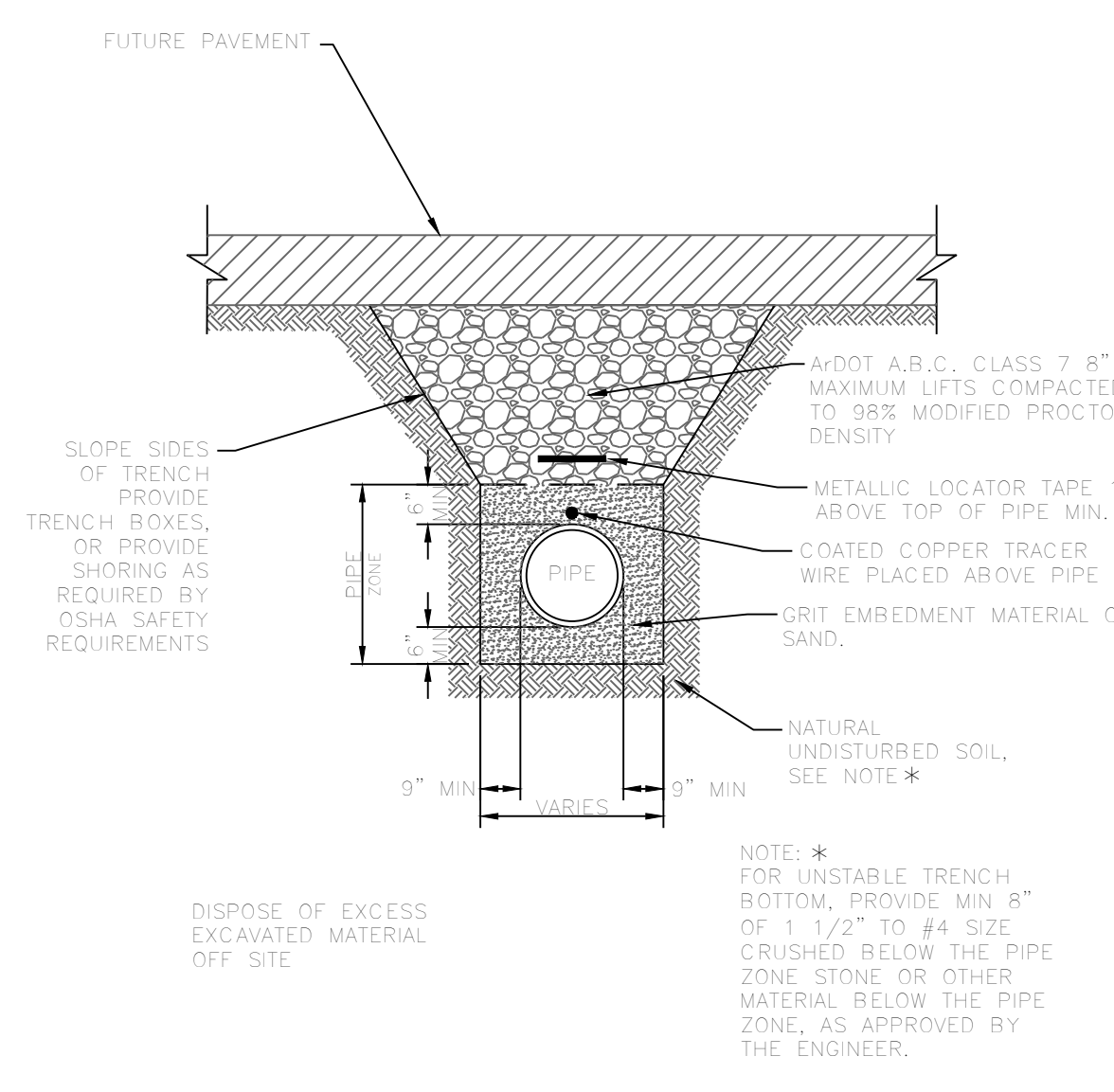




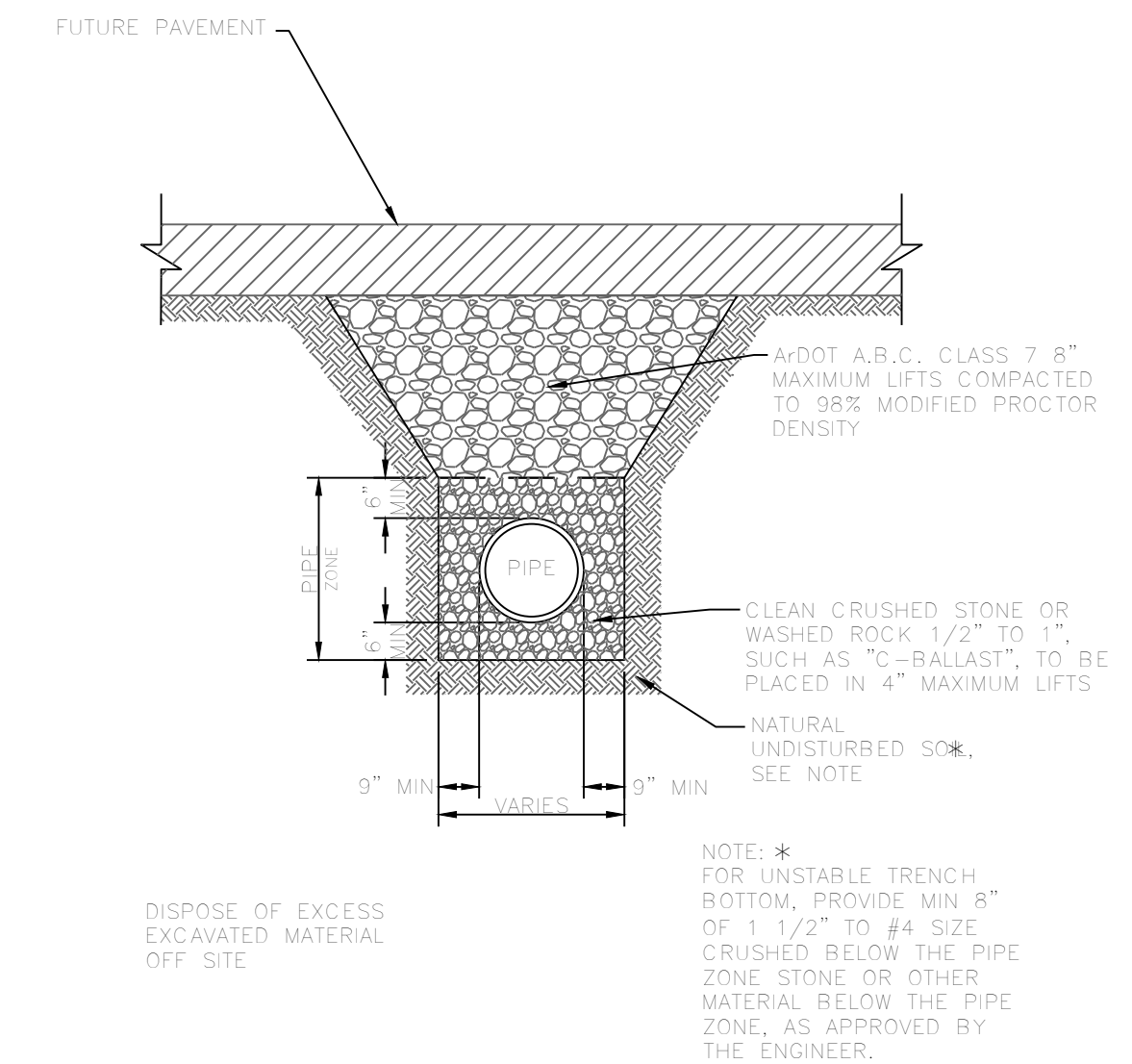
**PVC SEWER TRENCH UNDER EXISTING ASPHALT STREET**  
N.T.S.



**PVC SEWER TRENCH UNDER FUTURE ASPHALT STREET**  
N.T.S.



**PVC WATER LINE TRENCH UNDER FUTURE ASPHALT STREET**  
N.T.S.

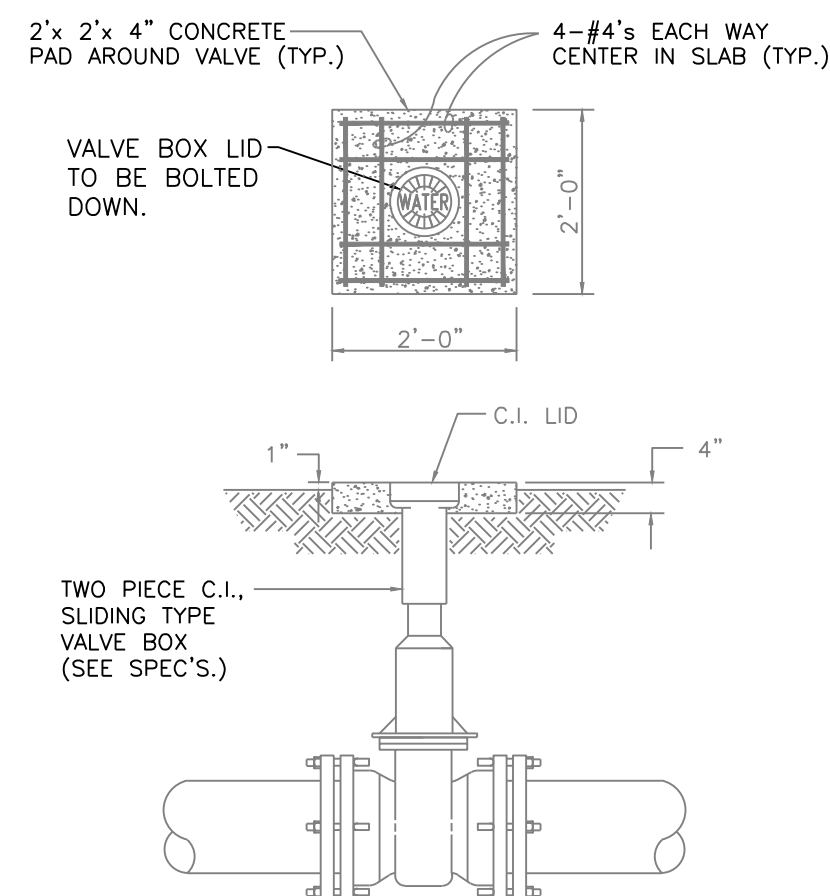


**DRAINAGE PIPE TRENCH UNDER FUTURE ASPHALT STREET**  
N.T.S.

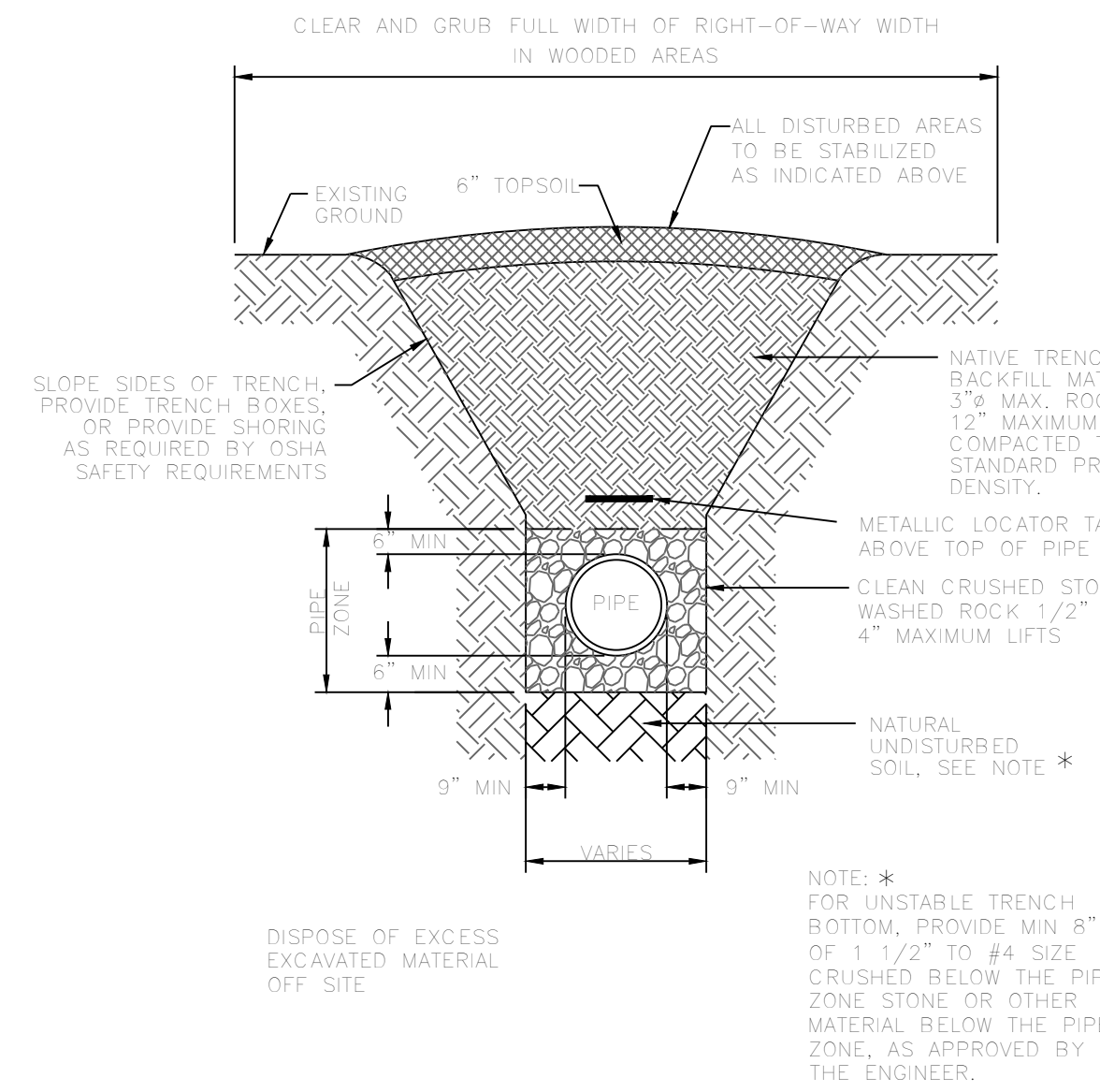
**SOIL STABILIZATION REQUIREMENTS:**  
1. IN LAWN AREAS, DISTURBED SOIL SHALL BE STABILIZED BY PLACEMENT OF SOD TO MATCH EXISTING.  
2. IN FIELDS OR WOODED AREAS, DISTURBED SOIL SHALL BE STABILIZED BY SEEDING.

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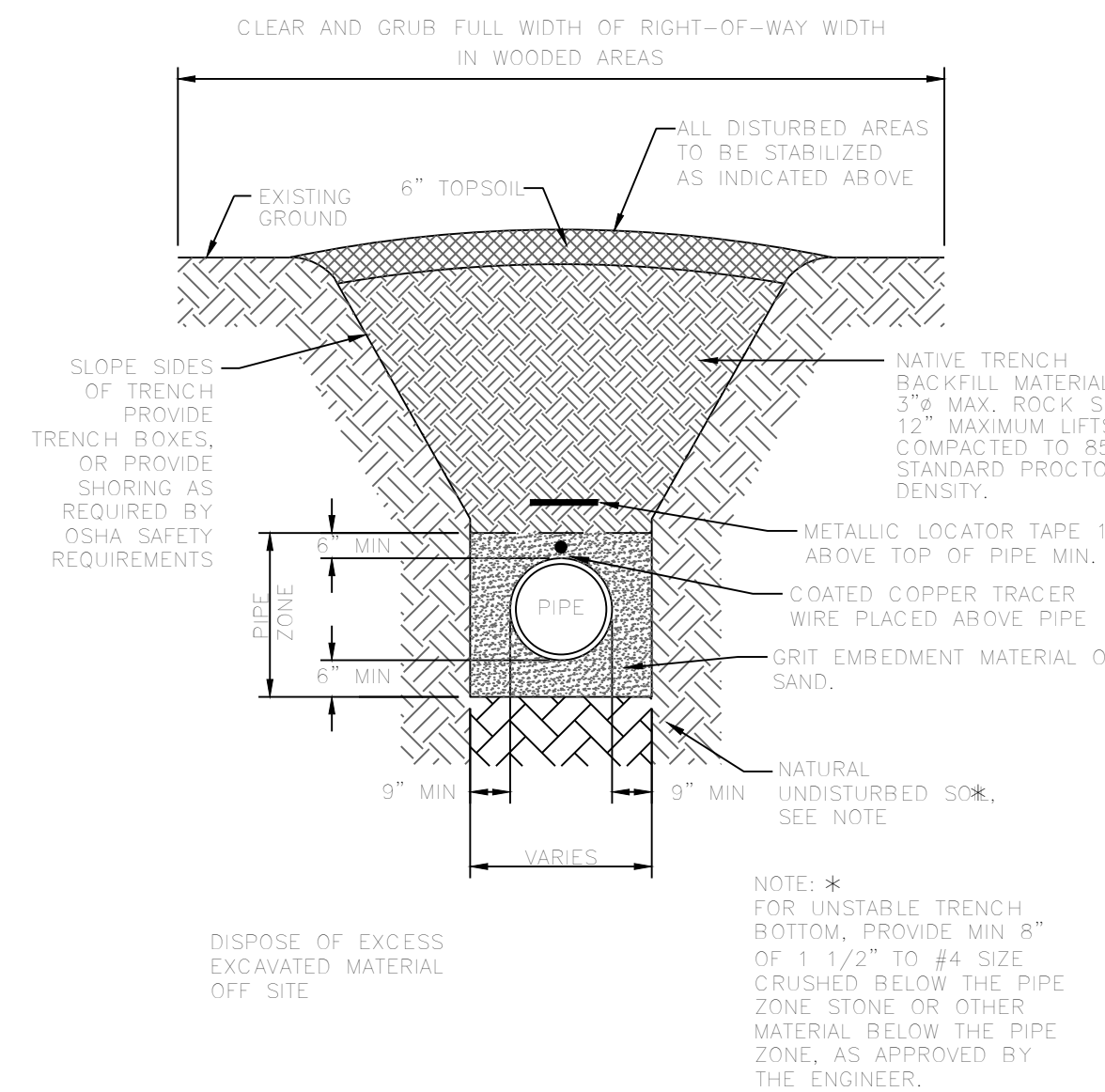
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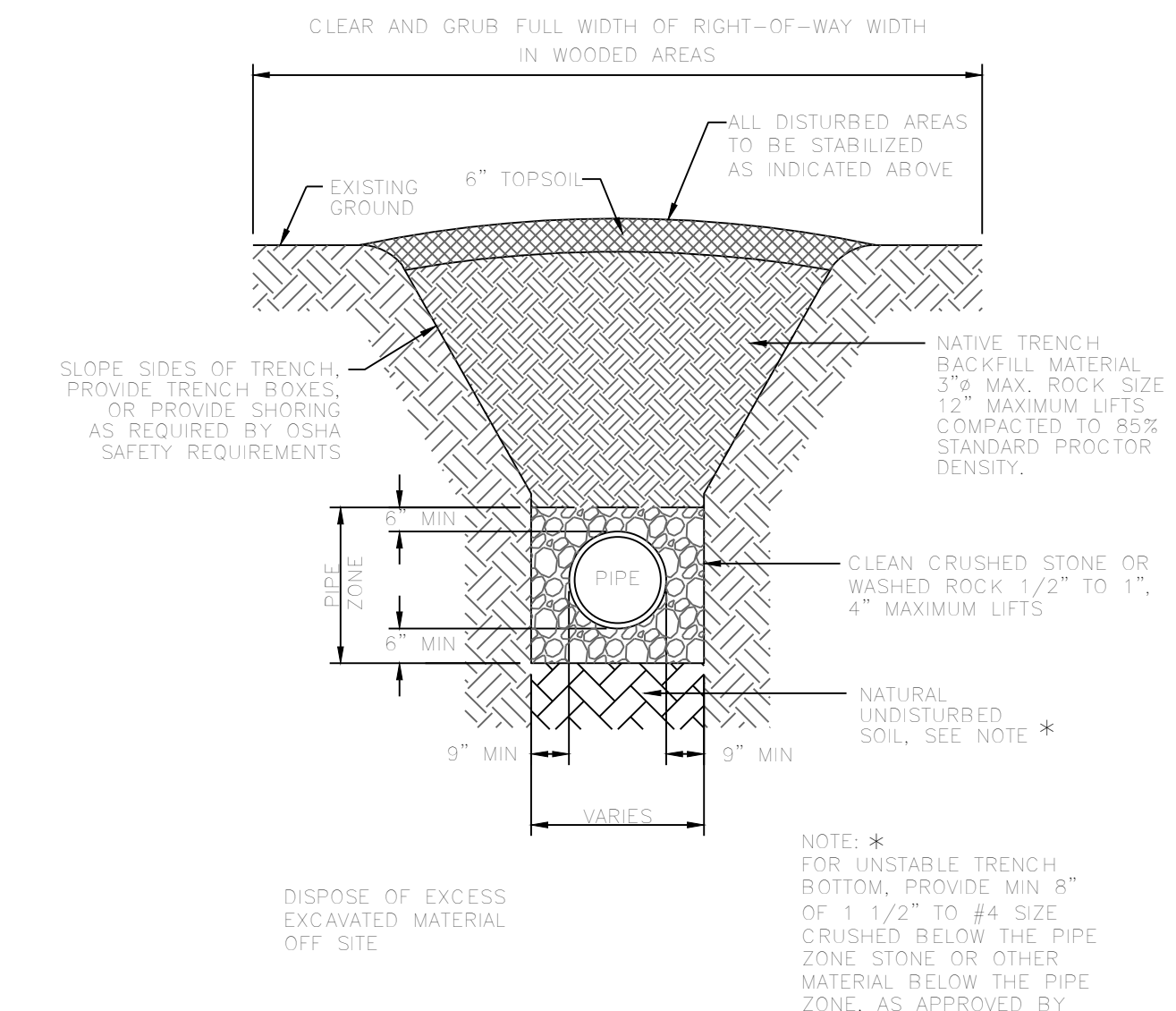
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N.T.S.



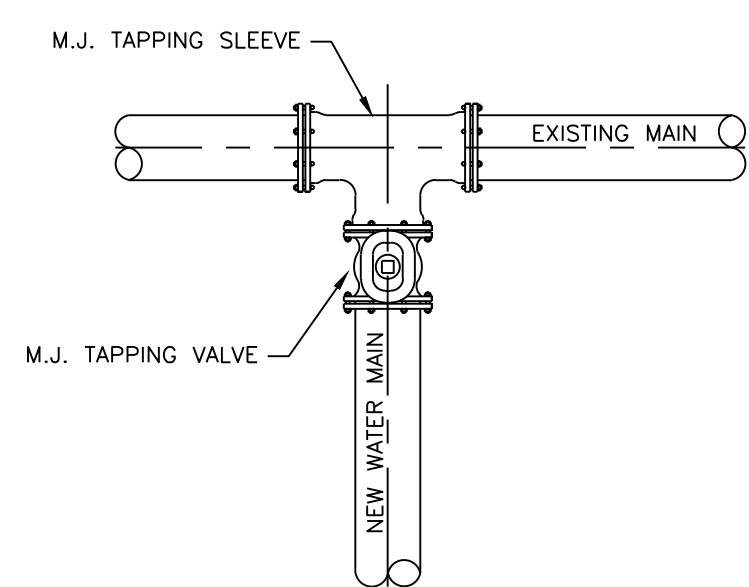
**PVC SEWER TRENCH IN UNPAVED AREAS**  
N.T.S.



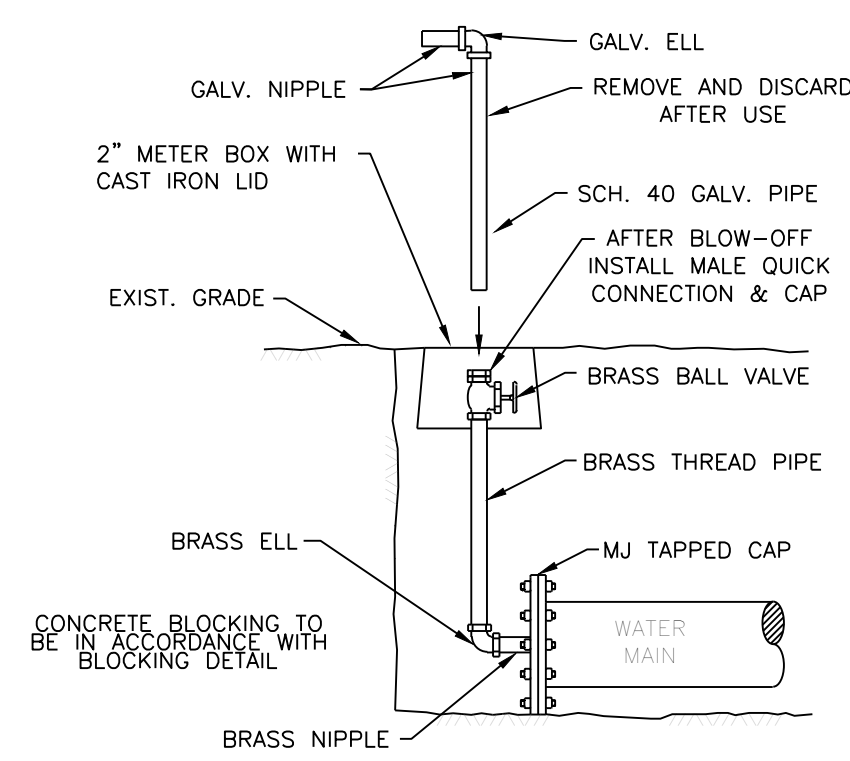
**PVC WATER LINE TRENCH IN UNPAVED AREAS**  
N.T.S.



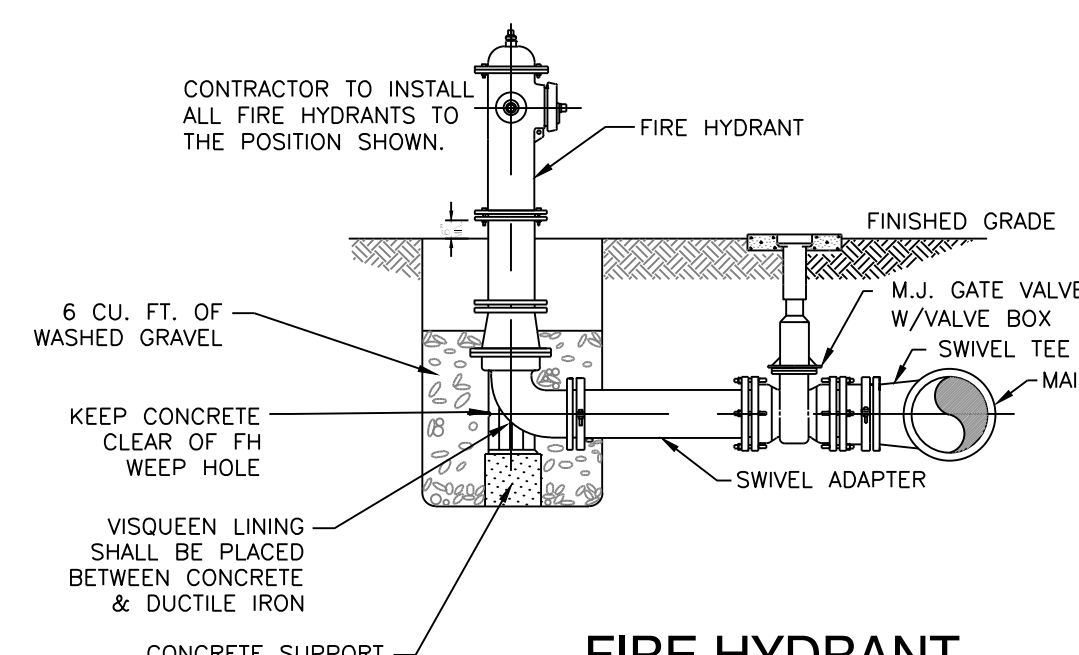
**DRAINAGE PIPES IN UNPAVED AREAS**  
N.T.S.



**WATER MAIN CONNECTION DETAIL**  
N.T.S.



**2" BLOW-OFF RISER**  
N.T.S.



**FIRE HYDRANT CONNECTION**  
N.T.S.

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FOR USE AND BENEFIT OF: <b>NXT GEN HOMES LLC.</b>			
<b>HILLTOP LANDING TRENCH DETAILS</b>			
A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS			
DATE: 03/08/2023	C.A.D. BY:	DRAWING NUMBER:	
REVISED: 06/07/2023	CHECKED BY:	<b>20-1341</b>	
SHEET: C-4.0	SCALE: 1" = 20'		
500	01S	14W	0 09 200 62 1762



**SPECIFICATIONS**

**SUBGRADE MATERIAL**

- A. Subgrade soils shall be all materials used for subgrade including in-situ materials and fill materials.
- B. Subgrades for pavement shall be stabilized by mechanical compaction. Stabilization methods such as fabrics and chemical stabilization may be submitted for approval when supported by engineering data and calculations to substantiate the adequacy of the stabilized procedure.
- C. Subgrade shall be compacted to 95 percent modified proctor density minimum. Moisture content shall be +/- 3% of optimum moisture unless otherwise supported by the site specific geotechnical data and approved by City.
- D. Subgrade shall be prepared in such a manner that the base course shall be placed on a firm foundation that is stable and free from soft spots, pumping, dust pockets, wheel ruts, or other defects.
- E. The top 24 inches of the subgrade shall be a material not susceptible to frost action unless modified with cement, lime or another method approved specifically by the City to resist frost action. Soils classified as A-4 and A-5 including sandy silts, fine silty sand or lean clays are highly susceptible to frost action.
- F. In-situ soils meeting the requirements outlined in these specifications may be utilized as subgrade material. In-situ soils used as subgrade shall be scarified to a minimum depth of 8-inches below finish subgrade, recompact and tested as described below. Fill material for subgrade shall be placed in lifts not to exceed 8-inches compacted depth.
- G. Methods and procedures for establishing the total depth of soil replacement and/or modification shall be as specified by the design engineer and geotechnical investigations. The adequacy of in-situ soils and fill materials as pavement subgrade shall be evaluated based upon the soils classification, liquid limit, and plasticity index.
- H. Soils with a liquid limit greater than 40, or a plasticity index greater than 15 shall be undercut and removed from the street section or improved by a design method of stabilization approved by the City.
- I. Quality control testing shall be as specified below.
- J. Undercut 24" of soil below finished street base course. Proof roll to verify stability.
- K. Backfill the undercut subgrade with Class 7 aggregate or soil meeting the requirements of this section and compact in lifts not exceeding 8".

**BASE COURSE**

- A. Base course material shall be crushed stone meeting the requirements of ArDOT Class 7 aggregate base course as specified in the latest edition of ArDOT Standard Specifications.
- B. Base course shall be compacted to 98 percent modified proctor density minimum. Moisture content shall be +/- 3% of optimum moisture.

**SURFACE COURSE**

- A. Surface course for flexible pavement designs shall utilize plant mix bituminous base and binder courses conforming to ArDOT Standard Specifications.

**CURB AND GUTTER**

- A. Curb and gutter shall be Portland Cement Concrete with a minimum 28-day compressive strength of 4,000 psi. Concrete shall be air-entrained with a maximum of 4-inch slump.
- B. Compaction requirements under curb and gutter shall conform to the requirements for street subgrade materials. Compaction requirements shall extend to a minimum of 1 foot behind the back of curb and gutter removing all soft spots and replacing with suitable material.
- C. Curb and gutter shall conform to the typical detail within these specifications or ArDOT Standard Roadway Drawing Details for curbing.
- D. Expansion joints shall be made with 1/2-inch preformed expansion joint filler of a non-extruding type. Expansion joints shall be placed at intervals not exceeding 195 feet, intersection radii, driveways, stationary structures, and sidewalks.
- E. Contraction joints shall be sawed or fromed at intervals not greater than 20 feet. Depth of saw-cut shall be 1 1/2-inch and have a width of 1/4-inch. Contraction joints shall be sealed in accordance with ArDOT Standard Specifications.
- F. Forms shall be made of metal or wood and shall be properly braced. The minimum length of each section of form used shall be 10 feet. Each section of form shall be uniform and free from undesirable bends or warps. Forms shall be of such cross section and strength and so secured as to resist the pressure of the impact and vibration on any equipment which they support without springing or settlement.
- G. Curb and gutter placed with slip form or extruding equipment will be acceptable providing it complies with all of the above requirements.
- H. After curing, the curb shall be immediately backfilled to within 4 inches of the top curb to eliminate the possibility of washing beneath the curb. The remaining 4 inches shall be topsoil.
- I. Cold weather protection shall meet the requirements of the latest edition of ArDOT Standard Specifications.

**SIDEWALKS**

**General**

- A. Sidewalks shall be Portland Cement Concrete with a minimum 28-day compressive strength of 4,000 psi.
- B. Sidewalks shall be on both sides of streets in line with sidewalks on opposite corners of roads.
- C. All sidewalks including ramps shall meet all current Federal Americans with Disabilities (ADA) design guidelines or requirements.
- D. Traverse slopes shall not exceed 2 percent.
- E. Subgrade under sidewalks shall be compacted to 90 percent modified proctor density minimum.
- F. Sidewalks shall not be placed upon grassy or organic materials.
- G. Sidewalks which extend or link existing sidewalks shall adjoin the existing sidewalks to form a continuous, even pathway.
- H. Utility poles, utility boxes, mailboxes, fire hydrants, and other similar obstructions shall not be located in sidewalks. Sidewalk location may vary at the discretion of the City to avoid such obstacles.
- I. All sidewalk ramps shall meet ADA requirements with corrugated dome ramp requirements.

**Minimum thickness and reinforcement**

- A. Sidewalks shall have a minimum thickness of 4 inches.
- B. Sidewalks shall be reinforced, at a minimum, with woven wire fabric reinforcement.

**Contraction and expansion joints**

- A. Contraction joints shall be provided perpendicular to the sidewalk at intervals equal to the sidewalk width.
- B. Expansion joints shall be constructed perpendicular to the sidewalk at intervals equal to five times the sidewalk width. Expansion joints shall be made with 1/2-inch preformed expansion joint filler of a non-extruding type. Expansion joints shall be placed at driveways, drop inlets, and curbs.

**Quality control testing and inspection by the City**

- A. Subgrade and formwork for sidewalks shall be inspected by the City prior to pouring of the sidewalk.
- B. All testing of materials and construction shall be provided and paid for by the Developer/Owner.
- C. All field tests required for a project shall be witnessed by the City, contractor, or their authorized representatives.
- D. All testing shall be accomplished by a testing firm approved by the City and shall be performed under the supervision of a licensed Professional Engineer.
- E. Sampling and testing locations shall be subject to approval by the City.
- F. Density tests on subgrades shall be taken every 300 feet or portion thereof.
- G. The City shall be notified at least one day in advance of the need to inspect subgrade and formwork of sidewalks.

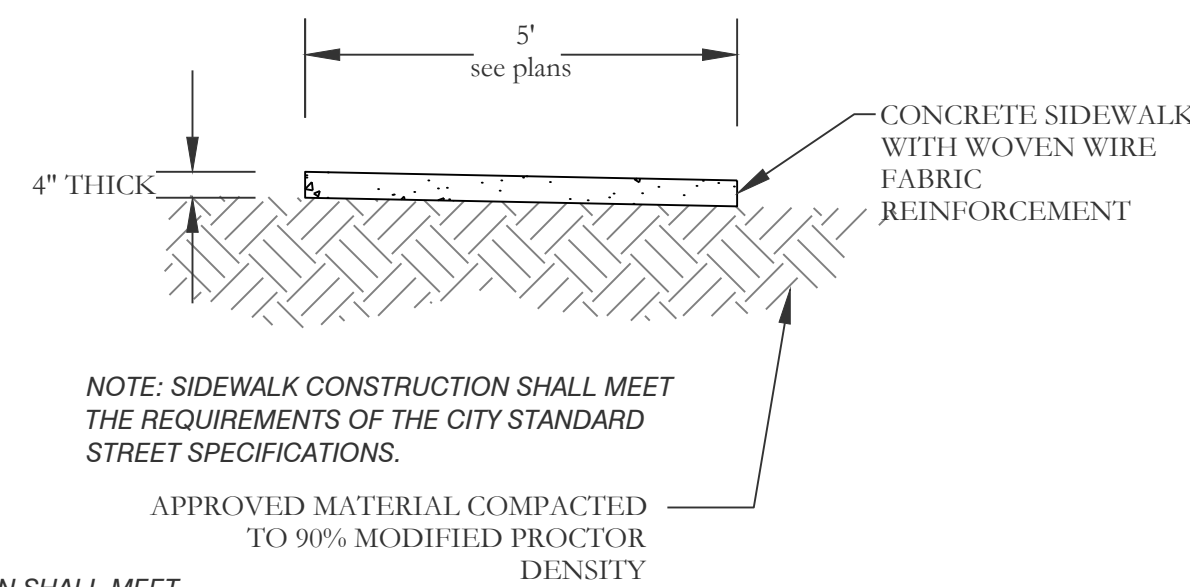
**Subgrade**

- A. Subgrade soils shall be all materials used for subgrade including in-situ materials and fill materials.
- B. Subgrade shall be compacted to 90 percent modified proctor density minimum. Moisture content shall be +/- 3% of optimum moisture unless otherwise supported by the site specific geotechnical data and approved by City.
- C. Subgrade shall be prepared in such a manner that the base course shall be placed on a firm foundation that is stable and free from soft spots, pumping, dust pockets, wheel ruts, or other defects.
- D. The top 24 inches of the subgrade shall be a material not susceptible to frost action unless modified with cement, lime or another method approved specifically by the City to resist frost action. Soils classified as A-4 and A-5 including sandy silts, fine silty sand or lean clays are highly susceptible to frost action.

**QUALITY CONTROL TESTING AND INSPECTIONS**

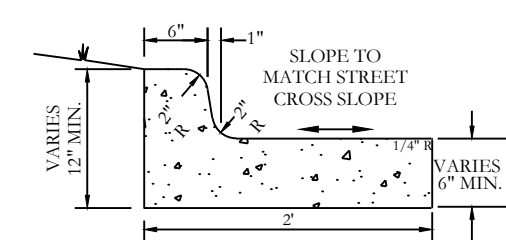
**General**

- A. Materials and construction employed in street improvements shall be subject to inspection and quality control testing. All testing of materials and construction shall be provided and paid for by the Developer/Owner.
- B. The Developer/Owner shall provide for inspections of street improvements during construction. The inspections shall be accomplished under the supervision of the Engineer of Record. The Engineer of Record shall provide certification that all materials and construction conform to the approved plans and specifications and with these minimum street standards.
- C. The Engineer of Record shall furnish inspection whenever a critical construction activity is taking place. This means that a representative of the Engineer of Record must be on-site whenever a critical construction activity is taking place.
- D. All field tests required for a project shall be witnessed by the City, Engineer of Record, contractor, or other authorized representatives.
- E. The City shall be notified at least one day in advance of any test(s). It is the responsibility of the contractor to coordinate the scheduling of all tests with the City.



NOTE: SIDEWALK CONSTRUCTION SHALL MEET ADA REQUIREMENTS WITH CORRUGATED DOME RAMP REQUIREMENTS

## Typical Sidewalk Detail



STANDARD CURB & GUTTER  
NOT TO SCALE

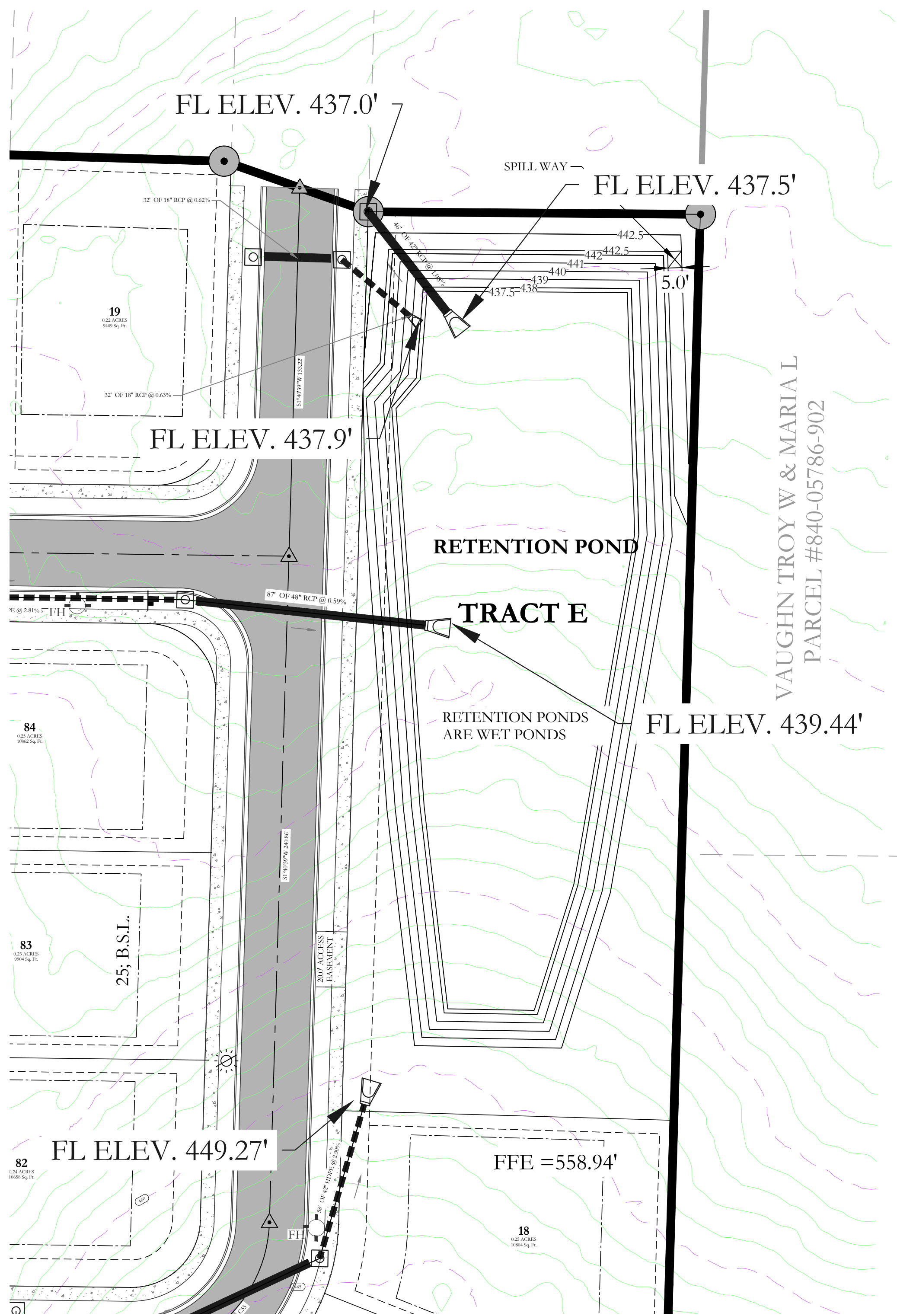
TYPICAL CURB DETAILS & NOTES  
NOT TO SCALE

## Typical Curb & Gutter Detail

4,000 psi concrete

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FOR USE AND BENEFIT OF: NXT GEN HOMES LLC.		
HILLTOP LANDING CIVIL SPECIFICATIONS A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS		
DATE: 03/08/2023	C.A.D. BY:	DRAWING NUMBER:
REVISED: 06/07/2023	CHECKED BY:	20-1341
SHEET: C-5.0	SCALE: 1" = 20"	
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### RETENTION POND-1

#### DETENTION POND MAINTENANCE PLAN

##### Background

The Retention ponds are located on the periphery of the subdivision. They are designed to temporarily detain stormwater to meet water quantity criteria before discharging off the property.

##### Routine Maintenance

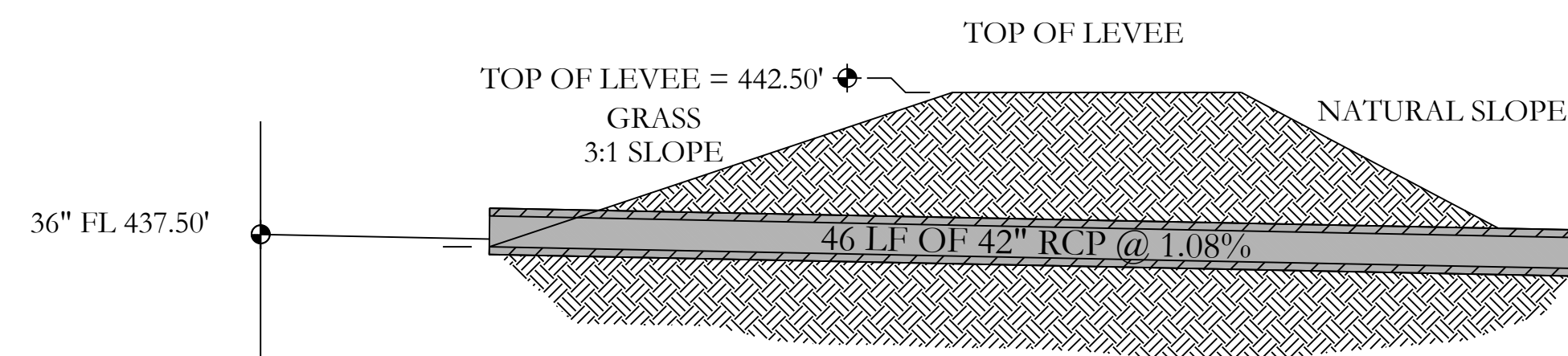
The property owners association will maintain the drainage easements located in Tract "B" and Tract "E". Routine maintenance will include but not be limited to:

- Mowing of the bank slopes and area around the pond on a monthly basis during the growing season and as needed during the cooler months.
- The outlet pipe from the pond and other areas will be inspected monthly for debris which could inhibit the proper flow of discharge. Any debris will be removed immediately and disposed of or placed in a location to prevent future maintenance and to not cause impact up or downstream of the structure.
- Trash will be removed from around the pond to prevent entering the pond. Generally, the site should be kept free of loose trash which could be carried off site by wind or rain.
- Inspect the pond and outlet pipe for non-routine maintenance need.

##### Periodic or Non-Routine Maintenance

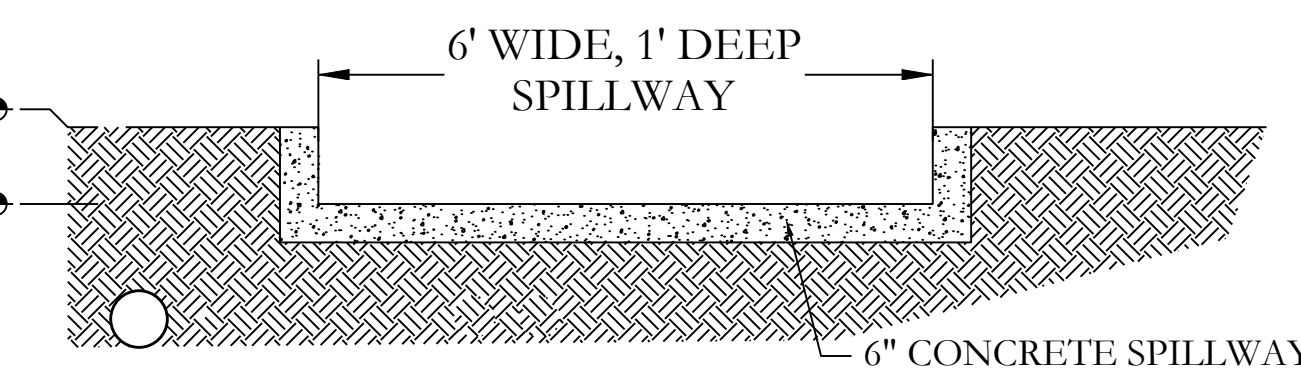
The routine inspection of the ponds areas and discharge pipes will identify needed repairs and non-routine maintenance. These items may include but not be limited to:

- Re-growth of trees on or around the pond bank. These should be cut and removed from the pond area.
- Sediment from the site may accumulate in the pond bottom and reduce the pond to below design volume requirements. The pond should be excavated if the pond bottom elevation reached a level that allows excessive aquatic growth or reduces the pond efficiency such, that the sediments are passing the discharge structure and release off site.
- Stabilization or re-grading of side slopes may be required periodically or after excessive rain events. Any disturbance of slopes should be reseeded or may require installation of erosion control materials until seeding can reestablish adequate grasses to prevent future erosion.
- Any other maintenance or repairs which would minimize other maintenance to the pond or outfall structures.

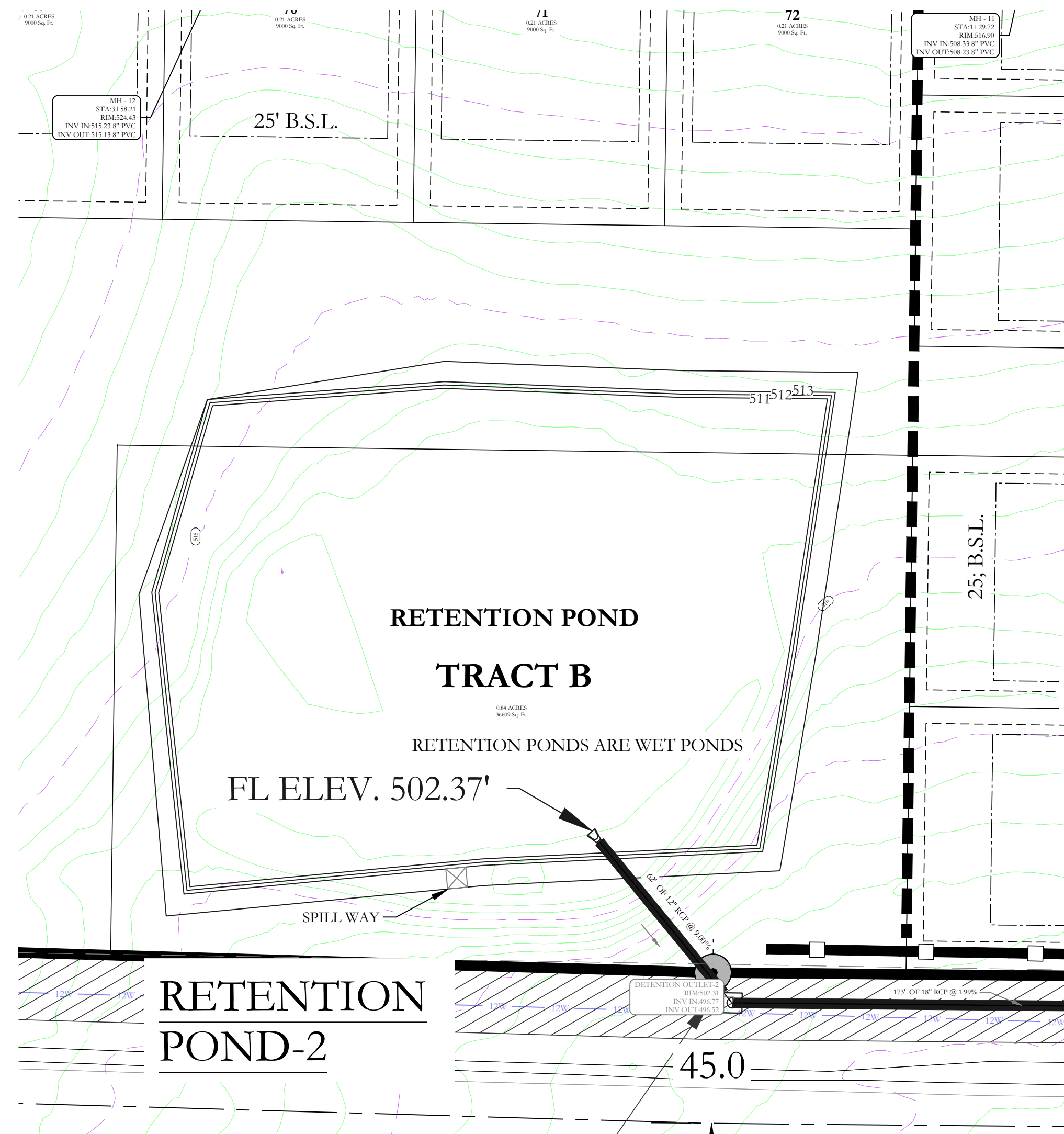


OUTLET SECTION  
NTS

### RETENTION POND-1



SPILLWAY END VIEW  
NTS

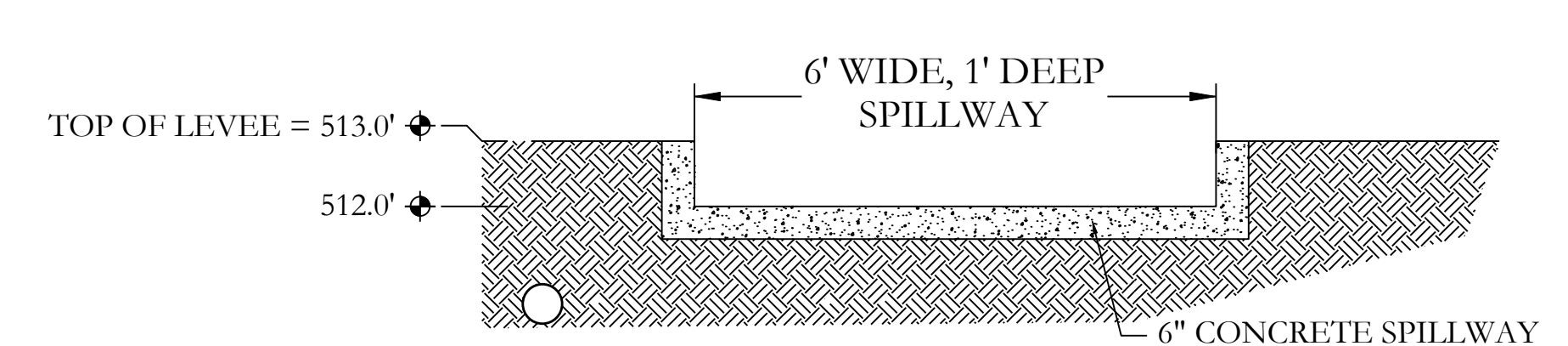


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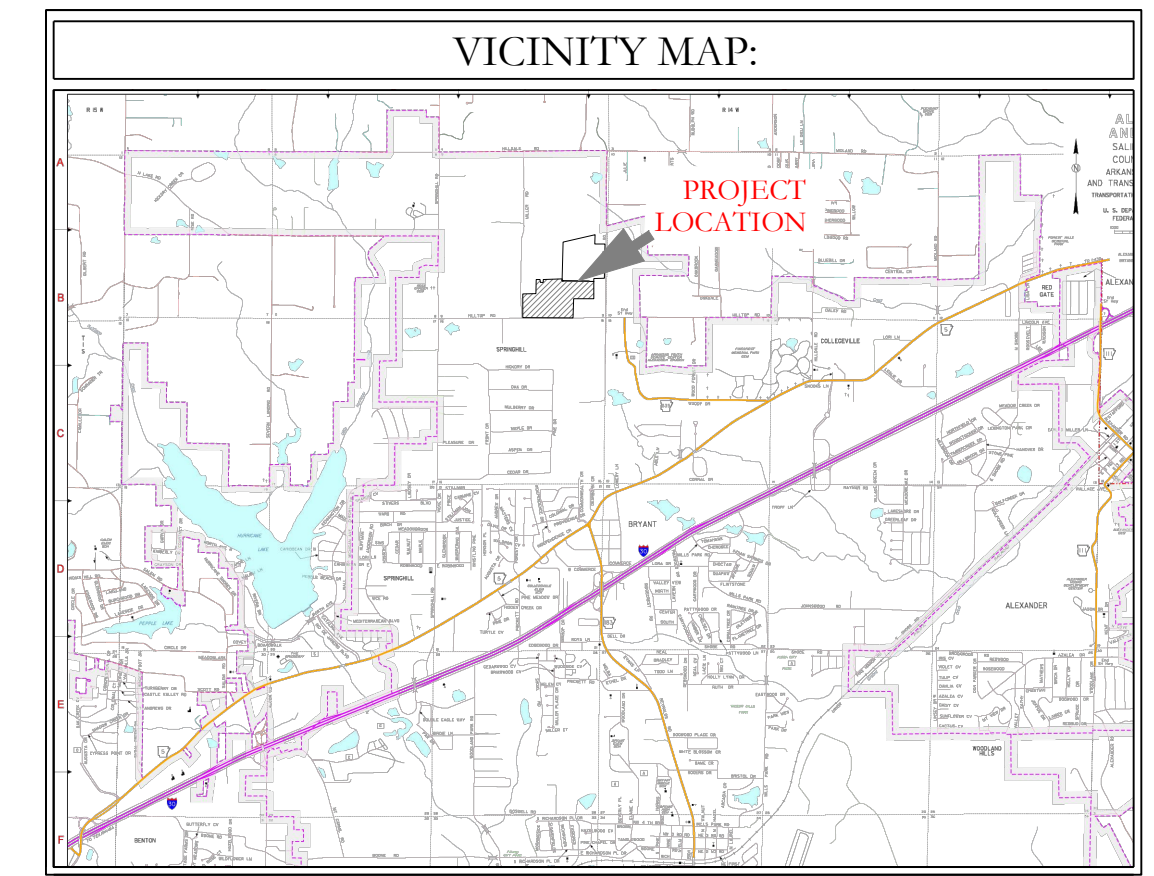


OUTLET SECTION  
NTS

### RETENTION POND -2



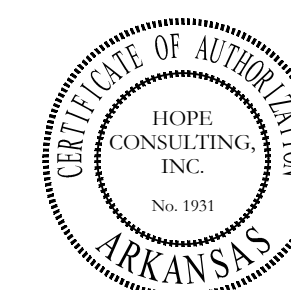
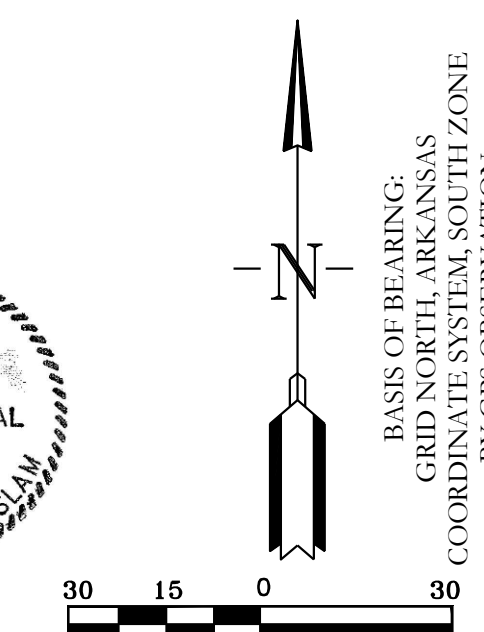
SPILLWAY END VIEW  
NTS



EARTHEN SLOPE NOTE:  
ALL EARTHEN RETENTION POND SLOPES ON BOTH THE INTERIOR AND EXTERIOR OF THE POND SHALL HAVE A MAXIMUM SLOPE OF 3:1.

NOTE:  
ALL RETENTION BASINS WILL BE REQUIRED TO BE STABILIZED WITH SOLID SOD STABILIZATION PER THE STORMWATER MANAGEMENT MANUAL.

TOP BANKS OF ALL RETENTION PONDS WILL BE 5' WIDE.

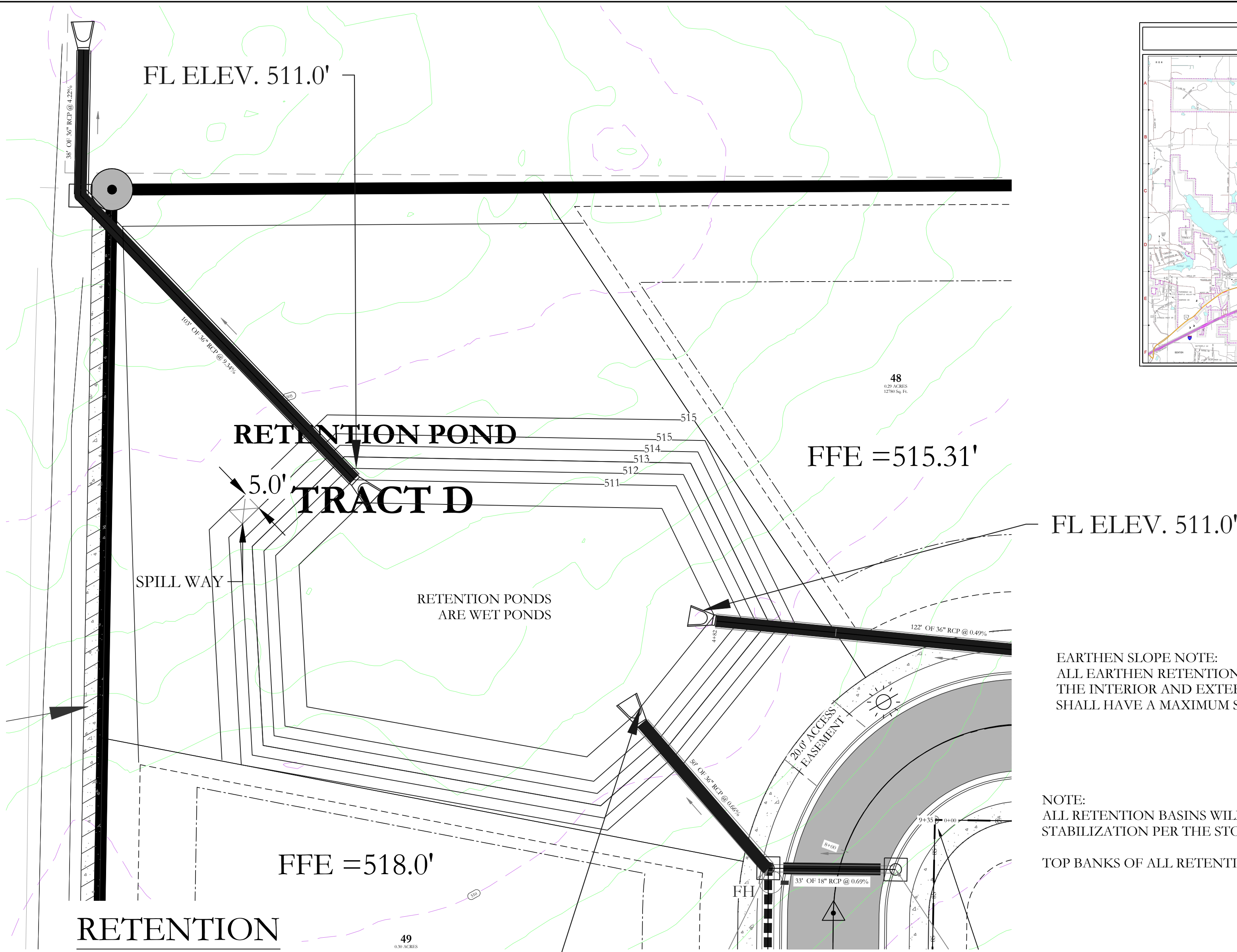
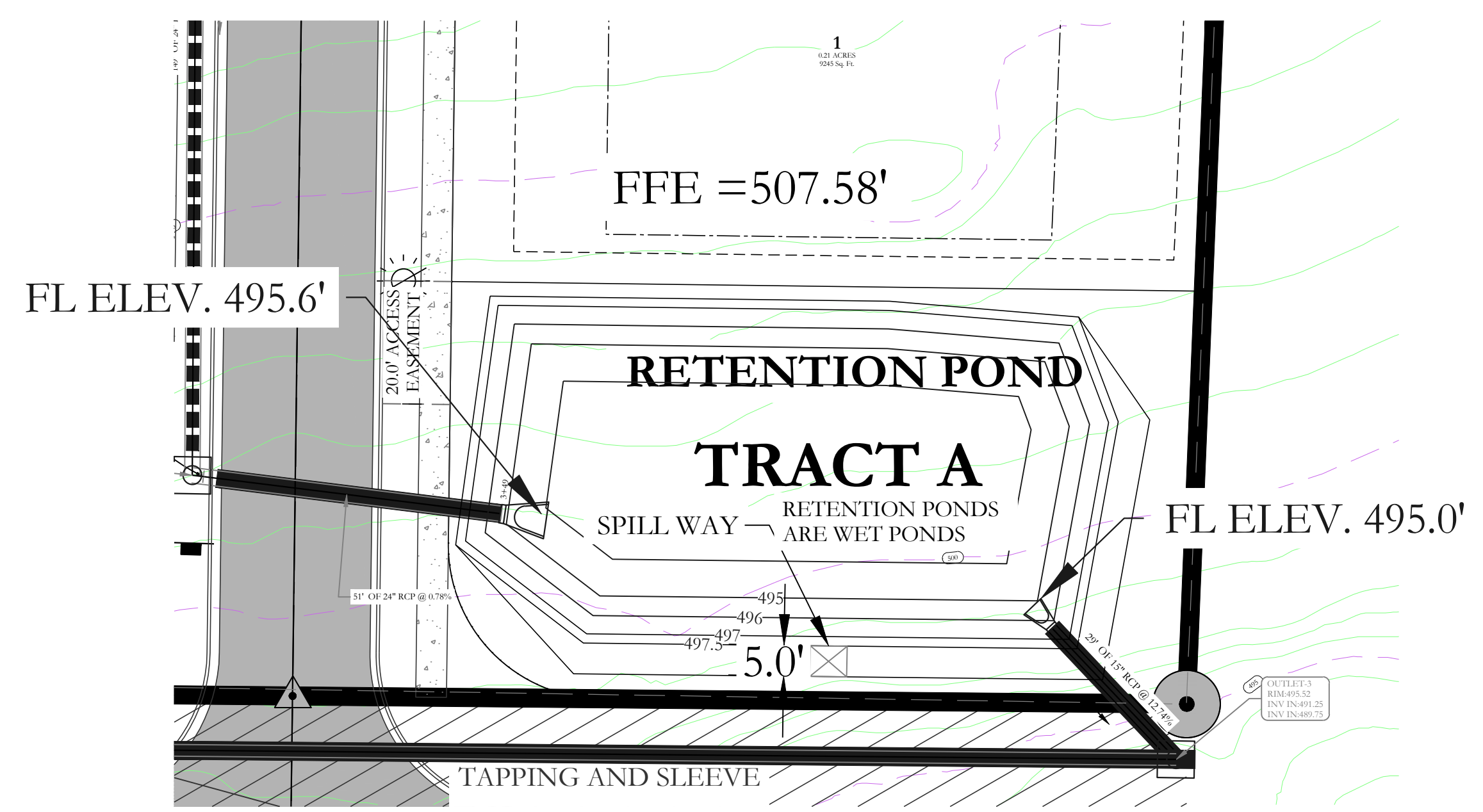
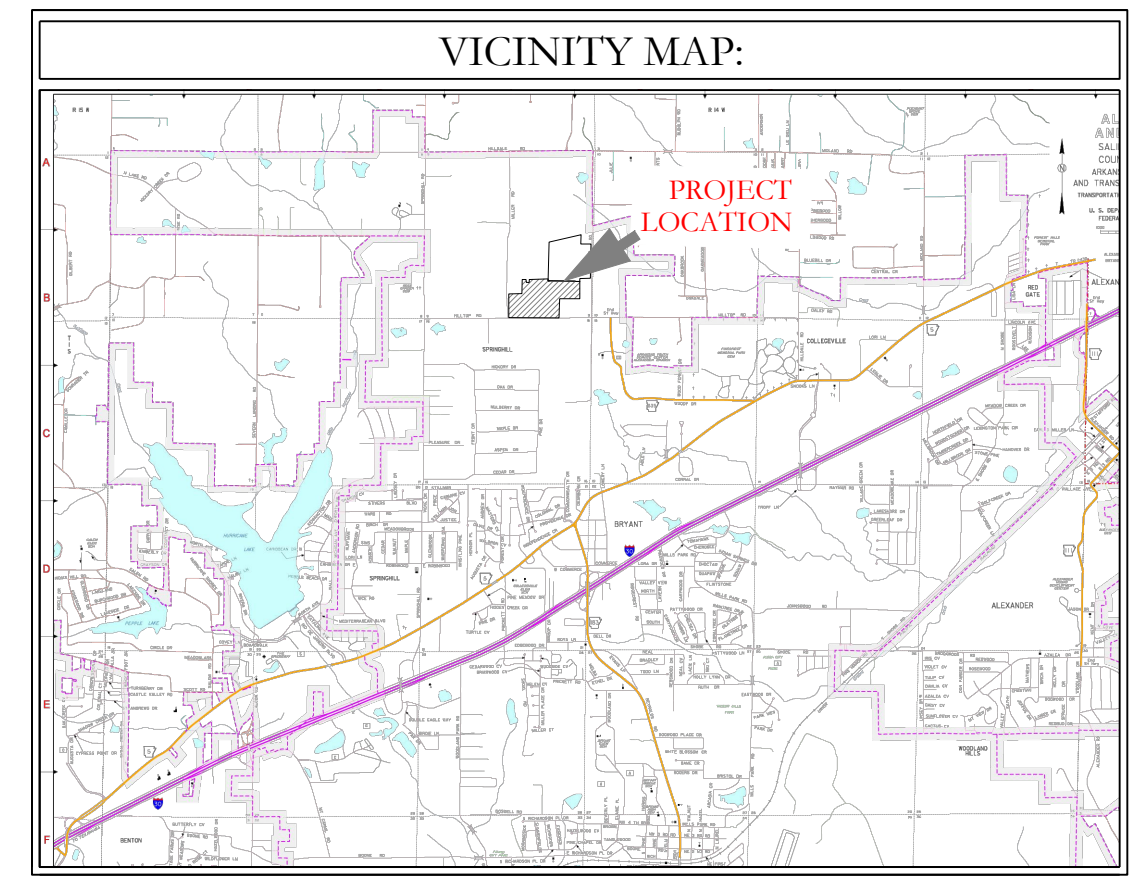


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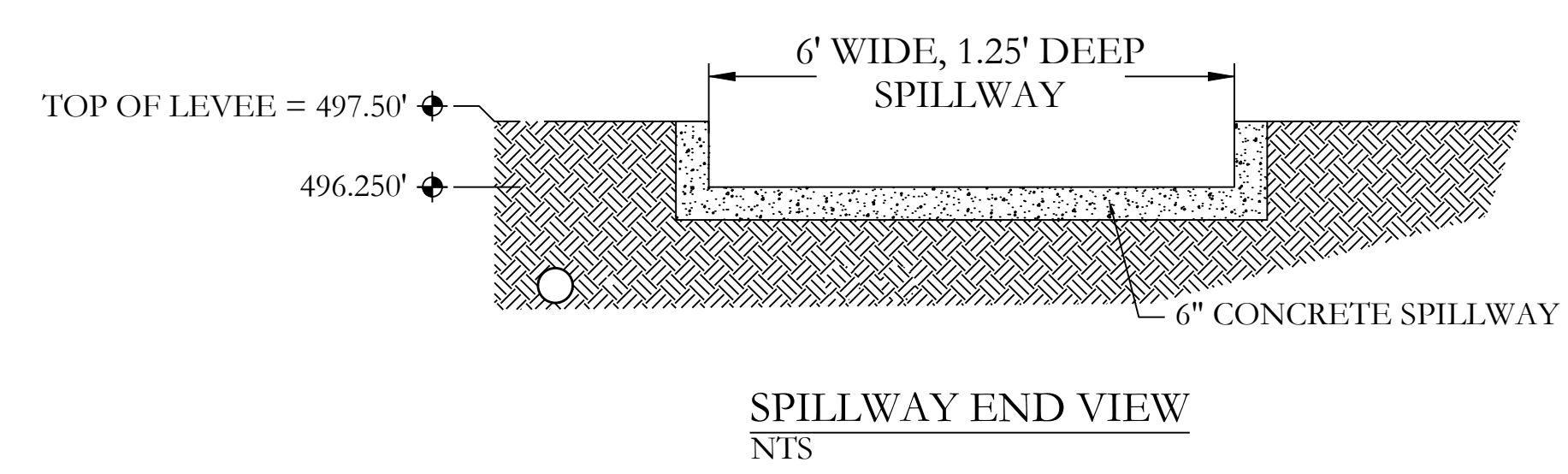
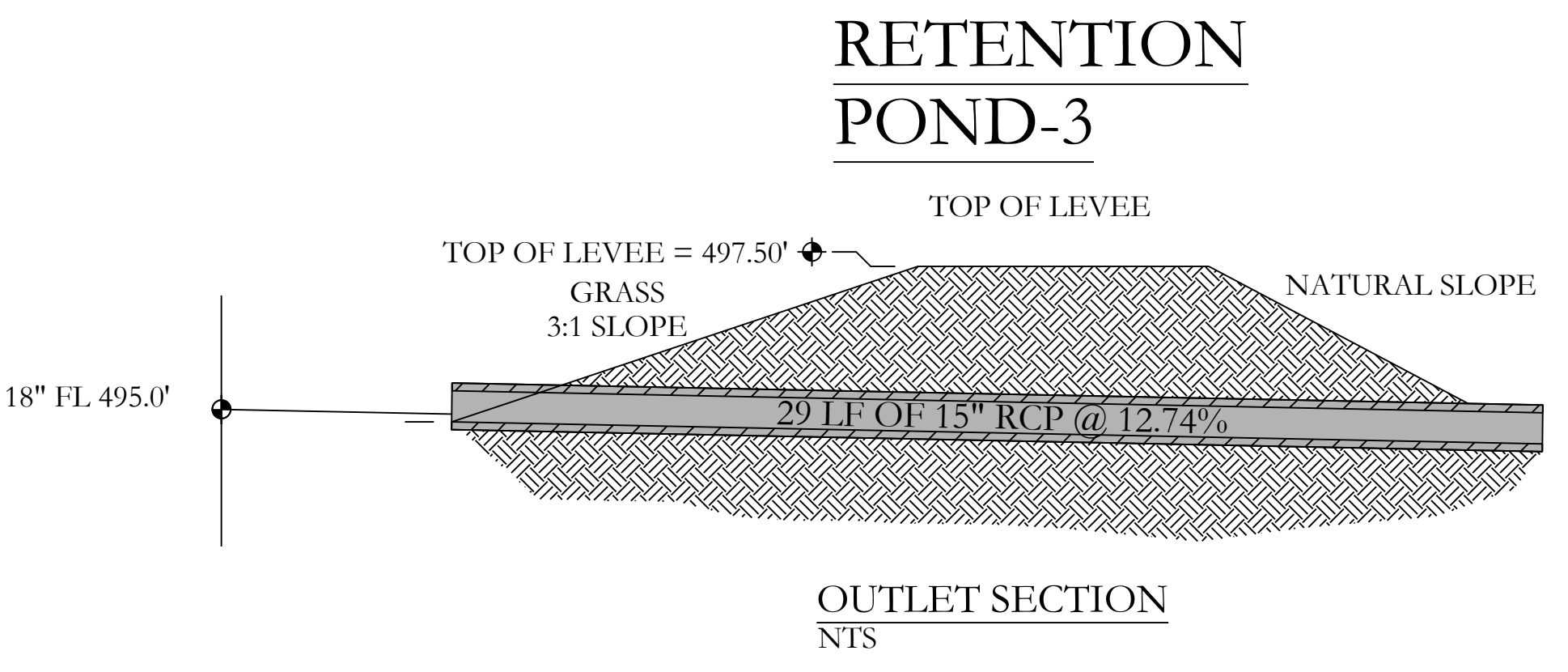
FOR USE AND BENEFIT OF: <b>NXT GEN HOMES LLC.</b>			
<b>HILLTOP LANDING RETENTION POND</b>			
A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS			
DATE: 03/08/2023	C.A.D. BY:	DRAWING NUMBER:	
REVISED: 06/07/2023	CHECKED BY:	<b>20-1341</b>	
SHEET: C-6.0	SCALE: 1"=30'		
500	01S	14W	09 200 62 1762



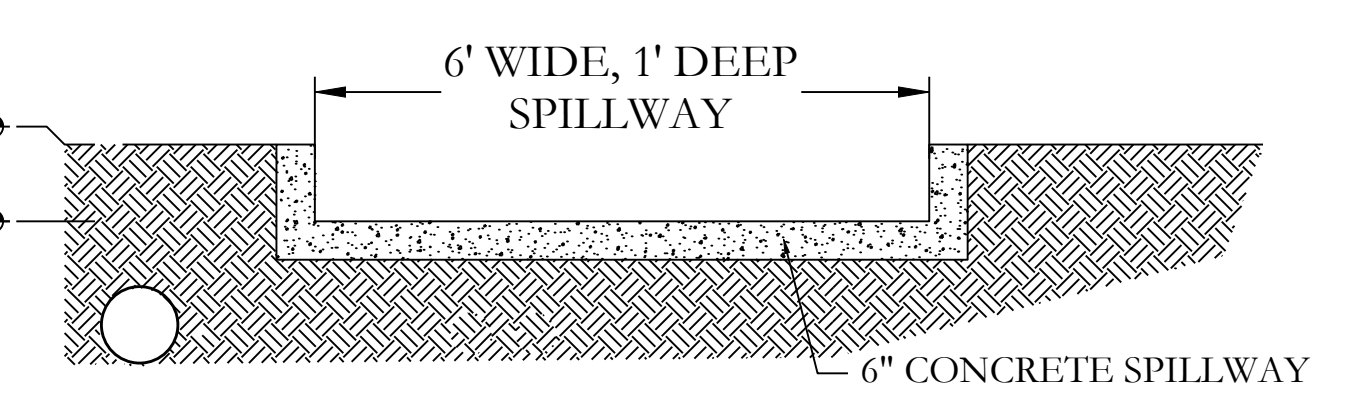
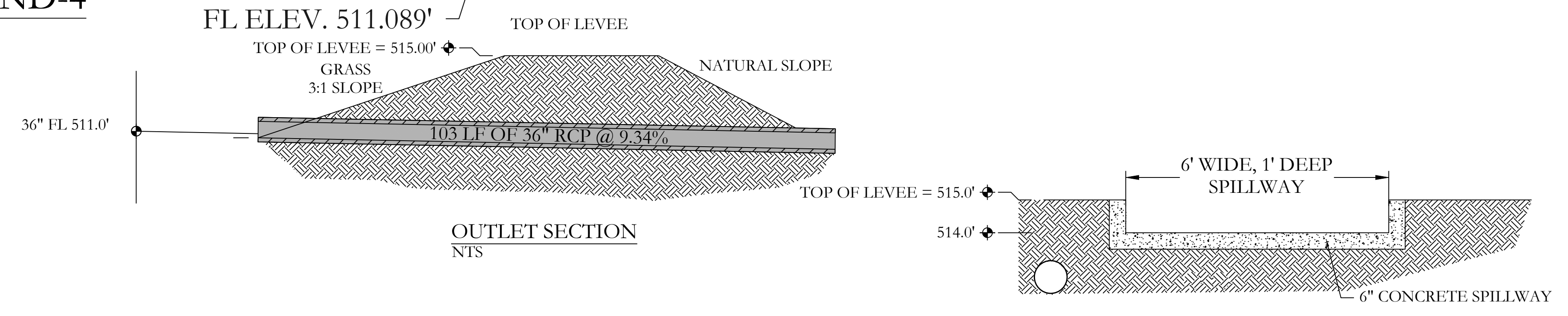


EARTHEN SLOPE NOTE:  
ALL EARTHEN RETENTION POND SLOPES ON BOTH THE INTERIOR AND EXTERIOR OF THE POND SHALL HAVE A MAXIMUM SLOPE OF 3:1.

NOTE:  
ALL RETENTION BASINS WILL BE REQUIRED TO BE STABILIZED WITH SOLID SOD STABILIZATION PER THE STORMWATER MANAGEMENT MANUAL.  
TOP BANKS OF ALL RETENTION PONDS WILL BE 5' WIDE.



RETENTION POND-3



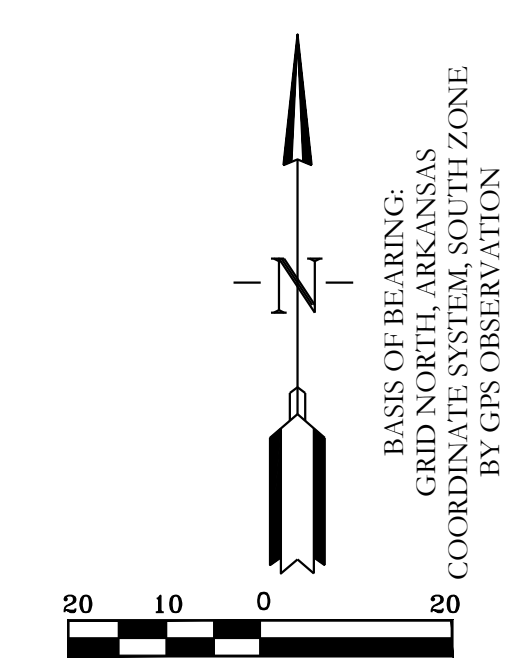
RETENTION POND -4

DETENTION POND MAINTENANCE PLAN

**Background**  
The Retention ponds are located on the periphery of the subdivision. They are designed to temporarily detain stormwater to meet water quantity criteria before discharging off the property.

**Routine Maintenance**  
The property owners association will maintain the drainage easements located in Tract "A" and Tract "D". Routine maintenance will include but not be limited to:  
-Mowing of the bank slopes and area around the pond on a monthly basis during the growing season and as needed during the cooler months.  
-The outlet pipes from the ponds and other areas will be inspected monthly for debris which could inhibit the proper flow of discharge. Any debris will be removed immediately and disposed of or placed in a location to prevent future maintenance and to not cause impact up or downstream of the structure.  
-Trash will be removed from around the pond to prevent entering the pond. Generally, the site should be kept free of loose trash which could be carried off site by wind or rain.  
-Inspect the pond and outlet pipe for non-routine maintenance need.

**Periodic or Non-Routine Maintenance**  
The routine inspection of the pond areas and discharge pipes will identify needed repairs and non-routine maintenance. These items may include but not be limited to:  
-Re-growth of trees on or around the pond bank. These should be cut and removed from the pond areas.  
-Sediment from the site may accumulate in the pond bottom and reduce the pond to below design volume requirements. The pond should be excavated if the pond bottom elevation reached a level that allows excessive aquatic growth or reduces the pond efficiency such, that the sediments are passing the discharge structure and release off site.  
-Stabilization or re-grading of side slopes may be required periodically or after excessive rain events. Any disturbance of slopes should be reseeded or may require installation of erosion control materials until seeding can reestablish adequate grasses to prevent future erosion.  
-Any other maintenance or repairs which would minimize other maintenance to the pond or outfall structures.



**HOPE CONSULTING**  
ENGINEERS - SURVEYORS

129 N. Main Street,  
Benton, Arkansas 72015  
PH. (501)315-2626  
FAX (501) 315-0024  
www.hopeconsulting.com

FOR USE AND BENEFIT OF:  
**NXT GEN HOMES LLC.**

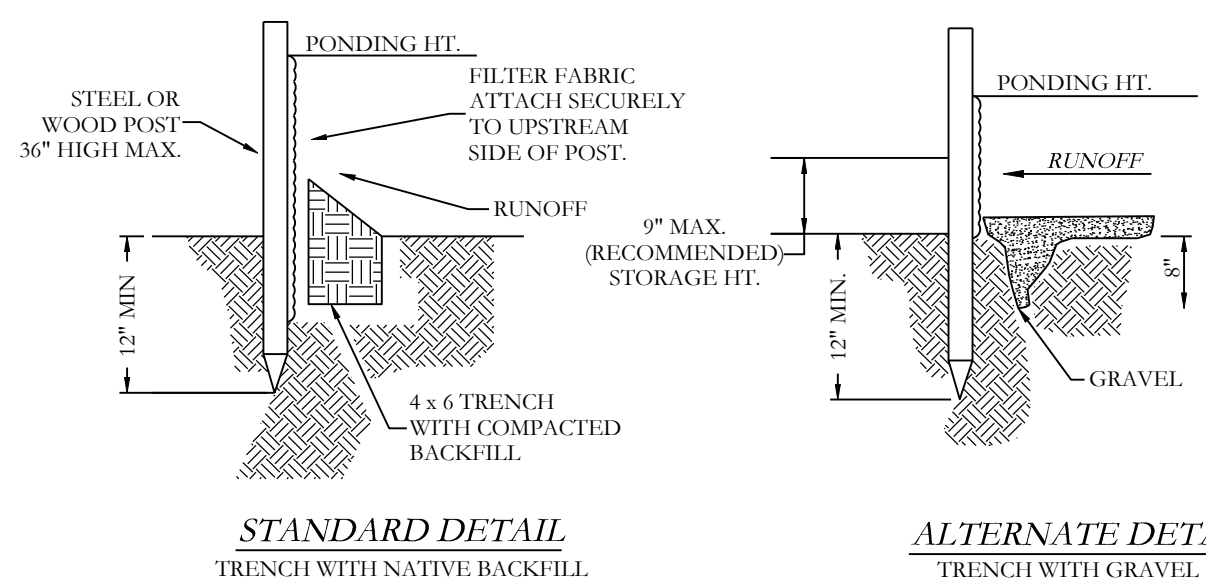
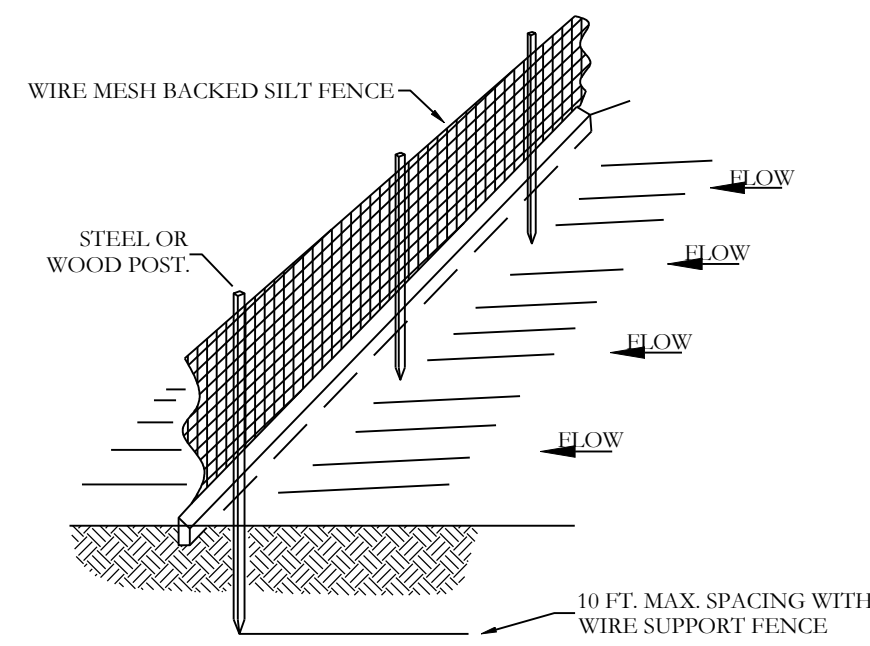
**HILLTOP LANDING RETENTION POND**  
A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS

DATE: 03/08/2023	C.A.D. BY:	DRAWING NUMBER:
REVISED: 06/07/2023	CHECKED BY:	20-1341
SHEET: C-6.0	SCALE: 1"=20'	

500	01S	14W	0	09	200	62	1762
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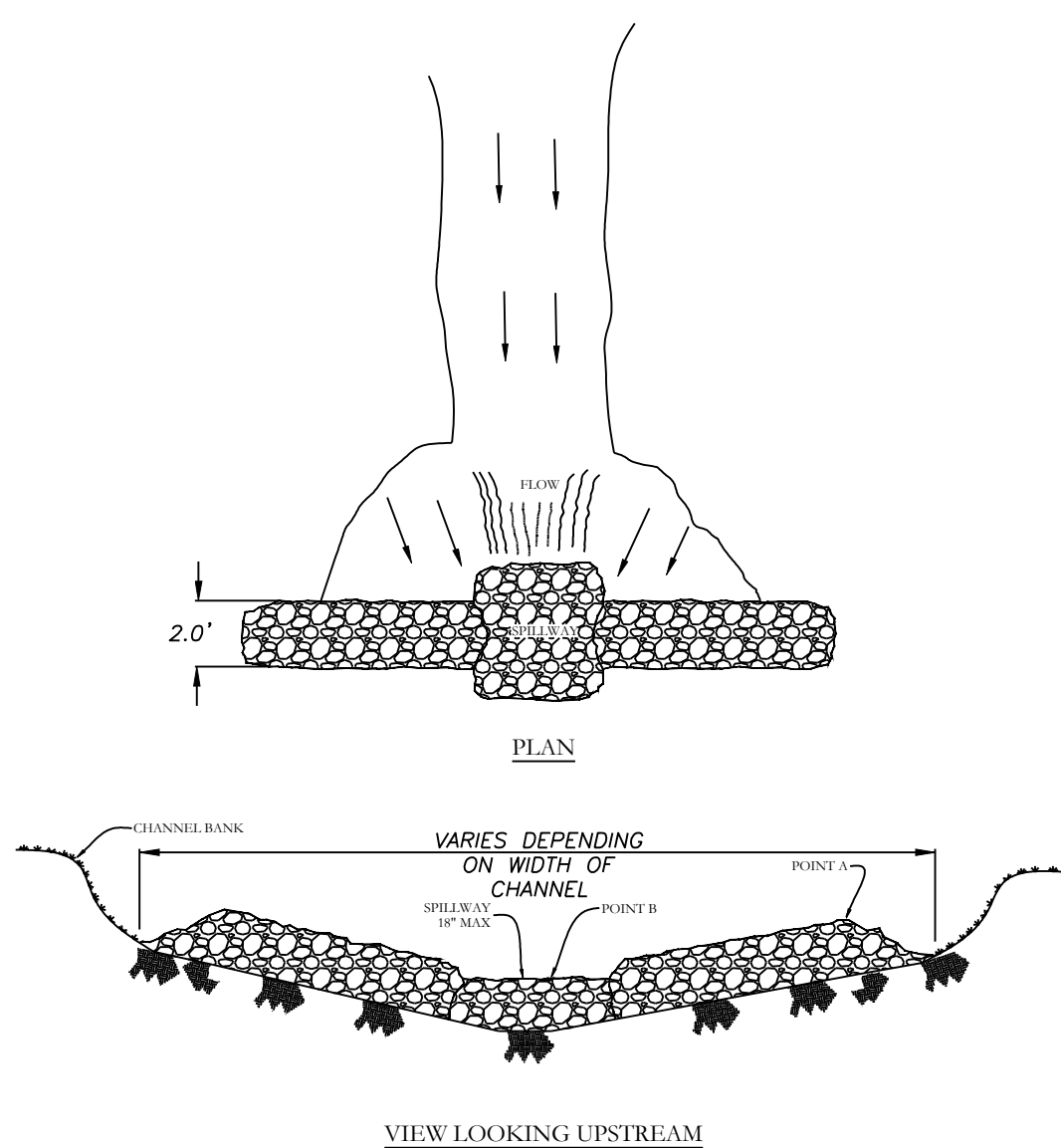
K:\LAND PROJECTS\2024\SUBDIVISIONS\2020-20-1341\MILLER & HILLTOP\CIVIL\DWG\20-1341-CONSTRUCTION.DWG 04-06-2024.DWG





- 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.

**SILT FENCE**

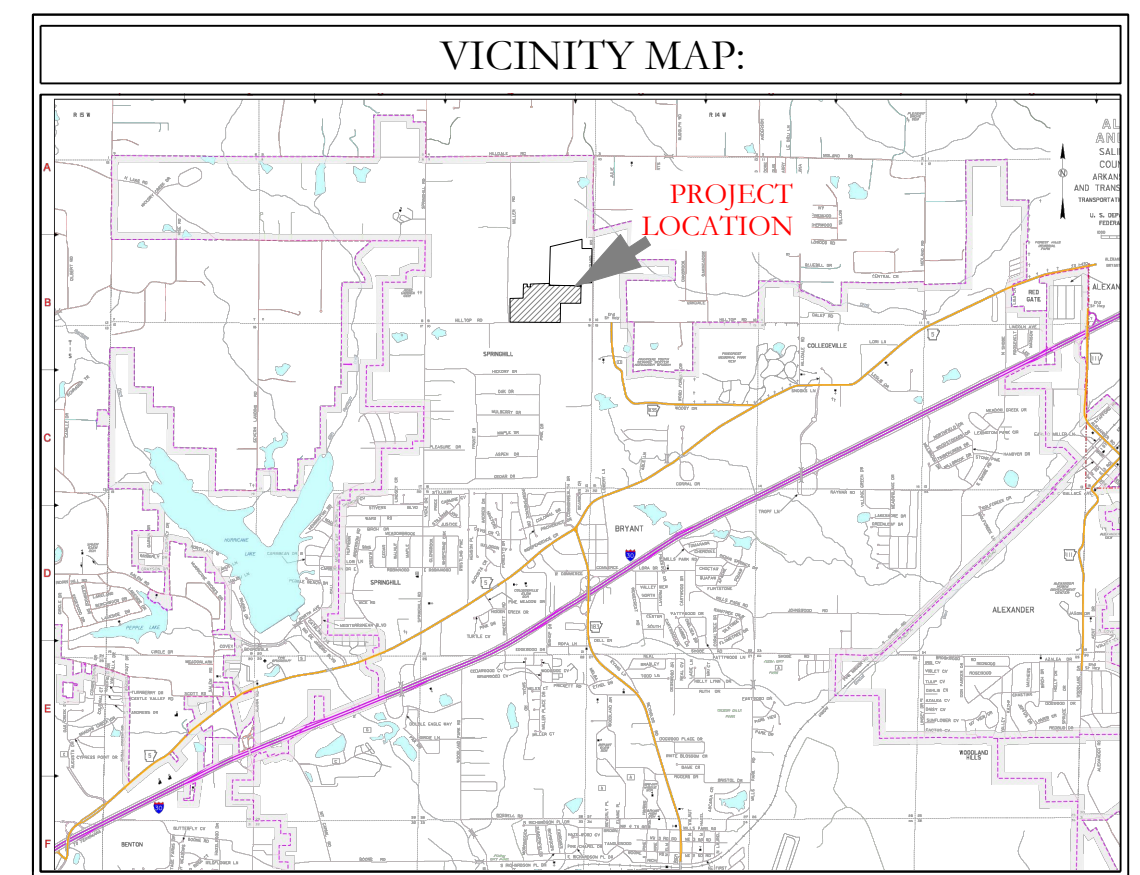
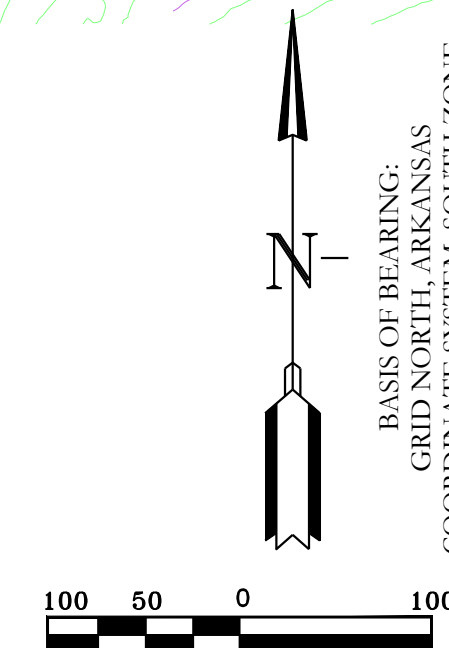
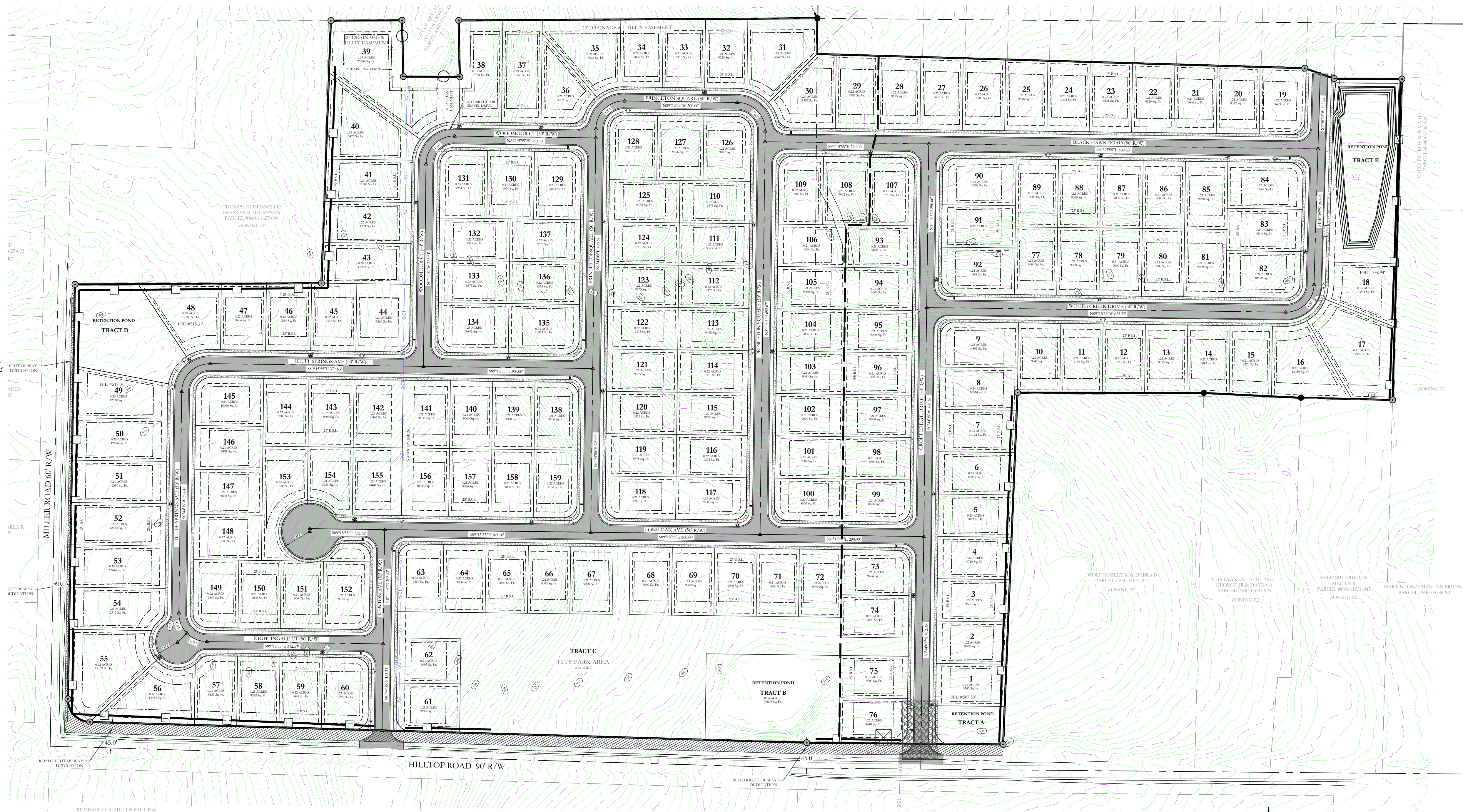
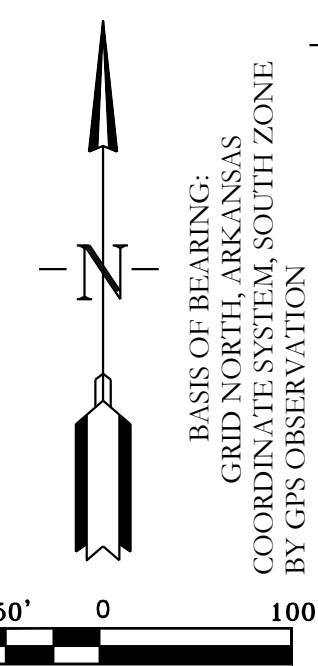


- NOTES:
- 1) POINT 'C' MUST BE HIGHER THAN POINT 'B' (SPILLWAY HEIGHT)
  - 2) POINT 'B' OF RIP-RAP CHECK DAM SHALL BE WITHIN 10' OF THE POINT 'A' (SPILLWAY)
  - 3) POINT 'A' SHALL BE HIGHER THAN POINT 'B' (SPILLWAY HEIGHT)
  - 4) INSPECT AFTER EACH SIGNIFICANT STORM, MAINTAIN AND REPAIR PROPERLY.

**RIP-RAP CHECK DAM**

**ERC LEGEND**

- SITE POSTING
- CONC. WASHOUT DETENTION AREA
- SILT FENCE
- RIP RAP CHECK DAM
- CONSTRUCTION ENTRANCE
- DISTURBED AREA



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www.hopeconsulting.com

FOR USE AND BENEFIT OF: <b>NXT GEN HOMES LLC.</b>			
<b>HILLTOP LANDING EROSION CONTROL PLAN</b>			
A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS			
DATE: 03/08/2023	C.A.D. BY:	DRAWING NUMBER:	
REVISID: 06/07/2023	CHECKED BY:	<b>20-1341</b>	
SHEET: C-7.0	SCALE: 1" = 100'	500	01S
14W	0	09	200
62	1762		



## Comment Responses for Hilltop Landing

### **Public Works**

1. Site will require a Stormwater Detention Maintenance Plan.  
Response- Stormwater Detention Maintenance Plan has been provided.
2. Developer will be required to submit signed and notarized Stormwater Infrastructure Warranty Bond SOP per Ordinance 2019-32.  
Response- Stormwater Infrastructure Warranty Bond SOP will be provided.
3. Site will require a ADEQ Large Scale Development Permit.  
Response- ADEQ Large Scale Development Permit has been provided.
4. Ponds will be required to be labeled retention ponds.  
Response- The comment has been addressed.
5. Does Tract E fall within Street ROW?.  
Response- No, it doesn't fall within street ROW.
6. Top bank of both retention ponds shall be a minimum of 5' in width, this shall be noted on plans.  
Response- The comment has been addressed and noted on the plans  
(See Sheet C-6 & C-6.1).
7. Sediment ponds will be required during construction due to development exceeding 10 acres. If development is phased a SWPP will be required for each phase: 2019-31 Stormwater Management Manual Section 1100, 1102 Control of Erosion 1102.1 and 1102.2.  
Response- SWPP has been provided.
8. All sidewalk ramps shall meet ADA requirements with corrugated dome ramp requirements. (note is required on plans)  
Response- The note has been added into the plans (See Sheet C-5) .
9. On Street Utility Legend (show detail for Street Lighting)  
Response – Street light legend has been shown in the plat.
10. Erosion control plan will be required to be updated to show silt fencing on the interior of the subdivision.  
Response- The comment has been addressed.
11. Erosion control plan will be required to be updated to show use of wire-backed silt fencing.  
**PROVIDED**
12. Discuss access easements to all retention ponds.  
Response- The comment has been addressed.



13. Provide Geotechnical report for Hilltop road. Existing road conditions may require developer repair/replace Hilltop road to existing centerline as required by Bryant Minimum Street Specifications.

Response- Geotechnical report will be provided.

14. Pond top banks shall be a minimum of 5' wide

Response- The comment has been addressed.

## Engineering

1. Give status on rerouting of sanitary sewer in Creekside Cove (Dawson Point) to allow for capacity increase. Sanitary sewer can not be developed until sewer is rerouted around Creekside Cove.

Response- Process is under going to get easements for future sewer improvement. Downstream sewer capacity will be increased before the construction of this project.

2. Lots **142,141,155,156** are in conflict with a 12" water main. Must provide large enough easement to access and repair. Must be Exclusive easement with no fencing permitted. **NOT SHOWN ON PLANS. - 12" WATER MAIN TO BE REROUTED AND EXISTING TO BE ABANDON IN PLACE. NOT SHOWN ON PLANS. 12" WATER MAIN IS IN CONFLICT WITH NEW PLANS FOR GRAVITY FROM MH 29 - MH 30. WATER AND SEWER MUST MAINTAIN 10' SEPARATION 100-7-1.27.**

Response- Easement has been provided.

3. Previous Plans indicated 12" water main shows to be rerouted per preliminary plans. If so, show existing 12" to be abandoned from lot 55 south to Hilltop. REVISED AGAIN.

Response- 12" water main will remain same.

4. Show water and sewer to be steel encased under any RCP (Culverts/Drainage) per sections 3100-9-3.18,A for sewer and 4100-13-3.19,A for water.

Response- Water and sewer under any RCP have been encased ( shown in the plans).

5. Developer to construct 10' Security Fence around Existing Water Storage Tank. Provide Details.

Response- The comment has been addressed.

6. Access to Existing Water Tank must be an improved drive and designated for City Access with a security gate

Response- The comment has been addressed.

7. Provided documentation that Water Users (Salem) has approved of existing 20 foot easement from Existing Water Tank to Lumbard Heights along the back side of Lots 31 through 38.

Response- Easement has been provided.

8. 12" Water line must be Ductile Iron. **RESPONSE indicates not rerouting 12" existing water main. However, current plan is not acceptable for location of existing 12" in regards to proposed lots, utilities, and easements.**

Response- The existing 12" water main will remain same and necessary easements have been provided.

9. Half street improvements on Hilltop will require the existing 12" water main to be relocated. - **12" WATER MAIN TO BE REROUTED AND EXISTING TO BE ABANDON IN PLACE.**

Response- The existing 12" water main will remain same.

10. Show sidewalk design on half street improvements on Hilltop and Miller road per street specifications section 5-4 Part 5.10.

Response- The comment has been addressed.

11. Lots adjacent to drainage and detention areas must indicate a Finish Floor Elevation 1 foot higher than nearest street back of curb.

Response- The comment has been addressed and has been indicated on the plans.

12. Provide documentation for the easements of connecting sanitary sewer into Dawson's point.

Response-The documents will be provided.

## Planning

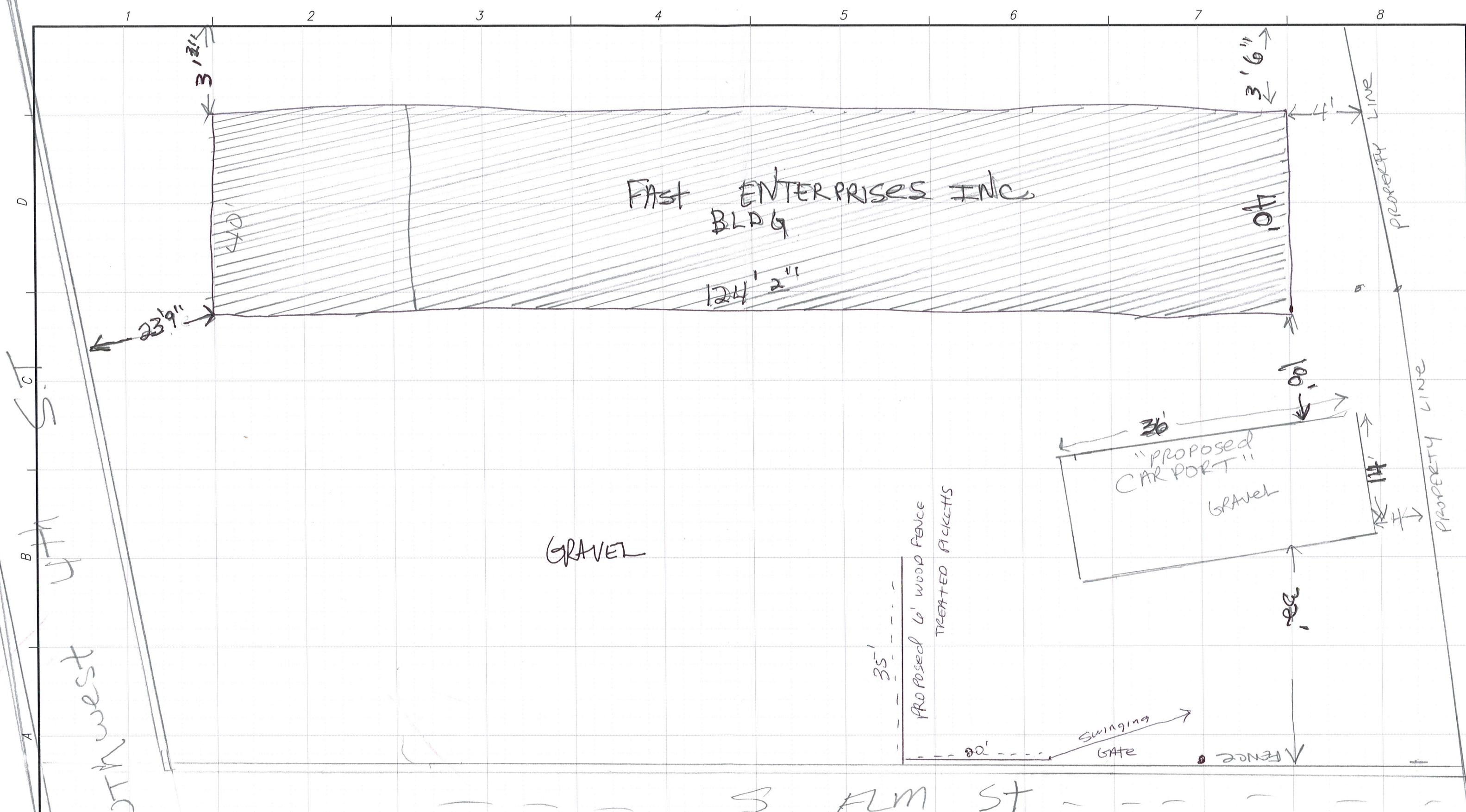
3. Preliminary Plat Fees still need to be paid

Response- The fees will be provided.

## Fire

1. Will Woodcreek Dr. connect to Lombard Heights. If so, who is making the connection?

Response-The developer will make the connection.

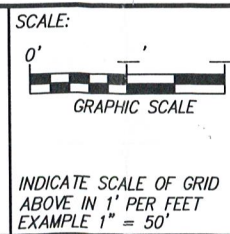
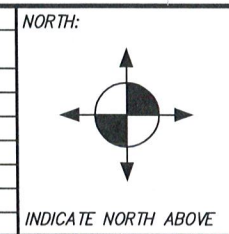


SOUTH WEST 4TH ST

ELM ST

APPROVED BY:	DESIGNED BY:	REV	DESCRIPTION	BY	DATE
TITLE	SIGNATURE	DATE			
TITLE	SIGNATURE	DATE			
TITLE	SIGNATURE	DATE			

DRAWN BY:	CHECKED BY:



NAME: JOE PAST  
 ADDRESS: 105 SW 4TH ST  
 STREET: SW 4TH  
 PHONE: 870-917-8047  
 BRYANT, ARKANSAS 72022



STRUCTURE TYPE:	SUBMITTAL DATE:
SQUARE FT:	WORK ORDER NO.:
LOT SIZE:	SHEET NO.:

4 OF 4

XXX###XXX.DWG





**City of Bryant, Arkansas**  
 Community Development  
 210 SW 3<sup>rd</sup> Street Bryant, AR 72022  
 501-943-0488, Comdev@cityofbryant.com

Site Plan

## General – Permit Application

Please complete both pages of this application and submit to the City of Bryant Permitting office, located at the address above.

Completed applications can also be scanned and emailed to [Comdev@cityofbryant.com](mailto:Comdev@cityofbryant.com).

Date: 6/9/23

**Permit Type:**

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Electrical Permit | <input type="checkbox"/> Remodel Permit                       | <input type="checkbox"/> Burn Permit           |
| <input type="checkbox"/> Plumbing Permit   | <input checked="" type="checkbox"/> Demolition Permit         | <input type="checkbox"/> Site Clearance Permit |
| <input type="checkbox"/> Mechanical Permit | <input checked="" type="checkbox"/> Accessory Building Permit | <input type="checkbox"/> Mobile Home Permit    |

Other if not listed above \_\_\_\_\_

**Contractor Information:**

Contractor/Owner JOE FAST / Accutrac Spring EQ / FAST ENT INC <sup>DBA</sup>  
 Physical Address of Business 105 SW 4<sup>th</sup> St  
 City, State, Zip code BRYANT, AR 72022  
 Mailing Address (If different from Above) SAME  
 City, State, Zip code BRYANT, AR 72022  
 Email Address accu-01@sbcglobal.net  
 Business Phone 501-847-4645 Cell Phone 870-917-8047 Fax 501-847-4634

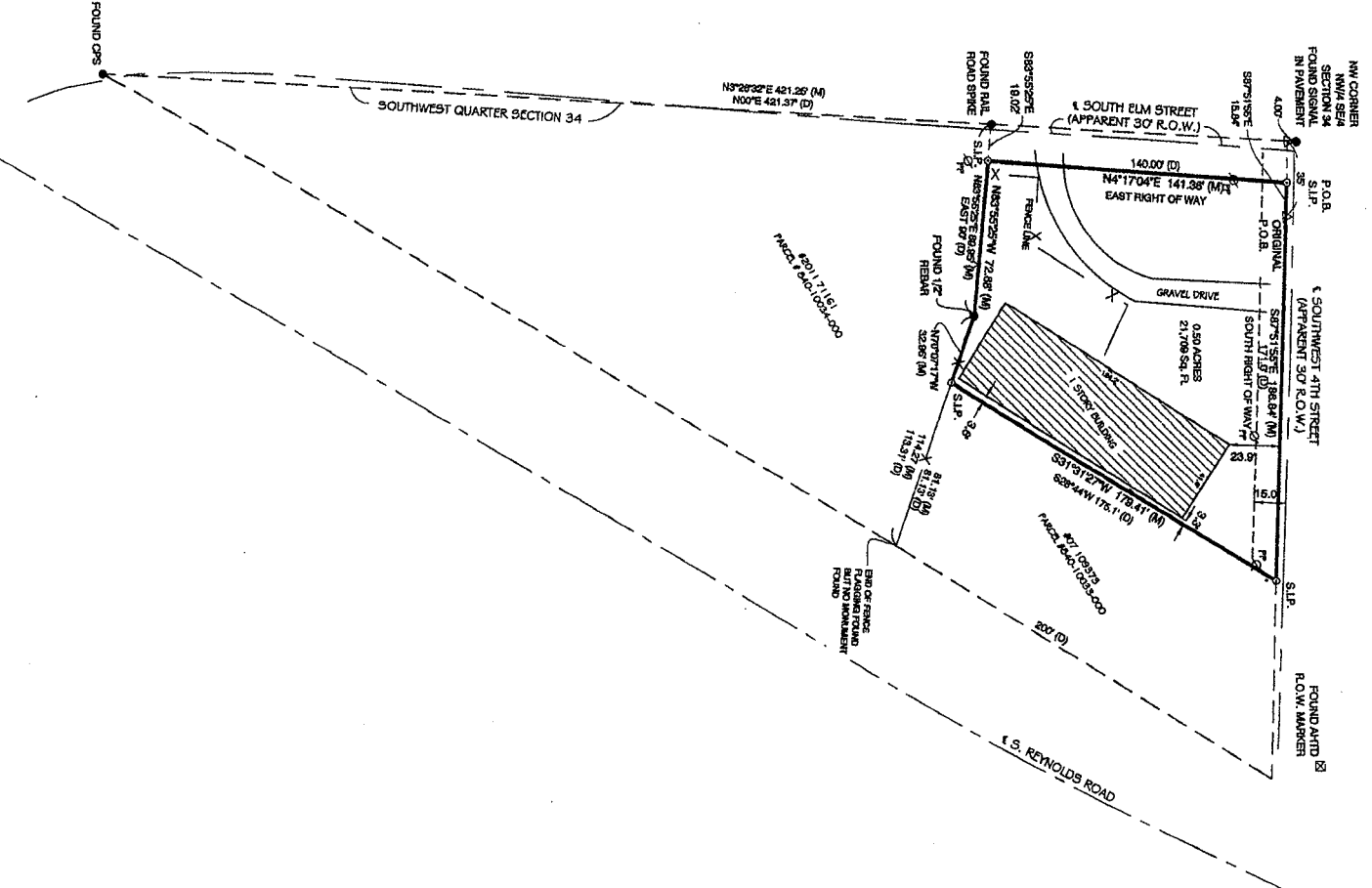
**Contact Information:**

Contact Person JOE FAST  
 Title owner  
 Email Address accu-01@sbcglobal.net  
 Phone 501-847-4645 Cell Phone 870-917-8047

**Project Information:**

Project Address/Location 105 SW 4<sup>th</sup>  
 Project Cost \$1000 Commercial or Residential? ~~Both~~ CR





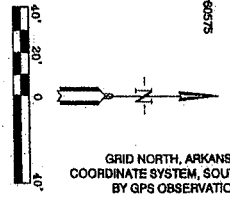
PROPERTY DESCRIPTION:  
 CULDEUM DEED #13 004212 (DATED 2013 JAN. 14)  
 PART OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER, SECTION 34,  
 TOWNSHIP 14 SOUTH, RANGE 14 WEST, CITY OF BRYANT, SALINE COUNTY, ARKANSAS  
 AND DESCRIBED AS FOLLOWS: FROM THE NORTHWEST CORNER OF SAID  
 NORTHWEST QUARTER OF THE SOUTHEAST QUARTER, RUN SOUTH 4.0 FEET AND  
 EAST 36.0 FEET TO THE POINT OF BEGINNING; THENCE EAST 17.0 FEET; THENCE WEST  
 SOUTHWEST 17.51 FEET; THENCE NORTHWEST 17.0 FEET; THENCE WEST  
 SOUTHWEST 17.0 FEET TO THE POINT OF BEGINNING; THENCE NORTH ALONG  
 SAID EAST LINE OF SAID 140.0 FEET TO THE POINT OF BEGINNING, CONTAINING 0.49  
 ACRES, MORE OR LESS.

PROPERTY DESCRIPTION - (AS SURVEYED):  
 PART OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER, SECTION 34,  
 TOWNSHIP 14 SOUTH, RANGE 14 WEST, CITY OF BRYANT, SALINE COUNTY, ARKANSAS  
 AND DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF THE NORTHWEST QUARTER OF THE  
 SOUTHEAST QUARTER, SECTION 34, A POLYD SIGNAL IN PAVEMENT; THENCE SOUTH  
 4'; THENCE S89°52'57"E 18.18 FEET TO THE POINT OF BEGINNING; THENCE SOUTH  
 188.84 FEET TO A SET BEAR AND CAP; THENCE S87°17'22"E 22.86 FEET ALONG  
 FENCE LINE TO A SET BEAR AND CAP; THENCE N89°52'57"E 22.86 FEET  
 EXISTING FENCE LINE TO SET BEAR AND CAP; THENCE N47°04'E 141.38 FEET  
 ALONG EAST R.O.W. OF SOUTH ELM STREET TO THE POINT OF BEGINNING,  
 CONTAINING AN AREA OF 0.59 ACRES, OR 21,798 SQ. FEET.

**SURVEY NOTES:**

1. DOCUMENT FILED FOR RECORD WITH THE SALINE COUNTY CIRCUIT CLERK IN BOOK 2011 PAGE 71181 DATED OCT. 5, 2011
2. DOCUMENT FILED FOR RECORD WITH THE SALINE COUNTY CIRCUIT CLERK IN BOOK 07 PAGE 106873 DATED OCT. 5, 2007
3. SOUTH RIGHT OF WAY OF 4TH STREET ENCROACHES ONTO DESCRIBED PROPERTY
4. SURVEY PREPARED BY KERRY LANE PLS.# 1141, FILED FOR RECORD IN STATE SURVEYORS OFFICE, DOCUMENT #807286 RECEIVED 08/08/05
5. DEED FOR THIS TRACT DOES NOT CLOSE
6. APTD RIGHT OF WAY MAP BRYANT - SOUTH RR OVERPASS, JOB#49575



**Know what's Below.  
 Call before you dig.**

By affixing my seal and signature, I, Jonathan L. Hope PLS No. 1782, hereby certify that this drawing correctly depicts a survey compiled under my supervision.  
 NOTE: This survey was based on legal descriptions and the work furnished by others and does not represent a title search.  
 No portion of this property described hereon lies within the 100 year floodplain, according to the Flood Insurance Rate Map, panel # 05129C03980D, Dated: 08/19/2012

**HopeConsulting**  
 117 S. Market Street,  
 Benton, Arkansas 72015  
 PH. (501)315-2626  
 FAX (501) 315-0024  
 www.hopeconsulting.biz

FOR USE AND BENEFIT OF:  
**FAST ENTERPRISES, INC.**  
 PART OF THE NORTHWEST QUARTER  
 SOUTHEAST QUARTER, SECTION 34, T-1-S,  
 R-14-W, SALINE COUNTY, ARKANSAS

**LEGEND**

- A - Computed point
- - Found monument
- - Set at W/ Cap (S.L.P.)
- M - Measured
- (M) - Measured
- (D) - DEED

DATE:	8/8/2013	CALC. BY:	JLH	DRAWING NUMBER:	13-0326
REVISION:	1 OF 1	CHECKED BY:			
SHEET:	1 OF 1	SCALE:	AS SHOWN		
500	015	14W	0 34	200	62 1762



14ft x 4ft  
Flat mounted Aluminum Composite Panel

80in x 20in  
Flat mounted Aluminum Composite Panel



96in x 35.5in  
Polycarbonate insert in existing light box.



96in x 35.5in  
Polycarbonate insert in existing light box.





16ft x 4ft  
Flat mounted Aluminum Composite Panel

