

Bryant Planning Commission Meeting

Boswell Municipal Complex - City Hall Court Room

210 SW 3rd Street

YouTube: https://www.youtube.com/c/bryantarkansas

Date: June 10, 2024 - **Time:** 6:00 PM

Call to Order

Approval of Minutes

- 1. Bryant Planning Commission Meeting Minutes 5/13/2024
 - · 2024-05-13 Planning Commission Meeting Minutes.pdf

Announcements

DRC Report

2. A-1 Fireworks - 25612 I-30 - Temporary Business Liscense

Joan Rey - Requesting Approval for TBL for Firework Stand - APPROVED

0864-APP-01.pdf

3. 25631 I-30 - Fencing

McDonald Fencing - Requesting Approval for New Fencing on Site - APPROVED

• <u>0866-PLN-01.jpg</u>

4. 2312 Bishop Road - Site Plan Addition

Giron Builders - Requesting Approval for New Building Addition - APPROVED with Granted Administrative Waiver on the one Facade of new addition. APPROVED fencing around site as proposed in meeting, coningent upon review of commercial fencing permit.

- <u>0861-PLN-01.pdf</u>
- · 0861-PLN-02.pdf

5. Marketplace II Subdivison Phase 3 - Lots 17R, 18R, 22R Site Plans

GarNat Engineering - Requesting Site Plan Approval, APPROVED, Contingent upon Replat Approval by Planning Commission and Facades Provided for Building Permits

- <u>0874-pln17r-01.pdf</u>
- 0874-pln18r-01.pdf
- <u>0874-pln22r-01.pdf</u>
- 0874-lnd17r-01.pdf
- 0874-lnd18r-01.pdf
- 0874-lnd22r-01.pdf

6. Creekside Addition Ph. 2 - Replat

GarNat Engineering - Requesting Approval for a Replat to fix a wording error on Plat, APPROVED

0875-PLT-01.pdf

7. Seven Brew Coffee - 2202 Reynolds Road - Sign Permit

Springfield Signs - Requesting Sign Permit Approval - APPROVED

• 92377-SGNAPP-01.pdf

8. Practical Wellness Clinic - 205 Progress Way Ste 100 - Sign Permit

L Graphics - Requesting Sign Permit Approval - STAFF APPROVED

92303-SGNAPP-05032024112017.pdf

9. Evie Brooks - 3507 Market Place Ste 100 - Sign Permit

L Graphics - Requesting Sign Permit Approval - STAFF APPROVED

• 092301-SGNAPP-01.pdf

10. Splash Carwash - 107 Bryant Ave - Sign Permit

Arkansas Sign and Neon - Requesting Sign Permit Approval - STAFF APPROVED

• 92304-SGNAPP-01.pdf

11. Empire Vape and Tobacco - 319 Bryant Ave - Sign Permit

Doug Blanford - Requesting Sign Permit Approval - STAFF APPROVED

• EMPIRE VAPE-05032024111613.pdf

12. Gassy's Fuel Station - 6101 HWY 5 - Sign Permit

Drew Files - Requesting Sign Permit Approval - STAFF APPROVED

92376-SGNAPP-01.pdf

13. Edward Jones - 2305 Springhill Road - SIGN PERMIT

Arkansas Sign & Neon - Requesting Sign Permit Approval - STAFF APPROVED

- 20419908-APPLICATION-EDWARD JONES-SPRINGHILL.pdf
- 20419919-18231-ART5-M.pdf

14. Hill Valley Estates

Hope Consulting - Requesting Approval for PUD Zoning Plan. Project previously named "Legacy Woods - PUD" - RECOMMENDED APPROVAL, Based on Completed Application Requirements

15. 1710 Shoal Road - Rezoning R-E to R-1

William Kalkbrenner - Requesting Approval for Rezoning from R-E to R-1 - RECOMMENDED APPROVAL, Based on Completed Application Requirements

16. 3927 Springhill Road - Rezoning R-2 to R-1.S

 $Tim\ Lemons$ - Requesting Approval for Rezoning from R-2 to R-1.S - RECOMMENDED APPROVAL, Based on Completed Application Requirements

17. 307 SW 4th Street - Conditional Use Permit

Bill Gray - Requesting Approval of CUP for Additional Square Footage of Accessory Structure - RECOMMENDED APPROVAL, Based on Completed Application Requirements

18. 2806 Hurricane Lake Road - Two Lot Subdivison

Hope Consulting - Requesting Approval for Two Lot Subdivison - RECOMMENDED APPROVAL

19. Springhill Retail - Commercial Center - Springhill and HWY 5

Phillip Lewis Engineering - Requesting Approval for Commercial Subdivison Plat, Waiver on Building Multi-Use Trail along the

Springhill Road Frontage, and Site Plan. RECOMMEDED APPROVAL of Site Plan and Waiver. APPROVED Site Plan contingent upon updated plat and engineering review of drainage plan.

20. Marketplace II Subdivison Phase 3 - Lots 17, 18, & 22

GarNat Engineering - Requesting Approval for Replat - RECOMMENDED APPROVAL

Public Hearing

21. Hill Valley Estates - PUD

Hope Consulting - Requesting Approval for PUD Zoning Plan. Project listed as "Legacy Woods - PUD" in DRC report.

- <u>0855-ZPLN-03.pdf</u>
- 0855-PLN-01.pdf
- · 0855-LND-02.pdf
- <u>0855-LND-01.pdf</u>
- · 0855-ZPLN-02.pdf
- <u>0855-SRVY-01.pdf</u>
- 0855-APP-02.pdf
- 0855-APP-01.pdf
- <u>0855-LTR-01.pdf</u>

22. 1710 Shoal Road - Rezoning R-E to R-1

William Kalkbrenner - Requesting Approval for Rezoning from R-E to R-1

- · 0872-APP-01.pdf
- 0872-SVY-01.pdf
- 0872-LTR-01.pdf

23. 3927 Springhill Road - Rezoning R-2 to R-1.S

Tim Lemons - Requesting Approval for Rezoning from R-2 to R-1.S

- <u>0868-LST-01.pdf</u>
- 0868-CRR-01.pdf
- 0868-APP-01.pdf
- <u>0868-LTR-02.pdf</u>
- 0868-SRVY-01.pdf
- <u>0868-LGL-01.docx</u>
- · 0868-LTR-01.pdf

24. 307 SW 4th Street - Conditional Use Permit

Bill Gray - Requesting Approval of CUP for Additional Square Footage of Accessory Structure

· 0865-APP-01.pdf

Old Business

New Business

25. 2806 Hurricane Lake Road - 2 Lot Subdivsion

Hope Consulting - Requesting Approval for Two Lot Subdivison

- <u>0876-PLT-02.pdf</u>
- 0876-LTR-01.pdf

26. Springhill Retail - Commercial Center - Springhill and Highway 5

Phillip Lewis Engineering - Requesting Approval for Commercial Subdivison Plat and Waiver on Building Multi-Use Trail along the Springhill Road Frontage

- 0871-PLN-02.pdf
- 0871-DRN-01.pdf
- <u>0871-LTR-02.pdf</u>

27. Marketplace II Subdivison Phase 3 - Replat Lots 17, 18, & 22

GarNat Engineering - Requesting Approval for Replat

- <u>0869-RPLT-01.pdf</u>
- <u>0869-APP-01.pdf</u>
- 0869-LTR-01.pdf

28. Planning Commission By-Law Revisions

Discussion on Revisions to Commission By-Laws

Adjournments



Bryant Planning Commission Meeting Minutes

Monday, May 13th, 2024 Boswell Municipal Complex – City Hall Courtroom 6:00 PM

Agenda

CALL TO ORDER

- Chairman Lance Penfield calls the meeting to order.
- Commissioners Present: Penfield, Hooten, Statton, Johnson, Burgess, Edwards, Erwin, Speed
- Commissioners Absent: None

ANNOUNCEMENTS

Interim Director of Community Development, Colton Leonard, spoke briefly about the June 3rd workshop. The workshop is to discuss the trail system in Bryant.

APPROVAL OF MINUTES

1. Planning Commission Meeting Minutes 4/11/2024

Motion to Approve Minutes made by Commissioner Stratton, Seconded by Commissioner Edwards. Voice Vote, 8 Yays, 0 nays. 0 Absent.

Vice-Chairman Hooten read the DRC Report.

DRC REPORT

- 2. Bryant Schools High School- Building Addition

 Minton Engineering Requesting Site Plan Approval RECOMMENDED APPROVAL
- 3. Roman Heights Subdivision- Phase 2
 Hope Consulting Requesting Approval for a Suspension on the Requirement to Build
 Multi-Use Trail along North Side of Subdivision RECOMMENDED APPROVAL

- 4. Starbucks Coffee 20701 I-30- Revised Site Plan
 Nina Berg Requesting Approval for Revisions to Site Plan APPROVED
- 5. Senior Tequila 2919 N Reynolds- Site Plan Revision Requesting Approval for adjusting location of retaining wall to create patio area -APPROVED
- 6. Meramec Specialties Co. 6139 HWY 5- Temporary Business Kevin Bailey Requesting Approval for Temporary Business for Fireworks Stand
- 7. TNT Fireworks 400 Bryant Ave- Temporary Business

 Heather Whaley Requesting Approval for Temporary Business for Fireworks Stand
- 8. Marketplace II Subdivision Lot 16 and Lot 19- Site Plan Approval

 Engineering Requesting Approvals for Site Plans for lots 16 and lot 19
- 9. The Breakroom 1812 N Reynolds Road- Sign Permit

 Ace Sign Company Requesting Sign Permit Approval STAFF APPROVED
- 10. Magnolia Title 3417 Market Place Ave- Sign Permit

 Ace Sign Company Requesting Sign Permit Approval STAFF APPROVED

NEW BUSINESS

11.Bryant Schools - High School - Building Addition

Minton Engineering - Requesting Site Plan Approval

The building will be 4 stories, 64,000 sq feet, will provide parking and driveway all the way around the building. This is a major change. Will be demoing the existing building. Will leave the parking and grassy area. Canopy will extend out further. The south end will provide a safe room. This work will start around July or August and will be completed August 2026.

After brief discussion on the item, Chairman Penfield Called for a roll call vote to approve. Voice Vote, 8 Yays, 0 nays. 0 Absent.

12.Roman Heights Subdivision - Phase 2

Hope Consulting - Requesting Approval for a Suspension on the Requirement to Build Multi-Use Trail along North Side of Subdivision

Recommendation from DRC is to suspend the requirement to build the Multi-Use Trail along the north side of the property for a period of one year. Giving the city time to have workshops with developers and council to look at updates for requirements of the Walk, Bike, Drive Master Transportation Plan. Depending on the outcome of those meetings, Bull Development would either be required to build the trail, pay the in-lieu fee, or fall under the new requirements that are set by the city as an outcome of these meetings.

After brief discussion on the item, Chairman Penfield Called for a roll call vote to approve. Voice Vote, 8 Yays, 0 nays. 0 Absent.

ADJOURNMENT

Motion to A	djourn made by Commissioner Burgess, Seconded by Commissioner
Stratton. A	fter brief discussion on the item, Chairman Penfield Called for a roll cal
vote to app	rove. Voice Vote, 8 Yays, 0 nays. 0 Absent.

Chairman, Lance Penfield	Date
Secretary, Tracy Picanco	Date





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 <u>www.cityofbryant.com</u> under the Community Development tab.

Date: 14 1, 2024
Business Information:
Name A-1 FIRELOGIS
Federal Tax Employer ID Number
Arkansas State Sales Tax Number 0318073-515
Location of Proposed Temporary Business 2612 T-30 Reyard AR 7002
Business Owner: Contact Person:
Name Michael Joseph Name WAT Rev
Address 2341 State How DEST
OLAR 72853 OLAR 72853
Phone 479-489-3398 Phone 479-447-934
Email Milegraph Sognail con Email partey Alfrewits. on
79 . 6
Checklist for Submission
☐ Completed Application and Checklist
☐ Twenty-Five Dollar (\$25.00) Application fee
\Box 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)

	Eignt	(8) copies of a Site Plan:
	0	Site Plan shall be to scale, all structures shall be identified. Clear identification of
		any open display areas
	0	Fireworks tent / canopy shall have a minimum 50ft. setback from all other
		structures
	0	Show parking spaces dedicated by the owner of the property for use by the
		temporary business.
	Exits s	hall be provided every 100 ft. with a minimum of 2 remotely located exits
	Minim	um exit width shall be 72 in. All exits shall be identified with proper signage
	No sm	oking permitted within 50 ft. of firework tent / canopy. "NO SMOKING" signs
	shall b	e 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 req	uired. Extinguishers shall be clearly visible, marked with appropriate signage, and
	mount	ed height of not less than 36 in. from the ground
	Genera	ators or other combustion power sources, including fuel, shall be separated from
	tents /	canopies by a minimum of 25 ft.
	Applica	ant shall contact the Bryant Fire Dept. Fire Marshal's office and schedule an
	inspect	tion 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	CAREF	ULLY BEFORE SIGNING
1	Mil	de herreby, contify the 1. 11
inform	ation co	ntained within this application is true and correct. I further certify that I agree too
and wi	II abide	by all Temporary Business rules and regulations as outlined in the Bryant Business
Ordina	nce. I al	so understand that I shall comply with all additional applicable ordinances of the
		the requirements of all state and federal laws. Furthermore, I understand
to \$500	0.00 per	mporary Business Ordinance 2007-43 is a misdemeanor punishable by a fine of up occurrence of yiolation. Each day's occurrence is a separate violation.
Owne	rs Signat	ure ////

>



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 4/30/2024

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).

PRODUCER	CONTACT			
Acrisure, LLC dba Britton Gallagher	NAME: PHONE 040 050 7400 FAX			
3737 Park East Dr. STE 204	(A/C, No. Ext); 210-058-7100 (A/C, No.), 216, 659, 7104			
Beachwood OH 44122	E-MAIL ADDRESS:			
	INSURER(S) AFFORDING COVERAGE NAIC #			
	INSURER A: Everest Indemnity Insurance Co. 10851			
INSURED	INSURER B:			
Winco Fireworks International LLC 12521 15th Street	INSURER C:			
Grandview MO 64030	INSURER D :			
Grandview in 6 44000				
	INSURER E:			
OOVERAGES OFFICIAL AND	INSURER F:			
COVERAGES CERTIFICATE NUMBER: 20089088	7 REVISION NUMBER:			
INDICATED NOTWITHSTANDING ANY REQUIREMENT TERM OR CONDITION	HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD ON OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS ROPED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT.			
CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFO	RDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO WHICH THIS			
Exteres of the contract of the	VE BEEN NEBOOLD BY I AID CLAIMS.			
INSR TYPE OF INSURANCE INSR WVD POLICY NUMBER	POLICY EFF POLICY EXP (MM/DD/YYYY) LIMITS			
A GENERAL LIABILITY SI8ML02067-231	12/31/2023 12/31/2024 FACH OCCURRENCE			
X COMMERCIAL GENERAL LIABILITY	DAMAGE TO RENTED \$ 1,000,000			
CLAIMS-MADE X OCCUR	PREMISES (Ea occurrence) \$ 500,000			
CLAIMS-WADE IT OCCUR	MED EXP (Any one person) \$			
	PERSONAL & ADV INJURY \$ 1,000,000			
	GENERAL AGGREGATE \$ 2,000,000			
GEN'L AGGREGATE LIMIT APPLIES PER:	PRODUCTS - COMP/OP AGG \$ 2,000,000			
POLICY PRO- X LOC	\$			
AUTOMOBILE LIABILITY	COMBINED SINGLE LIMIT (Ea accident)			
ANY AUTO	BODILY INJURY (Per person) \$			
ALL OWNED SCHEDULED AUTOS AUTOS	BODILY INJURY (Per accident) \$			
NON-OWNED	PROPERTY DAMAGE			
	(Per accident) \$			
8166972217 UMBRELLA LIAB OCCUP	\$			
- Juggestung GCCOR	EACH OCCURRENCE \$			
EXCESS LIAB CLAIMS-MADE	AGGREGATE \$			
DED RETENTION\$	\$			
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N	WC STATU- TORY LIMITS OTH- ER			
ANY PROPRIETOR/PARTNER/EXECUTIVE N/A	E.L. EACH ACCIDENT \$			
(Mandatory in NH)	E.L. DISEASE - EA EMPLOYEE \$			
If yes, describe under DESCRIPTION OF OPERATIONS below	E.L. DISEASE - POLICY LIMIT \$			
31				
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remark	s Schedule, if more space is required)			
**For premise liability - this certificate reflects coverage for the dates and local	ion noted below only **			
For product liability – this certificate reflects coverage for product purchased	from the above referenced named insured only			
Additional Insured extension of coverage is provided by above referenced Ger	eral Liability policy where required by written agreement.			
Dates of Coverage for 4th of July Season: 06/20/24 through 07/10/24 Dates of Coverage for Christmas/New Year Season: 12/10/24 through 12/31/2				
Location: 25612 I-30 Bryant, AR 72022	.4			
See Attached				
CERTIFICATE HOLDER	CANCELLATION			
,				
	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE			
	THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVEDED IN			
A-1 Fireworks	ACCORDANCE WITH THE POLICY PROVISIONS.			
24341 Highway 10 East				
Ola AR 72853	AUTHORIZED REPRESENTATIVE			
	30 7 V			

)				
	AGENCY CUSTOMER ID:			
ACORD® ADDITION	ARKS SCHEDULE	Page 1	of _	
AGENCY Acrisure, LLC dba Britton Gallagher		NAMED INSURED Winco Fireworks International LLC 12521 15th Street		
POLICY NUMBER		Grandview MO 64030		
CARRIER	NAIC CODE			
7		EFFECTIVE DATE:		
ADDITIONAL REMARKS				
THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO		NSTIDANCE		

Operator: Carrie Simmons Landowner: Dion Simpson Additional Insured: Dion Simpson; A-1 Fireworks; Carrie Simmons

A-1 FIREWORKS

COMMERCIAL LEASE

This lease is made between <u>Dion Simpson</u>
(Lessor Name)
Of 25550 I-30, Bryant, AR. 72022
(Mailing Address)
Herein called Lessor, and A-1 Fireworks of 24341 Hwy 10 East.
Ola, Arkansas 72853, herein called Lessee.
Lessee hereby offers to lease from Lessor the premises situated in
Or near the <i>City of</i>
County of <u>Saline</u>
State of: Arkansas
Described as: 25612 I-30, Bryant, AR. 72022
(Physical Location Address)

1. Term and Rent: Lessor demises the above premises as well As allowing use of power pole for a term of 45 days per year. Commencing June 1st, and terminating on July 15th for the Selling season of June 20th to July 5th 2024 or sooner and/or For a term of 31 days per year commencing December 15th 2024 and terminating January 15th 2025 as provided herein At the annual rental of;

\$ 3,000.00 Payable, 100% at the time lease is signed and Returned.

- 1. All rental payments shall be made to Lessor, at the address Specified on front page.
- 2: Use. Lessee shall use and occupy the premises for Retail Sales of Fireworks. The premises shall be used for no Other purpose. Lessor represents that the premises may Lawfully be used for such purpose. Lessee may, at the Lessee's Expense, erect tents, utility poles, signs, banners, Balloons, Pendants, flags and other such paraphernalia as Deemed useful to aid in the selling of fireworks. All such Paraphernalia remains the property of the Lessee and will be Removed at the end of the lease agreement.
- 3: Care and Maintenance of Premises: Lessee acknowledges
 That the premises are in good order and repair, unless
 Otherwise indicated herein. Lessee shall, at his own
 Expense and at all times, maintain the premises in good
 Condition and shall surrender the same, at termination
 Hereof, in as good condition as received, normal wear and
 Tear excepted.
- 4: Ordinances and Statutes: Lessee shall comply with all Statutes, ordinances and requirements of all municipal State and federal authorities now in force, or which may Hereafter be in force, pertaining to the premises, Occasioned by or affecting the use thereof by Lessee.
- 5: Assignment and Subletting: Lessee shall not assign this Lease or sublet any portion of the premises without prior Written consent of the Lessor, which shall not be Unreasonably withheld. Any such assignment or Subletting without consent shall be void and, at the option Of the Lessor, may terminate this lease.

- 6: Notices: Any notice, which either party may or is
 Required to give shall be given by mailing the same,
 Postage prepaid, to Lessee or Lessor at
 The address specified on front page, or at such other places
 As may be designated by the parties from time to time.
- 7: Heirs, Assigns, and Successors: This lease is binding Upon and inures to the benefit of the heirs, assigns and Successors in interest to the parties.
- 8. Waiver of Liability: This agreement releases <u>Dion Simpson</u>
 From all liability relating to injuries or damages that may occur
 During the lease of property for the retail sales of fireworks. By
 Signing this agreement, I agree to hold <u>Dion Simpson</u> entirely free
 From any liability, including financial responsibility for injuries or
 Damages incurred, regardless of whether injuries are caused by
 Negligence.
- 9: Entire Agreement: The foregoing constitutes the entire Agreement between the parties and may be modified only By a writing signed by both parties. The following exhibits, If any, have been made a part of this Lease before the Parties' execution hereof:

Signed this <u>23</u> day of <u>April</u> year _	2024.
By: Dian Simpson	(Lessor)
By: Kan Rey	_ (Lessee)

A-1 Fireworks

Commercial Lease

Insurance:

Lessee, at his expense, shall maintain liability insurance including Bodily injury and property damage insuring Lessee and Lessor With minimum coverage as follows: \$500,000.00

Lessee shall provide Lessor with a certificate of insurance showing Lessor as additional insured.

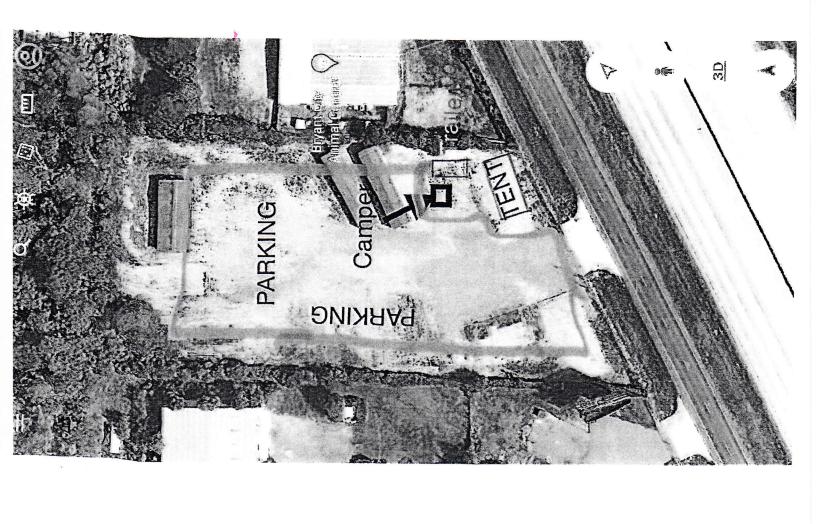
Signed: Piew Singson

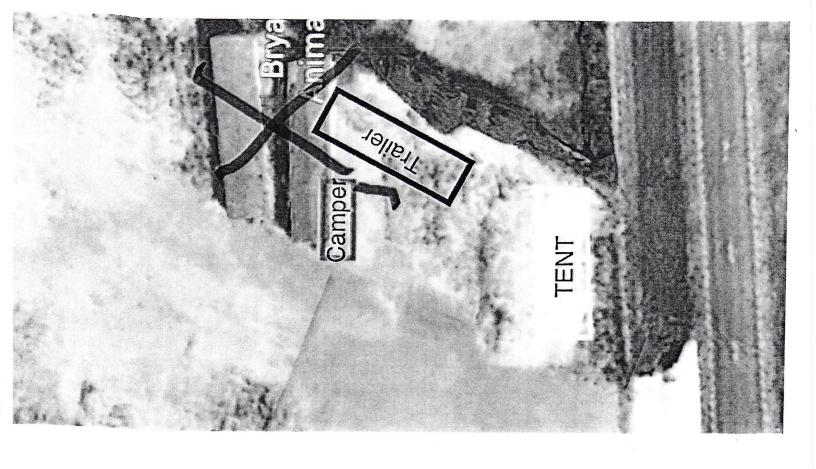
Dated: 4-23-24

Signed: You Res!

Dated: Art. 30, 2024

O = powerpoleVacant building Driveway 50 ft wide 6x30 50x20trailer 8x28







Permit Number FWJ.0001200

THIS LICENSE MUST BE CONSPICUOUSLY DISPLAY IN PLACE OF BUSINESS

Office of Fire Services

Date of Issue 05/01/2023

AND SACURITY & CURITY & CURITY

State Fire Marshal

FIREWORKS LICENSE

This is to certify that

A-1 Fireworks

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

JOBBER-WHOLESALER LICENSE

LICENSE EXPIRES

04/30/2025

AJ GARY

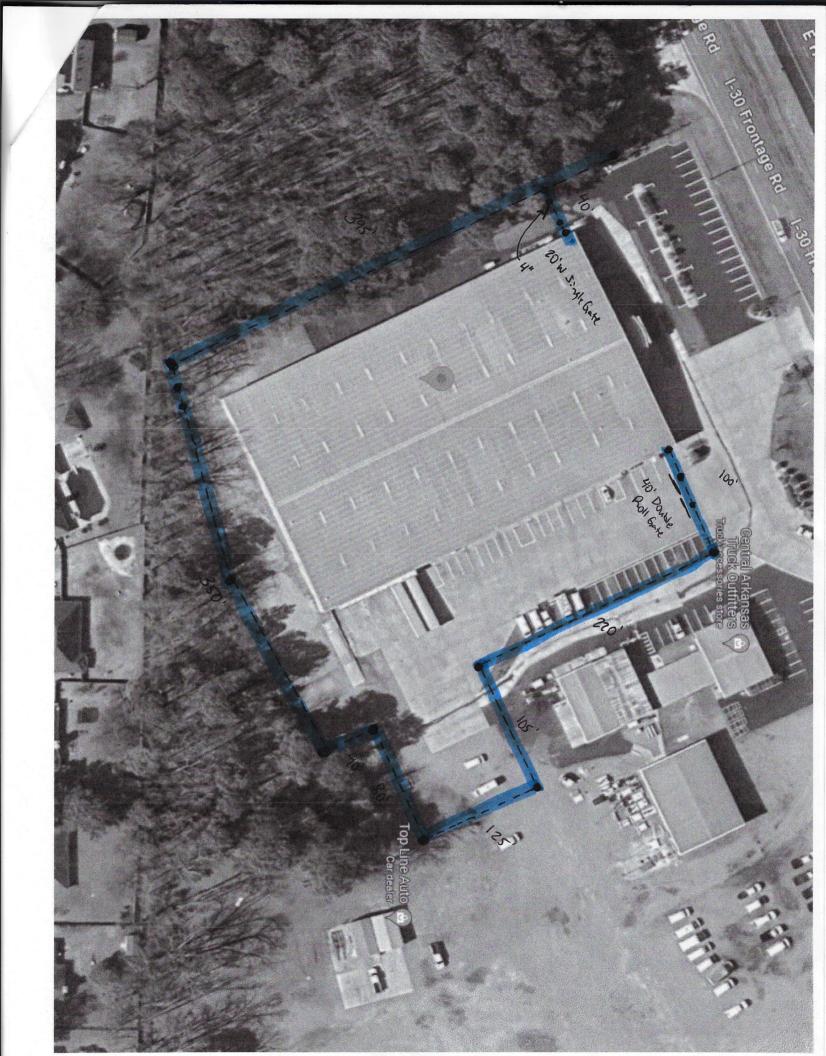
DIRECTOR and STATE HOMELAND SECURITY ADVISOR

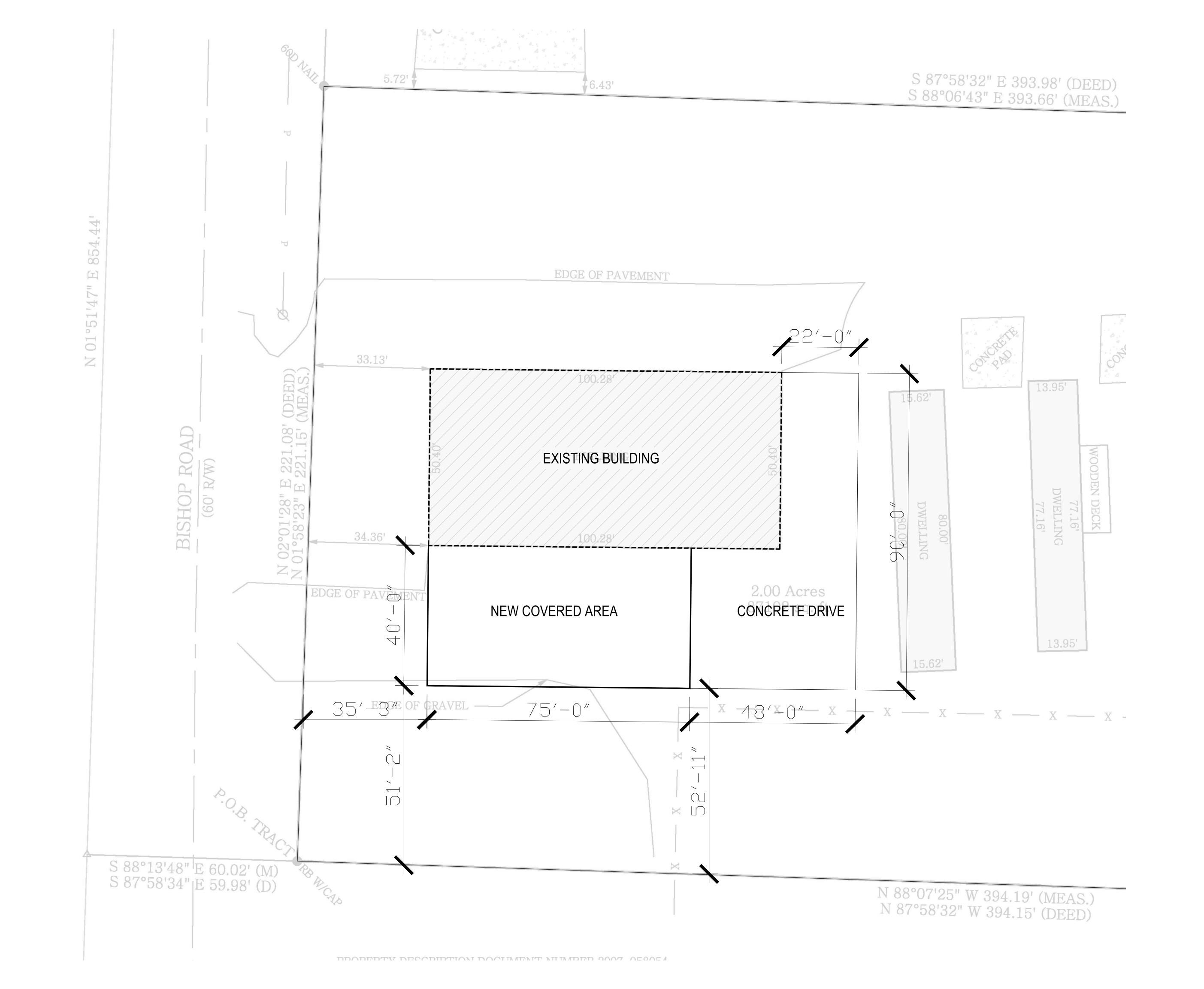


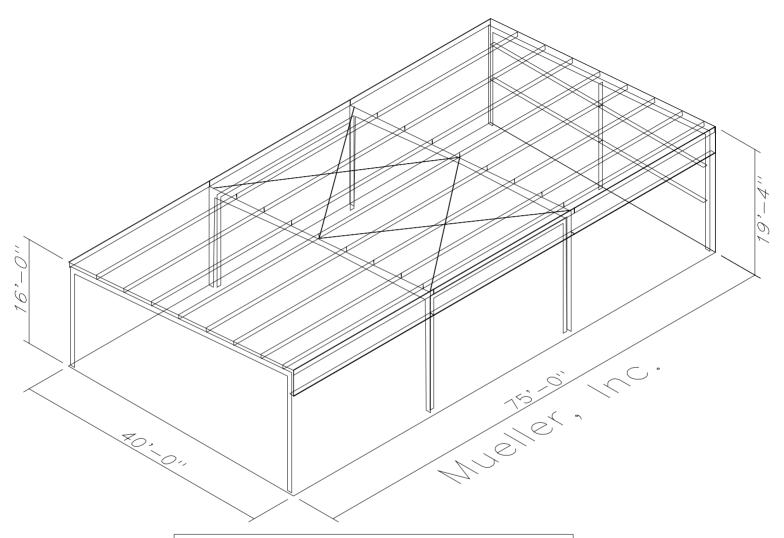
NON TRANSFERABLE

Jake Dennis Free

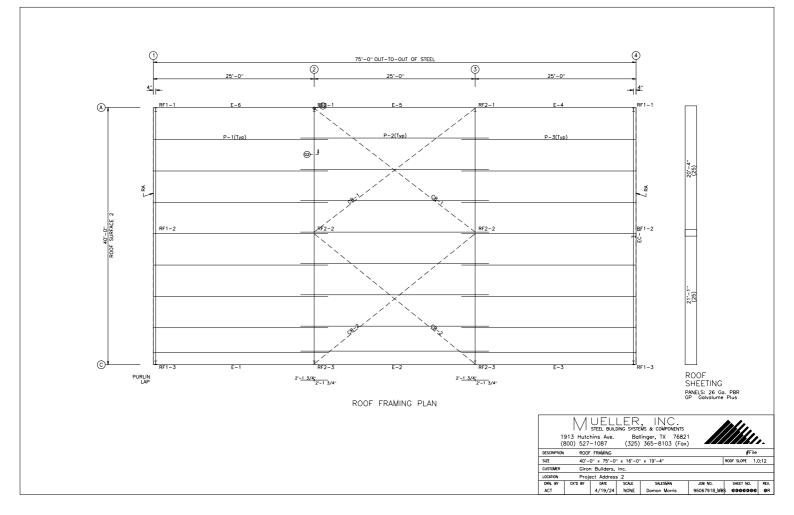
Jake Dennis Free STATE FIRE MARSHAL

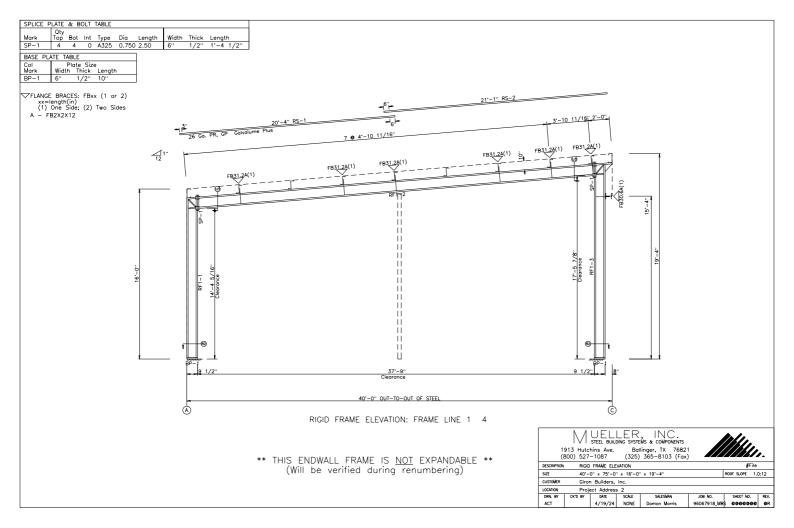


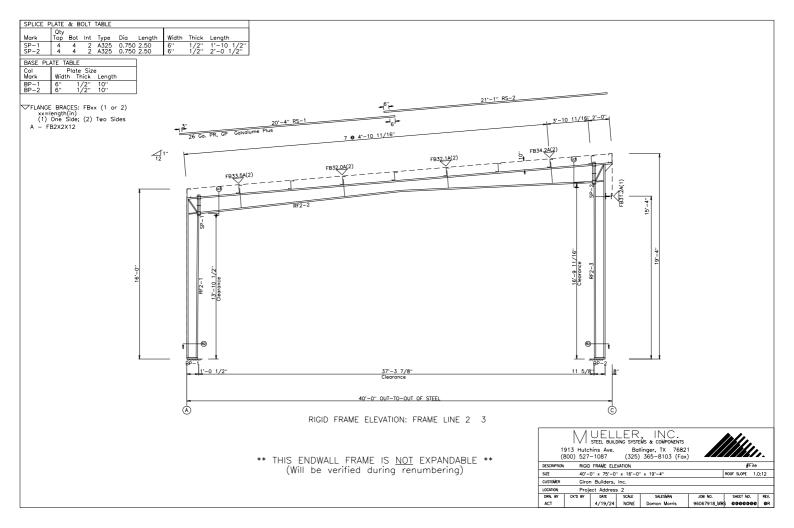


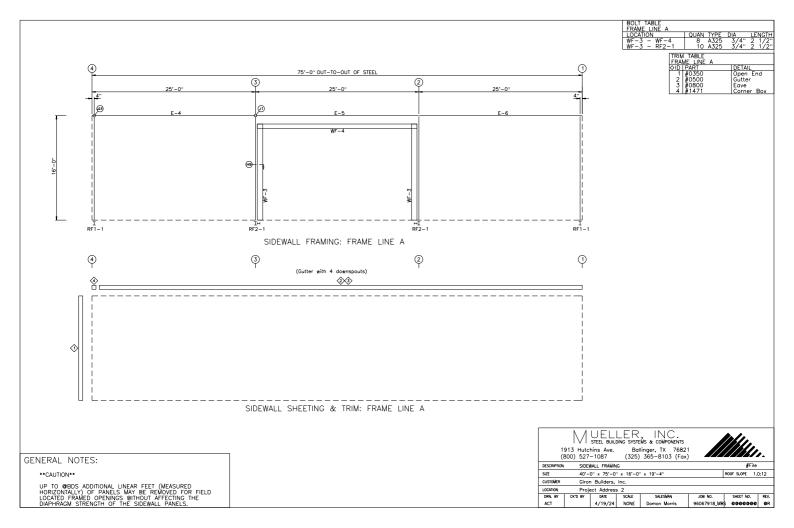


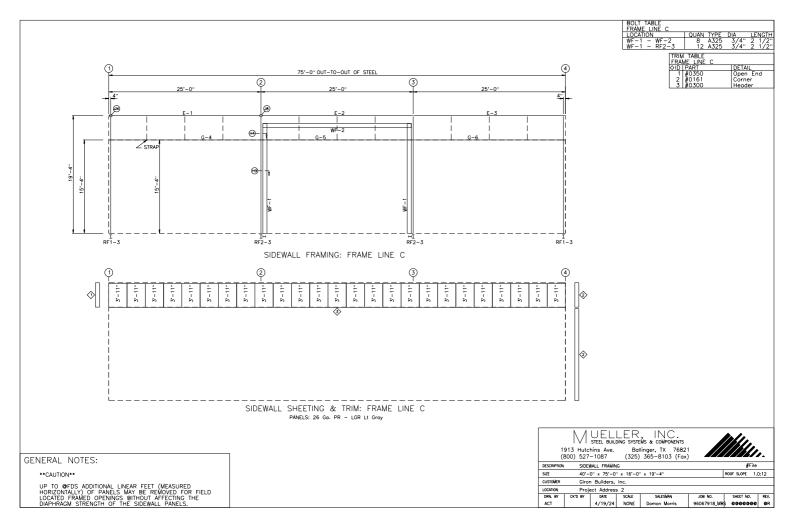
Unless noted, drawings are for conceptual purposes only. Please review for building dimensions and framed openings accuracy. All other aspects such as wall girt and roof purlin spacing, wind bracing locations, etc. may change during engineered design unless noted in the "Special Requirements" section of the contract.



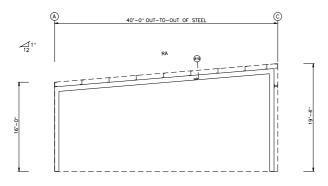




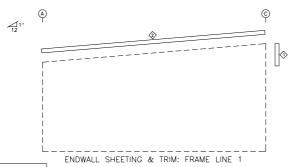




TRIM TABLE FRAME LINE 1	
♦ID PART	DETAIL
1 #0350	Open End
2 #1440	Rake



ENDWALL FRAMING: FRAME LINE 1



GENERAL NOTES:

ROOF SLOPES GREATER THAN 1:12 REQUIRE ENDWALL PANELS BE FIELD CUT TO MATCH ROOF SLOPE.

CAUTION

UP TO @LDS ADDITIONAL LINEAR FEET (MEASURED HORIZONTALLY) OF PANELS MAY BE REMOVED FOR FIELD LOCATED FRAMED OPENINGS WITHOUT AFFECTING THE DIAPHRAGM STRENGTH OF THE ENDWALL PANELS.

ALL ENDWALL COLUMNS AND JAMBS ARE DESIGNED AS "POSTS" AS DEFINED BY OSHA AND ARE NOT INTENDED TO BE CLIMBED ON UNTIL FULLY BRACED.

M UELLER, INC.

1913 Hutchins Ave. Ballinger, TX 76821 (800) 527-1087 (325) 365-8103 (Fax) DESCRIPTION

ENDWALL FRAMING #File 40'-0" x 75'-0" x 16'-0" x 19'-4" ROOF SLOPE 1.0:12

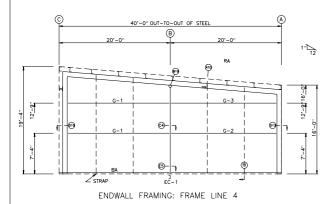
SHEET NO.

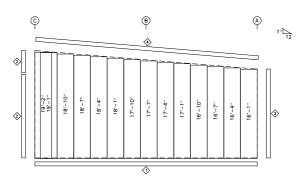
CUSTOMER Giron Builders, Inc. LOCATION Project Address 2 DRN. BY

SIZE

DATE SALESWAN 4/19/24 96067918 MBS @@@@@@@

BOLT TABLE FRAME LINE 4		
LOCATION		DIA LENGTH
Columns/Raf	2 A325	5/8" 2"
TRIM FRAM ◇ID	TABLE (E LINE 4 PART	DETAIL
1 2 3 4	#0330 #0161 #0350 #1440	Base Corner Open End Rake





ENDWALL SHEETING & TRIM: FRAME LINE 4
PANELS: 26 Go. PR - LGR Lt Groy

GENERAL NOTES:

ROOF SLOPES GREATER THAN 1:12 REQUIRE ENDWALL PANELS BE FIELD CUT TO MATCH ROOF SLOPE.

CAUTION

UP TO @RDS ADDITIONAL LINEAR FEET (MEASURED HORIZONTALLY) OF PANELS MAY BE REMOVED FOR FIELD LOCATED FRAMED OPENINGS WITHOUT AFFECTING THE DIAPHRAGM STRENGTH OF THE ENDWALL PANELS.

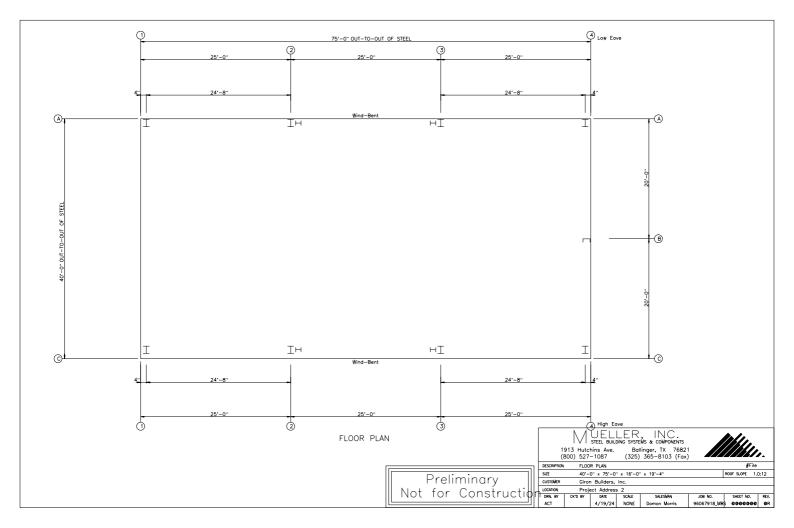
ALL ENDWALL COLUMNS AND JAMBS ARE DESIGNED AS "POSTS" AS DEFINED BY OSHA AND ARE NOT INTENDED TO BE CLIMBED ON UNTIL FULLY BRACED.





DESCRIPTION	ENDWALL FRAMING	#File
SIZE	40'-0" x 75'-0" x 16'-0" x 19'-4"	ROOF SLOPE 1.0:12
CUSTOMER	Giron Builders, Inc.	

LOCATION	Proje	ect Addres:	s 2				
DRN. BY		DATE	SCALE	SALESMAN	JOB NO.	SHEET NO.	REV.
ACT	1	4/19/24	NONE	Damon Morris	96067918_MB	0000000	@R



Designing our client's success

P.O. Box 116

3825 Mt Carmel Rd

Benton, AR 72018

Bryant, AR 72022

Ph (501) 408-4650

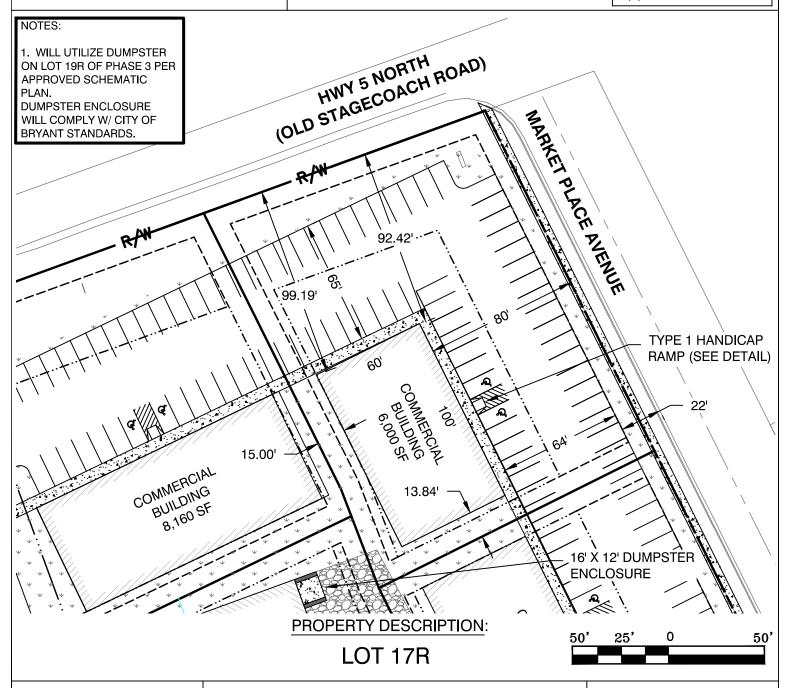
garnatengineering@gmail.com

FOR EXCLUSIVE USE & BENEFIT OF:

Name: BART FERGUSON

LEGEND

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



JOB NUMBER:

18087 MARKET PLACE II PHASE 3

05/08/24

PLOT PLAN

This Plot Plan depicts the lot as it appears on the subdivision final plat. This drawing does not represent an actual survey.



Designing our client's success

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Benton, AR 72018

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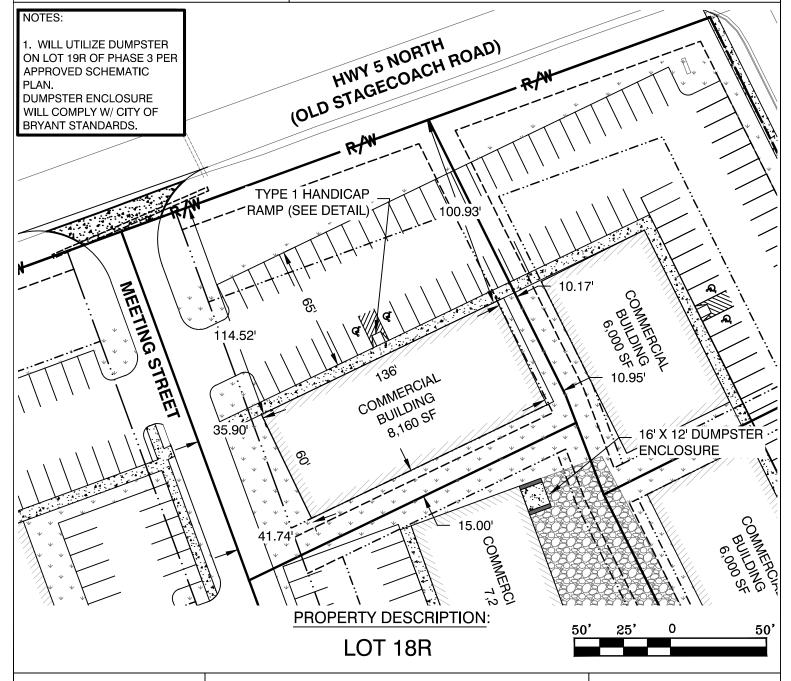
garnatengineering@gmail.com

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LEGEND

▲ - Computed point

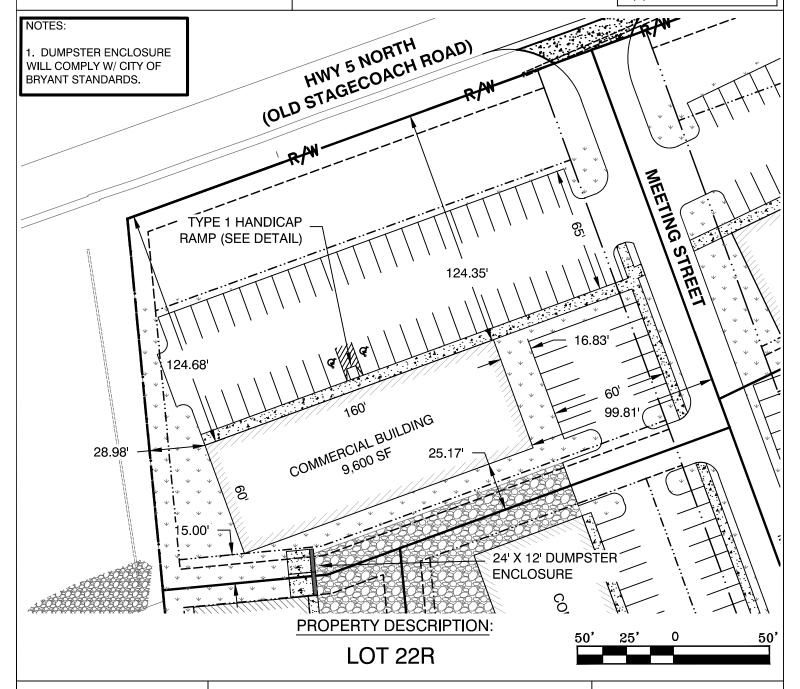
Found monument

- Set #4 RB/Plas. Cap

(M)-Measured

(R)-Record

(P)-Platted



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Benton, AR 72018

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Bryant, AR 72022

P.O. Box 116 3825 Mt Carmel Rd

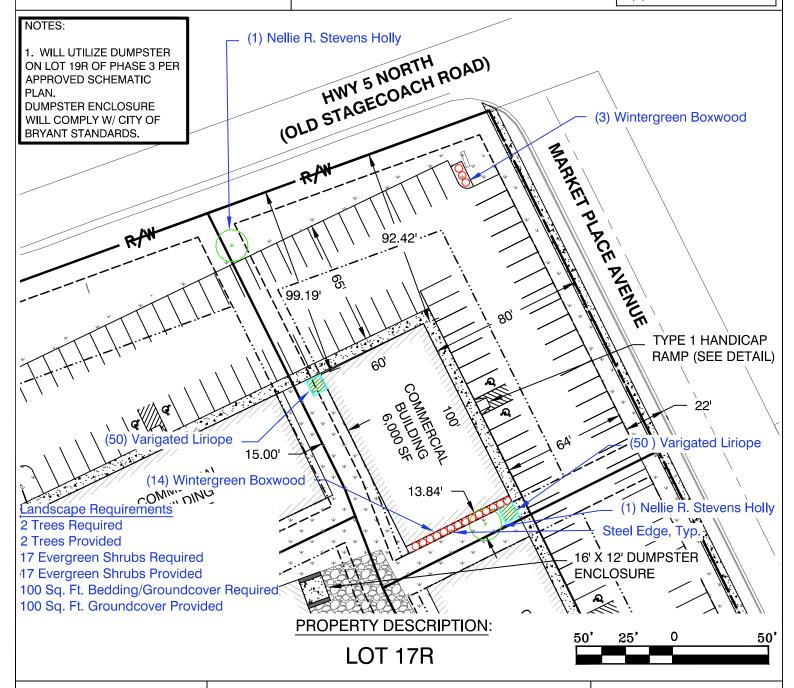
Ph (501) 408-4650 garnatengineering@gmail.com

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LEGEND

▲ - Computed point

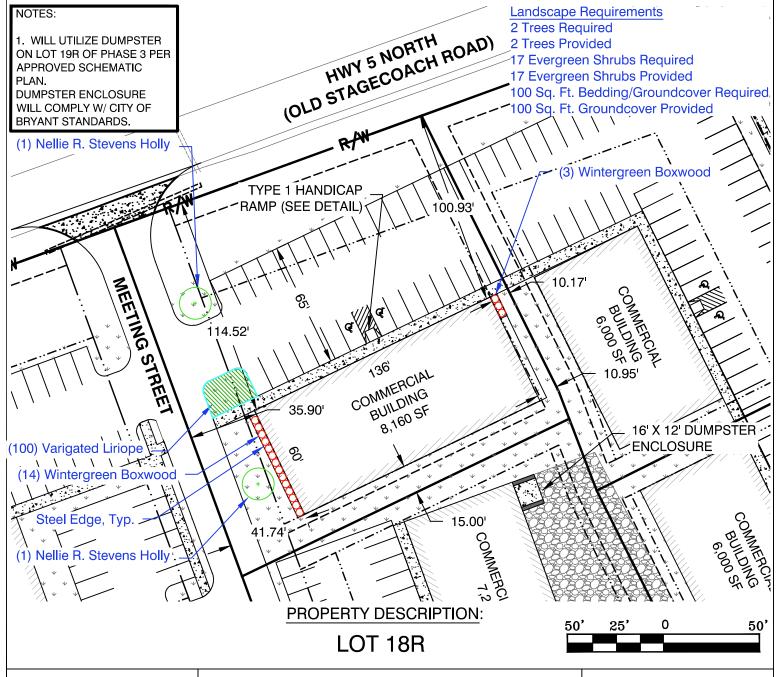
Found monument

- Set #4 RB/Plas. Cap

(M)-Measured

(R)-Record

(P)-Platted



JOB NUMBER:

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Bryant, AR 72022

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LEGEND

▲ - Computed point

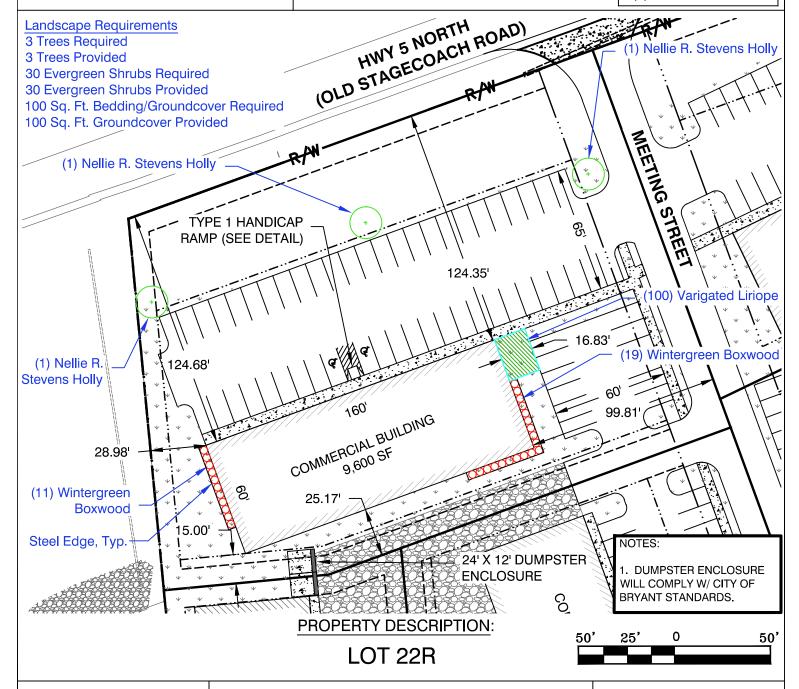
Found monument

- Set #4 RB/Plas. Cap

(M)-Measured

(R)-Record

(P)-Platted



JOB NUMBER:

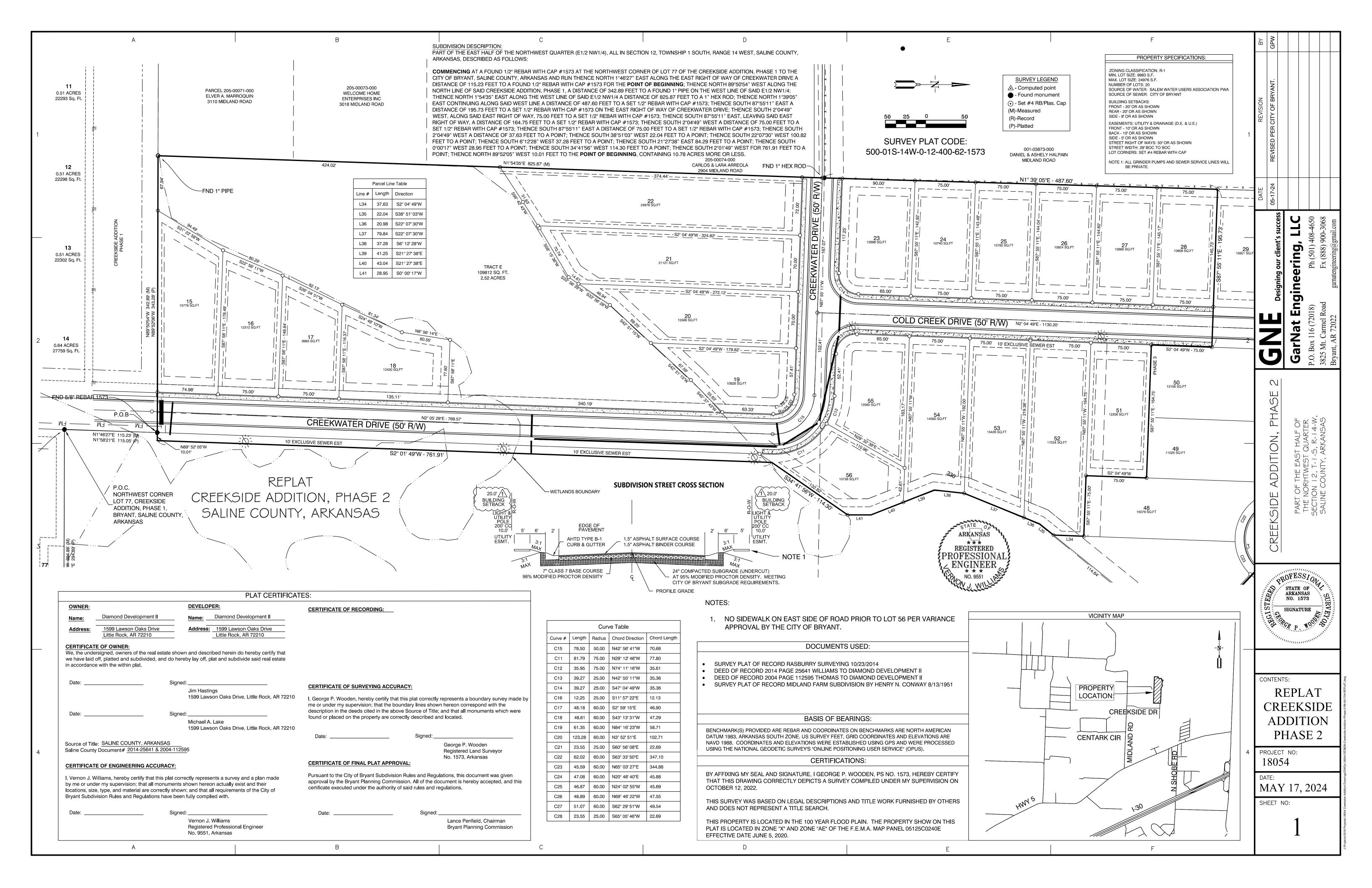
18087 MARKET PLACE II PHASE 3

05/08/24

PLOT PLAN

This Plot Plan depicts the lot as it appears on the subdivision final plat. This drawing does not represent an actual survey.







, Alicia Walton

Staff Approved 6 Facade
Signs. Pole Sign to be
Approved by DRC on 5/30/24.

5/23/24

SIGN PERMIT APPLICATION

Applicants are advised to read the Sign Ordinance prior to completing and signing this form.

The Sign Ordinance is available at www.cityofbryant.com under the Planning and Community

Development tab.

Date:		Note: Electrical Permits may be Required, Please contact the Community Development Office for more information.			
Sign Co. or Sign Owner	Property Owner	Elisw moter 73			
{Name} Alicia Walton - Springfield Sign	Name Michael Lanno	on			
Address 4825 E. Kearney St	Address 529 N Prine				
City, State, Zip Springfield MO 65803	City, State, Zip Spring	field MO 65803			
Phone 417-862-2454	Phone 417-860-4714				
Email Address aliciaw@springfieldsign.com	Email Address michael.lannon@cmcmod.con				
Name of Business Seven Brew Address/Location of sign 2202 Reynolds Dr Bry Zoning Classification C-2	ant AR				
Please use following page to provide details on to provided on this application, a Site Plan showing property is required to be submitted. Renderings required to be submitted with the application. A collected at the time of permit issuance. According special sign permit request shall be one hundred required by Sign Administrator.	placement of sign(s) and s of the sign(s) showing the thirty-five dollar (\$35) pe ng to the Sign Ordinance a	any existing sign(s) on the ne correct dimensions is also r sign payment will be a fee for and sign variance or			
READ CAREFULLY BEFORE SIGNING					

and correct. I fully understand that the terms of the Sign Ordinance supersede the Sign Administrator's approval and that all signs must fully comply with all terms of the Sign Ordinance regardless of approval. I further certify that the proposed sign is authorized by the owner of the property and that I am authorized by the property owner to make this application. I understand

_, do hereby certify that all information contained within this application is true

that no sign may be placed in public right of way. I understand that I must comply with all Building and Electrical Codes and that it is my responsibility to obtain all necessary permits.

Use table below to enter information regarding each sign for approval. Please use each letter to reference each sign rendering.

SIGN	Type (Façade, Pole, Monument, other)	Dimensions (Height, Length, Width)	Sqft (Measured in whole as rectangle)		t of Sign rom lot surface)	Column for Admin Certifying Approval
		alis	and the control of th	Top of Sign	Bottom of Sign	
Α	Front Wall	6' x 6'	36 28.27	16' 10.2"	10'10.2"	
В	Drive Thru wall	3' 2 1/8 x 10'	31.76	20' 3.8"	12' 4.5"	:916
BE	Main wall	3' 2 1/8 x 10'	31.76	20' 3.8"	12' 4.5"	gi to 100 mg
DE	Front panel	1' 7 3/8 x 4'9"	7.66	2' 5.375"	10'	
CK	Side panel x 2	1' 7 3/8 x 4'9"	7.66	9' 11.3	8'4.5"	1,000
Eg	Pole sign	9' 4" x 9' 6"	88.63 63.62	25'	16	1 h =

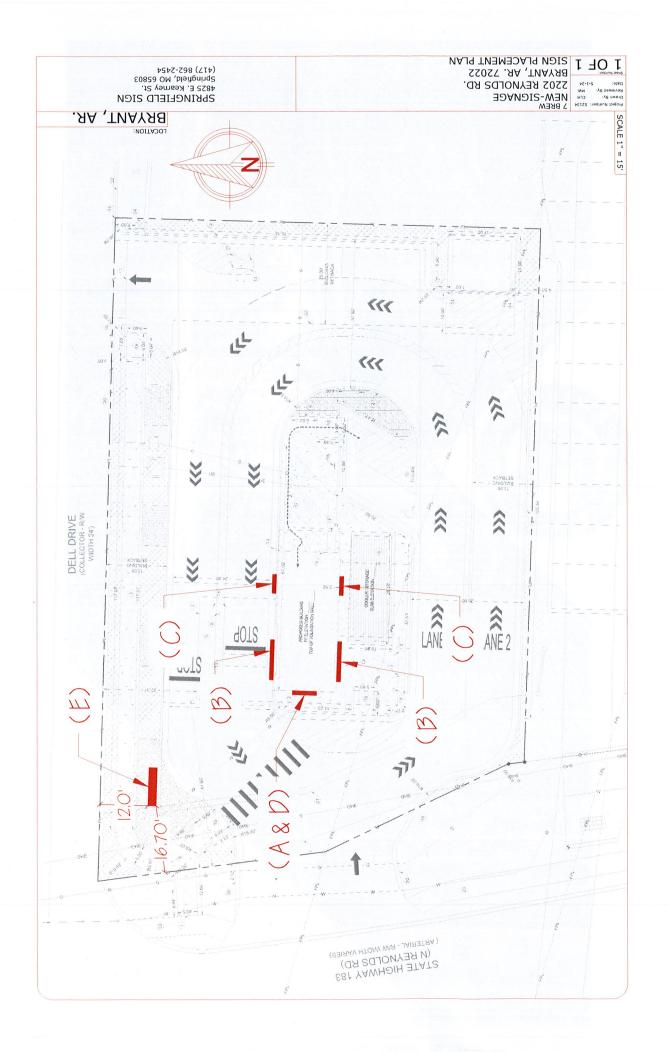
According to sign Code, All signage is Measured as a Rectangle. 211.13 Total SF on Site

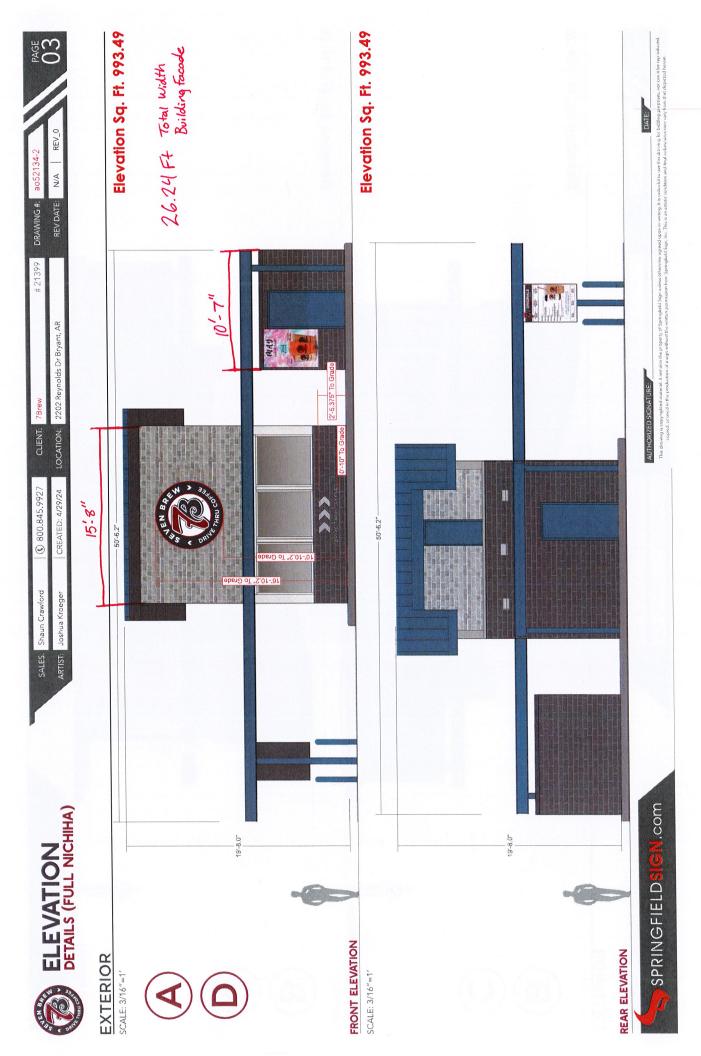
Round Loge "Seven Brew" "Seven Brew" Front "Drive" Thru Side "Drive Thr



PRESENTED BY
SHAUNCRAWFORD

a: 4825 E. Kearney St. Springfield, MO 65803

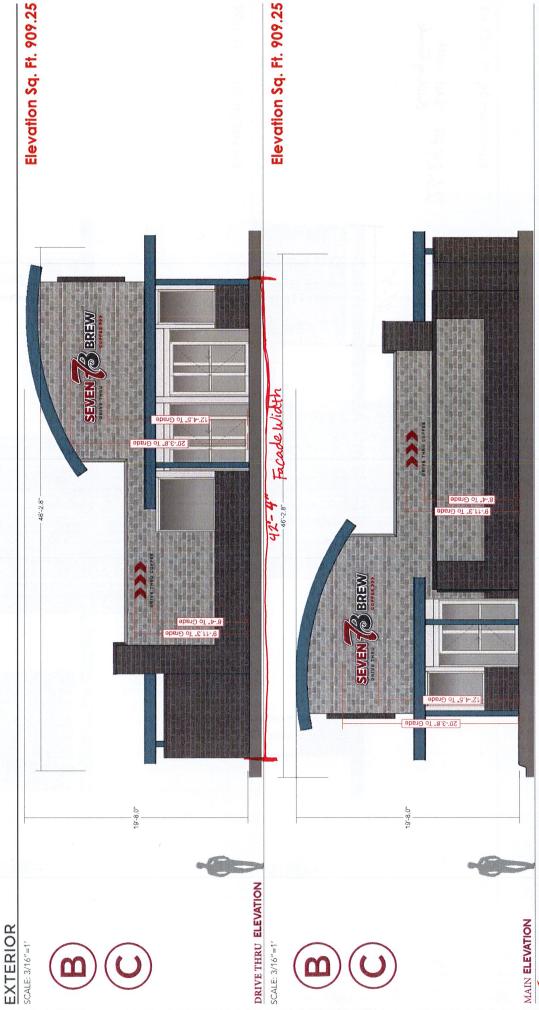
















CREATED: 4/29/24 Shaun Crawford ARTIST: Joshua Kroeger SALES:

© 800.845.9927

REV DATE: 12/18/23

LOCATION: 2202 Reynolds Dr Bryant, AR

REV_1

WALL SIGN

.0.0-.9

EXTERIOR SCALE: 1/2"=1'

- FLUSH MOUNT CABINET
 WHITE EMBOSSED ACRYLIC PAN FACE
 INTERNAL LED ILLUMINATION

 - FLUSH MOUNTED TO FASCIA CUT VINYL APPLIED FIRST SURFACE BLACK TRIM AND RETURNS

O EW

N II THE

6.-0.0"

Total Sq. Ft. 28.27



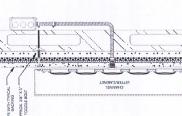
PAN COHE

DIRECT

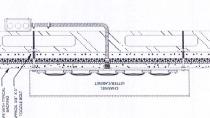
6 ATTACHMENT POINTS

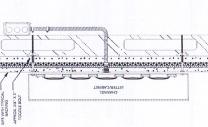
BLACK

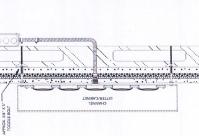




745













THEU COTTE





LOCATION: CREATED: 4/29/24 © 800.845.9927 Shaun Crawford ARTIST: Joshua Kroeger

REV_0

N/A

REV DATE:

2202 Reynolds Dr Bryant, AR

WALL SIGN

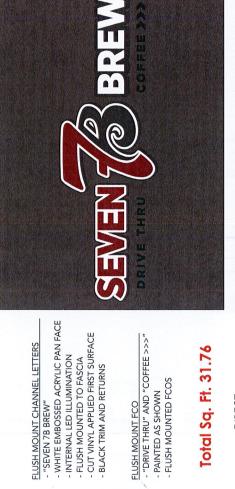
SCALE: 3/4"=1' Quantity: 2

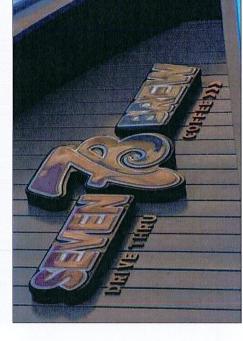
EXTERIOR



31/4" COFFEE >>>

FLUSH MOUNT FCO
- "DRIVE THRU" AND "COFFEE >>>"
- PAINTED AS SHOWN - FLUSH MOUNTED FCOS





DIRECT

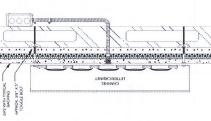
34 3/4"

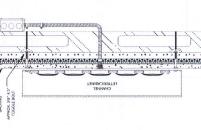
26 ATTACHMENT POINTS

BLACK

PANTONE 202 C

34 11/16"









EXTERIOR SCALE: 1-1/2"=1'
Quantity: 2

LOCATION: 2202 Reynolds Dr Bryant, AR CLIENT: © 800.845.9927 CREATED: 4/29/24 Shaun Crawford ARTIST: Joshua Kroeger

REV DATE:

REV_0 N/A **WALL SIGN**

ELUSH MOUNT FCOs
- 1/2" ACRYLIC FCOs
- PAINTED AS SHOWN
- FLUSH MOUNTED
- INSTALL LOCATION ON PREY. DRAWINGS

Total Sq. Ft. 7.66

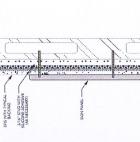


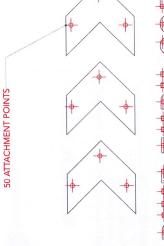
1'-7 3/8"

AZKO NOBEL BRUSHED ALUMINUM

DRIVE THRU COFFEE







WOOD OR METAL STUD

.com SPRINGFIELD



REV_0 REV DATE: N/A DRAWING #: LOCATION: 2202 Reynolds Dr Bryant, AR © 800.845.9927 CREATED: 4/29/24 Shaun Crawford Joshua Kroeger SALES: ARTIST:

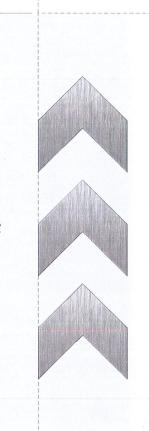
WALL SIGN

FLUSH MOUNT FCOs
- 1/4" BRUSHED ACM FCO
- FACE AS SHOWN
- FLUSH MOUNTED
- INSTALL LOCATION ON PREV. DRAWINGS

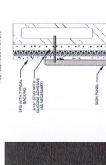
Total Sq. Ft. 7.66

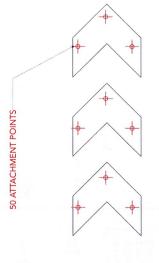
BRUSHED ALUMINUM

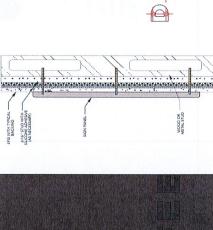
EXTERIOR SCALE: 1-1/2"=1' Quantity: 1



1'-7 3/8"











© 800.845.9927 CREATED: 4/29/24 Shaun Crawford Joshua Kroeger ARTIST: SALES:

REV_0 N/A REV DATE:

PYLON

DRAWING #:

2202 Reynolds Dr Bryant, AR

CLIENT: LOCATION:

DAY VIEW

DETAIL VIEW

Ш

DETAIL VIEW

88.63 SF Measured as a Rectargle

63.62 SQFT

EXTERIOR

OF W

(m)

BA

NEWEN

<

9'-4 15/16"

(4)

-9,-6

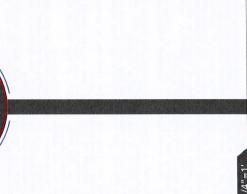






25'-0"

WIND COLLER





SCALE: 1/8"=1'

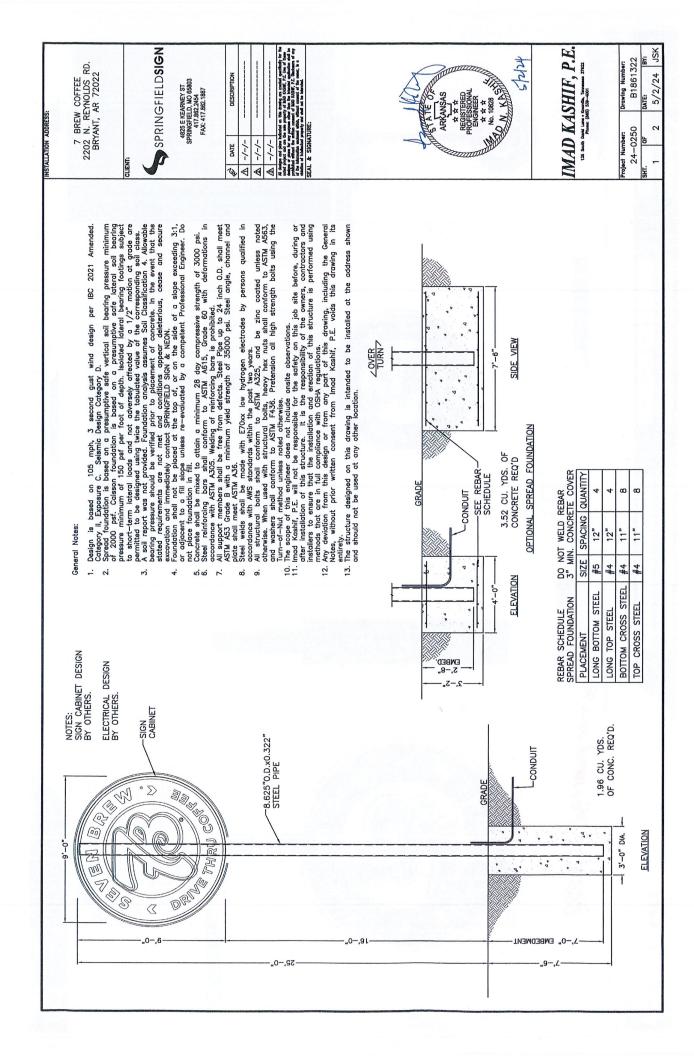
.com SPRINGFIELD

STRUCTURAL PIPE
- DIAMETER AND STAGING DETERMINED BY ENGINEERING
- PAINTED BLACK

BLEED FACE FLEX FACES
- ARTWORK CREATED WITH TRANSLUCENT VINYL

DIF ALUMINUM FLEX FACE PYLON CABINET
 Black PAINTED CABINET AND SIDE TRIM
 BLUE FAUX NEON AROUND OUTSIDE OF CABINET
 INTERNAL LED ILLUMINATION

SCALE: 3/8"=1'



PROJECT PROJ
10 10 10 10 10 10 10 10
10
2002 N REPNOCAFIEE 2002 N REPROCAFIEE 2002 N REPROCAFIEE 2002 N REPROCAFIEE 2003 N
24-0250 OWINER
24-0250 OWNERS 20.66 ESF CLEMT. 105 ESF CLEMT. 105 ESF CLEMT. 105 ESF CLEMT. 105 ESF CLEMT. ESF CLEMT. ESF ESF CLEMT. ESF
8 625 0 30 8 6 6 7 9 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1
24-0250 B1861:322 20.66 105 115 115 115 115 115 115 115 115 115
PROJECT # hay 2, 2024 PRAVINGE PRAVINGE PRAVINGE WIND LOAD WIND STEED # COLUMNS DESIGNER # HBGHT # HBGHT # COLUMNS COLUMNS # WUDTH # WUDTH # WUDTH # WATTH # BBAR # WATTH # WATT

IMAD KASHIFF, P.E.

1.963 CU. YD.

CONCRETE

roject Number:	mber	Drawing Number:	r.
24-	24-0250	B1861322	22
HT.	JO.	DATE:	BY:
2	2	5/2/24	JSK

SIGN PURCHASE AGREEMENT

This agreement, made and entered into this ______ day of _____ (month), 20 ____ (year), by and between Springfield Sign & Graphics, INC. d/b/a Springfield Sign (herein after referred to as Seller), and Buyer (as outlined below and labeled as Buyer) witnesseth, that the Seller agrees to manufacture for Buyer the sign(s) and/or other sign products/services as outlined in a separate E2 document as follows, QUOTE Number: or other such unique document of description as follows:

DESCRIPTION

JOB DETAILS: BUYER:

All wing on the premises to the size of the signor installed location, including the connection of the sign of such primary winds appeared to the size of the signor installed location, including the connection of the sign of the size of the size

Mark Wessell, CEO Springfield Sign 4825 E Kearney St Springfield, MO 65803 ACCEPTED: SELLER: DATE /We have read this entire agreement and agree to defend and hold harmless Seller as stated herein. ACCEPTED: Buyer's Guarantee to Build (initi PRINTED NAME: BUYER:

Lo COUNTER THE ALL CANNERS AT CARROLL CHIEF AND ADDRESS AT A SECTION OF THE ALL CANNERS AT CARROLL CHIEF AND ADDRESS AT CARROLL CHIE

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Operation with the expopage without control of sights Broad interaction of Select range of selection of Selec

of all developed protection of the country of page 18 and 18 and

examined to do science, and 25th in a collection comprehensive plant and commercial collections are contracted on contracted or contracted or



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

SIGN PERMIT APPLICATION

Applicants are advised to read the Sign Ordinance prior to completing and signing this form.

The Sign Ordinance is available at www.cityofbryant.com under the Planning and Community

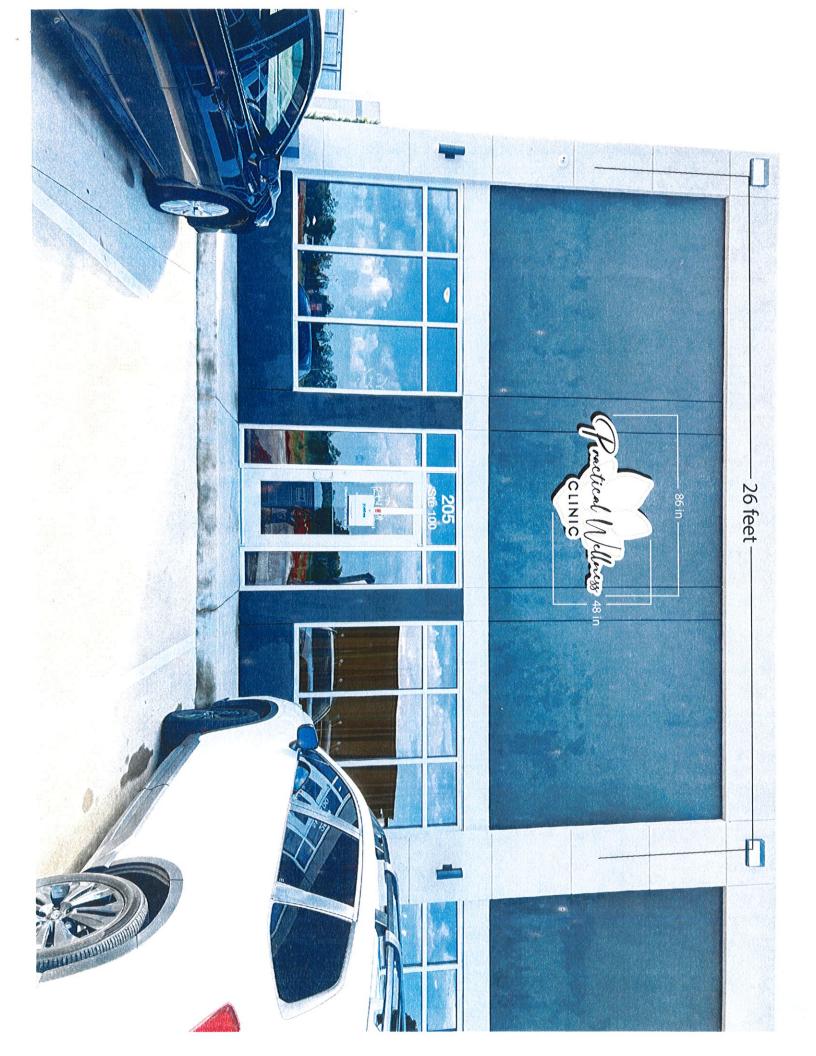
Development tab.

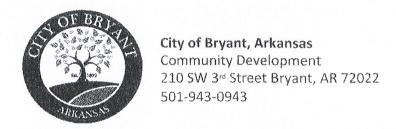
Developme	ent tab.
Date: 5/1/2024	Note: Electrical Permits may be Required, Please contact the Community Development Office for more information.
Sign Co. or Sign Owner	Property Owner
Name L. GOOP WCS Address 701 N. Rey rolds Rd City, State, Zip Boyou AR72022 Phone (501) 653-4444 Alternate Phone	Name Bart Furguson Address 205 progress Wayste City, State, Zip Bryant, AR 72022 Phone (501) 840-2282 Alternate Phone
GENERAL INFORMATION	
Name of Business 205 Progress W	ay Ste. 100
Name of Business 205 Progress We Address/Location of sign Practical We	llus Clinic
Zoning Classification C	
Please use following page to provide details on the provided on this application, a Site Plan showing plan property is required to be submitted. Renderings of required to be submitted with the application. A this collected at the time of permit issuance. According special sign permit request shall be one hundred dollar required by Sign Administrator.	icement of sign(s) and any existing sign(s) on the the sign(s) showing the correct dimensions is also rty-five dollar (\$35) per sign payment will be to the Sign Ordinance a fee for and sign variance or
READ CAREFULLY BEFORE SIGNING	
and correct. I fully understand that the terms of the Sign Ordinansigns must fully comply with all terms of the Sign Ordinance regar	dless of approval. I further certify that the proposed sign is

that no sign may be placed in public right of way. I understand that I must comply with all Building and Electrical Codes and that it is my responsibility to obtain all necessary permits.

Use table below to enter information regarding each sign for approval. Please use each letter to reference each sign rendering.

SIGN	Type (Façade, Pole, Monument, other)	Dimensions (Height, Length, Width)	Sqft (Measured in whole as rectangle)		t of Sign rom lot surface)	Column for Admin Certifying Approval
				Top of Sign	Bottom of Sign	
Α	selt Containt	48"×86"	28	17	13	
В						
С	A					
Е	-					
F						
G						





SIGN PERMIT APPLICATION

Applicants are advised to read the Sign Ordinance prior to completing and signing this form. The Sign Ordinance is available at www.cityofbryant.com under the Planning and Community Development tab.

Date: 5/1/2024		Note: Electrical Permits may be Required, Please contact the Community Development Office for more information.
Sign Co. or Sign Owner	Property Owner	
Name L. Graphics	Name Bart Fr	urguson
Name L. GARWICS Address 70/ N. Reynolds Rd City, State, Zip Boyarl AR72022	Address 3507 /	Market glace
City, State, Zip Squarl AR72022	City, State, Zip	V
Phone (501) 653-4444	Phone	The second secon
Alternate Phone	Alternate Phone	
Name of Business EVie Brooks Address/Location of sign 3507 Market		·
Zoning Classification		
Please use following page to provide details on the provided on this application, a Site Plan showing plan property is required to be submitted. Renderings or required to be submitted with the application. At hacollected at the time of permit issuance. According special sign permit request shall be one hundred do required by Sign Administrator.	acement of sign(s) and a f the sign(s) showing th irty-five dollar (\$35) per to the Sign Ordinance a	any existing sign(s) on the e correct dimensions is also sign payment will be fee for and sign variance or
READ CAREFULLY BEFORE SIGNING I	ice supersede the Sign Admir	histrator's approval and that all
authorized by the owner of the property and that I am authorize		

that no sign may be placed in public right of way. I understand that I must comply with all Building and Electrical Codes and that it is my responsibility to obtain all necessary permits.

Use table below to enter information regarding each sign for approval. Please use each letter to reference each sign rendering.

SIGN	Type (Façade, Pole, Monument, other)	Dimensions (Height, Length, Width)	Sqft (Measured in whole as rectangle)	(Measured f	t of Sign rom lot surface)	Column for Admin Certifying Approval
				Top of Sign	Bottom of Sign	
Α	Wall mount Channel letter	124"×30"	28	16	13.5	
8						
С	and and the second				1	
E						
F		and and an annual section of the first of the contract of the		A DE ACELORIES TREETED BEFORE THE PROPERTY OF		
G		And Andrews company of company of company during a company of the				

20 feet

124 in

Evie Brooks





SIGN PERMIT APPLICATION

Applicants are advised to read the Sign Ordinance prior to completing and signing this form. The Sign Ordinance is available at www.cityofbryant.com under the Planning and Community Development tab.

04/30/24 Date:	Note: Electrical Permits may be Required, Please contact the Community Development Office for more information.				
Sign Co. or Sign Owner	Property Owner				
Name ARKANSAS SIGN & NEON	Name SPLASH CAR WASH				
Address 8525 DISTRIBUTION DR	Address 107 BRYANT AVE				
City, State LibTLE ROCK, AR 72209	City, State, Zip BRYANT AR				
501-562-3942 Phone	Phone				
Email Address_lora@arkansassign.com	Email Address <u>AMIDDLETON@MIDDLETONINC.COM</u>				
GENERAL INFORMATION SPLASH CAR WASH Name of Business					
Address/Location of sign 107 BRYANT AVE, BRYA	ANT AR				
Zoning Classification					

Please use following page to provide details on the signs requesting approval. Along with information provided on this application, a Site Plan showing placement of sign(s) and any existing sign(s) on the property is required to be submitted. Renderings of the sign(s) showing the correct dimensions is also required to be submitted with the application. A thirty-five dollar (\$35) per sign payment will be collected at the time of permit issuance. According to the Sign Ordinance a fee for and sign variance or special sign permit request shall be one hundred dollars (\$100). Additional documentation may be required by Sign Administrator.

and correct. I fully understand that the terms of the Sign Ordinance supersede the Sign Administrator's approval and that all signs must fully comply with all terms of the Sign Ordinance regardless of approval. I further certify that the proposed sign is authorized by the owner of the property and that I am authorized by the property owner to make this application. I understand

READ CAREFULLY BEFORE SIGNING

that no sign may be placed in public right of way. I understand that I must comply with all Building and Electrical Codes and that it is my responsibility to obtain all necessary permits.

Use table below to enter information regarding each sign for approval. Please use each letter to reference each sign rendering.

SIGN	Type (Façade, Pole, Monument, other)	Dimensions (Height, Length, Width)	Sqft (Measured in whole as rectangle)		t of Sign om lot surface)	Column for Admin Certifying Approval
				Top of Sign	Bottom of Sign	
А	WALL	48" X 131"	43.5	16'	12'	
В						
С		JOB (COST 4	850.00		
Е						
F						
G						



City of Bryant, Arkansas

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

SIGN PERMIT APPLICATION

Applicants are advised to read the Sign Ordinance prior to completing and signing this form. The Sign Ordinance is available at savv.orgotheyan.com under the Planning and Community Development tab.

Date: 4-24-24

Note: Electrical Permits may be Required, Please contact the Community Development Office for more information.

Sign Co. or Sign Owner

Name SOUTHPAW DESIFIES

Address 406 HWY5 N

City, State, Zip BENTON 4R 72019

Phone 501-563-4725

Email Address south pow designs of yahoo.com

Property Owner

Name MIKE YAFAI

Address 319 BRYANT AUC

City, State, Zip BRYANT, AR

Phone 561-615-3327

Email Address EmpIRE WHOLESALE 3 BOD Egmail.com

GENERAL INFORMATION

Name of Business EMPIRE VAPE + TORACKED

Address/Location of sign 319 BRYANT AVE BRYANT AR

Zoning Classification

Please use following page to provide details on the signs requesting approval. Along with information provided on this application, a Site Plan showing placement of sign(s) and any existing sign(s) on the property is required to be submitted. Renderings of the sign(s) showing the correct dimensions is also required to be submitted with the application. A thirty-five dollar (\$35) per sign payment will be collected at the time of permit issuance. According to the Sign Ordinance a fee for and sign variance or special sign permit request shall be one hundred dollars (\$100). Additional documentation may be required by Sign Administrator.

READ CAREFULLY BEFORE SIGNING

1 Sobs Barton, do hereby certify that all information contained within this application is true and correct. I fully understand that the terms of the Sign Ordinance supersede the Sign Administrator's approval and that all signs must fully comply with all terms of the Sign Ordinance regardless of approval. I further certify that the proposed sign is authorized by the owner of the property and that I am authorized by the property owner to make this application. I understand

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Use table below to enter information regarding each sign for approval. Please use each letter to reference each sign rendering.

SIGN	Type (Façade, Pole, Monument, other)	Dimensions (Height, Length, Width)	Sqft (Measured in whole as rectangle)	Height of Sign (Measured from lot surface)		Column for Admin Certifying Approval
	_			Top of Sign	Bottom of Sign	
Α	STOREFRONT	21×51	18 FT	23 113"	90 H	
В						
С						
E						
F						
G						



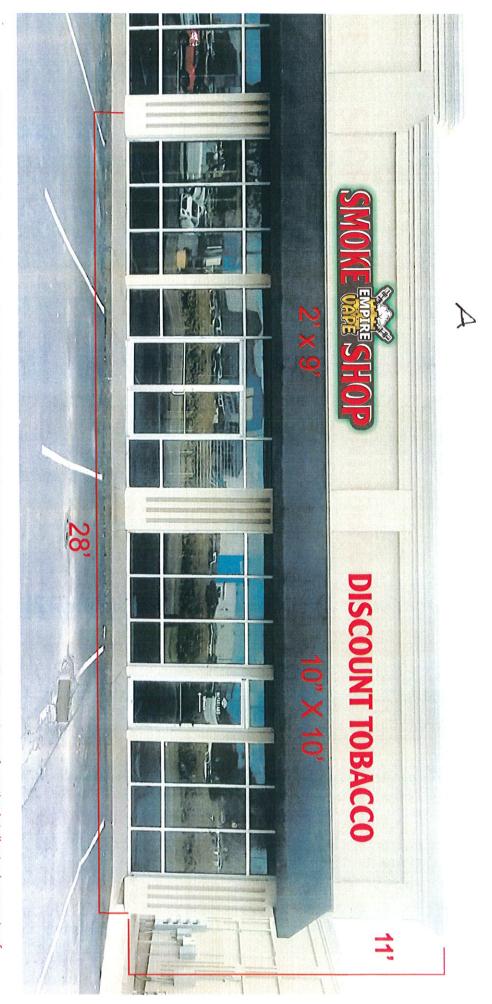
Rendering

Project: Empire Vape- Bryant, AR

Description: Exterior channel and dimensional letters

Date:

Artwork Approved By:



Southpaw Designs. All rights reserved. Any unauthorized usage, duplication of or any reasonable likeness thereof shall be considered infringement *NOTICE: All designs, structural and installation engineering ideals and original artwork and applications thereof are the intellectual property of and proper legal recourse will be taken upon all parties involved in design, production, construction, installation and display in any form.

REDGERIDG

Signs of all Kinds
Designs
medynos

Artwork Approved By:

Date:

Project: Empire Vape- Bryant

Description: Roadside sign concept

southpawdesigns@yahoo.com (201) 263-4725

and proper legal recourse will be taken upon all parties involved in design, production, construction, installation and display in any form. Southpaw Designs. All rights reserved. Any unauthorized usage, duplication of or any reasonable likeness thereof shall be considered infringement *NOTICE: All designs, structural and installation engineering ideals and original artwork and applications thereof are the intellectual property of

*NOTICE: All designs, structural and installation engineering ideals and original artwork and applications thereof are the intellectual property of Southpaw Designs. All rights reserved. Any unauthorized usage, duplication of or any reasonable likeness thereof shall be considered infringement and proper legal recourse will be taken upon all parties involved in design, production, construction, installation and display in any form.



Project: Empire Vape- Bryant Description: Roadside sign concept

515 N. East St. Benton, AR. 72015 (501) 563-4725 southpawdesigns@yahoo.com

Signs of all Kinds

weddinos

Date:

Artwork Approved By:

Rendering





SIGN PERMIT APPLICATION

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The Sign Ordinance is available at www.cityofbryant.com under the Planning and Community

Development tab.

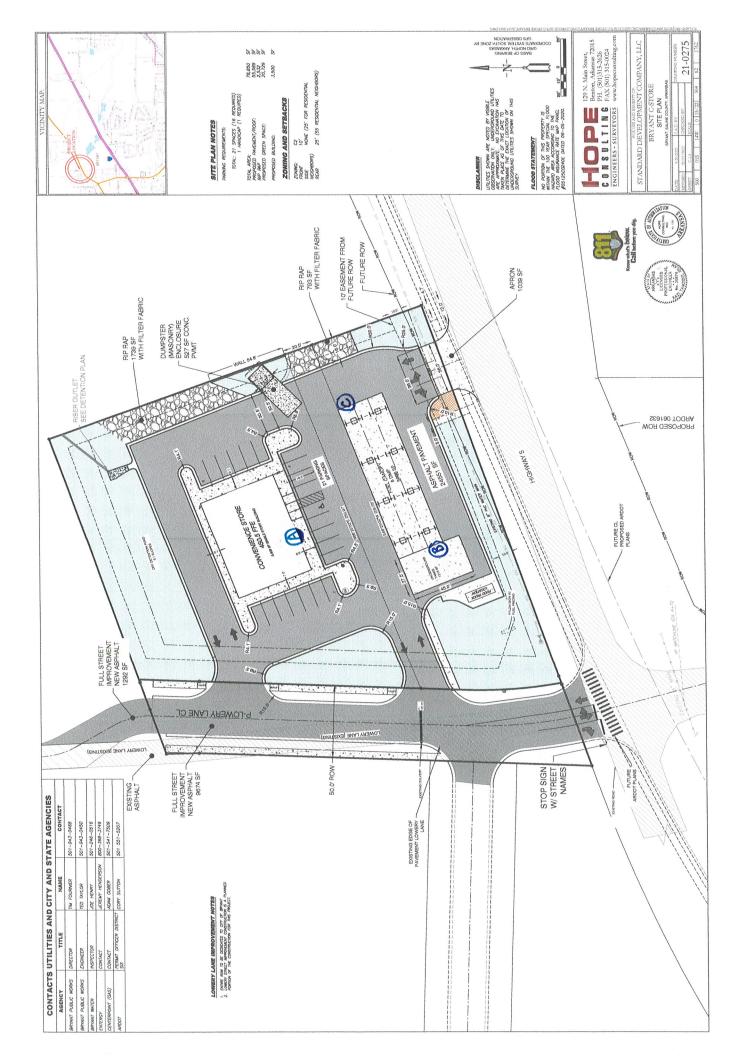
Date:5/20/2024		Note: Electrical Permits may be Required, Please contact the Community Development Office for more information.	
Sign Co. or Sign Owner	Property Owner		
NameTimothy & Drew Files	Name Timothy & Dre	ew Files	
Address 19901 Highway 300	Address 19901 Highway 300		
City, State, Zip Roland, AR 72135	City, State, Zip Roland	d, AR 72135	
Phone_973-834-5000	Phone <u>973-834-5000</u>		
Email Address filesdevelopmentar@gmail.com	Email Address bryan	tgassys@gmail.com	
Name of Business Gassys Fuel Station Bryant LLC Address/Location of sign_ 6101 Highway 5 N. Bryant Zoning Classification_ Commercial			
Please use following page to provide details on the provided on this application, a Site Plan showing plan property is required to be submitted. Renderings of required to be submitted with the application. A this collected at the time of permit issuance. According special sign permit request shall be one hundred do required by Sign Administrator.	icement of sign(s) and if the sign(s) showing the irty-five dollar (\$35) peto the Sign Ordinance a	any existing sign(s) on the expected in the correct dimensions is also a sign payment will be a fee for and sign variance or	
READ CAREFULLY BEFORE SIGNING			
I, do hereby certify and correct. I fully understand that the terms of the Sign Ordinan signs must fully comply with all terms of the Sign Ordinance regard	ce supersede the Sign Admi		

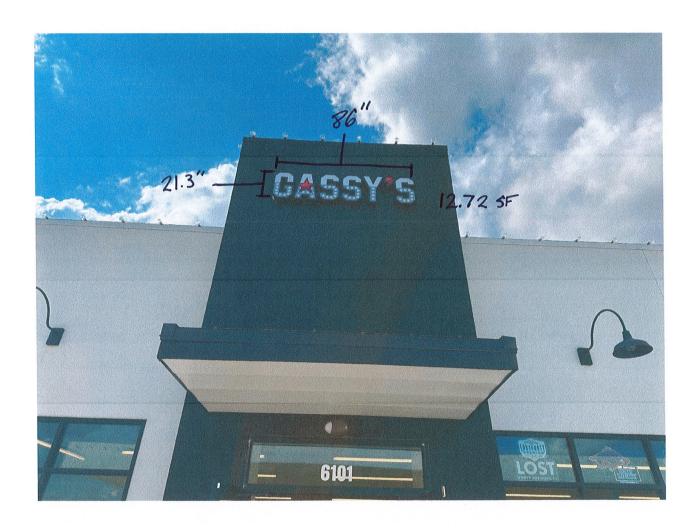
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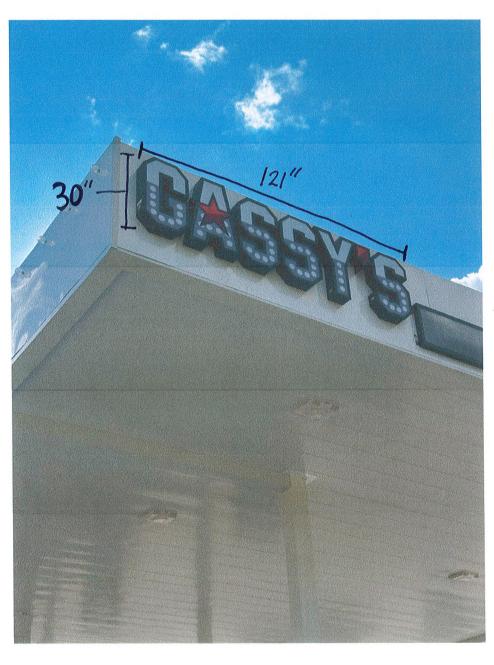
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					Top of Sign	Bottom of Sign	
	А	Facade Sign	21.3" x 86" x 5"	1831.8	22 ft	20 ft 4 in	
	В	Canopy Sign	30" x 121" x 5"	3630	22 ft	14 ft	
	С	Canopy Sign	30" x 121" x 5"	3630	22 ft	14 ft	
<u> </u>	E	Canopy Sign	41.8" x 19" x 2.5"	794.2	22 ft	14 ft	
Cas ?	F	Canopy Sign	41.8" x 19" x 2.5"	794.2	22 ft	14 ft	
signage?	G	Canopy Sign	41.8" x 19" x 2.5"	794.2	22 ft	14 ft	
	H	Canopy Sign	41.8" x 19" x 2.5"	794.2	22 ft	14 ft	
- These	e Not	Canopy Sign Canopy Sign Canopy Sign Canopy Sign Require a pe	ermit				





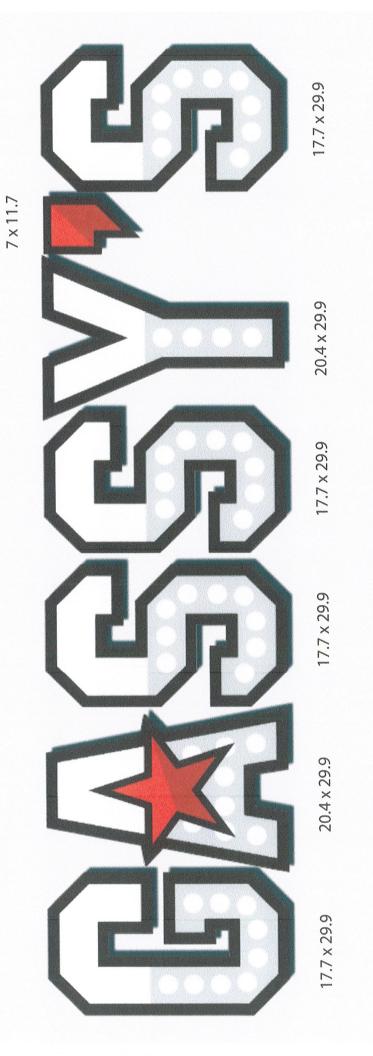
A



B-AC

25.20 SF

Overall Dimensions 30" x 121"









SIGN PERMIT APPLICATION

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The Sign Ordinance is available at www.cityofbryant.com under the Planning and Community

Development tab.

Date: 05/07/2024		Note: Electrical Permits may be Required, Please contact the Community Development Office for more information.		
Sign Co. or Sign Owner	Property Owner			
NameARKANSAS SIGN & NEON	Name EDWARD JONES			
Address 8525 DISTRIBUTION DR	Address 2305 Spring	hill Rd Ste 3		
City, State, ZIFTLE ROCK AR 72209	City, State, Zip	INT, AR 72019-7560		
Phone 501.562.3942	Phone			
lora@arkansassign.com Email Address	Email Address			
GENERAL INFORMATION Name of Business EDWARD JONES Address/Location of sign 2305 Springhill Rd Ste 3 Bryant, AR 7201 Zoning Classification	3 1 9-75 60			

Please use following page to provide details on the signs requesting approval. Along with information provided on this application, a Site Plan showing placement of sign(s) and any existing sign(s) on the property is required to be submitted. Renderings of the sign(s) showing the correct dimensions is also required to be submitted with the application. A thirty-five dollar (\$35) per sign payment will be collected at the time of permit issuance. According to the Sign Ordinance a fee for and sign variance or special sign permit request shall be one hundred dollars (\$100). Additional documentation may be required by Sign Administrator.

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				Top of Sign	Bottom of Sign	
Α	WALL	16" X 97"	10.83	10'	8'8"	
В						
С						
E						
F						
G						



REAR ELEVATION - PROPOSED

** NO POWER AVAILABLE **



REAR ELEVATION - EXISTING

265"

263"



REAR ELEVATION - ZOOMED

LANDLORD OR AGENT SIGNATURE HERE

Please sign & return drawing/s to <u>FASTSIGNS</u>
Signature below indicates approval of BOTH design & placement of sign/s

DATE

REQUIRES U.L. & MANUFACTURER'S LABELS

97"

Edward Jones

16"

10.77 sq.ft.

SIGN TYPE WI-3 - GREY

- -LED INTERNALLY ILLUMINATED WALL CABINET
- -CABINET PTM PANTONE 2336-C
- -FACE IS .118" CLEAR LEXAN w/ NON-GLARE MATTE FINISH
- -BACKGROUND TO BE BACK SPRAYED TO MATCH PANTONE 2336 C
- -LOGO TO BE BACK SPRAYED TRANSLUCENT WHITE
- -REQUIRES U.L. AND MANUFACTURER'S LABELS

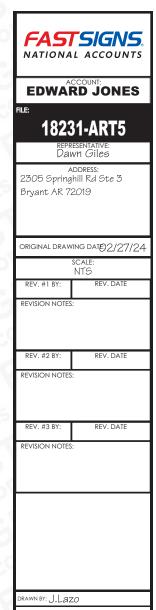
** POWER PROVIDED BY ELECTRICIAN AND CONNECTED IF WITHIN 6' OF THE SIGN **

** DEDICATED CIRCUIT IS REQUIRED FOR ILLUMINATED SIGNS **

** WIRE NUTS ARE REQUIRED ON ALL ILLUMINATED SIGNS **

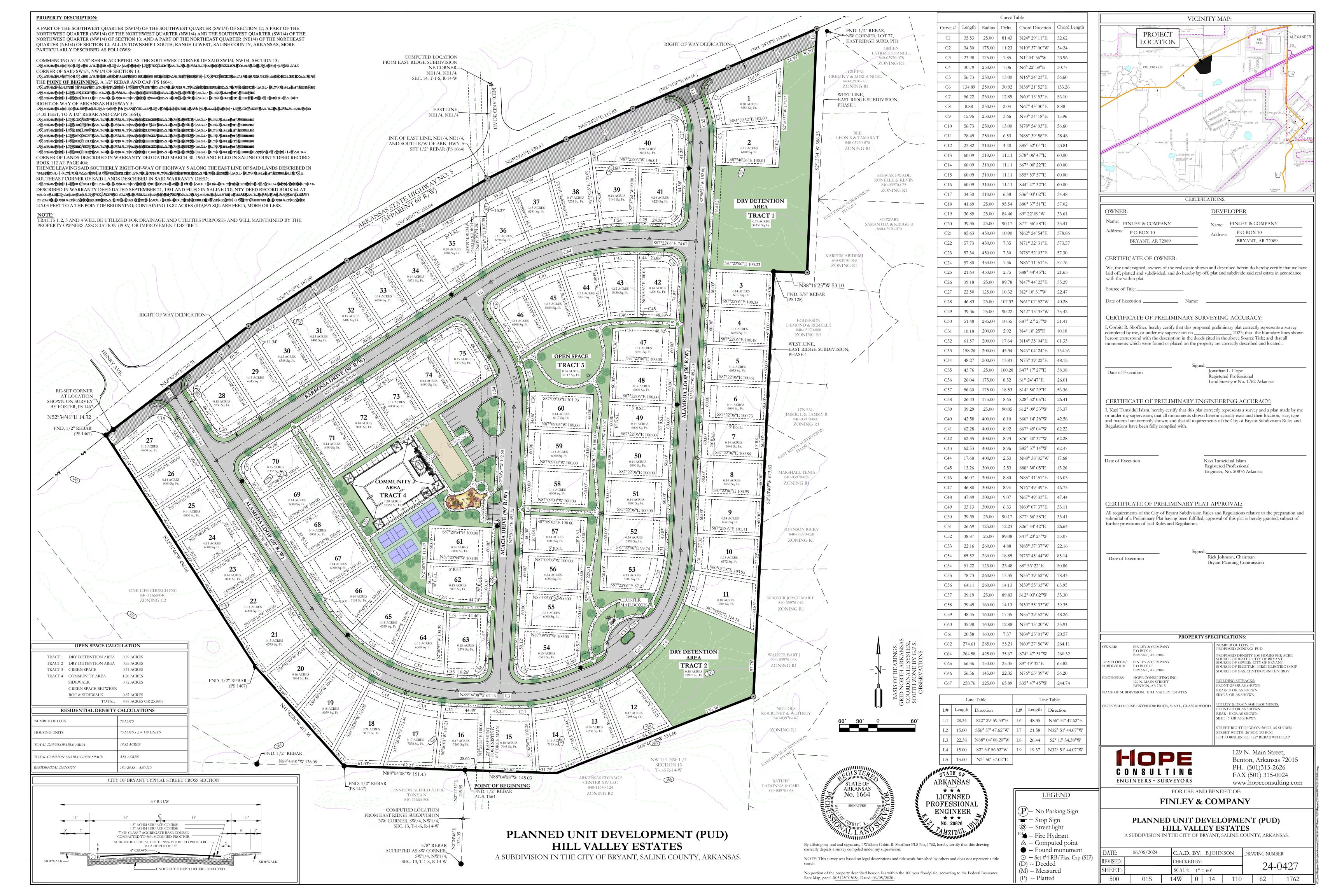
DRAWING IS NOT TO SCALE BUT IS PROPORTIONATE

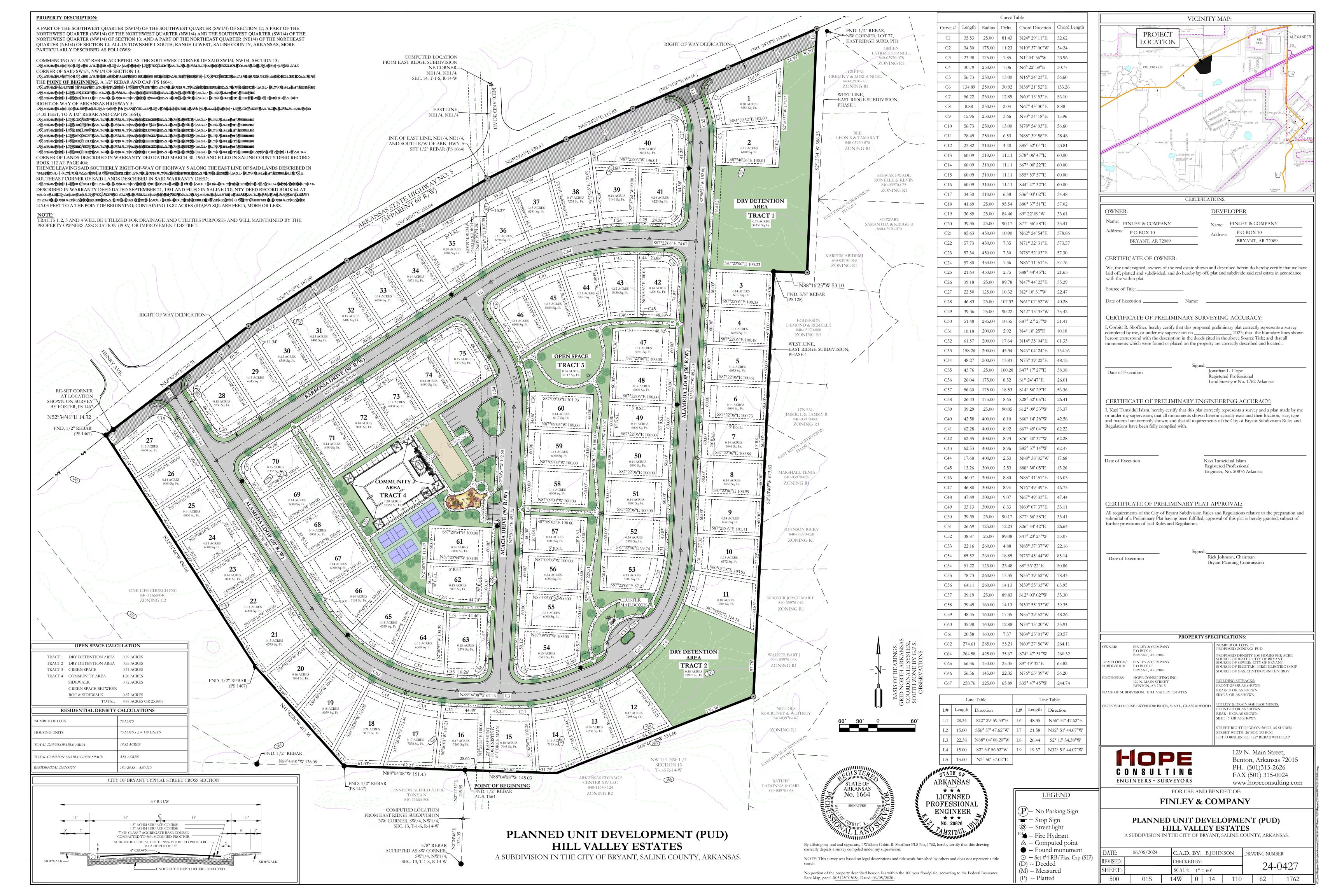
FIELD VERIFY ALL MEASUREMENTS BEFORE BEGINNING ANY WORK. INSTALLER TO VERIFY MOUNTING SURFACE PRIOR TO INSTALLATION.



REVISED

THIS DRAWING IS THE
PROPERTY OF FASTSIGNS
INTERNATIONAL, INC.
THE BORROWER AGREES, IT
SHALL NOT BE REPRODUCED
COPIED OR DISPOSED OF,
DIRECTLY OR INDIRECTLY,
NOR USED FOR ANY
PURPOSE WITHOUT











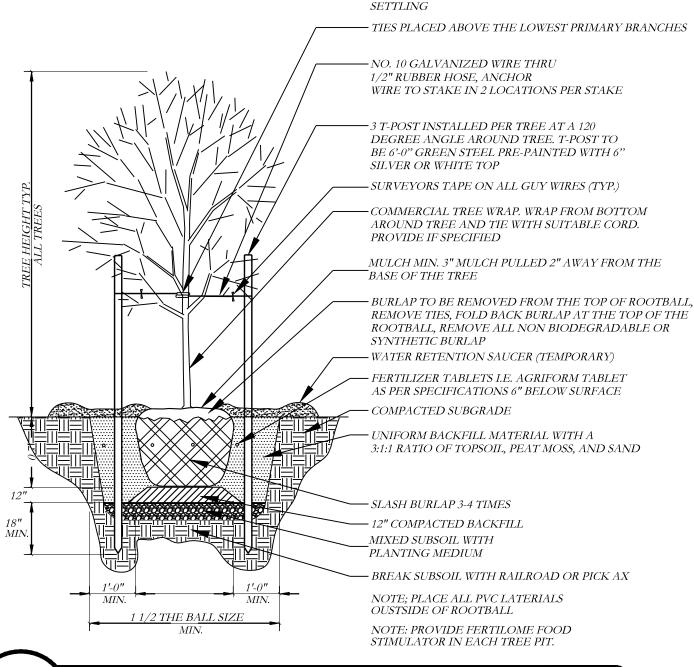
129 N. Main Street, Benton, Arkansas 72015 PH. (501)315-2626 FAX (501) 315-0024 www.hopeconsulting.com

FOR USE AND BENEFIT OF: FINLEY & COMPANY

PLANNED UNIT DEVELOPMENT (PUD) EXISTING VEGETATION HILL VALLEY ESTATES A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS.

DATE:	05/22/2024	C.A.D.	BY:	B.JOHN	ISON	DRAWING NUMBER:				
REVISED:		CHECKE	D BY:			24-0427				
SHEET:		SCALE:	1"	= 60'			<i>2</i> 4	-U4 <i>Z</i> /		
500	01S	14W	0	14	110		62 1762			

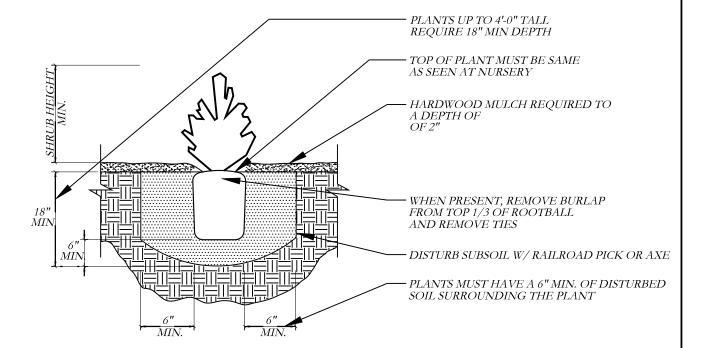




NOTE: PLANTS TO BE

INSTALLED SLIGHTLY HIGHER TAHN GRADE ALLOWING FOR POSITIVE DRAINAGE AND

TREE PLANTING DETAIL No SCALE



1. PROVIDE WEED CONTROL AND/OR FERTILIZER AS SPECIFIED BELOW.
2. WEED CONTROL AND FERTILIZER MAY BE APPLIED AT A LATER DATE TO COMPLY WITH SEASONAL CONDITIONS AND THE GROWING PERIOD.

- 3. PROVIDE AGRIFORM TABLETS AS PER MANUFACTURERS RECOMMENDATIONS.
- 4. PROVIDE HOMOGENOUS BACKFILL PLANTING MIXTURE OF 3:1 RATIO
 TOPSOIL TO PEATMOSS AND/OR OTHER APPROVED SOIL ADMENDMENTS.
 5. PROVIDE FERTILOME ROOT STIMULATOR OR APPROVED EQUAL IN PITS.
 6. APPLY BALAN PREEMERGENT WEED CONTROL OR APPROVED EQUAL
 TREATMENT ON ALL SHRUB AND GROUNDCOVER BEDS.

SHRUB PLANTING DETAIL

GENERAL NOTES

QUANTITIES SHOWN ARE FOR CONVENIENCE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING THEIR OWN COUNT.

ALL SHRUBS AND TREES SHALL RECEIVE PLANTING BACKFILL OF 2/3 TOPSOIL AND 1/3 COMPOST BY VOLUME AND 2 LBS OF 14-14-14 TIMED-RELEASE FERTILIZER PER CUBIC YARD OF BACKFILL.

ALL BEDS INSIDE LAWN AREAS TO BE EDGED WITH 4" PAINTED STEEL EDGING.

TOPSOIL SHALL BE ADDED AS NEEDED TO CREATE A SMOOTH FINISH GRADE ON PLANTING AND SODDED AREAS.

ALL TREES AND SHRUBS SHALL BE THOROUGHLY WATERED IMMEDIATELY AFTER PLANTING.

ALL NON-PAVED AREAS NOT SHOWN AS PLANTING BEDS SHALL BE SODDED WITH SOLID TIFWAY 419

BERMUDA SOD. CONTRACTOR SHALL CALCULATE ALL SODDED AREAS.

NO TREES MAY BE PLANTED WITHIN 5' OF PUBLIC UTILITIES. MAINTAIN 5' SEPARATION BETWEEN TREES AND ANY EXISTING / PROPOSED UTILITY MAINS.

MAINTENANCE OF LANDSCAPING

THE OWNER, TENANT, OR AGENT, IF ANY SHALL BE RESPONSIBLE FOR PROVIDING, PROTECTING AND MAINT'AINING ALL LANDSCAPING IN HEALTHY GROWING CONDITIONS, REPLACING IT WHEN NECESSARY TO ENSURE CONTINUOUS CONFORMANCE WITH THESE GUIDELINES AND KEEPING IT FREE FROM REFUSE AND DEBRIS. MAINTENANCE SHALL INCLUDE THE REPLACEMENT OF ALL DEAD PLANT MATERIAL WITHIN THE GUARANTEED CONTRACT PERIOD.



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

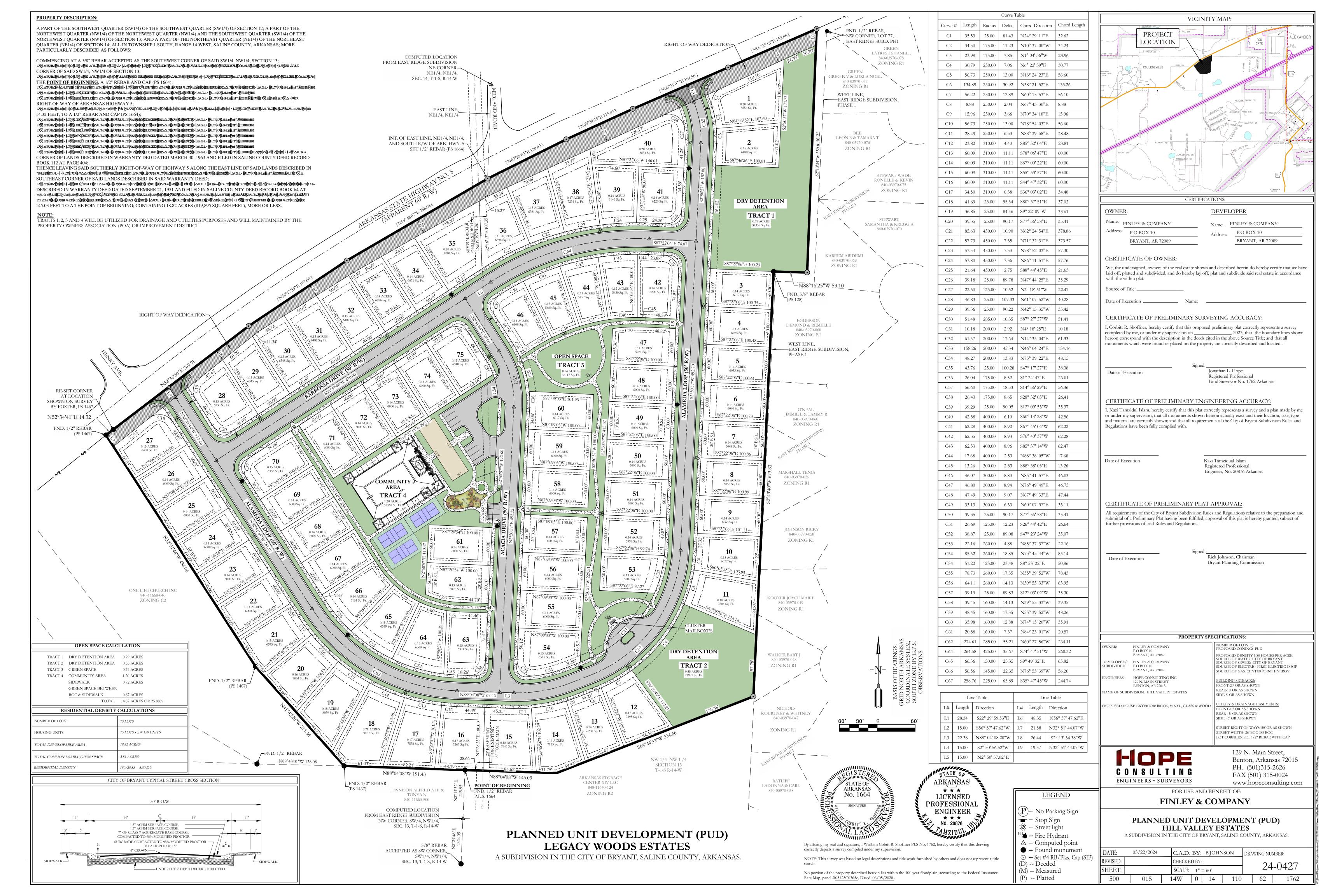
FOR USE AND BENEFIT OF: FINLEY & COMPANY

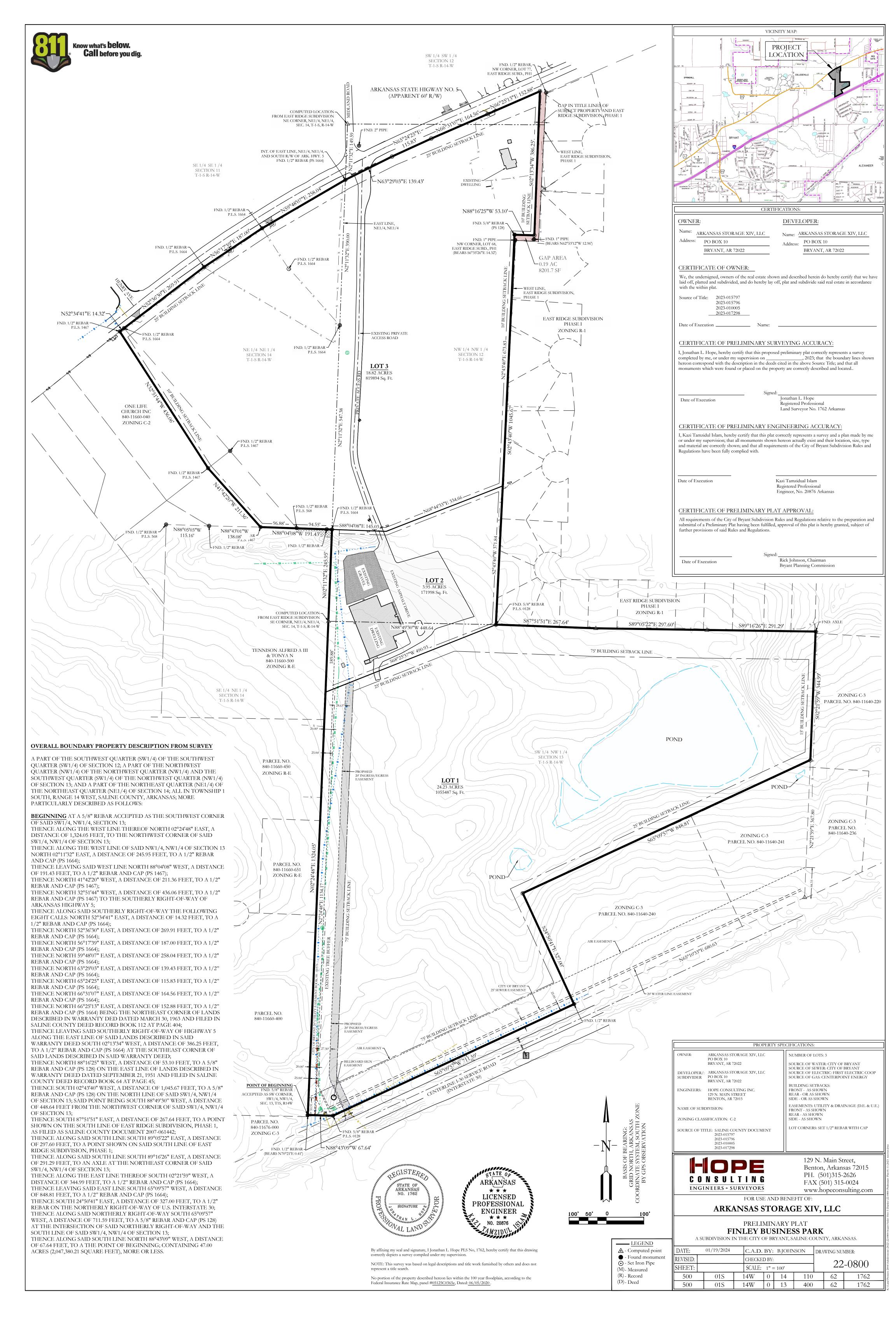
PLANNED UNIT DEVELOPMENT (PUD) LANDSCAPE PLAN HILL VALLEY ESTATES

A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS.

C.A.D. BY: B.JOHNSON DRAWING NUMBER: 05/22/2024 CHECKED BY:

REVISED: 24-0427 SCALE: 1'' = 60'14W 0 14 110 01S 62 1762







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

\$231+\$300= \$531 \$25*77= \$1,925

City of Bryant Subdivision Checklist

Subdivi	rision/Project NameLegacy Heights							
Contact	t PersonJonathan Hope	Phone_	501-860-0467					
	129 N Main Street Benton, Arkansas							
Mailing	Address							
I. BASI	IC INFORMATION NEEDED ON THE PLAT							
1 . 4	Name of Cult division (Dustrate							
$\sqrt{}$ 1.								
√ △ 2. √ △ 3.	5							
√ ▲ 3. √ ▲ 4.		umbar						
1	3 3	lumber						
√ △ 6. √ △ 7.	•	ad sebaal	a G parks within 14 mile					
1		ad, school	is, & parks within 1/2 mile					
1								
	9. Acreage of property							
1	1							
1	1. Lot area in square feet							
7	2. Lot lines with appropriate dimensions							
1	3. Building setback lines	. b						
1	4. Preliminary Engineering certificate seal and signature on each	cn page						
1	5. Certificate of Engineering Accuracy							
,	6. Certificate of Owner							
1	7. Certificate of Final Plat Approval							
1	8. Certificate of Recording							
	9. Show scale (not less than 1" = 100')							
	0. North Arrow							
	1. Show Title block							
, — <i>LL</i>	2. Show adjoining property owners	on lator -	iana annod limit eta \					
, — 23	 Layout of all proposed streets including traffic control device Layout of all subdivision entrance street upgrades 	es (scob si	gns, speed tillit, etc.)					
·, -·	5. Layout of all proposed alleys							
	6. Layout of all proposed alleys 6. Layout of all proposed sidewalk systems							
,	 Layout of all proposed sidewalk systems Layout identifies any FEMA flood plain and flood way propert 	ty within 1	the 100-year flood elevation					
	(Provide Corp of Engineers 404 Permit if required)	cy ****Cillii	ine 100 year 11000 eteration.					

- ▲ 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

 $\sqrt{}$

- ▲ 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. <u>Two</u> (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) Lombard Heights Jonathan Hope Name of Subdivision 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. William McFadden **Engineer Signature Owner Signature**

	CITY USE
Preliminary Plat Approved	
Planning Commission Date	 ;
Final Plat Approved Planning Commission Date	
Proof of Recording - County	

County Clerk _____

AGREEMENT BY SUBDIVISION DEVELOPER TO PROVIDE ASSURANCE TO THE CITY OF BRYANT ARKANSAS PER ORDINANCE #98-35

T	, developer for the
	subdivision located in
the City of Bryant city limits or plar	nning jurisdiction agree to provide a surety
bond or cashier's check in the amoun	t of 10% of the development cost estimated
to be \$ but not les	ss than \$10,000 or more than \$50,000 within
10 calendar days after preliminar	y plat approval by the Bryant Planning
Commission in accordance with the	terms of Ordinance Number 98-35.
Date	Developer Signature
Witness	Printed Name
	Address
	Phone Number

ORDINANCE NO. 98-35

ASSURANCES FOR COMPLIANCE, INSTALLATION, ETC.

- a.) Upon preliminary approval of subdivision construction plans and specifications for improvements, the Developer shall enter into an agreement with the City of Bryant to install or ensure the completion of the improvements as designed and to (repair or replace), (pay the cost to the city of repairing or replacing) all city property damaged or destroyed in connection therewith. The city will accept the subdivision and issue the certificate of final plat approval subject to the assurance of performance of the obligations of the Developer under the agreement.
- b.) One of the following assurances assigned to the city shall be utilized by the Developer to assure performance of the Developer's obligations under the agreement:
 - 1. Surety Bond in the amount of ten percent (10%) of the estimated development cost and recorded at the Saline County Courthouse.
 - Cashier's check(s) in the amount of ten percent (10%) of the estimated development cost on which no interest will be paid by the city.

Any cashier's check or certificate of deposit allowed by this section shall be insured by a financial institution insured by the Federal Deposit Insurance Corporation and licensed to business in Arkansas. Further, each instrument of assurance shall be payable to the City of Bryant, and shall be in principal amount no less that \$10,000 or no greater than \$50,000. All instruments of assurance or the city's check in the amount equal to the principal amount of the instrument less any deductions for failure to perform by the Developer shall be returned to the Developer one-year after completion of the Developers performance under the agreement.

Forfeiture of the assurance for compliance does not relieve the Developer of his responsibility to complete the subdivisions improvements to the satisfaction of the City.

Developer's of large projects that could have an adverse impact on the City's infrastructure may be required to have an assurance for compliance if so directed by the Planning Commission.

All Ordinances and parts of Ordinances in conflict with this Ordinance are hereby repealed.

Should any portion of this ordinance be unconstitutional or invalid and so declared by a court of competent jurisdiction, then the remainder of this Ordinance, and any remaining applications of the Ordinance, shall not be affected by such partial unconstitutionality or invalidity.

This Ordinance shall be in full force and effect from and after its passage, approval, and publication.

Vanda Smith City Clerk

PASSED AND APPROVED THIS 28th DAY OF September , 1998.

No Emergency Clause

Page 6



Rezoning Application

Applicants are advised to read the Amendments section of Bryant Zoning Code prior to completing and signing this form. The Zoning Code is available at www.cityofbryant.com under the Planning and Community Development tab.

Date:	4/24/2024		
Applicant o	r Designee:	Property Own	ner (If different from Applicant):
Name	Jonathan Hope	Name	Finley & Company
Address1	29 N Main St. Benton, AR		P.O Box 10 Bryant, AR
Phone	501-315-2626	Phone	501-258-9646
Email Addres	sjonathan@hopeconsulting.com		stuart@finleyandcompany.com
Property In			
Address8	800 HWY 5		
Parcel Numb	Parcel #840-11640-124, 840-11660-000,	840-11660-010, 840-11660	0-020, 840-11634-600
Existing Zonii	ng ClassificationC-2		
	oning ClassificationPUD		
			se attach in a legible typed format)
Application	n Submission Checklist:		
	ter stating request of zoning to be placed on the Plannin	•	rrent Zoning) to (Requested Zoning) enda
🗷 Cor	npleted Rezoning Application	า	
	oning Application Fee (\$40 fo tes and bound descriptions)	ee for lot and bla	ck descriptions or \$125 for acreage or
x If so	omeone, other than the own	er, will be handli	ng the zoning process, we will require a

letter from the owner of said property, giving him or her authority to do so. Recent surveyed plat of the property including vicinity map **Additional Requirements:** Items below must be completed before the public hearing can occur. Failure to provide notices in the following manners shall require delay of the public hearing until notice has been properly made. ☐ Publication: Public Notice shall be published by the applicant at least one (1) time fifteen (15) days prior to the public hearing at which the rezoning application will be heard. Once published please provide a proof of publication to the Community Development office. (Sample notice attached below) ☐ Posting of Property: The city shall provide signs to post on the property involved for the fifteen (15) consecutive days leading up to Public hearing. One (1) sign is required for every two hundred (200) feet of street frontage. Notification of adjacent landowners: Applicant shall attempt to inform by certified letter, return receipt requested, all owners of land within three hundred (300) feet of any boundary of the subject property of the public hearing. (Sample letter attached below) ☐ Certified list of property owners, all return receipts, and a copy of the notice shall be provided to the Community Development Department at least five (5) days prior to the public hearing. Note: that this is not an exhaustive guideline regarding the Conditional Use Permit Process. Additional information is available in the Bryant Zoning Ordinance. **READ CAREFULLY BEFORE SIGNING** , do hereby certify that all information contained within this application is true and correct. I further certify that the owner of the property authorizes this proposed application. I understand that I must comply with all City Codes that pertain to this project and that it is my responsibility to obtain all necessary permits as needed.

NOTICE OF PUBLIC HEARING

A public hearing will be held on Monday, _	June 10, 2024	at 6:00 P.M.
at the Bryant City Office Complex, 210 Sor	uthwest 3 rd Street, City of Bryant,	Saline
County, for the purpose of public comment	t on a rezone request at the site of	of
Parcel #840-11640-124, 840-11660-000, 840-11660-010), 840-11660-020, 840-11634-600	(address).
A legal description of this property can be	obtained by contacting the Bryan	t Department
of Community Development.		
Chair	Johnson rman Board of Zoning Adjustmen of Brvant	t

This notice is to be run in the legal notices section of the Saline Courier no less than 15 days prior to the public hearing.

RE: Rezoning Peti	tion							
The property loca	ited at Parcel #840-11	640-124, 840-1	1660-000, 840-11660-010,	840-11660-020, 840	-11634-600	is being o	considered fo	or
rezoning from								
follows:								
An application ha	s been filed wi	th the Ci	ty of Bryant Pl	anning Cor	nmission t	to rezone	the property	. As
part of this proce	ss, a public hea	ring will	be held on Mo	onday Ju	une 10, 20	24 at 6:00	PM in the B	oswell
Community Center	er Courtroom, 2	210 SW	3 rd Street, Brya	nt, AR 720	22.			
Public comments	will be accepte	d at tha	t time regardir	ng this rezo	ning. Sinc	e you owr	n property wi	ithin
300 feet of the pr	operty in consi	deratior	n, you have bee	en sent this	s letter via	certified	mail as requi	red by
city ordinance.								
Should you have	any questions r	egardin	g this matter y	ou may cor	ntact the C	City of Bry	ant at 501-94	13-
0857 or by contac	cting me at $\frac{50}{2}$	L-860-0	467					
Thank you for you	ur consideratio	n in this	matter.					
Sincerely,								

Hope Consulting

Jonathan Hope



February 2, 2024

Colton Leonard City of Bryant 210 S.W. 3rd Street Bryant, Arkansas 72022

RE: Legacy Woods: Planned Unit Development

Dear Mr. Leonard,

Colton.

I am writing to propose Legacy Woods, a vibrant new neighborhood within our community that promises to enhance the quality of life for its residents and contribute positively to the overall appeal of Bryant. This project will be proposed as a Planned Unit Development.

Located on 18.8 acres on Highway 5, this proposed neighborhood will consist of 78 residential lots thoughtfully designed to foster a sense of community and well-being. Emphasizing both recreation and relaxation, our plan includes a range of amenities aimed at promoting an active and social lifestyle.

Key features of the proposed neighborhood include:

- *Walking trails weaving through lush greenery, providing residents with opportunities for exercise and leisurely strolls.
- *Pickleball courts catering to the growing popularity of this engaging sport, encouraging friendly competition and camaraderie among neighbors.
- *A fitness center equipped with modern facilities, allowing residents to pursue their health and wellness goals conveniently within the neighborhood.
- *A welcoming clubhouse serving as a hub for community events, gatherings, and celebrations, fostering connections and a sense of belonging among residents.
- *A thoughtfully designed playground providing safe and enjoyable recreational opportunities for children.
- *A refreshing swimming pool offering a perfect retreat for relaxation and enjoyment during warm summer days.

Furthermore, we are committed to preserving green spaces within the neighborhood, with 4.15 acres designated as Common Usable Open Space. This area will not only enhance the aesthetic appeal of the neighborhood but also provide residents with additional recreational opportunities and a connection to nature.

Our vision for this neighborhood is to create a harmonious blend of modern living, recreational amenities, and natural beauty, offering residents a fulfilling and balanced lifestyle. We believe that this development aligns with the city's goals of promoting community well-being and sustainable growth.

We look forward to discussing this Planned Unit Development with you further and working collaboratively to bring this exciting project to fruition for the benefit of all Bryant residents.

Sincerely,

Jonathan Hope



Rezoning Application

Applicants are advised to read the Amendments section of Bryant Zoning Code prior to completing and signing this form. The Zoning Code is available at www.cityofbryant.com under the Planning and Community Development tab.

Date: <u>4-25-</u>	24	
Applicant or Desi	gnee:	Property Owner (If different from Applicant):
Name William	Calkbreauer	Name
Address 1710 St	noal Road	Address
Phone 561-529 .	7995	Phone
Email Address 🟎 🛊	CAIK Brewet Comila	Email Address
Property Informa	tion:	
Address 1710	Shoal Road	
Parcel Number 8	40-14867-000	5
Existing Zoning Clas	sification R-E	
Requested Zoning C	Classification R-1	
Legal Description (I	f Acreage or Metes and Bounds	description, please attach in a legible typed format)
Application Sub	mission Checklist:	
		ange from (Current Zoning) to (Requested Zoning)
and to be	e placed on the Planning C	ommission Agenda
	ed Rezoning Application	
		for lot and black descriptions or \$125 for acreage or
metes ar	nd bound descriptions)	
AvA⊠ If someo	ne, other than the owner	will be handling the zoning process, we will require

letter from the owner of said property, giving him or her authority to do so. Recent surveyed plat of the property including vicinity map Additional Requirements: Items below must be completed before the public hearing can occur. Failure to provide notices in the following manners shall require delay of the public hearing until notice has been properly made. Publication: Public Notice shall be published by the applicant at least one (1) time fifteen (15) days prior to the public hearing at which the rezoning application will be heard. Once published please provide a proof of publication to the Community Development office. (Sample notice attached below) Posting of Property: The city shall provide signs to post on the property involved for the fifteen (15) consecutive days leading up to Public hearing. One (1) sign is required for every two hundred (200) feet of street frontage. Notification of adjacent landowners: Applicant shall attempt to inform by certified letter, return receipt requested, all owners of land within three hundred (300) feet of any boundary of the subject property of the public hearing. (Sample letter attached below) Certified list of property owners, all return receipts, and a copy of the notice shall be provided to the Community Development Department at least five (5) days prior to the public hearing. Note: that this is not an exhaustive guideline regarding the Conditional Use Permit Process. Additional information is available in the Bryant Zoning Ordinance. **READ CAREFULLY BEFORE SIGNING**

true and correct. I further certify that the owner of the property authorizes this proposed application. I understand that I must comply with all City Codes that pertain to this project and that it is my responsibility to obtain all necessary permits as needed.

_____, do hereby certify that all information contained within this application is

William Kalkbrenner

NOTICE OF PUBLIC HEARING

A public hearing will be held on Monday,	at 6:00 P.M.
at the Bryant City Office Complex, 210 Southwest 3 rd Street, City of Bryant, S	Saline
County, for the purpose of public comment on a conditional use request at the	ne site of
	(address).
A legal description of this property can be obtained by contacting the Bryant	Department
of Community Development.	
Rick Johnson Chairman Board of Zoning Adjustment City of Bryant	

This notice is to be run in the legal notices section of the Saline Courier no less than 15 days prior to the public hearing.

SAMPLE LETTER

Date			
Name			
Address			
RE: Rezoning Petition			
The property located at		is	being considered for
rezoning from	to	The property is more	particularly described as
follows:			
	INSERT LEGA	L DESCRIPTION OF PROPERTY	
An application has been file	ed with the City of	f Bryant Planning Commission to re	ezone the property. As
part of this process, a publi	ic hearing will be h	held on Monday	, 2021 at 6:00 PM in
the Boswell Community Ce	nter Courtroom, 2	210 SW 3 rd Street, Bryant, AR 7202	2.
Public comments will be ac	cepted at that tim	ne regarding this rezoning. Since yo	ou own property within
300 feet of the property in	consideration, yo	ou have been sent this letter via cer	rtified mail as required by
city ordinance.			
Should you have any quest	ions regarding thi	is matter you may contact the City	of Bryant at 501-943-
0857 or by contacting me a	ıt	·	
Thank you for your conside	eration in this mat	tter.	
Sincerely,			
Your Signature			
Vour Name			

Photo V



Done









William Kalkbrenner 1710 Shoal Rd., Bryant, AR 72022 501-529-7995 w.kalkbrenner@gmail.com

April 25th, 2024

Colton Leonard City Planner – City of Bryant, AR 210 SW 3rd. St., Bryant, AR 72022 501-943-0301

Rezoning of 1710 Shoal Rd., Bryant, AR 72202 - From R-E to R1

Mr. Leonard,

I am writing to request that 1710 Shoal Rd., Bryant, AR 72202 be rezoned from R-E to R-1. The property is now connected to City of Bryant sanitary sewer, allowing a transition from the R-E zoning designation.

I would like to request that this rezoning be formally placed on the City of Bryant Planning Commission Agenda.

Any help that you may be able to provide in this matter would be greatly appreciated.

Sincerely,

William Kalkbrenner

OWNERSHIP/ZONE SEARCH

Date: May 13, 2024 File Number: 24-020323-050 Prepared For: Tim Lemons, PE

Lenders Title Company has searched the records of the Real Estate Records of Saline County, Arkansas to determine the apparent ownership of property within 350 feet of the perimeter of the following described property as of April 26, 2024 at 8:00AM

That part of the Southeast Quarter of the Southeast Quarter of Section 17, Township 1 South, Range 14 West, Saline County, Arkansas, more fully described as follows: Beginning at a point on the East line of the said SE1/4 of SE1/4 that is 1155 feet North of the Southeast corner thereof; run thence North for 165 feet thence West parallel with the South line thereof to the intersection with the West line of the said SE1/4 SE1/4; run thence South, along the West line thereof for 165 feet; run thence East to the point of beginning.

Following is a list of apparent owners of property within 350 feet of the perimeter of the above described property as reflected by the records of the Real Estate Records of Saline County, Arkansas:

Malcolm Living Trust 7421 Worth Ave. Benton, AR 72019

Brian Bauer 7428 Worth Ave. Benton, AR 72019

George & Linda Dicus 7422 Worth Ave. E Benton, AR 72019

James A. Parks 7425 Union Square Benton, AR 72015

Michael L. Armstrong and Mary K. Armstrong 7417 Union Square Benton, AR 72019

Kari D. Caradine and Brett W. Caradine 7420 Union Square Benton, AR 72015

George A. Holcomb Jr. 7424 Union Square Benton, AR 72019

Nakia R. Lovell 7416 Union Square Benton, AR 72019

Tiffany Johnson 5415 Union Square Benton, AR 72015

Brand's BJ & Kids LLC and Virginia Beth Ouellette 9 Virginia Rd. Newport, AR 72112

Ashley M. Johnson and Anglea L. Johnson 5407 Union Square Benton, AR 72019

John Prince and Kay Prince 7416 Worth Ave. Benton, AR 72019

Tracy A. Shelton and Marianne Shelton 7415 Worth Ave. Benton, AR 72019

Caleb Orion Fisher and April Danielle Morgan 7410 Worth Ave. Benton, AR 72019

Eddie Walker and Ebony Walker 7409 Worth Ave. Benton, AR 72019

John A. Vinson and Sarah R. Vinson 7403 Worth Ave. Benton, AR 72019

Portia Simone Carr 7327 Worth Ave. Benton, AR 72015-6272

Michael F. Guinn and Karen A. Guinn 7321 Worth Ave. Benton, AR 72019

Carl & Pam Gann Living Trust 7316 Worth Ave. Benton, AR 72019 Wilson David Grappe and Mary Diane Grappe 7328 Worth Ave. Benton, AR 72019

Gary Ferrell and Diana Ferrell 7404 Worth Ave. Benton, AR 72019

Hurricane Gardens POA 2200 Abigail Dr. Bryant, AR 72019

Arthur & Jane Spicer Revocable Trust 3 Adoracion Point Hot Springs Village, AR 71909

Cheiko Stewart and Rolando Dupree 2318 Abigail Dr. Bryant, AR 72019

Kevin Nguyen Le and Ly Khanh Bui Living Trust 2312 Abigail Dr. Bryant, AR 72022

Amy Baldwin 2306 Abigail Dr. Bryant, AR 72019

Scott Christopher Jackson and Nancy Binder Jackson 2300 Abigail Dr.
Bryant, AR 72019

Viet Nhat Nguyen and Thi Mong Thi Le 2230 Abigail Dr. Bryant, AR 72022

Charlotte Anne Carlson 2224 Abigail Dr. Bryant, AR 72019

Abigail Estate Family Trust 4715 Hwy 5 N. Suite 2 Bryant, AR 72022

Aston George Gore and Janice Atacha Gore 2212 Abigail Dr. Bryant, AR 72022 Antoine Sims 2206 Abigail Dr. Bryant, AR 72019

Arturo Flores and Karla Marizol Flores 2202 Abigail Dr. Benton, AR 72019

Jason Floyd 2403 Hurricane Gardens Dr. Benton, AR 72019

David I Rososki and Karen W. Rososki 2409 Hurricane Gardens Dr. Bryant, AR 72019

Imane Amrani 2415 Hurricane Gardens Dr. Benton, AR 72019

Joseph Rush Milam and Ashley Elizabeth Milam 2421 Hurricane Gardens Dr. Bryant, AR 72019

Bobby & Donna Joint Revocable Trust 2427 Hurricane Gardens Dr. Bryant, AR 72019

Jerrilyn A. Profit and Avia S. Duncan 2433 Hurricane Gardens Dr. Bryant, AR 72022

Russ Whiting Trust 2503 Hurricane Gardens Dr. Bryant, AR 72022

Mervyn Kent David and Guqueta S. David 2509 Hurricane Gardens Dr. Bryant, AR 72022

Sheryl Lanette May 2515 Hurricane Gardens Dr. Bryant, AR 72019

Kay Lynn Brunt 2521 Hurricane Gardens Benton, AR 72019 Stacy Lynn Baker 2527 Hurricane Garden Dr. Bryant, AR 72022

Luat Thanh Nguyen and Hong Thi Vo 2603 Hurricane Gardens Dr. Bryant, AR 72022

Jody Chandler 2609 Hurricane Gardens Dr. Bryant, AR 72019

D & D Homes LLC P.O. Box 1065 Bryant, AR 72089

Andrey Ann Lovett 1541 Pierce St. Waxahachie, TX 75165

Roberto Roman and Kathleen C. Roman 2620 Hurricane Gardens Bryant, AR 72022

Gregory Joe Frost II and Charlotte F. Frost 2614 Hurricane Gardens Dr. Bryant, AR 72019

Drew Warburton 2608 Hurricane Gardens Bryant, AR 72022

Jeremy Lee Galloway and Alexis Jean Galloway 2602 Hurricane Gardens Dr. Benton, AR 72019

David S. Faulkner and Andrea R. Faulkner 2526 Hurricane Gardens Dr. Benton, AR 72019

D & D Homes P.O. Box 1065 Bryant, AR 72089

Jackie W. Eoff Revocable Trust and Shirley J. Eoff Revocable Trust 2508 Hurricane Garden Dr. Benton, AR 72019

Larry A. Reich and Tetyana M. Reich 2502 Hurricane Gardens Bryant, AR 72022

Lane Criss Cowart and Benjamin Paul Cowart, Jr. and Benjamin P. Cowart 2432 Hurricane Gardens Dr. Benton, AR 72019

Eric Dwayne Flowers 2426 Hurricane Gardens Dr. Benton, AR 72019

Latoya Lilly Hodge and Julius Melvin Hodge 2420 Hurricane Gardens Dr. Benton, AR 72019

Samantha Mays and Ethan Mays 2414 Hurricane Gardens Dr. Benton, AR 72019

Crystal Moody 2408 Hurricane Gardens Dr. Benton, AR 72019

Mynor D. Martinez Guerra and Ruby Martinez 3418 Centark Cir. Alexander, AR 72002

James Henry Glimer Revocable Trust 2403 Pleasure Dr. Benton, AR 72019

Michael Hamilton 2402 Pleasure Dr. Bryant, AR 72022

Billy C. Farnsworth and Patricia Farnsworth 2211 Pleasure Dr. Benton, AR 72019

Patsy D. Hammond 2418 Pleasure Dr. Benton, AR 72019

James M. Reed and Lea Ellen Reed 4102 Springhill Rd. Bryant, AR 72019 Bob and Kay Smith Joint Revocable Trust 4120 Springhill Rd. Bryant, AR 72022

St. Regis at Hurricane Lake LLC 2970 Craighead Cir. Conway, AR 72034

Richard Armando Flores and Yerize Celilia Isturiz 7319 Peach Blossom Dr. Benton, AR 72019

Marjorie C. Mauch Revocable Trust 3505 Boone Rd. Apt. 221 Benton, AR 72015

Reginald Harris 7325 Peach Blossom Ave. Benton, AR 72019

David Oudom Hen and Sophath Hen 7401 Peach Blossom Ave. Benton, AR 72019

Thomas H. Massanelli 7405 Peach Blossom Ave. Benton, AR 72019

Jodi Darter 7409 Peach Blossom Ave. Benton, AR 72019

Fnu Sibghat Tul Liah 7413 Peach Blossom Dr. Benton, AR 72019

Dustin R. Campbell and Shelly N. Campbell 7412 Peach Blossom Dr. Benton, AR 72019

Jarrod Wade Gray and Deanea Marie Gray 7408 Peach Blossom Ave. Benton, AR 72019

Douglas L. Woodall and Lita A. Woodall 14996 W. Polk Rd. Alexander, AR 72002 Dennis Hendrix P.O. Box 430 Benton, AR 72018-0430

This Ownership/Zone Search is intended for the exclusive use of the addressee for informational purposes only. Lenders Title Company is not expressing or attempting to express an opinion as to the validity of the title to the above described property or property noted as being within 350 feet thereof (collectively referred to as "the property"), the accuracy of the addresses, nor as to the validity of any interests or encumbrances, both recorded and unrecorded, that pertain to the property. While Lenders Title Company believes that the information stated above is accurate, no assurances are made nor is any liability assumed by Lenders Title Company for any incorrect information stated herein or omitted herefrom. For assurances as to the title to the property, addressee should obtain a title insurance commitment/policy.

Sincerely,

Lenders Title Company Arkansas License No. IA-82

By:

Title Agent License Number: 9921013

Man Folays

\$4.40

Benton, AR 72019 Weight: O lb 0.50 oz Estimated Delivery Date

Tue 05/28/2024

Certified Mail®

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First-Class Mail®

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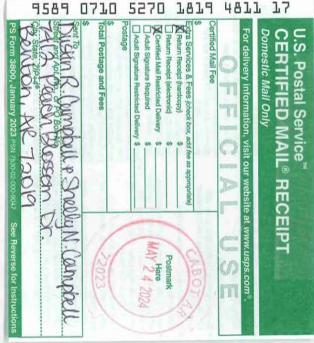
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Rezoning Application

Applicants are advised to read the Amendments section of Bryant Zoning Code prior to completing and signing this form. The Zoning Code is available at www.cityofbryant.com under the Planning and Community Development tab.

Date: 5/8/2024
Applicant or Designee: Tim Lemons, PE Name Lemons Engr. Address Phone (Soi) Gos-7565 Phone (Soi) Gos-7565 Property Information: Address 3927 Springhill Bd., Bryent, AR 72022 Parcel Number 840-11855-000 Existing Zoning Classification R-2 Requested Zoning Classification R-2 Legal Description (If Acreage or Metes and Bounds description, please attach in a legible typed format)
Sce attached Application Submission Checklist:
Letter stating request of zoning change from (Current Zoning) to (Requested Zoning) and to be placed on the Planning Commission Agenda Completed Rezoning Application
Rezoning Application Fee (\$40 fee for lot and black descriptions or \$125 for acreage or metes and bound descriptions)
If someone, other than the owner, will be handling the zoning process, we will require a

	letter from the owner of said property, giving him or her authority to do so.
	Recent surveyed plat of the property including vicinity map
<u>Additi</u>	onal Requirements:
	s below must be completed before the public hearing can occur . Failure to provide notices in the llowing manners shall require delay of the public hearing until notice has been properly made.
	Publication: Public Notice shall be published by the applicant at least one (1) time fifteen (15) days prior to the public hearing at which the rezoning application will be heard. Once published please provide a proof of publication to the Community Development office. (Sample notice attached below)
	Posting of Property: The city shall provide signs to post on the property involved for the fifteen (15) consecutive days leading up to Public hearing. One (1) sign is required for every two hundred (200) feet of street frontage.
	Notification of adjacent landowners: Applicant shall attempt to inform by certified letter, return receipt requested, all owners of land within three hundred (300) feet of any boundary of the subject property of the public hearing. (Sample letter attached below)
	Certified list of property owners, all return receipts, and a copy of the notice shall be provided to the Community Development Department at least five (5) days prior to the public hearing.
Note	that this is not an exhaustive guideline regarding the Conditional Use Permit Process. Additional information is available in the Bryant Zoning Ordinance.
READ	CAREFULLY BEFORE SIGNING
	do hereby certify that all information contained within this application is correct. I further certify that the owner of the property authorizes this proposed application. I understand that I must with all City Codes that pertain to this project and that it is my responsibility to obtain all necessary permits as needed.

Springhill HWY 5 Development, LLC 816 E. Oak Street Conway, Arkansas 72032

May 8, 2024

City of Bryant, Arkansas Community Development 210 SW 3rd Street Bryant, Arkansas 72022

Re:

Designee Authority – Proposed Rezone 3927 Springhill Road, Bryant, AR Parcel # 840-11855-000

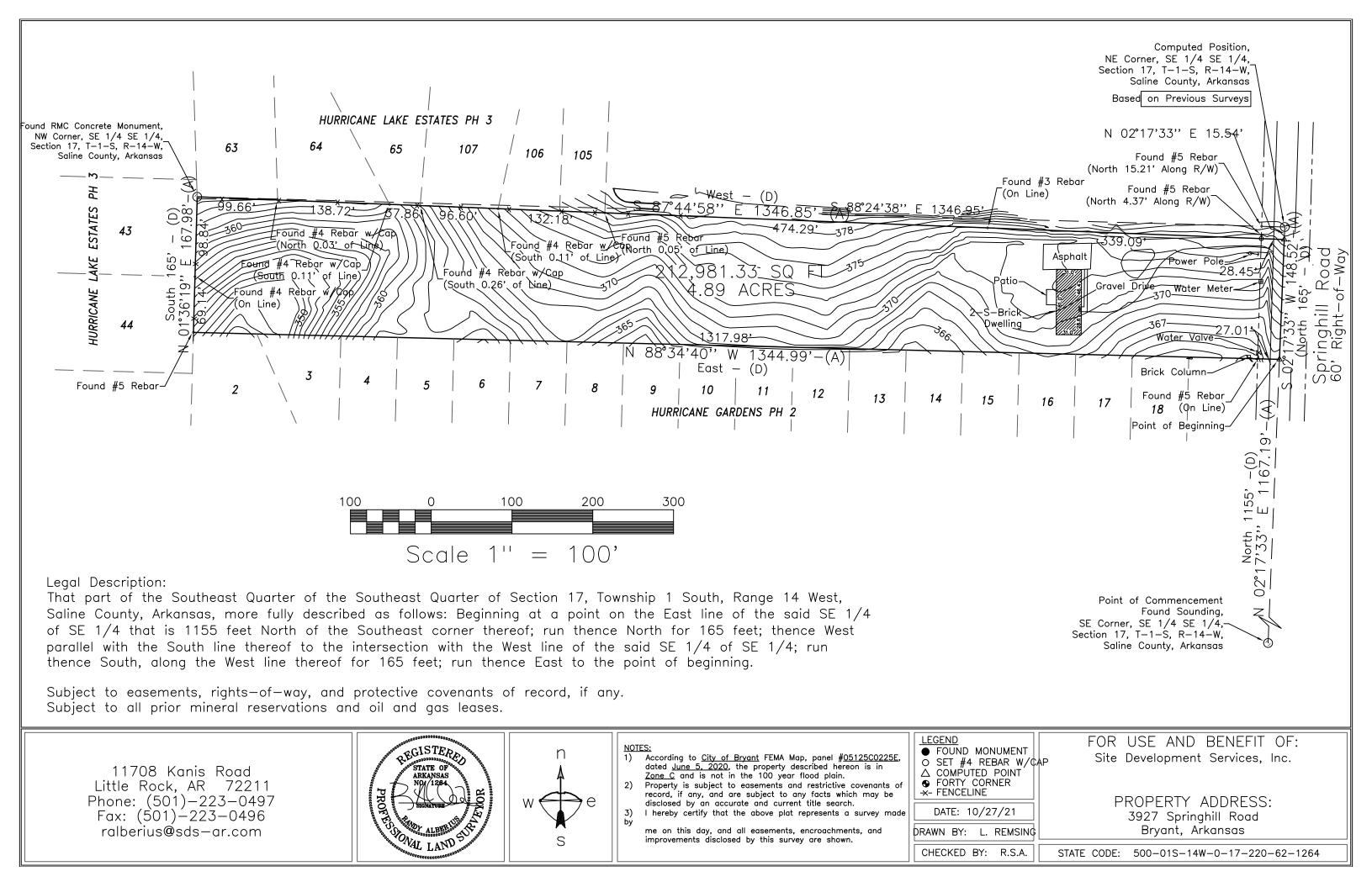
To Whom It May Concern:

Please accept this letter as the authority to designate Tim Lemons, PE, Lemons Engineering Consultants, Inc., 204 West Cherry Street, Cabot, AR 72023, as our representative for this project with respect to the proposed rezone, and presentation of the civil design plans.

Contact our office if you have any questions.

Sincerely,

Ankur Patel, Owner





Lemons Engineering Consultants, Inc. 204 West Cherry Street Cabot, Arkansas 72023 (501) 605-7565 arstrep43@gmail.com

May 8, 2024

City of Bryant, Arkansas Community Development 210 SW 3rd Street Bryant, Arkansas 72022

Re: Rezone Request – From R-2 to R-1-S

3927 Springhill Road, Bryant, AR

Parcel #840-11855-000

To Whom It May Concern:

Please accept this letter as a formal request for a Rezone on the subject property located at 3927 Springhill Road, Bryant, AR. We ask that this request be included on the agenda of the June 10, 2024, City of Bryant Planning Commission meeting.

Attached you will find the Rezone Application, Authority Letter from the Owner establishing the Designee, and a recent survey of the property. From inspecting the survey you will find that the shape of the lot is relatively strange. Whereas the parcel contains 4.89 acres, the width of the tract is only 148.52 feet. This unusual shape will cause us to only have one row of lots along a planned road. Due to this limitation, we feel the rezone is justified.

We have included a word document version of the legal description to assist in creating all documents necessary for this rezone to be heard. Please review the enclosed and contact me if additional information is needed.

Sincerely,

Tim Lemons, PE

William (Bill) Gray 307 SW 4th Steet Bryant, AR 72022

Letter Stating Request of Conditional Use Permit and Reason for Request To Whom it May Concern,

I am requesting approval of my Conditional Use Permit to allow me to get a building permit and to build a lean-too to my shop. I have a 30' x 55' shop in my back yard that I keep and work on my old cars. I built the shop 10 years ago and added another bay on last year and just recently bought another car. I thought I would add another 15' X 44' lean to onto the existing shop. I am retired and am doing the work myself. I have attached sketches of my shop and the new lean-too.

I have talked to my neighbor on the west side, Joe Casey, and he has no problem with my lean-too. Him and I are very good friends and he comes over or I go over to his place. I have a privacy fence that hides most of the shop and backyard. I keep the yard well maintained and looking good.

Thank You,

William Gray



Conditional Use Permit Application

Applicants are advised to read the Conditional Use Permit section of Bryant Zoning Code prior to completing and signing this form. The Zoning Code is available at www.cityofbryant.com under the Planning and Community Development tab.

Applicant or Designee:	Project Location:
Name William Gray (Bill)	Property Address 307 SW. 4 M Street
Name Milliam Gray (Bill) Address 1300 N. Richardson Pl.)	Parcel Number 840-15969-0000
Phone <u>501-425-8975</u>	Parcel Number 840 15969-0000
Email Address: bill 57g eg mail.Co.	
Property Owner (If different from Appli	
Name	
Phone	
Address	
Email Address	_
Additional Information:	
Legal Description (Attach description if nec	essary)
Description of Conditional Use Request (At	
Kequest Approval to bu	ild a lean-top to existing shop.

NOTICE OF PUBLIC HEARING

A public hearing will be held on Monday,
at the Bryant City Office Complex, 210 Southwest 3 rd Street, City of Bryant, Saline
County, for the purpose of public comment on a conditional use request at the site of
307 SW 4th St., Bryant, AR 72022 (address).
A legal description of this property can be obtained by contacting the Bryant Department
of Community Development.

Rick Johnson Chairman Board of Zoning Adjustment City of Bryant

This notice is to be run in the legal notices section of the Saline Courier no less than 15 days prior to the public hearing.

Application Checklist

Requirements for Submission

Letter stating request of Conditional Use and reasoning for request
Completed Conditional Use Permit Application
Submit Conditional Use Permit Application Fee (\$125)
Submit Copy of completed Public Notice
Publication: Public Notice shall be published at least one (1) time fifteen (15) days prior to the public hearing at which the variance will be heard. Once published please provide a proof of publication to the Community Development office.
Posting of Property: The city shall provide a sign to post on the property involved for the fifteen (15) consecutive days leading up to Public hearing. One (1) sign is required for every two hundred (200) feet of street frontage.
Submit eight (8) Copies of the Development Plan (Site Plan) showing: • Location, size, and use of buildings/signs/land or improvements • Location, size, and arrangement of driveways and parking. Ingress/Egress • Existing topography and proposed grading • Proposed and existing lighting • Proposed landscaping and screening • Use of adjacent properties • Scale, North Arrow, Vicinity Map • Additional information that may be requested by the administrative official due
to unique conditions of the site.

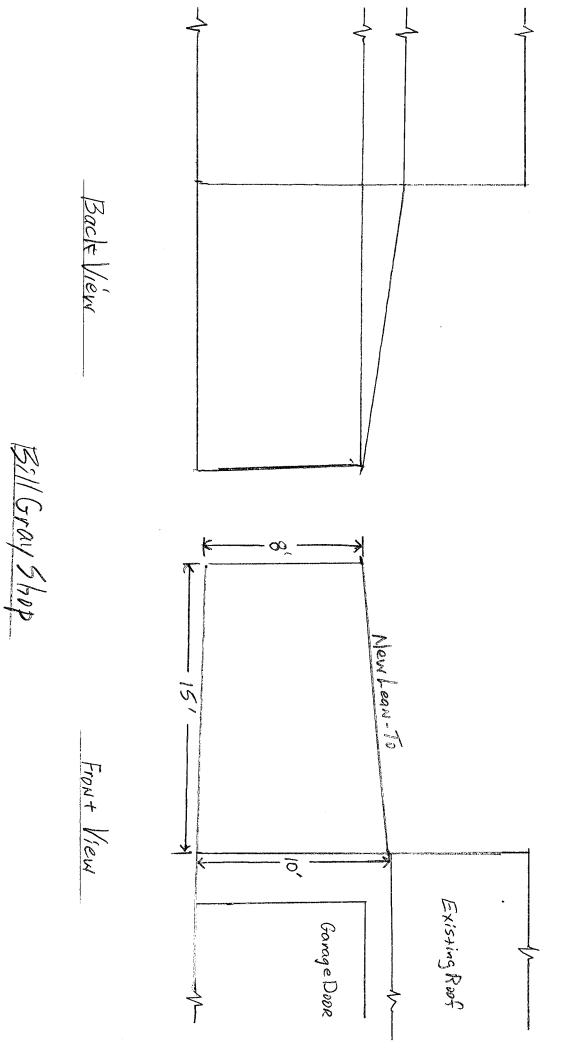
Once the application is received, the material will be reviewed to make sure all the required information is provided. The applicant will be notified if additional information is required. The application will then go before the Development and Review Committee (DRC) for a recommendation to the Planning Commission. A public hearing will be held at this meeting for comments on the Conditional Use. After the public hearing, the Planning Commission will make a decision on the use.

Note: that this is not an exhaustive guideline regarding the Conditional Use Permit Proc Additional information is available in the Bryant Zoning Ordinance.	ess.
READ CAREFULLY BEFORE SIGNING I William I do hereby certify that all information contained within this applicate true and correct. I further certify that the owner of the property authorizes this proposed application. I understand that I comply with all City Codes and that it is my responsibility to obtain all necessary permits required.	

Existing Shop

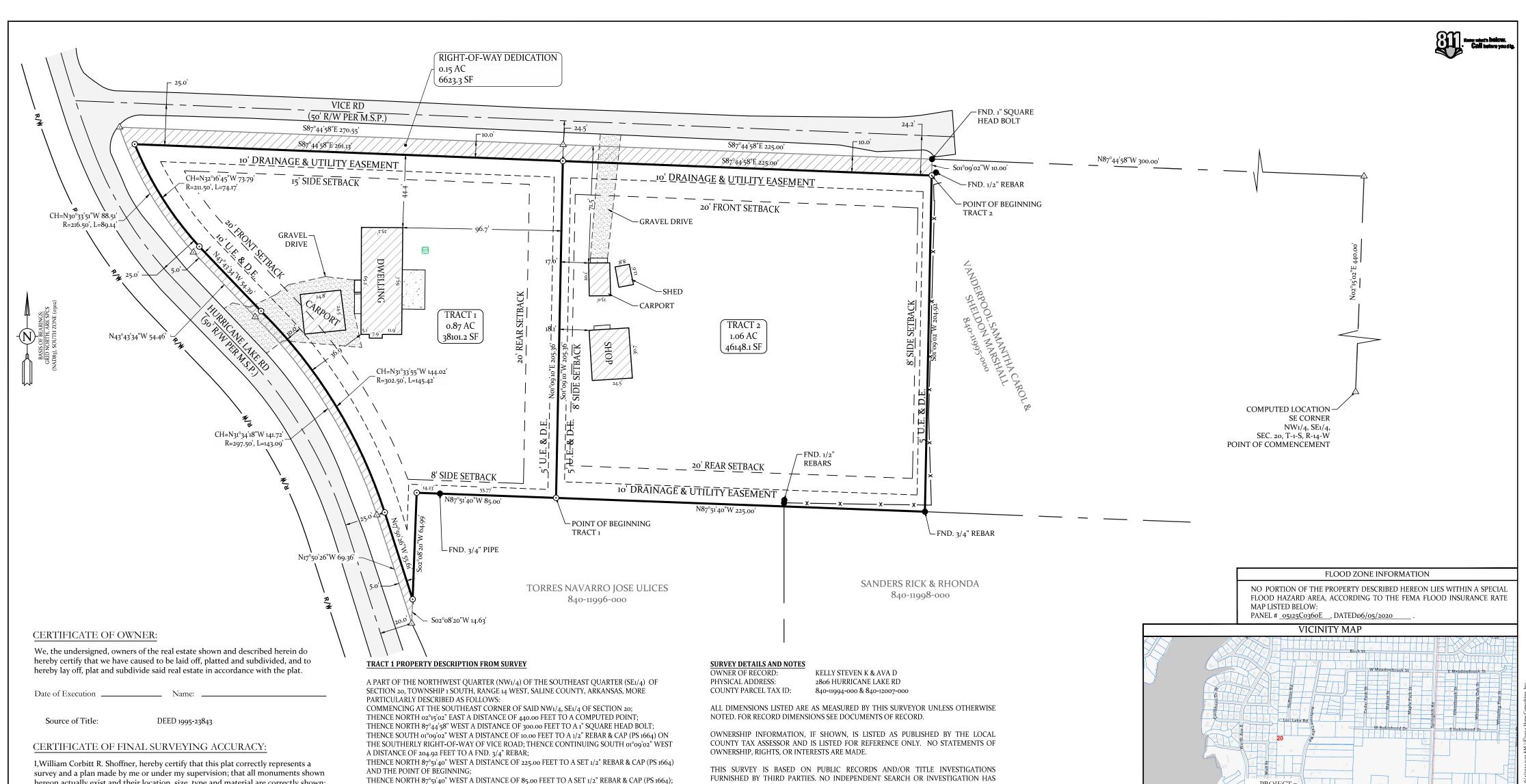
1511 Gray Shop 307 SWH th Gtreet Bryant fix

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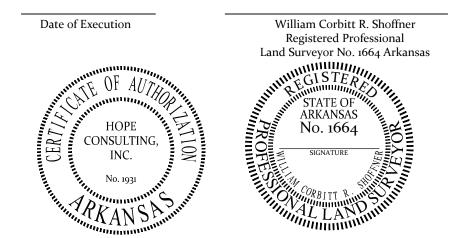


P05+ Post New Leav-To Roof Existing Shop Exid 10'

END VIEW Bill Gray Thop



hereon actually exist and their location, size, type and material are correctly shown; and that all interior lot lines have been adjusted to "as built conditions" and are accurately described on the plat and identified on the ground in terms of length and direction of the property sides.



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 _, 20_____. All Documents are hereby accepted, and this certificate is hereby executed under the authority of said rules and regulations.

Date of Execution

Bryant Planning Commission Chairman

THENCE NORTH 87°51'40" WEST A DISTANCE OF 85.00 FEET TO A SET 1/2" REBAR & CAP (PS 1664); THENCE SOUTH 02°08'20" WEST A DISTANCE OF 64.99 FEET TO A SET 1/2" REBAR & CAP (PS 1664) ON THE EASTERLY RIGHT-OF-WAY OF HURRICANE LAKE ROAD;

THENCE ALONG SAID EASTERLY RIGHT-OF-WAY PARALLEL WITH NORTH 17°50'26" WEST A DISTANCE OF 55.61 FEET TO A SET 1/2" REBAR & CAP (PS 1664); BEING THE POINT OF CURVATURE OF A CURVE TO THE LEFT, HAVING A RADIUS OF 302.50 FEET, AND CHORD BEARING OF NORTH 31°33'55" WEST A DISTANCE OF 144.02 FEET; THENCE ALONG THE ARC OF SAID CURVE A DISTANCE OF 145.42 FEET TO A SET 1/2" REBAR & CAP (PS 1664); THENCE NORTH 43°43'34" WEST A DISTANCE OF 54.39 FEET TO A SET 1/2" REBAR & CAP (PS 1664); BEING THE POINT OF CURVATURE OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 211.50 FEET, AND CHORD BEARING OF NORTH 32°16'45" WEST A DISTANCE OF 73.79 FEET; THENCE ALONG THE ARC OF SAID CURVE A DISTANCE OF 74.17 FEET TO A SET 1/2" REBAR & CAP (PS 1664) AT THE INTERSECTION OF SAID EASTERLY RIGHT-OF-WAY OF HURRICANE LAKE ROAD AND THE SOUTHERLY RIGHT-OF-WAY OF VICE ROAD;

THENCE ALONG SAID SOUTHERLY RIGHT-OF-WAY OF VICE ROAD SOUTH 87°44'58" EAST A DISTANCE OF 261.13 FEET TO A SET 1/2" REBAR & CAP (PS 1664);

THENCE LEAVING SAID SOUTHERLY RIGHT-OF-WAY SOUTH 01°09'10" WEST A DISTANCE OF 205.36 FEET TO THE POINT OF BEGINNING; CONTAINING 38,101.2 SQUARE FEET, OR 0.87 ACRES, MORE OR LESS.

TRACT 2 PROPERTY DESCRIPTION FROM SURVEY

A PART OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHEAST QUARTER (SE1/4) OF SECTION 20, TOWNSHIP 1 SOUTH, RANGE 14 WEST, SALINE COUNTY, ARKANSAS, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID NW1/4, SE1/4 OF SECTION 20; THENCE NORTH 02°15'02" EAST A DISTANCE OF 440.00 FEET TO A COMPUTED POINT; THENCE NORTH 87°44′58" WEST A DISTANCE OF 300.00 FEET TO A 1" SQUARE HEAD BOLT; THENCE SOUTH 01°00'02" WEST A DISTANCE OF 10.00 FEET TO A 1/2" REBAR & CAP (PS 1664) ON THE SOUTHERLY RIGHT-OF-WAY OF VICE ROAD AND THE POINT OF BEGINNING; THENCE SOUTH 01°09′02″ WEST A DISTANCE OF 204.92 FEET TO A FND. 3/4″ REBAR; THENCE NORTH 87°51'40" WEST A DISTANCE OF 225.00 FEET TO A SET 1/2" REBAR & CAP (PS 1664; THENCE NORTH 01°09'10" EAST A DISTANCE OF 205.36 FEET TO A SET 1/2" REBAR & CAP (PS 1664) ON SAID SOUTHERLY RIGHT-OF-WAY OF VICE ROAD: THENCE ALONG SAID SOUTHERLY RIGHT-OF-WAY SOUTH 87°44'58" EAST A DISTANCE OF 225.00

FEET TO THE POINT OF BEGINNING; CONTAINING 46,148.1 SQUARE FEET, OR 1.06 ACRES, MORE

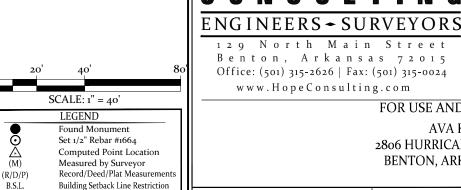
BEEN MADE BY THIS FIRM FOR ANY RECORDS, PUBLIC OR PRIVATE. LISTED REFERENCE DOCUMENTS HEREON WERE USED AND CONSIDERED AS A PART OF THIS SURVEY; HOWEVER OTHER RECORDS, IF ANY, COULD FURTHER AFFECT THIS SURVEY. NO STATEMENT OR GUARANTEES OF OWNERSHIP, RIGHTS, OR OTHER INTERESTS ARE MADE BY THIS SURVEY PLAT.

RECORD PROPERTY DESCRIPTION SALINE COUNTY INSTRUMENT DEED 1995-23843

THAT PART OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION

20, TOWNSHIP 1 SOUTH, RANGE 14 WEST, DESCRIBED AS FOLLOWS: BEGINNING AT A POINT 440 FEET NORTH AND 300 FEET WEST OF THE SOUTHEAST CORNER OF SAID NW 1/4 OF SE 1/4 AND RUN THENCE SOUTH 215 FEET; WEST 310 FEET; NORTH 75 FEET; WEST 80 FEET; THENCE IN A NORTHERLY DIRECTION PARALLEL TO HURRICANE LAKE ROAD TO A POINT THAT IS DIRECTLY WEST OF THE POINT OF BEGINNING; THENCE EAST 500 FEET TO THE POINT OF BEGINNING.

ALL THAT PART OF THE NORTHWEST OUARTER OF THE SOUTHEAST OUARTER. SECTION 20, TOWNSHIP 1 SOUTH, RANGE 14 WEST, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHWEST CORNER OF SAID NW 1/4 OF SE 1/4 AND RUN THENCE EAST 726 FEET; THENCE NORTH TO THE INTERSECTION WITH THE EASTERLY LINE OF HURRICANE LAKE ROAD, THIS BEING THE POINT OF BEGINNING OF THE LAND HEREIN DESCRIBED; FROM SAID POINT CONTINUE THENCE NORTH TO A POINT THAT IS 300 FEET NORTH AND 726 FEET EAST OF THE SOUTHWEST CORNER OF SAID NW 1/4 OF SE 1/4; RUN THENCE WEST 80 FEET, MORE OR LESS, TO THE EASTERLY LINE OF HURRICANE LAKE ROAD; RUN THENCE SOUTHEASTERLY ALONG THE EASTERLY LINE OF SAID ROAD TO THE POINT OF BEGINNING. ALL OF THE ABOVE LANDS LYING EAST OF HURRICANE LAKE ROAD.



Utility/Drainage Easement

Property Boundary Line

-x ----x --- Fence Lines

— – Centerlines

— Parcel Lines/Misc Line

IN THE NW1/4 OF THE SE1/4 OF SECTION 20, TOWNSHIP 1 SOUTH, RANGE 14 WEST, CITY OF BRYANT, SALINE COUNTY, ARKANSAS

FOR USE AND BENEFIT OF:

AVA KELLY 2806 HURRICANE LAKE ROAD BENTON, ARKANSAS, 72019

LOCATION

DATE: 04/26/2024	CAD BY: OV	PROJECT NUMBER:
REVISED: REV. 6/4/2024	CHECKED BY:	
SHEET: 1 OF 1	SCALE: 1" = 40'	24-0343
AR STATE LAND SURVEY FILING	G CODE: 500 - 01S - 14W -	0 - 20 - 240 - 62 - 1664

TRACT SPLIT



May 21 2024

Colton Leonard City of Bryant 210 S.W. 3rd Street Bryant, Arkansas 72022

RE: Replat Parcel # 840-11994-000 Hope Job #24-0343

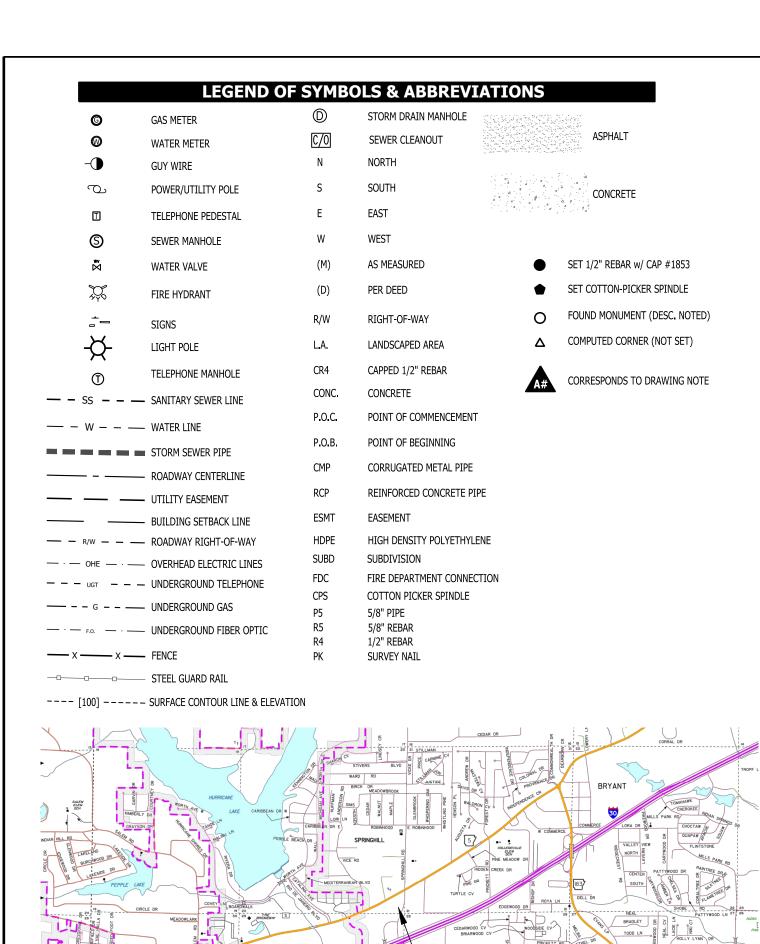
Dear Mr. Leonard,

Colton,

Please find the attached Replat proposed for 2806 Hurricane Lake Road. This 2 acre parcel is being proposed as division into two tracts. The resident in finalizing the septic permit for the additional parcel. Our client Steven and Ava Kelly are currently working through the approval process and we will provide that approval as soon as it is complete.

We look forward to discussing this replat with you further at DRC next week. Thank you for your	consideration.
Sincerely,	

Jonathan Hope



LAND DESCRIPTION:

A part of the Southeast Quarter of the Southeast Quarter of Section 20, Township 1 South, Range 14 West, Saline County, Arkansas, described as follows: Commencing at a #4 rebar marking the Southeast corner of Section 20, Township 1 South, Range 14 West; thence North 87 deg. 39 min. 39 sec. West (measured North 87 deg. 53 min. 51 sec. West) along the South line of said Section 20 a distance of 216.77 feet to a point on the Westerly right-of-way line of Springhill Road Crossover as established by AHTD Job #060711 said point being the point of beginning; thence continue North 87 deg. 40 min. 16 sec. West (measured North 87 deg. 53 min. 51 sec. West) along the South line of said Section 20 for 40.89 feet to a rebar with cap #568, said point also being the Southwest comer of land described in Document Number 2004-073448, records of Saline County, Arkansas; thence North 05 deg. 11 min. 29 sec. West (measured North 05 deg. 25 min. 41 sec. West) along the West line of land described in Document Number 2004-073448 for 467.18 feet; thence North 60 deg. 20 min. 26 sec. East 149.95 feet; thence South 53 deg. 05 min. 43 sec. East 53.18 feet; thence South 00 deg. 02 min. 31 sec. West 140.95 feet to a point on the Westerly right-of-way line of Springhill Road Crossover as established by AHTD Job #060711; thence along said Westerly right-of-way line of Springhill Road Crossover as established by AHTD Job #060711 the following courses: thence South 13 deg. 12 min. 03 sec. West (measured South 12 deg. 57 min. 52 sec. West) 158.40 feet; thence South 30 deg. 03 min. 32 sec. West (measured South 29 deg. 49 min. 21 sec. West) 122.38 feet; thence South 25 deg. 56 min. 09 sec. West (measured South 25 deg. 41 min. 57 sec. West) 171.72 feet to the point of beginning, containing 2.21 acres, more

VICINITY MAP

(NTS)

GENERAL NOTES

- BASIS OF BEARING FOR THIS SURVEY IS ARKANSAS STATE PLANE GRID SOUTH. DISTANCES SHOWN ARE GROUND DISTANCES.
- REFERENCES: A. SURVEY BY GARNAT ENGINEERING FOR MERCHANTS AND FARMERS BANK DATED
- B. SURVEY BY RASBURRY SURVEYING FOR MERCHANTS & FARMERS BANK DATED 3-9-16.

CERTIFICATION

BRYANT, AR

- SITE LOCATION

I HEREBY CERTIFY THAT THE ABOVE PLAT REPRESENTS A SURVEY MADE BY ME OR UNDER MY SUPERVISION ON THIS DAY AND THAT ALL CORNERS ARE SET AS SHOWN. NO INDEPENDENT SEARCH FOR EASEMENTS, COVENANTS, ENCUMBRANCES, OR ANY OTHER FACTS WHICH AN ACCURATE TITLE SEARCH MAY DISCLOSE WAS PERFORMED.

ZANE ROBBINS, AR PLS #1853

U1. UTILITIES SHOWN ON THIS SURVEY ARE NOTED BY VISIBLE OBSERVATION ONLY. LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS SURVEY MUST BE CONSIDERED TO BE APPROXIMATE AS NO EXCAVATION HAS TAKEN PLACE AS OF THIS DATE TO DETERMINE THEIR EXACT LOCATION. OTHER UTILITIES, TO WHICH THE EXISTENCE AND LOCATION ARE UNKNOWN, MAY BE LOCATED ON OR NEAR THE SUBJECT PROPERTY.

UTILITY NOTES

CERTIFICATE OF SURVEY ACCURACY

I, ZANE ROBBINS, HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A BOUNDARY SURVEY MADE OR VERIFIED BY ME. THAT ALL SURVEYING REQUIREMENTS OF THE STATE OF ARKANSAS AND CITY OF BRYANT SUBDIVISION RULES AND REGULATIONS HAVE BEEN COMPLIED WITH AND FILED FOR RECORD AS REQUIRED.

DATE OF EXECUTION

REGISTERED PROFESSIONAL LAND SURVEYOR

NO. 1853 ARKANSAS **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 THIS PLAT. DATE OF EXECUTION _____

SOURCE OF TITLE: INSTRUMENT No.

CERTIFICATE OF ENGINEERING ACCURACY

I, PHILLIP A. LEWIS, HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A PLAT MADE BY ME, AND THAT ENGINEERING REQUIREMENTS OF THE CITY OF BRYANT SUBDIVISION RULES AND REGULATIONS HAVE BEEN COMPLIED WITH.

PLAT APPROVAL

DATE OF EXECUTION

REGISTERED PROFESSIONAL ENGINEER NO. 9540 ARKANSAS

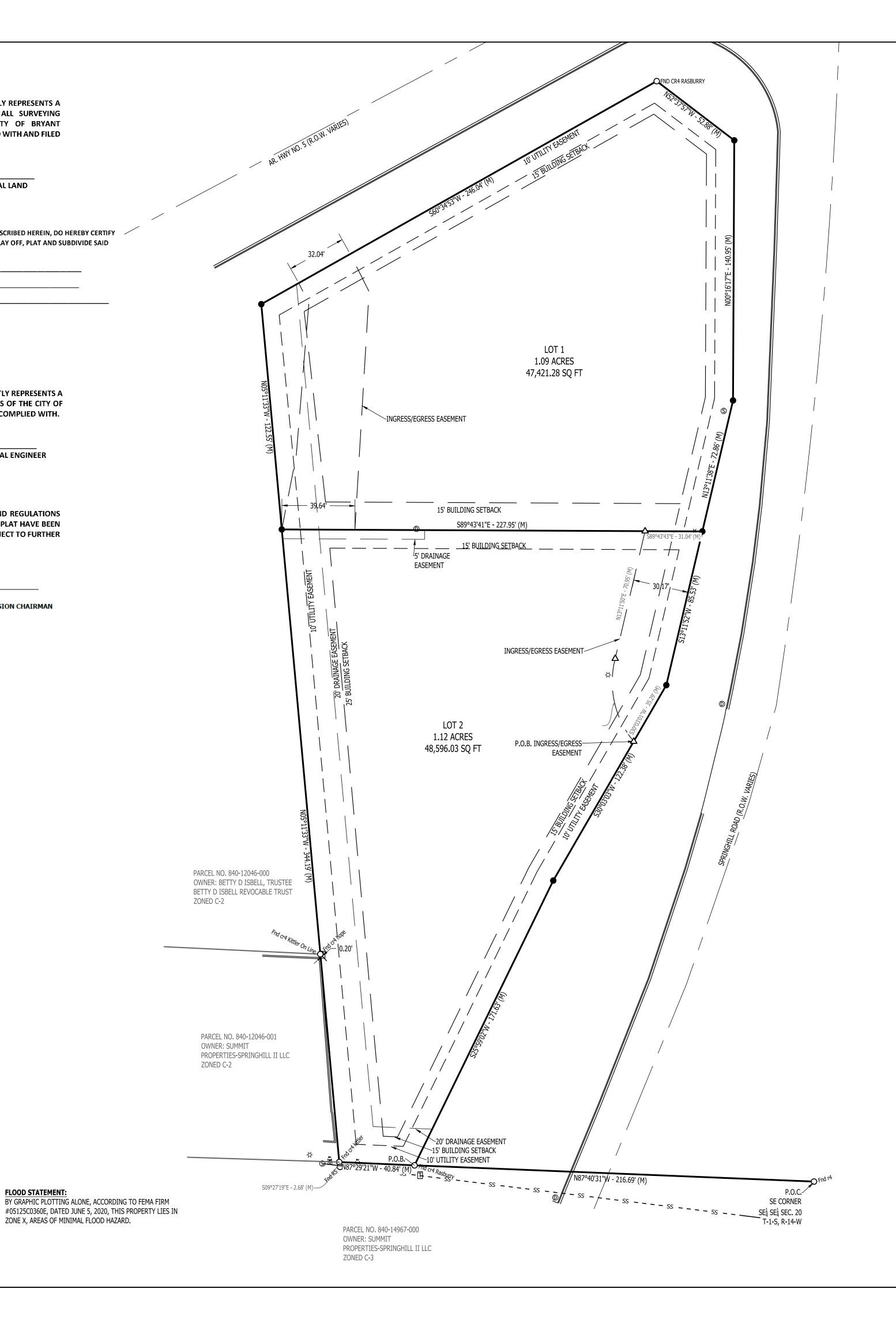
CERTIFICATE OF FINAL

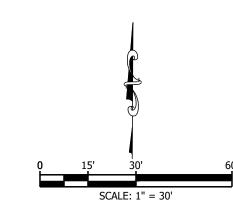
ALL REQUIREMENTS OF THE BRYANT SUBDIVISION RULES AND REGULATIONS RELATIVE TO THE PREPARATION AND SUBMITTAL TO A FINAL PLAT HAVE BEEN FULFILLED, APPROVAL OF THIS PLAT IS HEREBY GRANTED, SUBJECT TO FURTHER PROVISIONS OF SAID RULES AND REGULATIONS.

DATE OF EXECUTION

BRYANT PLANNING COMMISSION CHAIRMAN

ZONE X, AREAS OF MINIMAL FLOOD HAZARD.





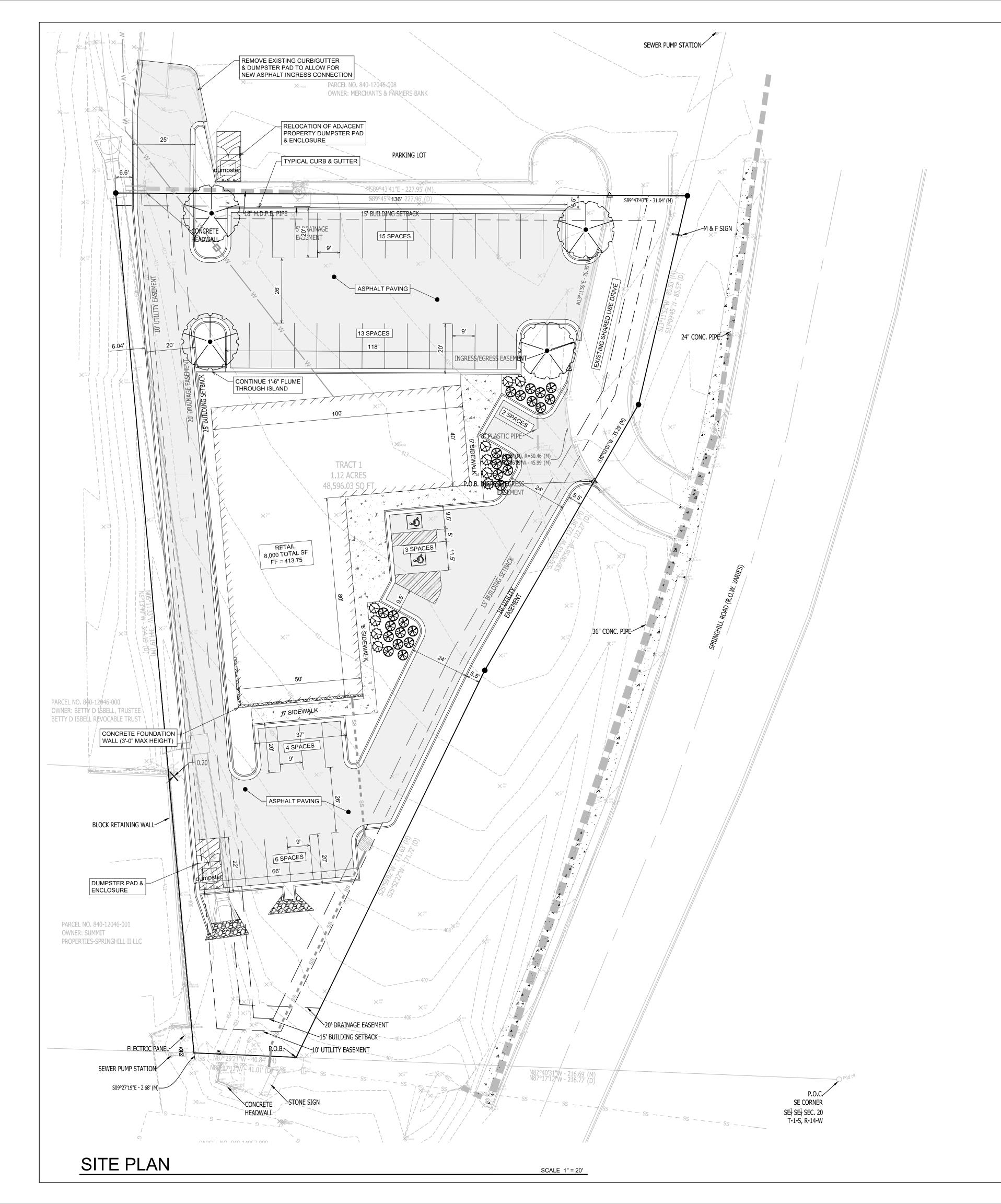
PROPERTY ADDRESS SPRINGHILL ROAD BRYANT, AR.

REVISIONS

SUBDIVISION

ROBBINS PROFESSIONAL LAND SERVICE

1 of 1





Vicinity Map

SCALE 1" = 500'

GENERAL SITE NOTES

- TOTAL NEW DEVELOPMENT AREA = (+/-) 1.12 ACRES
- PROPERTY IS ZONED C-2 3. 43 PARKING SPACES PROVIDED INCLUDING 2 ADA ACCESSIBLE PARKING SPACES 4. ALL DIMENSIONS ARE TO THE BACK OF CURB AND/OR EDGE OF PAVEMENT
- DAMAGE TO PUBLIC AND PRIVATE PROPERTY DUE TO HAULING OPERATIONS OR OPERATIONS OF CONSTRUCTION RELATED EQUIPMENT FROM A CONSTRUCTION SITE SHALL BE REPAIRED BY THE THE RESPONSIBLE PARTY PRIOR TO THE ISSUANCE OF A
- CERTIFICATE OF OCCUPANCY. 6. REPAIR, REPLACE, OR EXTEND EXISTING DAMAGED OR MISSING CURB AND GUTTER, SIDEWALK OR RAMPS WITHIN THE PUBLIC RIGHT OF WAY.
- 7. ALL SIGNAGE, PAVEMENT MARKING AND PARKING LOT STRIPING SHALL CONFORM TO REQUIREMENTS GIVEN IN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). MUTCD REQUIRES THAT PARKING SPACES BE MARKED IN WHITE.

PARKING CALCULATIONS

ZONING = C-2

REQUIREMENT = 1 SPACE PER 200 SQ. FT BUILDING AREA = 8,000 SQ. FT.

TOTAL REQUIRED SPACES = 40 TOTAL PROVIDED SPACES = 43

GENERAL CONSTRUCTION NOTES

- A. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR DAMAGES OCCURRING TO ANY PROPERTY DURING THE CONSTRUCTION OF THIS PROJECT. SAID CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT PROPERTY DAMAGE.
- B. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL SOLELY AND COMPLETELY BE RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND WILL NOT BE LIMITED TO NORMAL WORKING

ENGINEERING,

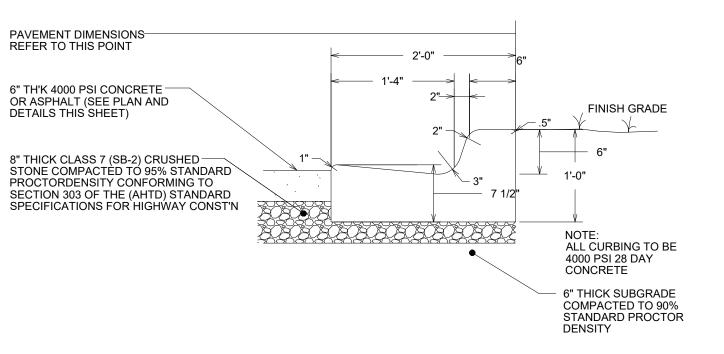
PHILLIP

REVISION:

- C. THE DUTY OF BRYANT UTILITIES TO CONDUCT CONSTRUCTION INSPECTION REVIEWS OF THE CONTRACTOR'S PERFORMANCE IS NOT AN INSPECTION OR REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S
- SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE. D. ALL WATER AND SEWER IMPROVEMENTS SHALL BE CONSTRUCTED IN
- ACCORDANCE WITH THE LATEST REVISION TO THE CITY OF BRYANT'S WATER AND WASTEWATER (SANITARY SEWER) STANDARD SPECIFICATIONS.

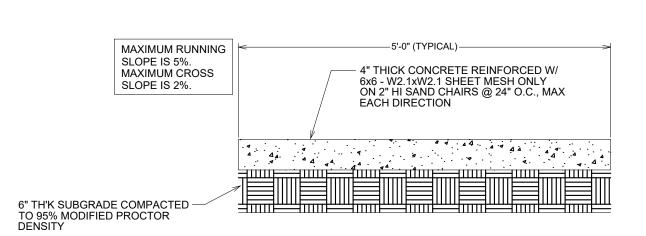
E. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION

- AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF ALL UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.
- CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- PRIOR TO INSTALLATION OF ANY UTILITIES, THE CONTRACTOR IS TO EXCAVATE, VERIFY AND CALCULATE ALL CROSSINGS AND INFORM ANY AND ALL UTILITIES OF ANY CONFLICTS PRIOR TO CONSTRUCTION.
- H. CONSTRUCTION SHALL NOT START ON ANY WATER UTILITY TIE-INS UNTIL APPROVAL IS GIVEN BY BRYANT UTILITIES. SAID CONTRACTOR SHALL NOT OPERATE ANY VALVE, HYDRANT, OR WATER UTILITY APPURTENANCE NOR SHALL HE ATTACH TO OR TAP ANY WATER UTILITY MAIN WITHOUT APPROVAL. THE CONTRACTOR SHALL BEAR THE COST AND CONSEQUENCE OF ANY DISRUPTION OF UTILITY OPERATION CAUSED BY CONSTRUCTION.
- FIBER OPTIC CABLE ON AND/OR ADJACENT TO THIS SITE WERE NOT LOCATED BY THE SURVEY AND ARE NOT SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY FIBER OPTIC CABLES ASSOCIATED WITH THIS SITE AND TAKE ALL NECESSARY AND REQUIRED PRECAUTIONS TO PROTECT ANY EXISTING FIBER OPTIC CABLES. CONTRACTORS SHALL COORDINATE ALL EFFORTS WITH OWNER OF FIBER OPTIC CABLES OR THEIR DESIGNATED REPRESENTATIVE.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "ONECALL" SERVICE TO MARK ALL UTILITIES PRIOR TO ANY DEMOLITION, EARTHWORK, OR UTILITY WORK ON THIS SITE.



2'-0" CONCRETE CURB & GUTTER

NOT TO SCALE



CONCRETE WALK SECTION

MEDIUM DUTY

NOT TO SCALE

NOTE:

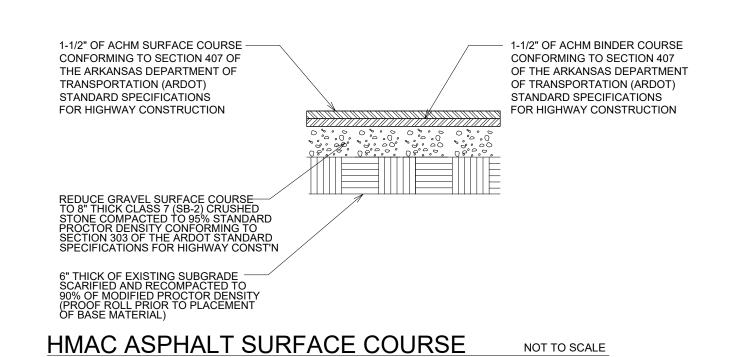
1. ALL SIDEWALK JOINTS TO BE STEEL TROWELED. ALL JOINT EDGES AND SHALL BE SPACED AT

5 FEET ON CENTER MAXIMUM IN ALL DIRECTIONS AND SHALL BE STEEL TROWELED ON A

RADIUS NOT TO EXCEED ONE-HALF INCH.

2. CONTRACTOR RESPONSIBLE FOR ENSURING ADA COMPLIANT RUNNING & CROSS SLOPES.

SPOT GRADES SHOWN ON ENGINEERING PLANS SHOW BEST INTENT WITH AVAILABLE INFORMATION.

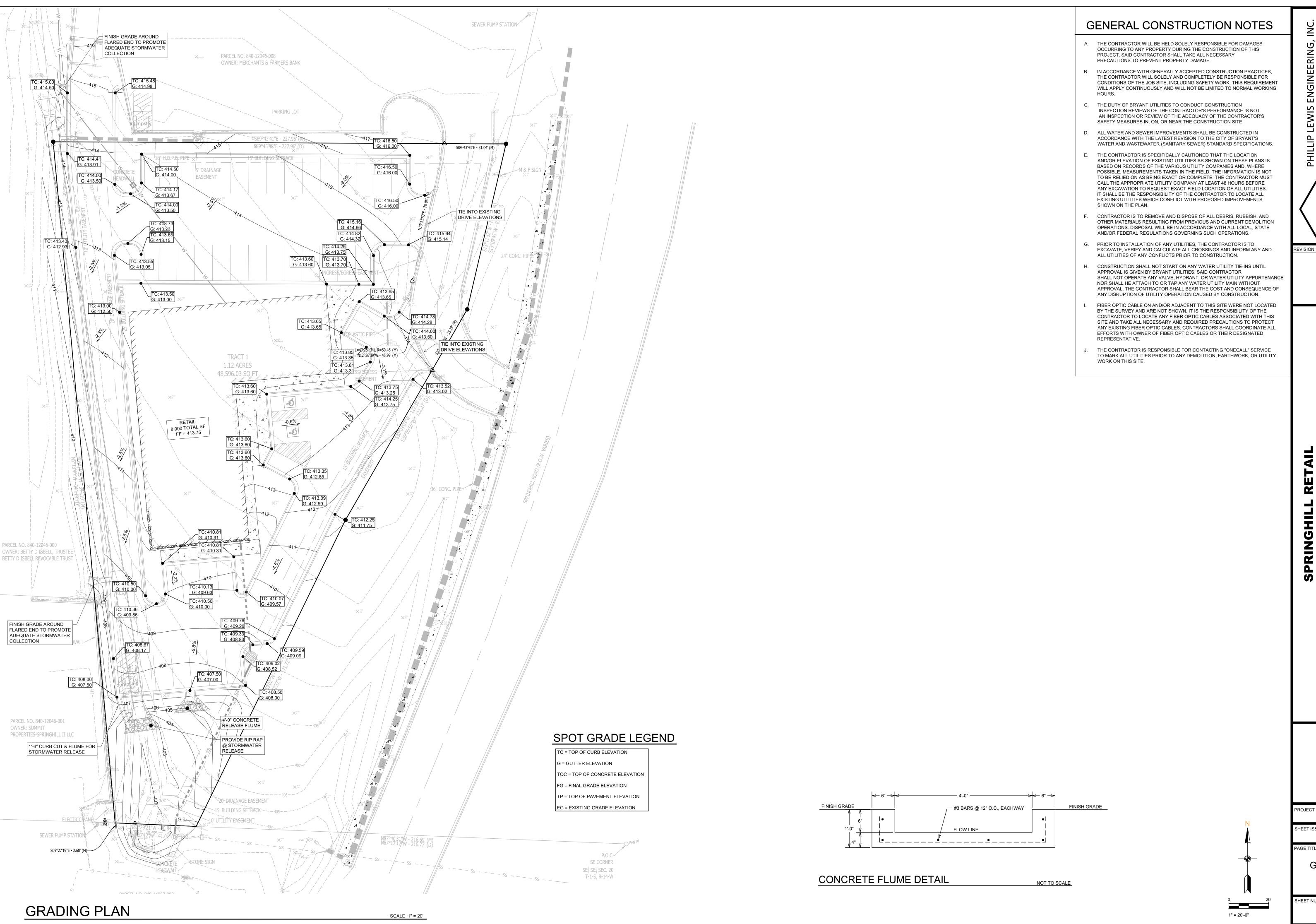


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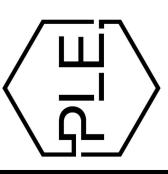
05-22-2024

SITE PLAN

HEET NUMBER:



ENGINEERING,



REVISION:

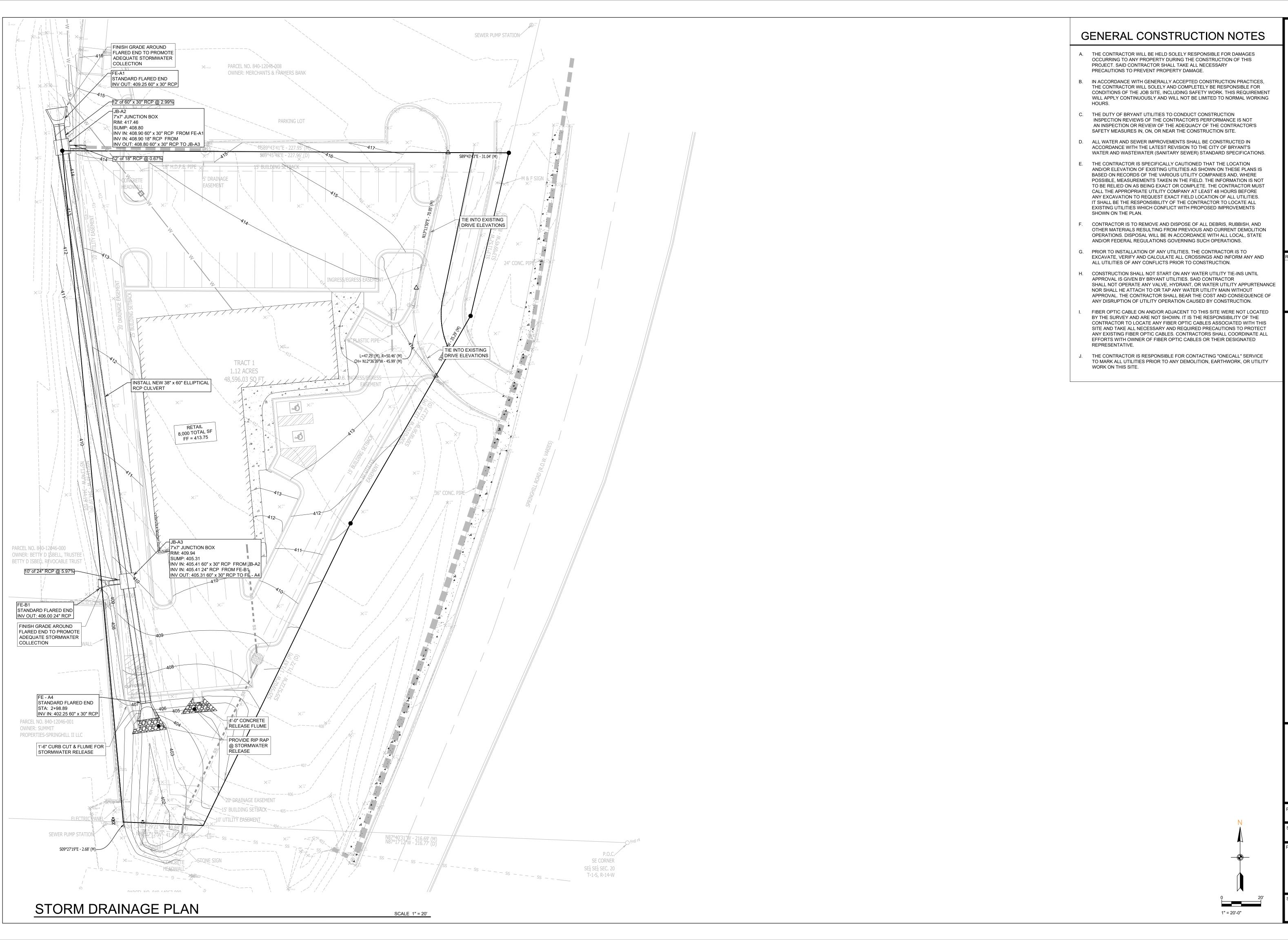
PROJECT NUMBER:

05-22-2024

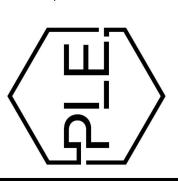
GRADING

PLAN

HEET NUMBER:



PHILLIP LEWIS ENGINEERING,
Structural + Civil Consultants



REVISION:

J

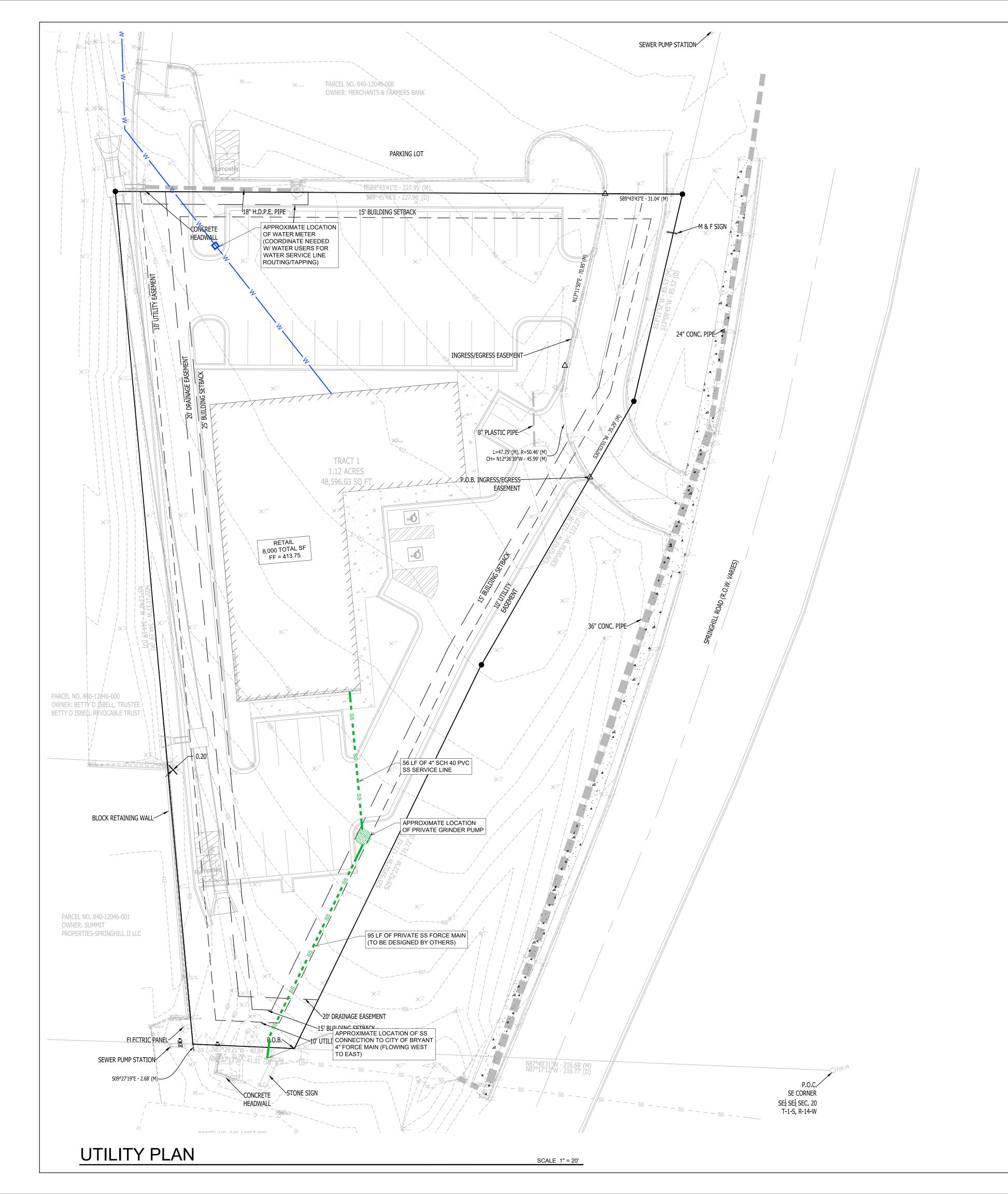
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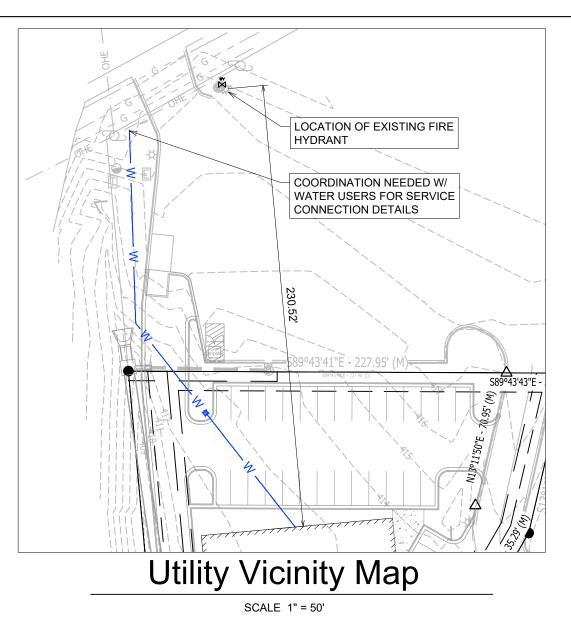
SHEET ISSUE DATE: 05-22-2024

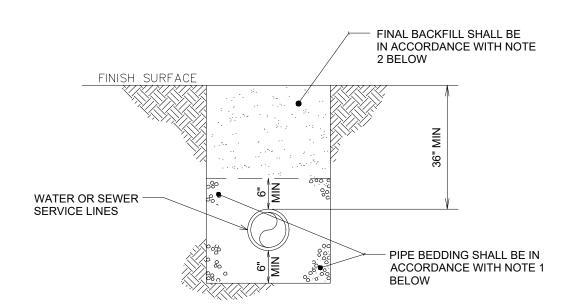
GE TITLE:

STORM DRAINAGE PLAN

HEET NUMBER:







GENERAL CONSTRUCTION NOTES

- A. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR DAMAGES OCCURRING TO ANY PROPERTY DURING THE CONSTRUCTION OF THIS PROJECT. SAID CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT PROPERTY DAMAGE.
- B. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL SOLELY AND COMPLETELY BE RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND WILL NOT BE LIMITED TO NORMAL WORKING
- C. THE DUTY OF BRYANT UTILITIES TO CONDUCT CONSTRUCTION INSPECTION REVIEWS OF THE CONTRACTOR'S PERFORMANCE IS NOT AN INSPECTION OR REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.
- D. ALL WATER AND SEWER IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION TO THE CITY OF BRYANT'S

WATER AND WASTEWATER (SANITARY SEWER) STANDARD SPECIFICATIONS.

- E. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF ALL UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS
- CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE

SHOWN ON THE PLAN.

AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS. PRIOR TO INSTALLATION OF ANY UTILITIES, THE CONTRACTOR IS TO EXCAVATE, VERIFY AND CALCULATE ALL CROSSINGS AND INFORM ANY AND

ALL UTILITIES OF ANY CONFLICTS PRIOR TO CONSTRUCTION.

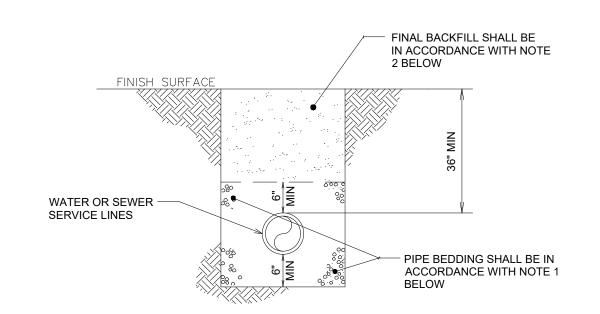
- H. CONSTRUCTION SHALL NOT START ON ANY WATER UTILITY TIE-INS UNTIL APPROVAL IS GIVEN BY BRYANT UTILITIES. SAID CONTRACTOR SHALL NOT OPERATE ANY VALVE, HYDRANT, OR WATER UTILITY APPURTENANCE NOR SHALL HE ATTACH TO OR TAP ANY WATER UTILITY MAIN WITHOUT APPROVAL. THE CONTRACTOR SHALL BEAR THE COST AND CONSEQUENCE OF ANY DISRUPTION OF UTILITY OPERATION CAUSED BY CONSTRUCTION.
- FIBER OPTIC CABLE ON AND/OR ADJACENT TO THIS SITE WERE NOT LOCATED BY THE SURVEY AND ARE NOT SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY FIBER OPTIC CABLES ASSOCIATED WITH THIS SITE AND TAKE ALL NECESSARY AND REQUIRED PRECAUTIONS TO PROTECT ANY EXISTING FIBER OPTIC CABLES. CONTRACTORS SHALL COORDINATE ALL EFFORTS WITH OWNER OF FIBER OPTIC CABLES OR THEIR DESIGNATED REPRESENTATIVE.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "ONECALL" SERVICE TO MARK ALL UTILITIES PRIOR TO ANY DEMOLITION, EARTHWORK, OR UTILITY WORK ON THIS SITE.

WATER AND SEWER LINES BEDDING DETAIL

TO 95% STANDARD PROCTOR DENSITY.

NOT TO SCALE

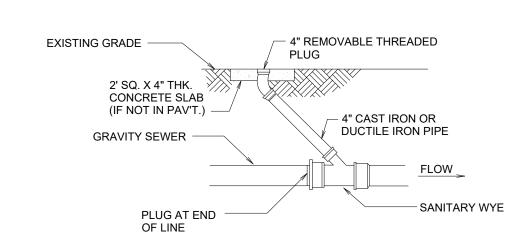
- 1. BEDDING SHALL BE "GRIT" PER ASTM 2774 OR ASTM D448 SIZE 67 A MINIMUM OF 6" ALL AROUND PIPE.
 2. INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS III COMPACTED TO 90% STANDARD PROCTOR. ALL BACKFILL UNDER PAVED AREAS SHALL BE CLASS 7 CRUSHED STONE (SB-2) COMPACTED
- 3. ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D2321-89. 4. ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8" LIFTS IN ACCORDANCE WITH ASTM D698. CLASS III AND IV-A MATERIALS SHALL BE COMPACTED TO NEAR OPTIMUM MOISTURE CONTENT.
- 6. FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS, AND ROCKS LARGER THAN 3". 7. ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES.



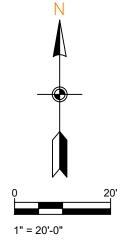
GAS LINE BEDDING DETAIL

NOT TO SCALE

- BEDDING SHALL BE "GRIT" PER ASTM 2774 OR ASTM D448 SIZE 67 A MINIMUM OF 6" ALL AROUND PIPE.
 BEDDING SHALL BE CLEAN SAND A MINIMUM OF 6" ALL AROUND PIPE.
- 2. INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS III COMPACTED TO 90% STANDARD PROCTOR. ALL BACKFILL UNDER PAVED AREAS SHALL BE CLASS 7 CRUSHED STONE (SB-2) COMPACTED
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- 4. ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8" LIFTS IN ACCORDANCE WITH ASTM D698. CLASS III AND IV-A MATERIALS SHALL BE COMPACTED TO NEAR OPTIMUM MOISTURE CONTENT.
- 5. FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS, AND ROCK LARGER THAN 3". 6. ALL TRENCH EXCAVATION SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED
- IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES.



THROUGH FLOW CLEANOUT



PROJECT NUMBER:

05-22-2024

UTILITY PLAN

HEET NUMBER:

ENGINEERING,

PHILLIP

REVISION:

LANDSCAPE PLAN

- PROJECT. SAID CONTRACTOR SHALL TAKE ALL NECESSARY
- B. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL SOLELY AND COMPLETELY BE RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY WORK. THIS REQUIREMENT

- OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- G. PRIOR TO INSTALLATION OF ANY UTILITIES, THE CONTRACTOR IS TO EXCAVATE, VERIFY AND CALCULATE ALL CROSSINGS AND INFORM ANY AND ALL UTILITIES OF ANY CONFLICTS PRIOR TO CONSTRUCTION.
- H. CONSTRUCTION SHALL NOT START ON ANY WATER UTILITY TIE-INS UNTIL APPROVAL IS GIVEN BY BRYANT UTILITIES. SAID CONTRACTOR SHALL NOT OPERATE ANY VALVE, HYDRANT, OR WATER UTILITY APPURTENANCE NOR SHALL HE ATTACH TO OR TAP ANY WATER UTILITY MAIN WITHOUT APPROVAL. THE CONTRACTOR SHALL BEAR THE COST AND CONSEQUENCE OF ANY DISRUPTION OF UTILITY OPERATION CAUSED BY CONSTRUCTION.
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- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "ONECALL" SERVICE TO MARK ALL UTILITIES PRIOR TO ANY DEMOLITION, EARTHWORK, OR UTILITY WORK ON THIS SITE.

PLANT SCHEDULE										
PLANT TYPE SYMBOL CODE QTY COM				COMMON	SCIENTIFIC NAME	CAL / SIZE				
TREES	REES WO 4 WILLOW OAK		QUERCUS PHELLOS	MIN. 3" DIAMETER @ BASE AND 12' TALL						
SHRUBS	\Diamond	BW	10	BOXWOOD	BUSUS SEMPERVIRENS 5 GAL (MAX 30" TALL AT INSTAI					
GROUND COVER	⊗	DN 25 DWARF NANDINA		DWARF NANDINA	N. DOMESTICA "HARBOUR DWARF"	3 GAL				
BEDDING		MU	1,530	MULCH						
GRASS		MU	10,035	BERMUDA						

GENERAL LANDSCAPING NOTES

GENERAL CONTRACTOR AND SHALL EXTEND OUT A MINIMUM OF 18" PAST ANY CURB OR PAVING.

6. ALL DISTRUBED AREAS ARE TO BE SODDED OR SEEDED, FERTILIZED, AND WATERED.

3. PROVIDE 3" DEPTH OF MULCH IN ALL LANDSCAPED ISLANDS AND BEDS LOCATED ALONG THE BUILDING. 4. PROVIDE 3" DEPTH OF MULCH AND METAL EDGING FOR LANDSCAPE NOT ADJACENT TO THE BUILDING.

PART OF THE LANDSCAPING SUBCONTRACT.

SOIL TESTING THAT MAY BE REQUIRED.

1. ALL LANDSCAPED AREAS OF THE SITE SHALL BE CONSTRUCTED WITH AN AUTOMATIC SPRINKLER IRRIGATION SYSTEM AS

2. GENERAL CONTRACTOR SHALL PROVIDE SCHEDULE 40 PVC SLEEVING 4" OR 6" UNDER ALL DRIVES AND PAVED AREAS FOR

5. LANDSCAPED AREAS TO BE AMENDED WITH 4" OF TOPSOIL, SCARIFY SOIL 3" PRIOR TO APPLICATION. ALL TOP SOIL SHALL

IRRIGATION SLEEVING SHALL BE BURIED A MINIMUM OF 18" BELOW GRADE AND THE ENDS OF THE SLEEVES CLEARLY MARKED BY THE

BE PLACED IN COORDINATION WITH GRADING AND DRAINAGE PLANS TO ENSURE THAT THE GRADING AND DRAINAGE DESIGN FOR THE

SITE IS MAINTAINED AFTER BEING SODDED OR SEEDED. EXISTING SOIL FROM THE SITE CAN BE STOCK PILED AND REUSED AS LONG AS IT IS OF QUALITY THAT ENCOURAGES ADEQUATE GROWTH OF PLANTING MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR ANY

05-22-2024

PLAN

LANDSCAPE

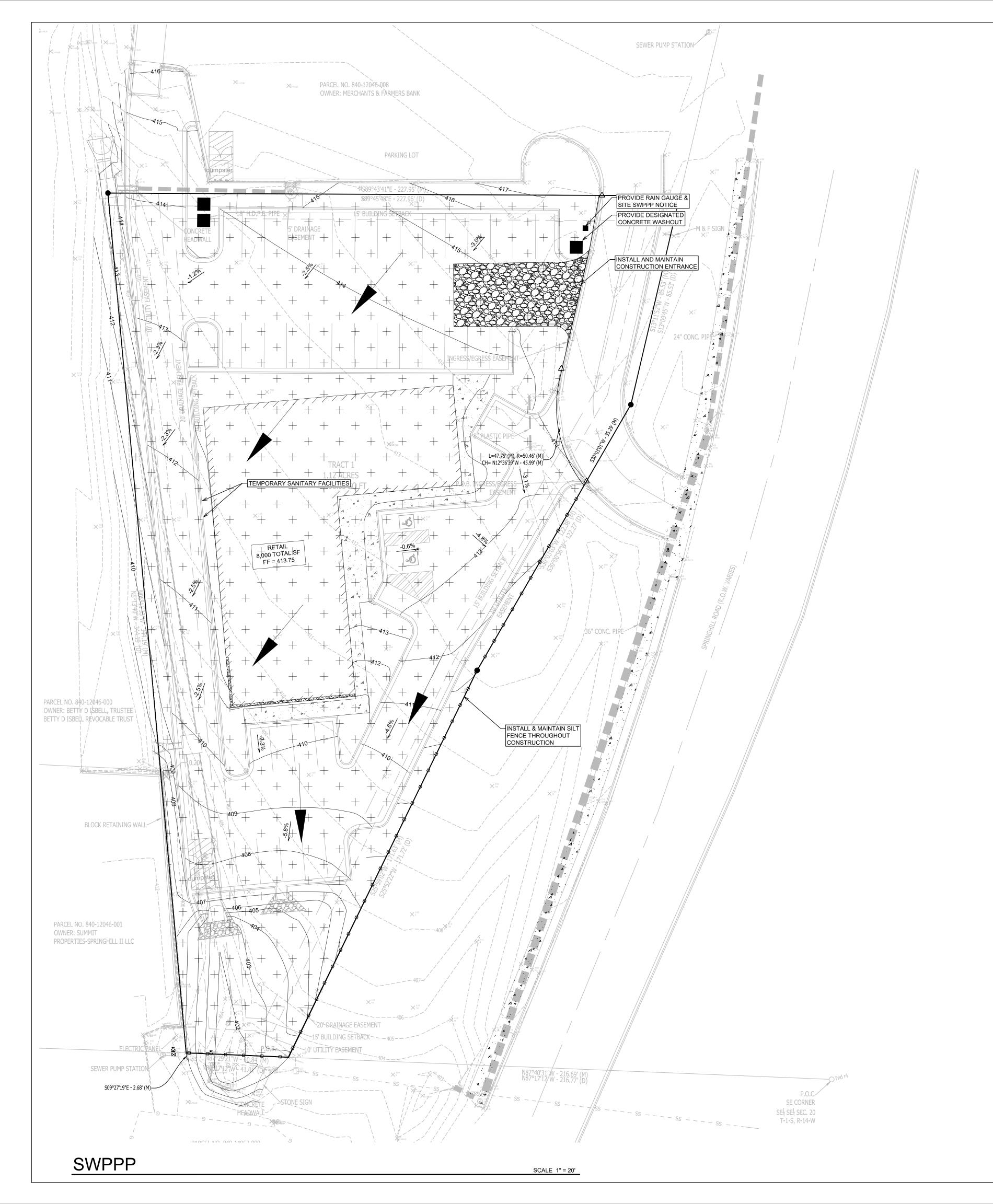
HEET NUMBER:

GENERAL CONSTRUCTION NOTES A. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR DAMAGES OCCURRING TO ANY PROPERTY DURING THE CONSTRUCTION OF THIS PRECAUTIONS TO PREVENT PROPERTY DAMAGE. WILL APPLY CONTINUOUSLY AND WILL NOT BE LIMITED TO NORMAL WORKING C. THE DUTY OF BRYANT UTILITIES TO CONDUCT CONSTRUCTION INSPECTION REVIEWS OF THE CONTRACTOR'S PERFORMANCE IS NOT AN INSPECTION OR REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE. D. ALL WATER AND SEWER IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION TO THE CITY OF BRYANT'S WATER AND WASTEWATER (SANITARY SEWER) STANDARD SPECIFICATIONS. E. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF ALL UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLAN. F. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH, AND

PHILLIP

REVISION:

ENGINEERING,



LEGEND

DISTURBED AREA



UNDISTURBED AREA



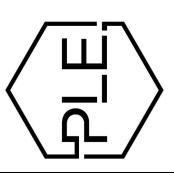


DRAINAGE DIRECTION

NOTES (GENERAL):

- 1. SEE EROSION CONTROL DETAILS IN SWPPP FOR EROSION CONTROL FACILITIES.
- SEE SWPPP FOR INSTALLATION, MAINTENANCE, INSPECTION, AND RECORD KEEPING REQUIREMENTS. 3. CONTRACTOR SHALL SHOW EROSION CONTROL MEASURE ON SITE MAP.
- 4. EROSION AND SEDIMENT CONTROL STRUCTURES TO MEET SWPPP DETAILS APPENDIX D 5. INSTALL ROCK DITCH, CHECK, OR SAND BAG CHECKS AS NECESSARY TO PREVENT SCOUR UNTIL
- LANDSCAPING IS ESTABLISHED. 6. CONTRACTOR MUST PLACE SEDIMENT BASIN WITH SEDIMENT FENCE OUTLET FOR ANY SEDIMENT
- CONTAMINATED DEWATERING DISCHARGE.
- 7. FINAL SLOPE WILL BE SAME DIRECTION AS EXISTING SLOPE. 8. TEMPORARY STABILIZATION PRACTICES WILL NOT BE REQUIRED. WORK WILL BE CONTINUOUS AND DISTURBED AREA REVEGITATED IN A TIMELY MANNER. SEE SWPPP FOR SEEDING MIXES.
- PERMANENT STABILIZATION OF ALL DISTURBED AREAS ARE TO BE SEEDED, FERTILIZED, WATERED AND COVERED WITH STRAW UNLESS OTHERWISE NOTED ON PLANS TO BE HYDROSEEDED.
- 10. CONTRACTOR TO SHOW CONCRETE WASH OUT SUMP, ENTRANCE/EXIT PAD AND OTHER CONTROLS AS REQUIRED/NEEDED AS SWPPP SITE MAP IS UPDATED THROUGHOUT THE DURATION OF THE PROJECT.
- 11. STOCKPILING OF CONSTRUCTION SPOIL MATERIAL AT PARTICULAR LOCATIONS SHALL ONLY BE ALLOWED FOR A LIMITED TIME PERIOD, NOT TO EXCEED (6) MONTHS. PRIOR TO A FINAL INSPECTION OF THE GRADING PERMIT, THE FOLLOWING STANDARDS SHALL BE ACHIEVED FOR
- COMPLETION OF CONSTRUCTION: a) DEVELOPMENT AND GRADING WITHIN THE DISTURBED AREA IS COMPLETE AND MATCHES PLANS AS APPROVED BY THE PLANNING
- b) THE DISTURBED SOIL AREA IS OBSERVED TO HAVE 80% GRASS COVERAGE AND 100% STABILITY, AND c) NO SLOPES STEEPER THAN A 3:1 PITCH UNLESS OTHERWISE APPROVED IN WRITING BY THE DIRECTOR OF ENGINEERING, AND
- d) NOTICE OF VIOLATIONS ISSUED HAVE ALL CORRECTIVE ACTIONS APPROVED WITH AN INSPECTION REPORT SIGNED BY A REPRESENTATIVE OF THE DIRECTOR OF ENGINEERING, AND
- e) ALL HEAVY EQUIPMENT, STOCKPILES, AND CONSTRUCTION SITE MATERIALS HAVE BEEN REMOVED FROM THE CONSTRUCTION SITE.

ENGINEERING, PHILLIP



REVISION:

PROJECT NUMBER:

05-22-2024

SWPPP

SHEET NUMBER: C1.6



Structural + Civil Consulta

23620 Interstate 30 | Bryant, Arl

VISION:

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SPRINGHILL RETAIL

HEET ISSUE DATE:

05-22-

OVERALL DRAINAGE MAP

ET NUMBER:



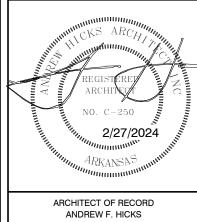








ENGINEERING DOCUMENTS FOR DETAILED GRADING AND DRAINAGE OF THIS AREA OF THE SITE WILL BE SUBMITTED BY ARKANSAS REGISTERED CIVIL ENGINEERS.



ARCHITECT OF RECOR ANDREW F. HICKS

ED COMMERCIAL DEVELOPMENT

EW PROPOSED COMMERCIAL

FOR SUMMERWOOD PARTNERS

-0789

HWY F AND SERINGHILL APEA

andrewhicks architect

NO. DATE

NO.

NO.

ISSUE DATE: 2/27/2024

O. O. SITE VIEWS- AERI

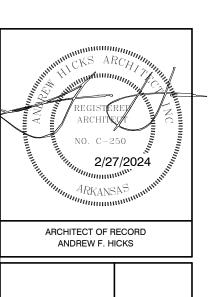
AC101





2 3D View-EXTERIOR FRONT-1





A NEW PROPOSED COMMERCIAL DEVELO

andrewhicks architect

ISSUE DATE:2/27/2024
REVISIONS
NO. DATE

NO.

NO.

NO.

NO.

AC102





6 3D View-EXTERIOR FRONT-2





2 3D VIEW-EXTERIOR REAR-2



ENGINEERING
DOCUMENTS FOR
DETAILED GRADING
AND DRAINAGE OF
THIS AREA OF THE
SITE WILL BE
SUBMITTED BY
ARKANSAS
REGISTERED CIVIL
ENGINEERS.

REGISTEREY
ARCHITECT
NO. C-250

MINIMUM ARKANSAS

ARCHITECT OF RECORD
ANDREW F. HICKS

POSED COMMERCIAL DEVELOPA

FOR SUMMERWOOD PARTNERS

andrewhicks architect

600 N Mission Blvd.

m. 501-680-0789
o. 479-332-5050

ISSUE DATE:2/27/2024

REVISIONS

NO. DATE

NO. DATE

NO.

IO.

NO.

AC103

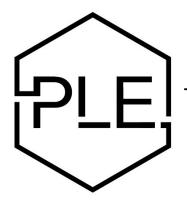
SPRINGHILL RETAIL DRAINAGE NARRATIVE

Date: 05-21-2024

Located in: Bryant, Arkansas

Prepared for:City of Bryant, Arkansas

Prepared by:



PHILLIP LEWIS ENGINEERING

Structural + Civil Consultants

23620 Interstate 30 | Bryant, AR PH: 501-350-9840

CERTIFICATION

I hereby state that this Final Drainage has been prepared by me or under my supervision and meets the standard of care and expertise which is usual and customary in this community of professional engineers. The analysis has been prepared utilizing procedures and practices by the City of Bryant and within the standard accepted practices.

Phillip A. Lewis, PE.



DATE:

DATE: 05-21-2024

PROJECT LOCATION MAP



Vicinity Map

SCALE 1" = 500"

DESCRIPTION OF PROPERTY

The proposed project is for the consruction of a retail center located on Springhill Road, south of the existing Merchants & Farmers Bank. The proposed development if for a 8,000 square foot building.

The intent of this drainage analysis is to evaluate the current drainage conditions coming through the site and adequately address the drainage increase created by this development.

The existing ground coverage for the entire development drainage basin consisted of poor condition grass, less than 50% covered.

According to FEMA Flood Insurance Rate Map, Panel 05125C0360E, this property lies within Zone X, areas determined to be outside the 0.2% annual chance floodplain. A copy of the map can be found in the appendix.

DRAINAGE OBSERVATIONS

On May 16th 2024, member of Phillip Lewis Engineering and The City of Bryant Stormwater Division met onsite to discuss current stormwater condition revolving around this site and the intended solutions going forward. The existing conditions are listed below:

- A 42" RCP culvert is located north of the proposed site, discharging stormwater from the Highway 5 storm sewer system. This discharge travels along the western edge of this project site.
- The existing Merchants & Farmers Bank has a 18" culvert discharging within this ditch flow line, located at the NW corner of this site.
- Roof and yard runoff from both wester adjacent property also discharge into this drainage ditch at various locations
- Downstream there is an existing "ponding area" throttle by (1) 24" culvert with an additional ARDOT 24" culvert to the east within the ARDOT right of way
- Existing ponding area located at the south corner of this site is approximately 8,000 to 9,000 cubic feet.
- Existing site conditions for this project is little to no grass cover, mainly clay ground cover with obvious signs of existing ground runoff.

PROPOSED DRAINAGE SOLUTIONS

After speaking with the Bryant Stormwater team, the below listed solutions have been designed. The main intent is to create more "ponding area" along the south of this project site to increase the "regional detention" volume that is located within this area.

- A 38" x 60" elliptical RCP culvert is proposed along the west property line to relay stormwater through the site without an open ditch.
- The capture and release of this culvert will be through standard flared end sections.
- The south pond area will be excavated and incresed to 11,000 cubic feet.
- The 2,000 to 3,000 cubit feet of volume increase will account for the 1,500 cubic feet of volume increase caused by the development of this facility. This increase if shown in the attached hydrographs
- The existing 24" CMP culvert will remain as the "outlet control structure", and the existing ARDOT 24" RCP culvert will aid as an overflow oulet.
- The existing curb cut at elevation 405.69' will serve as an overflow spillway if water is to rise that high or if outlet clogging occures.
- The 18" culvert from M&F Bank will be tied into the new elliptical culvert with a 7' junction box.
- The western property runoff will be captured and collected into the elliptical culvert through a 24" RCP culvert and tied in with a 7' junction box.

The Springhill Retail pre-development hydrographs are shown in the attached, along with an overall approximate look at post-developed conditions. General assumptions were made for off-site stormwater conditions.



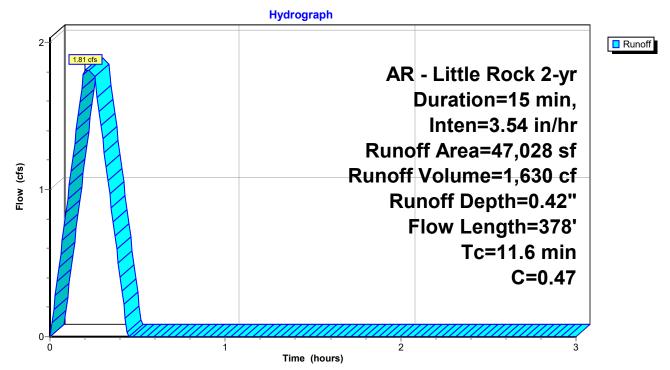
POST DEVELOPMENT HYDROGRAPHS

Summary for Subcatchment PRE: Springhill Retail Pre

Runoff = 1.81 cfs @ 0.20 hrs, Volume= 1,630 cf, Depth= 0.42"

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 2-yr Duration=15 min, Inten=3.54 in/hr

A	rea (sf)	С	Description	1	
	1,511	0.86	Existing Dr	rive	
	45,517	0.46	Poor Cond	ition Grass	< 50%
	47,028	0.47	Weighted A	Average	
47,028 100.00% Pervious Are			100.00% P	ervious Are	ea
Tc	Length	Slope	•	Capacity	Description
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
9.6	185	0.0510	0.32		Sheet Flow, Overland Flow
					Grass: Short n= 0.150 P2= 4.19"
2.0	193	0.0110	1.57		Shallow Concentrated Flow, Open Channel
					Grassed Waterway Kv= 15.0 fps
11.6	378	Total			

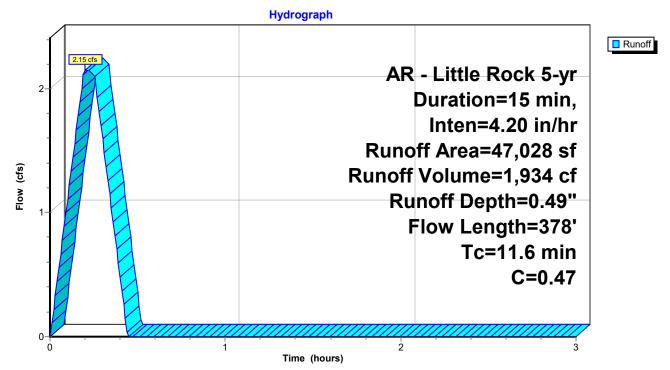


Summary for Subcatchment PRE: Springhill Retail Pre

Runoff = 2.15 cfs @ 0.20 hrs, Volume= 1,934 cf, Depth= 0.49"

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 5-yr Duration=15 min, Inten=4.20 in/hr

_	Α	rea (sf)	С	Description	1	
		1,511	0.86	Existing Dr	ive	
_		45,517	0.46	Poor Cond	ition Grass	< 50%
47,028 0.47 Weighted Average						
47,028 100.00% Pervious Are					ervious Are	ea
Tc Length Slope Velocity Capacity				Velocity	Capacity	Description
_	(min)	(feet)	(ft/ft)	•	(cfs)	Description
	9.6	185	0.0510	0.32		Sheet Flow, Overland Flow
				Grass: Short n= 0.150 P2= 4.19"		
	2.0	193	0.0110	1.57		Shallow Concentrated Flow, Open Channel
						Grassed Waterway Kv= 15.0 fps
	11 6	378	Total			

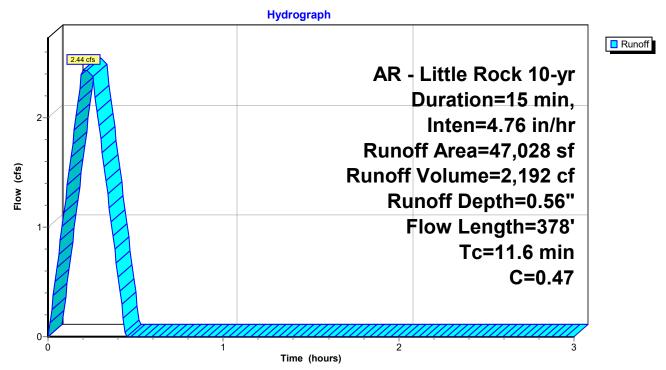


Summary for Subcatchment PRE: Springhill Retail Pre

Runoff = 2.44 cfs @ 0.20 hrs, Volume= 2,192 cf, Depth= 0.56"

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 10-yr Duration=15 min, Inten=4.76 in/hr

_	Α	rea (sf)	С	Description	1	
		1,511	0.86	Existing Dr	ive	
_		45,517	0.46	Poor Cond	ition Grass	< 50%
47,028 0.47 Weighted Average						
47,028 100.00% Pervious Are					ervious Are	ea
Tc Length Slope Velocity Capacity				Velocity	Capacity	Description
_	(min)	(feet)	(ft/ft)	•	(cfs)	Description
	9.6	185	0.0510	0.32		Sheet Flow, Overland Flow
				Grass: Short n= 0.150 P2= 4.19"		
	2.0	193	0.0110	1.57		Shallow Concentrated Flow, Open Channel
						Grassed Waterway Kv= 15.0 fps
	11 6	378	Total			

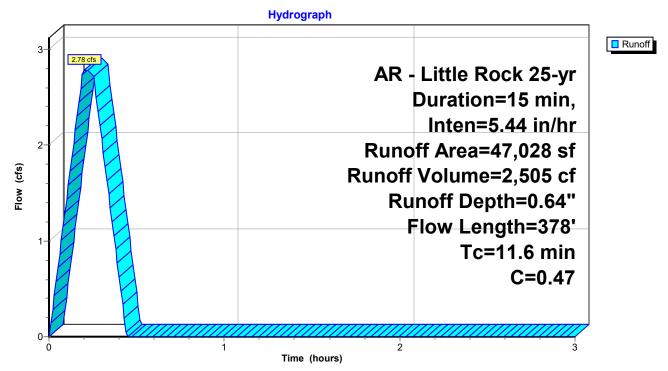


Summary for Subcatchment PRE: Springhill Retail Pre

Runoff = 2.78 cfs @ 0.20 hrs, Volume= 2,505 cf, Depth= 0.64"

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 25-yr Duration=15 min, Inten=5.44 in/hr

_	A	rea (sf)	С	Description	1	
		1,511	0.86	Existing Dr	ive	
_		45,517	0.46	Poor Cond	ition Grass	< 50%
		47,028	0.47	Weighted A	Average	
47,028 100.00% Pervious Are					ervious Are	ea
						B
	Tc	Length	Slope	•	Capacity	Description
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	9.6	185	0.0510	0.32		Sheet Flow, Overland Flow
				Grass: Short n= 0.150 P2= 4.19"		
	2.0	193	0.0110	1.57		Shallow Concentrated Flow, Open Channel
						Grassed Waterway Kv= 15.0 fps
	11 6	378	Total			

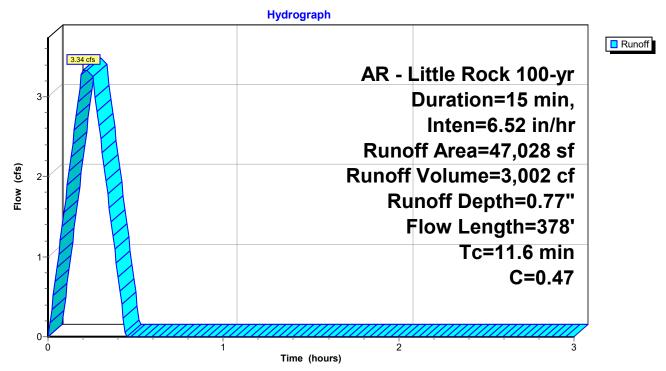


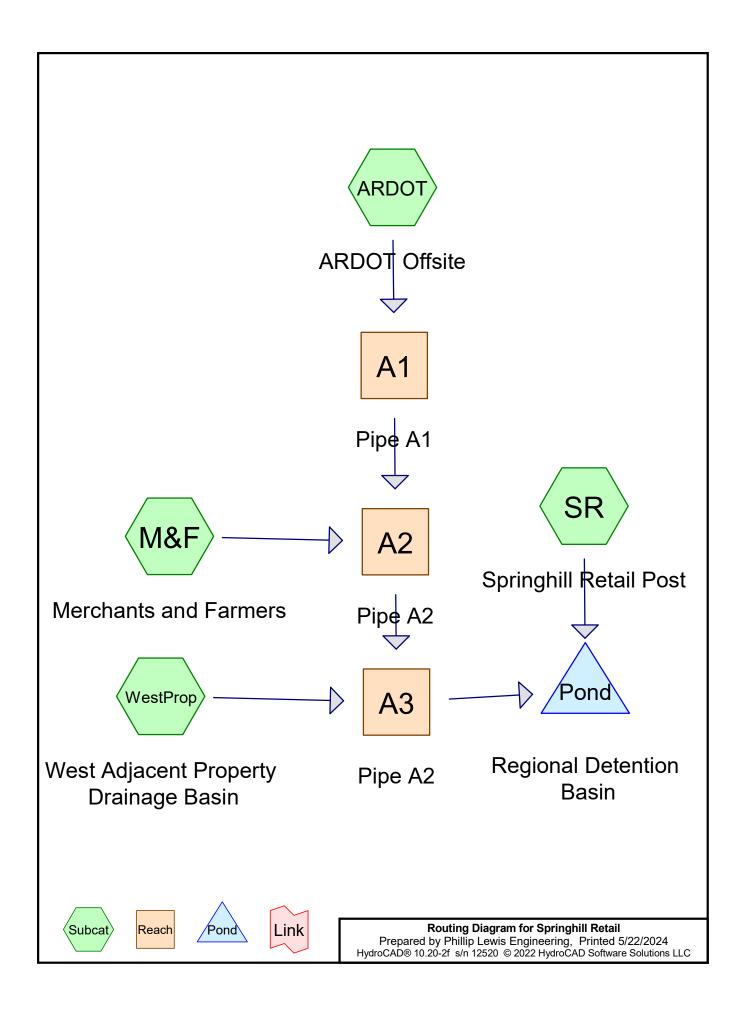
Summary for Subcatchment PRE: Springhill Retail Pre

Runoff = 3.34 cfs @ 0.20 hrs, Volume= 3,002 cf, Depth= 0.77"

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 100-yr Duration=15 min, Inten=6.52 in/hr

	Α	rea (sf)	С	Description	1	
		1,511	0.86	Existing Dr	ive	
		45,517	0.46	Poor Cond	ition Grass	< 50%
47,028 0.47 Weighted Average						
47,028 100.00% Pervious Are					ervious Are	ea
					_	
	Tc	Length	Slope	•	Capacity	Description
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	9.6	185	0.0510	0.32		Sheet Flow, Overland Flow
						Grass: Short n= 0.150 P2= 4.19"
	2.0	193	0.0110	1.57		Shallow Concentrated Flow, Open Channel
						Grassed Waterway Kv= 15.0 fps
	11.6	378	Total			





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Summary for Subcatchment ARDOT: ARDOT Offsite

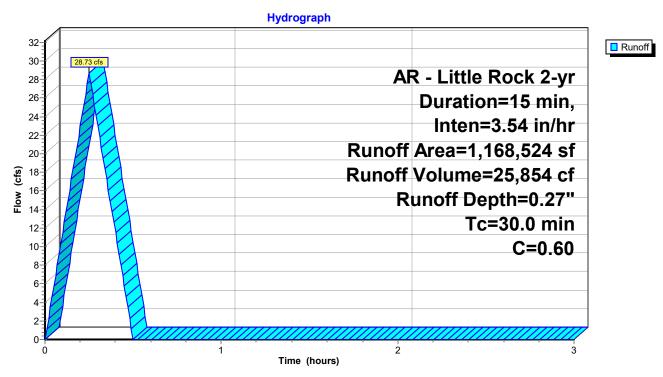
Runoff = 28.73 cfs @ 0.25 hrs, Volume= 25,854 cf, Depth= 0.27"

Routed to Reach A1: Pipe A1

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 2-yr Duration=15 min, Inten=3.54 in/hr

A	rea (sf)	С	Description	1	
1,1	68,524	0.60			
1,1	68,524		100.00% P	ervious Are	ea
Тс	-	Slope	,	Capacity	·
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
30.0					Direct Entry,

Subcatchment ARDOT: ARDOT Offsite



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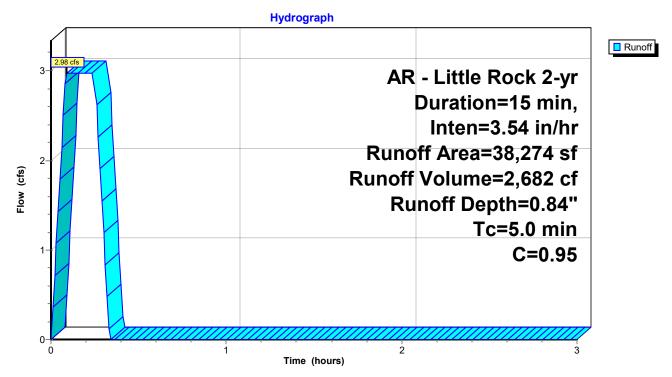
Summary for Subcatchment M&F: Merchants and Farmers

Runoff = 2.98 cfs @ 0.09 hrs, Volume= 2,682 cf, Depth= 0.84" Routed to Reach A2 : Pipe A2

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 2-yr Duration=15 min, Inten=3.54 in/hr

A	rea (sf)	С	Description	1				
	38,274	0.95	Developed Site					
	38,274		100.00% Ir	npervious A	Area			
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description			
5.0					Direct Entry,			

Subcatchment M&F: Merchants and Farmers



Summary for Subcatchment SR: Springhill Retail Post

Runoff 0.09 hrs, Volume= 2.93 cfs @

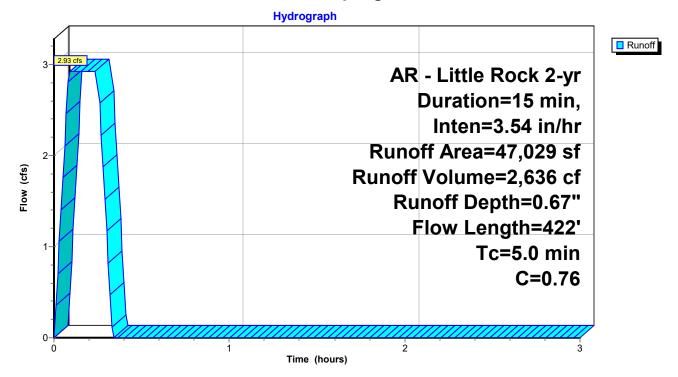
2,636 cf, Depth= 0.67"

Routed to Pond Pond : Regional Detention Basin

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 2-yr Duration=15 min, Inten=3.54 in/hr

	Area (sf)	С	Description	1	
	1,511	0.86	Existing Dr	ive	
	33,632			of, Sidewall	ks
	11,886	0.30	Landscape	d Areas	
	47,029	0.76	Weighted A	Average	
	47,029		100.00% P	ervious Are	ea
_		01			D
T(5	Slope	•	Capacity	Description
(min		(ft/ft)	(ft/sec)	(cfs)	
0.0	8 82	0.0290	1.76		Sheet Flow, Asphalt Sheet Flow
					Smooth surfaces n= 0.011 P2= 4.19"
0.8	8 87	0.0080	1.82		Shallow Concentrated Flow, Gutter
					Paved Kv= 20.3 fps
0.	1 19	0.0210	2.94		Shallow Concentrated Flow, Concentrated Pavement Flow
					Paved Kv= 20.3 fps
1.0	197	0.0250	3.21		Shallow Concentrated Flow, Gutter
					Paved Kv= 20.3 fps
0.3	3 37	0.0130	2.31		Shallow Concentrated Flow, Gutter
					Paved Kv= 20.3 fps
2.0	0				Direct Entry, Minimum adjustment
5.0	0 422	Total			

Subcatchment SR: Springhill Retail Post



Summary for Subcatchment WestProp: West Adjacent Property Drainage Basin

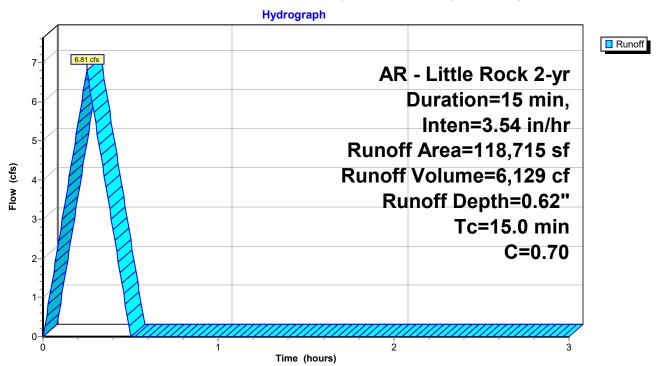
Runoff = 6.81 cfs @ 0.25 hrs, Volume= 6,129 cf, Depth= 0.62"

Routed to Reach A3: Pipe A2

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 2-yr Duration=15 min, Inten=3.54 in/hr

	Α	rea (sf)	С	Description	ו				
		65,063	0.50	Pervious A	reas				
_		53,652	0.95	Rooftop/Pa	aving				
	1	18,715	0.70	Weighted /	Average				
		65,063		54.81% Pe	54.81% Pervious Area				
		53,652		45.19% Im	pervious A	Area			
	_								
	Tc	Length	Slope	,	Capacity	·			
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)				
	15.0					Direct Entry			

Subcatchment WestProp: West Adjacent Property Drainage Basin



Inflow
Outflow

Springhill Retail

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Summary for Reach A1: Pipe A1

Inflow Area = 1,168,524 sf, 0.00% Impervious, Inflow Depth = 0.27" for 2-yr event

Inflow = 28.73 cfs @ 0.25 hrs, Volume= 25,854 cf

Outflow = 28.67 cfs @ 0.25 hrs, Volume= 25,855 cf, Atten= 0%, Lag= 0.0 min

Routed to Reach A2: Pipe A2

Routing by Stor-Ind+Trans method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Max. Velocity= 12.23 fps, Min. Travel Time= 0.0 min

Avg. Velocity = 9.46 fps, Avg. Travel Time= 0.0 min

Peak Storage= 28 cf @ 0.25 hrs

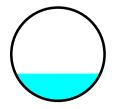
Average Depth at Peak Storage= 1.02', Surface Width= 3.18' Bank-Full Depth= 3.50' Flow Area= 9.6 sf, Capacity= 153.68 cfs

42.0" Round Pipe

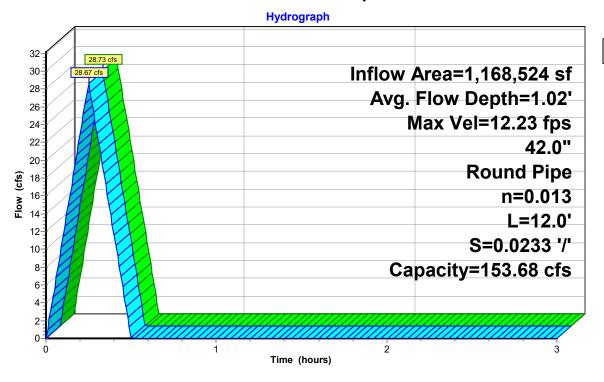
n= 0.013 Concrete pipe, bends & connections

Length= 12.0' Slope= 0.0233 '/'

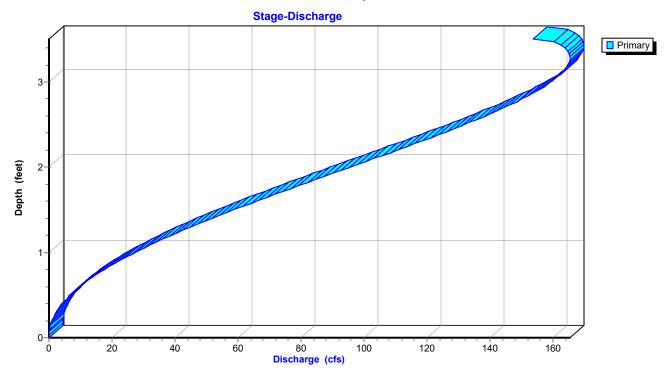
Inlet Invert= 413.00', Outlet Invert= 412.72'



Reach A1: Pipe A1



Reach A1: Pipe A1



Stage-Area-Storage for Reach A1: Pipe A1

	End-Area	Storage		End-Area	Storage
(feet)	(sq-ft)	(cubic-feet)	(feet)	(sq-ft)	(cubic-feet)
413.00	0.0	0	415.60	7.7	92
413.05	0.0	0	415.65	7.8	94
413.10	0.1 0.1	1 2	415.70	8.0 8.1	96 97
413.15 413.20	0.1	3	415.75 415.80	8.3	99
413.25	0.2	4	415.85	8.4	101
413.30	0.4	5	415.90	8.5	102
413.35	0.5	6	415.95	8.7	104
413.40	0.6	7	416.00	8.8	105
413.45	0.7	9	416.05	8.9	107
413.50	0.8	10	416.10	9.0	108
413.55	1.0	12	416.15	9.1	109
413.60	1.1	13	416.20	9.2	111
413.65	1.2	15	416.25	9.3	112
413.70	1.4	16	416.30	9.4	113
413.75	1.5	18	416.35	9.5	114
413.80	1.7	20	416.40	9.5	115
413.85 413.90	1.8	22	416.45	9.6	115
413.90	2.0 2.1	23 25	416.50	9.6	115
414.00	2.1	23 27			
414.05	2.4	29			
414.10	2.6	31			
414.15	2.8	33			
414.20	2.9	35			
414.25	3.1	37			
414.30	3.3	39			
414.35	3.4	41			
414.40	3.6	43			
414.45	3.8	45			
414.50	3.9	47			
414.55 414.60	4.1 4.3	49 51			
414.65	4.3 4.5	51 54			
414.70	4.6	56			
414.75	4.8	58			
414.80	5.0	60			
414.85	5.2	62			
414.90	5.3	64			
414.95	5.5	66			
415.00	5.7	68			
415.05	5.9	70			
415.10	6.0	72			
415.15	6.2	74 76			
415.20 415.25	6.4 6.5	76 78			
415.25	6.7	80			
415.35	6.9	82			
415.40	7.0	84			
415.45	7.2	86			
415.50	7.4	88			
415.55	7.5	90			
			I		

Springhill Retail

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Summary for Reach A2: Pipe A2

Inflow Area = 1,206,798 sf, 3.17% Impervious, Inflow Depth = 0.28" for 2-yr event

Inflow = 31.65 cfs @ 0.25 hrs, Volume= 28,536 cf

Outflow = 31.13 cfs @ 0.26 hrs, Volume= 28,536 cf, Atten= 2%, Lag= 0.5 min

Routed to Reach A3: Pipe A2

Routing by Stor-Ind+Trans method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Max. Velocity= 14.00 fps, Min. Travel Time= 0.3 min

Avg. Velocity = 7.95 fps, Avg. Travel Time= 0.5 min

Peak Storage= 501 cf @ 0.25 hrs

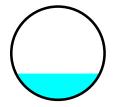
Average Depth at Peak Storage= 0.99', Surface Width= 3.15' Bank-Full Depth= 3.50' Flow Area= 9.6 sf, Capacity= 179.25 cfs

42.0" Round Pipe

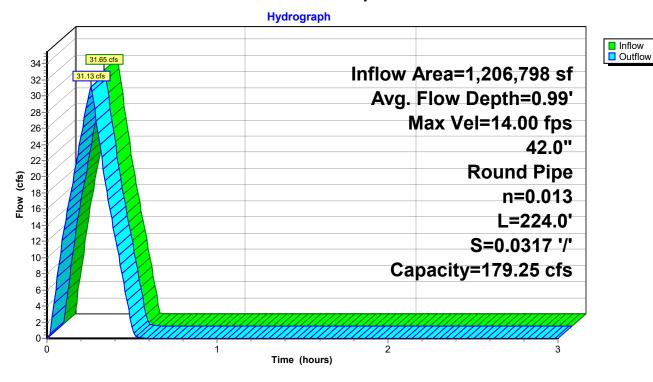
n= 0.013 Concrete pipe, bends & connections

Length= 224.0' Slope= 0.0317 '/'

Inlet Invert= 412.52', Outlet Invert= 405.41'



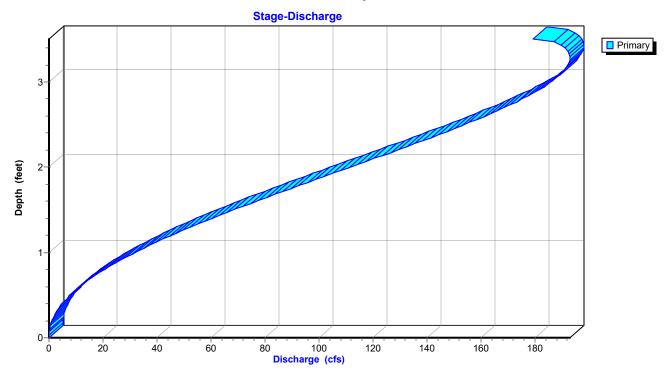
Reach A2: Pipe A2



Springhill Retail

AR - Little Rock 2-yr De
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Reach A2: Pipe A2



Storage

1,751

1,784

1,816

1,848 1,879 1,909 1,938

1,966

1,993 2,019

2,043

2,066

2,087 2,106 2,123 2,138 2,149

2,155

(cubic-feet) 1,717

Stage-Area-Storage for Reach A2: Pipe A2

		•	_	•
Elevation (feet)	End-Area (sq-ft)	Storage (cubic-feet)	Elevation (feet)	End-Area (sq-ft)
412.52	0.0	0	415.12	7.7
412.57	0.0	6	415.17	7.8
412.62	0.1	18	415.22	8.0
412.67	0.1	32	415.27	8.1
412.72	0.2	49	415.32	8.3
412.77	0.3	68	415.37	8.4
412.82	0.4	90	415.42	8.5
412.87	0.5	112	415.47	8.7
412.92	0.6	136	415.52	8.8
412.97	0.7	162	415.57	8.9
413.02	0.8	189	415.62	9.0
413.07	1.0	217	415.67	9.1
413.12	1.1	246	415.72	9.2
413.17	1.2	276	415.77	9.3
413.22	1.4	307	415.82	9.4
413.27	1.5	339	415.87	9.5
413.32	1.7	371	415.92	9.5
413.37	1.8	404	415.97	9.6
413.42	2.0	438	416.02	9.6
413.47	2.1	473		
413.52	2.3	508 544		
413.57	2.4 2.6	544 580		
413.62 413.67	2.8	617		
413.72	2.9	654		
413.77	3.1	691		
413.82	3.3	729		
413.87	3.4	767		
413.92	3.6	805		
413.97	3.8	844		
414.02	3.9	882		
414.07	4.1	921		
414.12	4.3	960		
414.17	4.5	999		
414.22	4.6	1,038		
414.27	4.8	1,078		
414.32	5.0	1,117		
414.37	5.2	1,156		
414.42 414.47	5.3 5.5	1,195 1,234		
414.47	5.7	1,273		
414.57	5.7 5.9	1,312		
414.62	6.0	1,350		
414.67	6.2	1,388		
414.72	6.4	1,426		
414.77	6.5	1,464		
414.82	6.7	1,502		
414.87	6.9	1,539		
414.92	7.0	1,575		
414.97	7.2	1,611		
415.02	7.4	1,647		
415.07	7.5	1,682		

Summary for Reach A3: Pipe A2

Inflow Area = 1,325,513 sf, 6.94% Impervious, Inflow Depth = 0.31" for 2-yr event

Inflow = 37.77 cfs @ 0.26 hrs, Volume= 34,665 cf

Outflow = 37.71 cfs @ 0.26 hrs, Volume= 34,665 cf, Atten= 0%, Lag= 0.1 min

Routed to Pond Pond: Regional Detention Basin

Routing by Stor-Ind+Trans method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Max. Velocity= 14.91 fps, Min. Travel Time= 0.1 min

Avg. Velocity = 8.41 fps, Avg. Travel Time= 0.1 min

Peak Storage= 160 cf @ 0.26 hrs

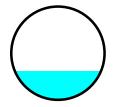
Average Depth at Peak Storage= 1.08', Surface Width= 3.24' Bank-Full Depth= 3.50' Flow Area= 9.6 sf, Capacity= 181.93 cfs

42.0" Round Pipe

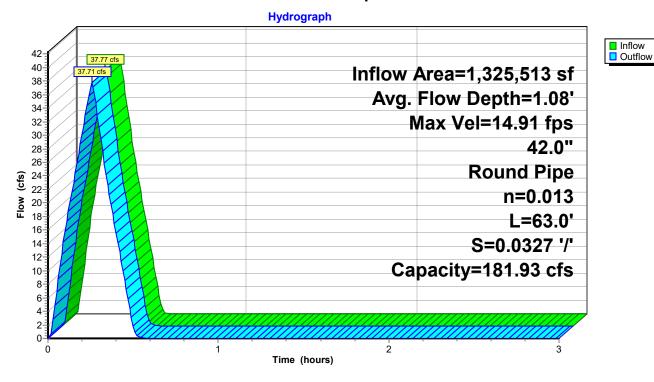
n= 0.013 Concrete pipe, bends & connections

Length= 63.0' Slope= 0.0327 '/'

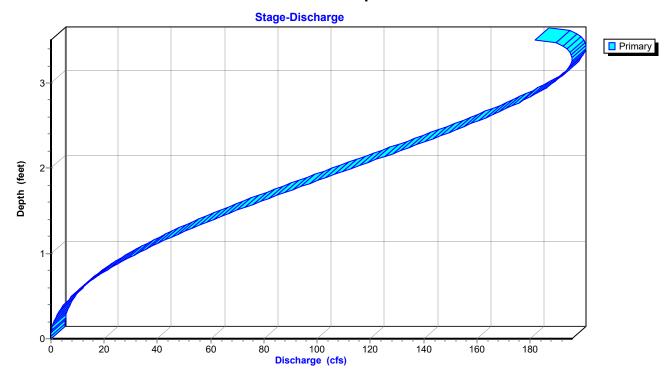
Inlet Invert= 405.31', Outlet Invert= 403.25'



Reach A3: Pipe A2



Reach A3: Pipe A2



Storage

483

492

502

511

520

529

537

545 553

561

568

575

581

587

592

597

601

604

606

(cubic-feet)

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Stage-Area-Storage for Reach A3: Pipe A2

Elevation (feet)	End-Area (sq-ft)	Storage (cubic-feet)	Elevation (feet)	End-Area (sq-ft)
405.31	0.0	0	407.91	7.7
405.36	0.0	2	407.96	7.8
405.41	0.1	5	408.01	8.0
405.46	0.1	9	408.06	8.1
405.51	0.2	14	408.11	8.3
405.56	0.3	19	408.16	8.4
405.61	0.4	25	408.21	8.5
405.66	0.5	32	408.26	8.7
405.71	0.6	38	408.31	8.8
405.76	0.7	46	408.36	8.9
405.81	0.8	53	408.41	9.0
405.86	1.0 1.1	61 69	408.46	9.1 9.2
405.91 405.96	1.1	78	408.51 408.56	9.2
405.96	1.4	76 86	408.61	9.3 9.4
406.01	1.4	95	408.66	9.4
406.00	1.7	104	408.00	9.5
406.11	1.7	114	408.76	9.6
406.21	2.0	123	408.81	9.6
406.26	2.1	133	400.01	0.0
406.31	2.3	143		
406.36	2.4	153		
406.41	2.6	163		
406.46	2.8	173		
406.51	2.9	184		
406.56	3.1	194		
406.61	3.3	205		
406.66	3.4	216		
406.71	3.6	226		
406.76	3.8	237		
406.81	3.9	248		
406.86	4.1	259		
406.91	4.3	270		
406.96	4.5	281		
407.01 407.06	4.6 4.8	292 303		
407.00	5.0	314		
407.16	5.2	325		
407.21	5.3	336		
407.26	5.5	347		
407.31	5.7	358		
407.36	5.9	369		
407.41	6.0	380		
407.46	6.2	390		
407.51	6.4	401		
407.56	6.5	412		
407.61	6.7	422		
407.66	6.9	433		
407.71	7.0	443		
407.76	7.2	453		
407.81	7.4	463		
407.86	7.5	473		

Summary for Pond Pond: Regional Detention Basin

Inflow Area = 1,372,542 sf, 6.70% Impervious, Inflow Depth = 0.33" for 2-yr event

0.26 hrs, Volume= Inflow 40.42 cfs @ 37.301 cf

0.29 hrs, Volume= Outflow 37,302 cf, Atten= 14%, Lag= 2.1 min 34.70 cfs @

37,302 cf Primary 34.70 cfs @ 0.29 hrs, Volume=

Routing by Stor-Ind method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Peak Elev= 404.26' @ 0.29 hrs Storage= 3,846 cf

Plug-Flow detention time= 1.2 min calculated for 37,178 cf (100% of inflow)

Center-of-Mass det. time= 1.2 min (16.1 - 14.9)

Volume	Invert	Avail.Storage	Storage Description
#1	401.00'	12,812 cf	Custom Stage Data Listed below
Elevation	Cum.St	ore	

Elevation	Cum.Store
(feet)	(cubic-feet)
401.00	0
402.00	103
403.00	803
404.00	2,704
405.00	7,038
406.00	12,812

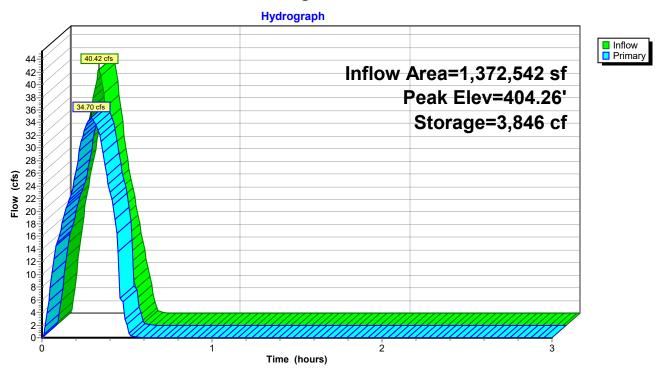
Device	Routing	Invert	Outlet Devices
#1	Primary	400.10'	24.0" Round RCP_Round 24"
			L= 100.0' RCP, end-section conforming to fill, Ke= 0.500
			Inlet / Outlet Invert= 400.10' / 397.97' S= 0.0213 '/' Cc= 0.900
			n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf
#2	Primary	403.02'	24.0" Round RCP_Round 24"
	-		L= 35.0' RCP, end-section conforming to fill, Ke= 0.500
			Inlet / Outlet Invert= 403.02' / 401.73' S= 0.0369 '/' Cc= 0.900
			n= 0.013 Concrete pipe, bends & connections, Flow Area= 3.14 sf
#3	Primary	405.69'	2.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)

Primary OutFlow Max=34.69 cfs @ 0.29 hrs HW=404.26' (Free Discharge)

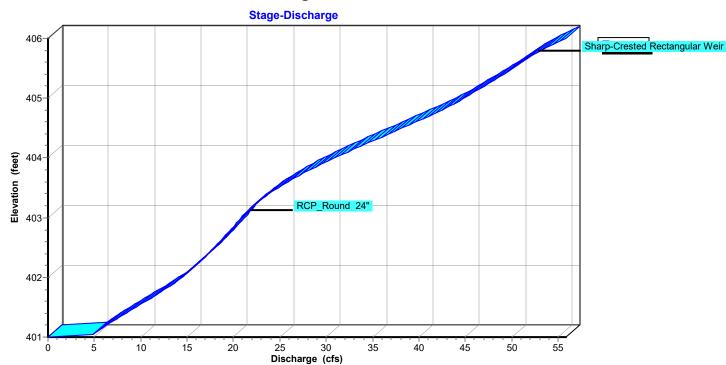
—1=RCP_Round 24" (Inlet Controls 26.90 cfs @ 8.56 fps)
—2=RCP_Round 24" (Inlet Controls 7.79 cfs @ 3.80 fps)

-3=Sharp-Crested Rectangular Weir (Controls 0.00 cfs)

Pond Pond: Regional Detention Basin



Pond Pond: Regional Detention Basin



Stage-Area-Storage for Pond Pond: Regional Detention Basin

E	01	l =	01
Elevation	Storage	Elevation	Storage
(feet)	(cubic-feet)	(feet)	(cubic-feet)
401.00	0 5	403.60	1,944
401.05 401.10	10	403.65 403.70	2,039
	15		2,134
401.15	21	403.75	2,229
401.20	21 26	403.80	2,324
401.25 401.30	31	403.85 403.90	2,419 2,514
401.35	36	403.95	2,609
401.40	41	404.00	2,704
401.45	46	404.05	2,921
401.50	52	404.10	3,137
401.55	57	404.15	3,354
401.60	62	404.20	3,571
401.65	67	404.25	3,788
401.70	72	404.30	4,004
401.75	77	404.35	4,221
401.80	82	404.40	4,438
401.85	88	404.45	4,654
401.90	93	404.50	4,871
401.95	98	404.55	5,088
402.00	103	404.60	5,304
402.05	138	404.65	5,521
402.10	173	404.70	5,738
402.15	208	404.75	5,955
402.20	243	404.80	6,171
402.25 402.30	278 313	404.85 404.90	6,388 6,605
402.35	348	404.95	6,821
402.40	383	405.00	7,038
402.45	418	405.05	7,327
402.50	453	405.10	7,615
402.55	488	405.15	7,904
402.60	523	405.20	8,193
402.65	558	405.25	8,482
402.70	593	405.30	8,770
402.75	628	405.35	9,059
402.80	663	405.40	9,348
402.85	698	405.45	9,636
402.90	733	405.50	9,925
402.95	768	405.55	10,214
403.00	803	405.60	10,502
403.05	898	405.65	10,791
403.10	993	405.70	11,080
403.15	1,088	405.75	11,369
403.20	1,183	405.80	11,657
403.25 403.30	1,278 1,373	405.85 405.90	11,946 12,235
403.35	1,468	405.95	12,523
403.40	1,563	406.00	12,812
403.45	1,658	+50.00	12,012
403.50	1,754		
403.55	1,849		

Summary for Subcatchment ARDOT: ARDOT Offsite

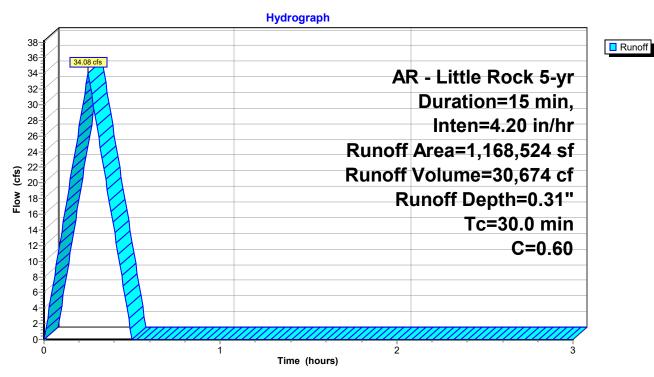
Runoff = 34.08 cfs @ 0.25 hrs, Volume= 30,674 cf, Depth= 0.31"

Routed to Reach A1: Pipe A1

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 5-yr Duration=15 min, Inten=4.20 in/hr

Aı	rea (sf)	C	Description	1	
1,1	68,524	0.60			
1,1	68,524		100.00% P	ervious Are	ea
Tc		Slope	Velocity	Capacity	·
<u>(min)</u>	(feet)	(ft/ft)	(ft/sec)	(cfs)	
30.0					Direct Entry,

Subcatchment ARDOT: ARDOT Offsite



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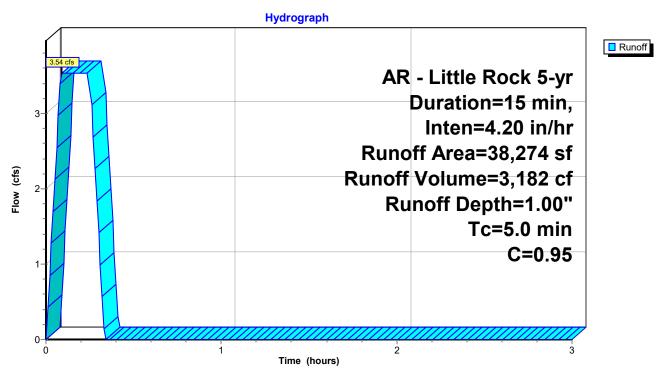
Summary for Subcatchment M&F: Merchants and Farmers

Runoff = 3.54 cfs @ 0.09 hrs, Volume= 3,182 cf, Depth= 1.00" Routed to Reach A2 : Pipe A2

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 5-yr Duration=15 min, Inten=4.20 in/hr

_	Α	rea (sf)	С	Description	Description					
		38,274	0.95	Developed	Developed Site					
		38,274		100.00% Impervious Area						
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description				
-	5.0		•	,	, ,	Direct Entry				

Subcatchment M&F: Merchants and Farmers



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Summary for Subcatchment SR: Springhill Retail Post

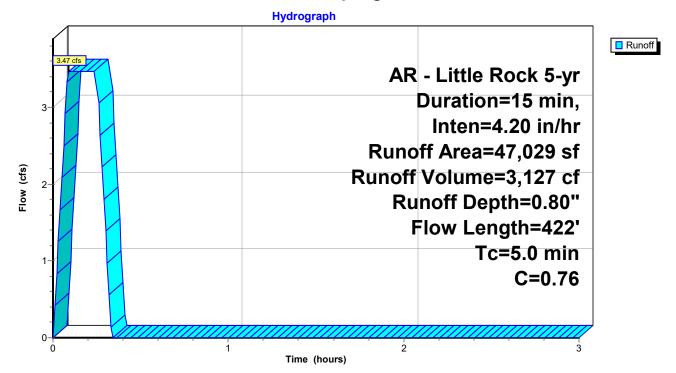
Runoff = 3.47 cfs @ 0.09 hrs, Volume= 3,127 cf, Depth= 0.80"

Routed to Pond Pond : Regional Detention Basin

Runoff by Rational method, Rise/Fall= $1.0/1.0 \, xTc$, Time Span= $0.00-3.00 \, hrs$, dt= $0.01 \, hrs$ AR - Little Rock 5-yr Duration= $15 \, min$, Inten= $4.20 \, in/hr$

	А	rea (sf)	С	Description	1	
-		1,511		Existing Dr		
		33,632		•	of, Sidewall	ks
		11,886		Landscape	•	
_		47,029	0.76	Weighted A	Average	
		47,029		•	ervious Are	ea
	Tc	Length	Slope		Capacity	Description
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	0.8	82	0.0290	1.76		Sheet Flow, Asphalt Sheet Flow
						Smooth surfaces n= 0.011 P2= 4.19"
	8.0	87	0.0080	1.82		Shallow Concentrated Flow, Gutter
						Paved Kv= 20.3 fps
	0.1	19	0.0210	2.94		Shallow Concentrated Flow, Concentrated Pavement Flow
	4.0	407	0.0050	0.04		Paved Kv= 20.3 fps
	1.0	197	0.0250	3.21		Shallow Concentrated Flow, Gutter
	0.0	0.7	0.0400	0.04		Paved Kv= 20.3 fps
	0.3	37	0.0130	2.31		Shallow Concentrated Flow, Gutter
	2.0					Paved Kv= 20.3 fps
-		400	T ()			Direct Entry, Minimum adjustment
	5.0	422	Total			

Subcatchment SR: Springhill Retail Post



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Summary for Subcatchment WestProp: West Adjacent Property Drainage Basin

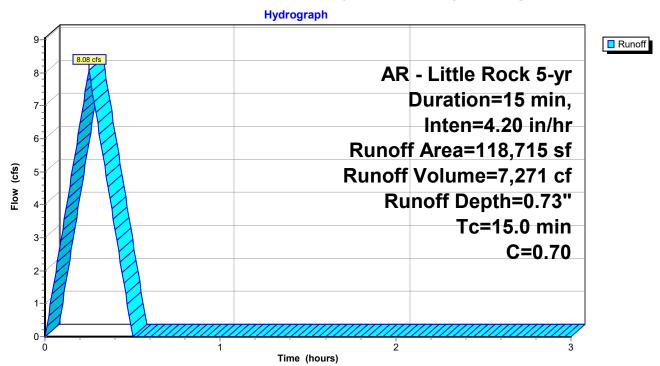
Runoff = 8.08 cfs @ 0.25 hrs, Volume= 7,271 cf, Depth= 0.73"

Routed to Reach A3: Pipe A2

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 5-yr Duration=15 min, Inten=4.20 in/hr

_	Α	rea (sf)	С	Description	Description					
_		65,063	0.50	Pervious A	Pervious Areas					
_		53,652	0.95	Rooftop/Pa	Rooftop/Paving					
_	1	18,715	0.70	Weighted /	Weighted Average					
		65,063		54.81% Pe	rvious Area	ea				
		53,652		45.19% Im	pervious A	Area				
	Tc	Length	Slope	Velocity	Capacity	Description				
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)					
	15.0					Direct Entry.				

Subcatchment WestProp: West Adjacent Property Drainage Basin



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Summary for Reach A1: Pipe A1

Inflow Area = 1,168,524 sf, 0.00% Impervious, Inflow Depth = 0.31" for 5-yr event

Inflow = 34.08 cfs @ 0.25 hrs, Volume= 30,674 cf

Outflow = 34.01 cfs @ 0.25 hrs, Volume= 30,675 cf, Atten= 0%, Lag= 0.0 min

Routed to Reach A2: Pipe A2

Routing by Stor-Ind+Trans method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Max. Velocity= 12.84 fps, Min. Travel Time= 0.0 min

Avg. Velocity = 9.94 fps, Avg. Travel Time= 0.0 min

Peak Storage= 32 cf @ 0.25 hrs

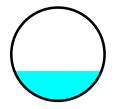
Average Depth at Peak Storage= 1.12', Surface Width= 3.26' Bank-Full Depth= 3.50' Flow Area= 9.6 sf, Capacity= 153.68 cfs

42.0" Round Pipe

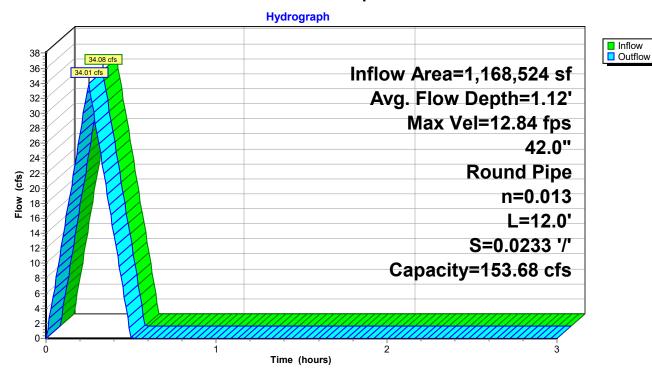
n= 0.013 Concrete pipe, bends & connections

Length= 12.0' Slope= 0.0233 '/'

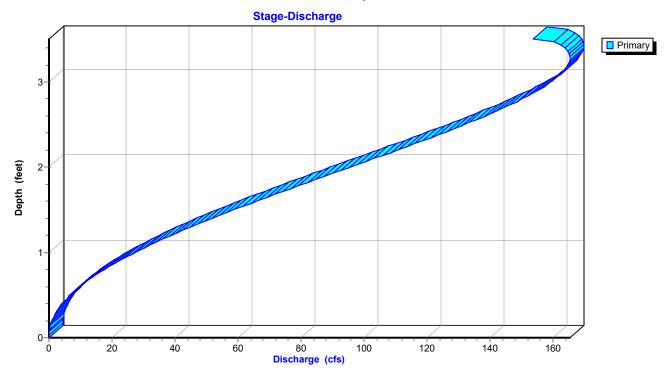
Inlet Invert= 413.00', Outlet Invert= 412.72'



Reach A1: Pipe A1



Reach A1: Pipe A1



Storage (cubic-feet)

Stage-Area-Storage for Reach A1: Pipe A1

Elevation	End-Area	Storage	l Elevation	End-Area
(feet)	(sq-ft)	(cubic-feet)	(feet)	(sq-ft)
413.00	0.0	0	415.60	7.7
413.05 413.10	0.0 0.1	0 1	415.65 415.70	7.8 8.0
413.15	0.1	2	415.75	8.1
413.20	0.2	3	415.80	8.3
413.25 413.30	0.3 0.4	4 5	415.85 415.90	8.4 8.5
413.35	0.4	6	415.95	8.7
413.40	0.6	7	416.00	8.8
413.45 413.50	0.7 0.8	9 10	416.05 416.10	8.9 9.0
413.55	1.0	12	416.10	9.0
413.60	1.1	13	416.20	9.2
413.65	1.2	15	416.25	9.3
413.70 413.75	1.4 1.5	16 18	416.30 416.35	9.4 9.5
413.80	1.7	20	416.40	9.5
413.85	1.8	22	416.45	9.6
413.90 413.95	2.0 2.1	23 25	416.50	9.6
414.00	2.1	23 27		
414.05	2.4	29		
414.10 414.15	2.6 2.8	31 33		
414.13	2.6 2.9	35 35		
414.25	3.1	37		
414.30	3.3	39		
414.35 414.40	3.4 3.6	41 43		
414.45	3.8	45		
414.50	3.9	47		
414.55 414.60	4.1 4.3	49 51		
414.65	4.5	54		
414.70	4.6	56		
414.75 414.80	4.8 5.0	58 60		
414.85	5.2	62		
414.90	5.3	64		
414.95 415.00	5.5 5.7	66 68		
415.05	5.9	70		
415.10	6.0	72		
415.15 415.20	6.2 6.4	74 76		
415.25	6.5	78		
415.30	6.7	80		
415.35 415.40	6.9 7.0	82 84		
415.45	7.2	86		
415.50	7.4	88		
415.55	7.5	90		

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Summary for Reach A2: Pipe A2

Inflow Area = 1,206,798 sf, 3.17% Impervious, Inflow Depth = 0.34" for 5-yr event

Inflow = 37.55 cfs @ 0.25 hrs, Volume= 33,857 cf

Outflow = 36.95 cfs @ 0.26 hrs, Volume= 33,857 cf, Atten= 2%, Lag= 0.4 min

Routed to Reach A3: Pipe A2

Routing by Stor-Ind+Trans method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Max. Velocity= 14.69 fps, Min. Travel Time= 0.3 min

Avg. Velocity = 8.33 fps, Avg. Travel Time= 0.4 min

Peak Storage= 567 cf @ 0.25 hrs

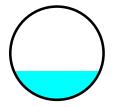
Average Depth at Peak Storage= 1.08', Surface Width= 3.23' Bank-Full Depth= 3.50' Flow Area= 9.6 sf, Capacity= 179.25 cfs

42.0" Round Pipe

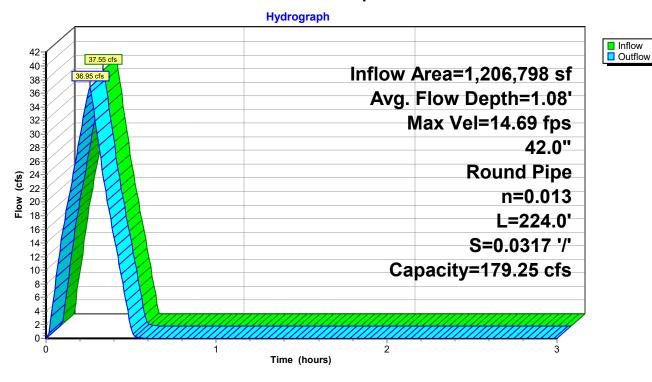
n= 0.013 Concrete pipe, bends & connections

Length= 224.0' Slope= 0.0317 '/'

Inlet Invert= 412.52', Outlet Invert= 405.41'

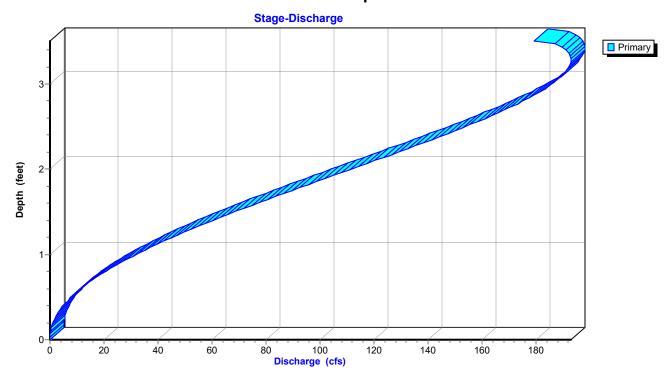


Reach A2: Pipe A2



Printed 5/22/2024

Reach A2: Pipe A2



Stage-Area-Storage for Reach A2: Pipe A2

		•	_	•	•
	End-Area	Storage		End-Area	Storage
(feet)	(sq-ft)	(cubic-feet)	(feet)	(sq-ft)	(cubic-feet)
412.52	0.0	0	415.12	7.7	1,717
412.57	0.0	6	415.17	7.8	1,751
412.62	0.1	18	415.22	8.0	1,784
412.67	0.1	32	415.27	8.1	1,816
412.72	0.2	49	415.32	8.3	1,848
412.77	0.3	68	415.37	8.4	1,879
412.82	0.4	90	415.42	8.5	1,909
412.87	0.5	112	415.47	8.7	1,938
412.92	0.6	136	415.52	8.8	1,966
412.97	0.7	162	415.57	8.9	1,993
413.02	0.8	189	415.62	9.0	2,019
413.07	1.0	217	415.67	9.1	2,043
413.12	1.1	246	415.72	9.2	2,066
413.17	1.2	276	415.77	9.3	2,087
413.17	1.4	307	415.82	9.4	
413.22			415.87		2,106
	1.5	339		9.5	2,123
413.32	1.7	371	415.92	9.5	2,138
413.37	1.8	404	415.97	9.6	2,149
413.42	2.0	438	416.02	9.6	2,155
413.47	2.1	473			
413.52	2.3	508			
413.57	2.4	544			
413.62	2.6	580			
413.67	2.8	617			
413.72	2.9	654			
413.77	3.1	691			
413.82	3.3	729			
413.87	3.4	767			
413.92	3.6	805			
413.97	3.8	844			
414.02	3.9	882			
414.07	4.1	921			
414.12	4.3	960			
414.17	4.5	999			
414.22	4.6	1,038			
414.27	4.8	1,078			
414.32	5.0	1,117			
414.37	5.2 5.3	1,156 1,105			
414.42		1,195			
414.47	5.5	1,234			
414.52	5.7	1,273			
414.57	5.9	1,312			
414.62	6.0	1,350			
414.67	6.2	1,388			
414.72	6.4	1,426			
414.77	6.5	1,464			
414.82	6.7	1,502			
414.87	6.9	1,539			
414.92	7.0	1,575			
414.97	7.2	1,611			
415.02	7.4	1,647			
415.07	7.5	1,682			
		•	I		

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Summary for Reach A3: Pipe A2

Inflow Area = 1,325,513 sf, 6.94% Impervious, Inflow Depth = 0.37" for 5-yr event

Inflow = 44.84 cfs @ 0.25 hrs, Volume= 41,128 cf

Outflow = 44.77 cfs @ 0.26 hrs, Volume= 41,128 cf, Atten= 0%, Lag= 0.1 min

Routed to Pond Pond : Regional Detention Basin

Routing by Stor-Ind+Trans method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Max. Velocity= 15.64 fps, Min. Travel Time= 0.1 min

Avg. Velocity = 8.81 fps, Avg. Travel Time= 0.1 min

Peak Storage= 180 cf @ 0.26 hrs

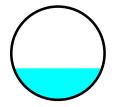
Average Depth at Peak Storage= 1.18', Surface Width= 3.31' Bank-Full Depth= 3.50' Flow Area= 9.6 sf, Capacity= 181.93 cfs

42.0" Round Pipe

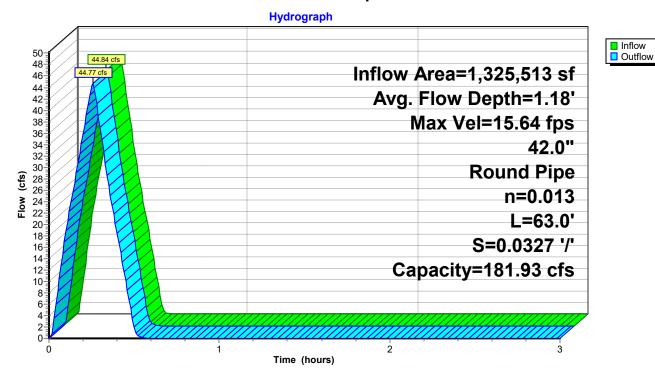
n= 0.013 Concrete pipe, bends & connections

Length= 63.0' Slope= 0.0327 '/'

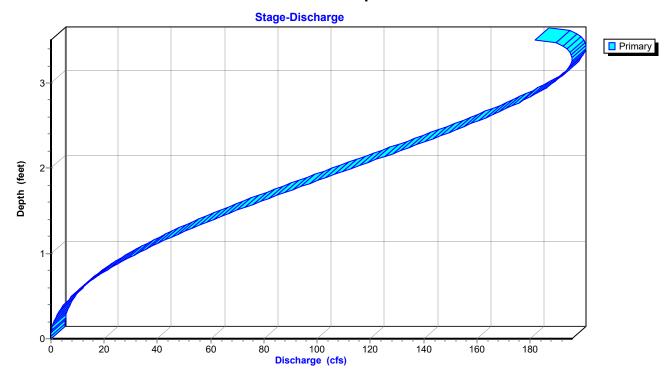
Inlet Invert= 405.31', Outlet Invert= 403.25'



Reach A3: Pipe A2



Reach A3: Pipe A2



Storage (cubic-feet)

483

492

502

511

520

529

537

545 553

561

568

575

581

587

592

597

601

604 606

Stage-Area-Storage for Reach A3: Pipe A2

Elevation		Storage	Elevation	End-Area
(feet)	(sq-ft)	(cubic-feet)	(feet)	(sq-ft)
405.31	0.0	0	407.91	7.7
405.36	0.0	2	407.96	7.8
405.41	0.1	5	408.01	8.0
405.46	0.1	9	408.06	8.1
405.51	0.2	14	408.11	8.3
405.56	0.3	19	408.16	8.4
405.61	0.4	25	408.21	8.5
405.66	0.5	32	408.26	8.7
405.71	0.6	38	408.31	8.8
405.76	0.7	46	408.36	8.9
405.81	8.0	53	408.41	9.0
405.86	1.0	61	408.46	9.1
405.91	1.1	69	408.51	9.2
405.96	1.2	78	408.56	9.3
406.01	1.4	86	408.61	9.4
406.06	1.5	95	408.66	9.5
406.11	1.7	104	408.71	9.5
406.16 406.21	1.8	114	408.76	9.6
406.21	2.0 2.1	123 133	408.81	9.6
406.20	2.1	143		
406.31	2.3	153		
406.41	2.4	163		
406.46	2.8	173		
406.51	2.9	184		
406.56	3.1	194		
406.61	3.3	205		
406.66	3.4	216		
406.71	3.6	226		
406.76	3.8	237		
406.81	3.9	248		
406.86	4.1	259		
406.91	4.3	270		
406.96	4.5	281		
407.01	4.6	292		
407.06	4.8	303		
407.11	5.0	314		
407.16	5.2	325		
407.21	5.3	336		
407.26 407.31	5.5 5.7	347 358		
407.31	5.7 5.9	369		
407.41	6.0	380		
407.46	6.2	390		
407.51	6.4	401		
407.56	6.5	412		
407.61	6.7	422		
407.66	6.9	433		
407.71	7.0	443		
407.76	7.2	453		
407.81	7.4	463		
407.86	7.5	473		

406.00

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Summary for Pond Pond: Regional Detention Basin

Inflow Area = 1,372,542 sf, 6.70% Impervious, Inflow Depth = 0.39" for 5-yr event

47.99 cfs @ 0.25 hrs, Volume= Inflow 44.255 cf

Outflow 0.29 hrs, Volume= 40.22 cfs @ 44,270 cf, Atten= 16%, Lag= 2.3 min =

Primary = 40.22 cfs @ 0.29 hrs, Volume= 44,270 cf

Routing by Stor-Ind method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Peak Elev= 404.64' @ 0.29 hrs Storage= 5,463 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 1.5 min (16.4 - 14.9)

12,812

Volume	Invert	Avail.Storage	Storage Description
#1	401.00'	12,812 cf	Custom Stage Data Listed below
Elevation (feet)	Cum.St		
401.00	(= ==== = = = = = = = = = = = = = = =	0	
402.00		103	
403.00		803	
404.00	2,	704	
405.00	7,	038	

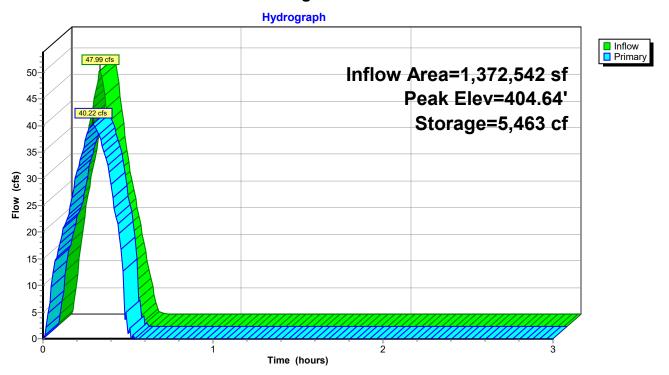
Device	Routing	Invert	Outlet Devices
#1	Primary	400.10'	24.0" Round RCP_Round 24"
			L= 100.0' RCP, end-section conforming to fill, Ke= 0.500
			Inlet / Outlet Invert= 400.10' / 397.97' S= 0.0213 '/' Cc= 0.900
			n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf
#2	Primary	403.02'	24.0" Round RCP_Round 24"
			L= 35.0' RCP, end-section conforming to fill, Ke= 0.500
			Inlet / Outlet Invert= 403.02' / 401.73' S= 0.0369 '/' Cc= 0.900
			n= 0.013 Concrete pipe, bends & connections, Flow Area= 3.14 sf
#3	Primary	405.69'	2.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)

Primary OutFlow Max=40.19 cfs @ 0.29 hrs HW=404.63' (Free Discharge)

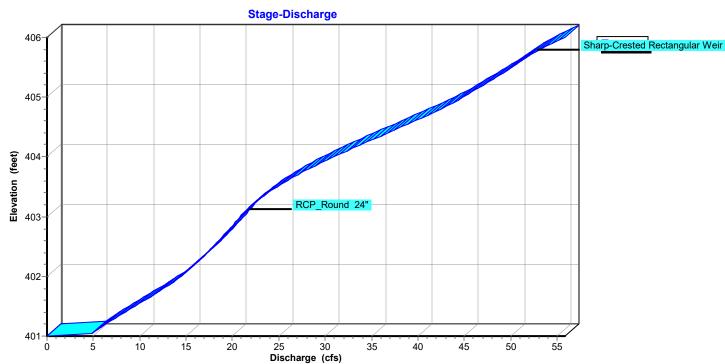
—1=RCP_Round 24" (Inlet Controls 28.44 cfs @ 9.05 fps) —2=RCP_Round 24" (Inlet Controls 11.75 cfs @ 4.33 fps)

-3=Sharp-Crested Rectangular Weir (Controls 0.00 cfs)

Pond Pond: Regional Detention Basin



Pond Pond: Regional Detention Basin



Stage-Area-Storage for Pond Pond: Regional Detention Basin

		ı	_
Elevation	Storage	Elevation	Storage
(feet)	(cubic-feet)	(feet)	(cubic-feet)
401.00	0	403.60	1,944
401.05	5	403.65	2,039
401.10	10	403.70	2,134
401.15	15	403.75	2,229
401.20	21	403.80	2,324
401.25	26	403.85	2,419
401.30	31	403.90	2,514
401.35	36	403.95	2,609
401.40	41	404.00	2,704
401.45	46	404.05	2,921
401.50	52	404.10	3,137
401.55	57 62	404.15	3,354
401.60 401.65	62 67	404.20	3,571
401.05	72	404.25 404.30	3,788 4,004
401.75	77	404.35	4,221
401.80	82	404.40	4,438
401.85	88	404.45	4,654
401.90	93	404.50	4,871
401.95	98	404.55	5,088
402.00	103	404.60	5,304
402.05	138	404.65	5,521
402.10	173	404.70	5,738
402.15	208	404.75	5,955
402.20	243	404.80	6,171
402.25	278	404.85	6,388
402.30	313	404.90	6,605
402.35	348	404.95	6,821
402.40	383	405.00	7,038
402.45	418	405.05	7,327
402.50	453	405.10	7,615
402.55	488	405.15	7,904
402.60	523	405.20	8,193
402.65	558	405.25	8,482
402.70	593	405.30	8,770
402.75	628	405.35	9,059
402.80	663	405.40	9,348
402.85	698	405.45	9,636
402.90	733	405.50	9,925
402.95	768	405.55	10,214
403.00	803	405.60	10,502
403.05 403.10	898	405.65	10,791 11,080
403.15	993 1,088	405.70 405.75	11,369
403.13	1,183	405.80	11,657
403.25	1,278	405.85	11,946
403.30	1,373	405.90	12,235
403.35	1,468	405.95	12,523
403.40	1,563	406.00	12,812
403.45	1,658	.55.55	.2,0 .2
403.50	1,754		
403.55	1,849		
	,		
	'	•	

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Summary for Subcatchment ARDOT: ARDOT Offsite

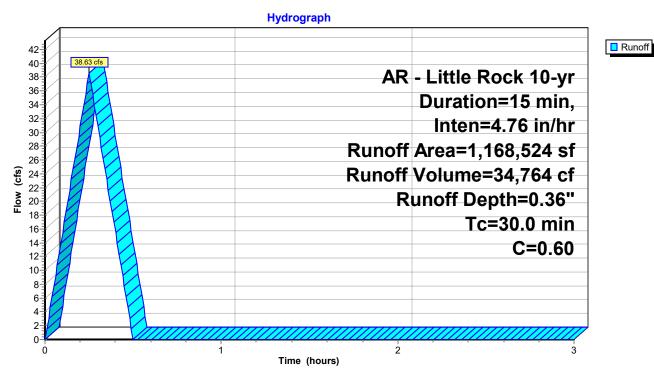
Runoff = 38.63 cfs @ 0.25 hrs, Volume= 34,764 cf, Depth= 0.36"

Routed to Reach A1: Pipe A1

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 10-yr Duration=15 min, Inten=4.76 in/hr

Area	sf) (De	escription	l	
1,168,5	24 0.6)			
1,168,5	1,168,524 100.00% Pervious Area			ervious Are	ea
	0	ope \ ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
30.0					Direct Entry,

Subcatchment ARDOT: ARDOT Offsite



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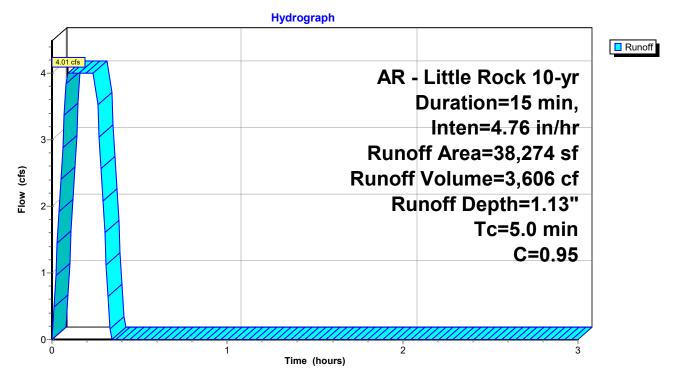
Summary for Subcatchment M&F: Merchants and Farmers

Runoff = 4.01 cfs @ 0.09 hrs, Volume= 3,606 cf, Depth= 1.13" Routed to Reach A2 : Pipe A2

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 10-yr Duration=15 min, Inten=4.76 in/hr

_	Α	rea (sf)	С	Description	Description					
		38,274	0.95	Developed	Developed Site					
		38,274		100.00% Impervious Area						
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description				
-	5.0		•	,	,	Direct Entry				

Subcatchment M&F: Merchants and Farmers



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Summary for Subcatchment SR: Springhill Retail Post

Runoff = 3.94 cfs @ 0.09 hrs, Volume= 3,544 cf, Depth= 0.90"

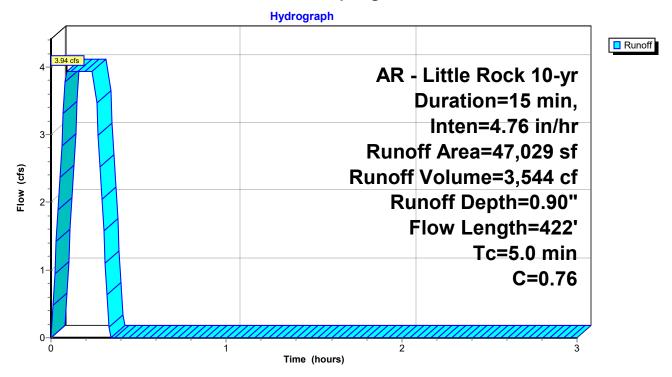
Routed to Pond Pond : Regional Detention Basin

Runoff by Rational method, Rise/Fall= $1.0/1.0 \, xTc$, Time Span= $0.00-3.00 \, hrs$, dt= $0.01 \, hrs$ AR - Little Rock 10-yr Duration= $15 \, min$, Inten= $4.76 \, in/hr$

	А	rea (sf)	С	Description	1	
-		1,511		Existing Dr		
		33,632		•	of, Sidewall	ks
		11,886		Landscape	•	
_		47,029	0.76	Weighted A	Average	
		47,029		•	ervious Are	ea
	Tc	Length	Slope		Capacity	Description
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	0.8	82	0.0290	1.76		Sheet Flow, Asphalt Sheet Flow
						Smooth surfaces n= 0.011 P2= 4.19"
	8.0	87	0.0080	1.82		Shallow Concentrated Flow, Gutter
						Paved Kv= 20.3 fps
	0.1	19	0.0210	2.94		Shallow Concentrated Flow, Concentrated Pavement Flow
	4.0	407	0.0050	0.04		Paved Kv= 20.3 fps
	1.0	197	0.0250	3.21		Shallow Concentrated Flow, Gutter
	0.0	0.7	0.0400	0.04		Paved Kv= 20.3 fps
	0.3	37	0.0130	2.31		Shallow Concentrated Flow, Gutter
	2.0					Paved Kv= 20.3 fps
-		400	T ()			Direct Entry, Minimum adjustment
	5.0	422	Total			

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Subcatchment SR: Springhill Retail Post



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Summary for Subcatchment WestProp: West Adjacent Property Drainage Basin

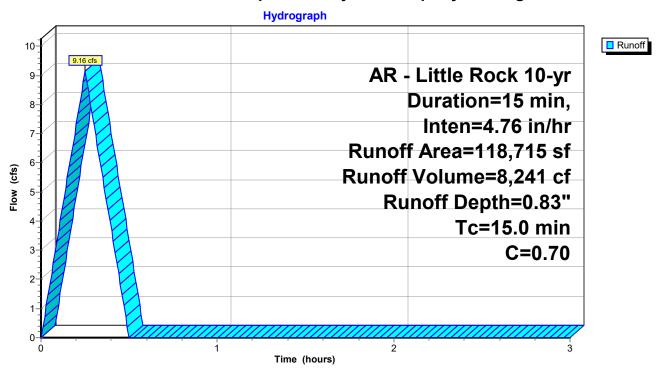
Runoff = 9.16 cfs @ 0.25 hrs, Volume= 8,241 cf, Depth= 0.83"

Routed to Reach A3: Pipe A2

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 10-yr Duration=15 min, Inten=4.76 in/hr

	Α	rea (sf)	С	Description						
		65,063	0.50	Pervious Areas						
_		53,652	0.95	Rooftop/Pa	Rooftop/Paving					
	1	18,715	0.70	Weighted Average						
		65,063		54.81% Pervious Area						
		53,652		45.19% Impervious Area						
	_									
	Tc	Length	Slope	,	Capacity	·				
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)					
	15.0					Direct Entry				

Subcatchment WestProp: West Adjacent Property Drainage Basin



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Summary for Reach A1: Pipe A1

Inflow Area = 1,168,524 sf, 0.00% Impervious, Inflow Depth = 0.36" for 10-yr event

Inflow = 38.63 cfs @ 0.25 hrs, Volume= 34,764 cf

Outflow = 38.55 cfs @ 0.25 hrs, Volume= 34,765 cf, Atten= 0%, Lag= 0.0 min

Routed to Reach A2: Pipe A2

Routing by Stor-Ind+Trans method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Max. Velocity= 13.29 fps, Min. Travel Time= 0.0 min Avg. Velocity = 10.31 fps, Avg. Travel Time= 0.0 min

Peak Storage= 35 cf @ 0.25 hrs

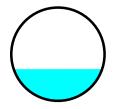
Average Depth at Peak Storage= 1.20', Surface Width= 3.32' Bank-Full Depth= 3.50' Flow Area= 9.6 sf, Capacity= 153.68 cfs

42.0" Round Pipe

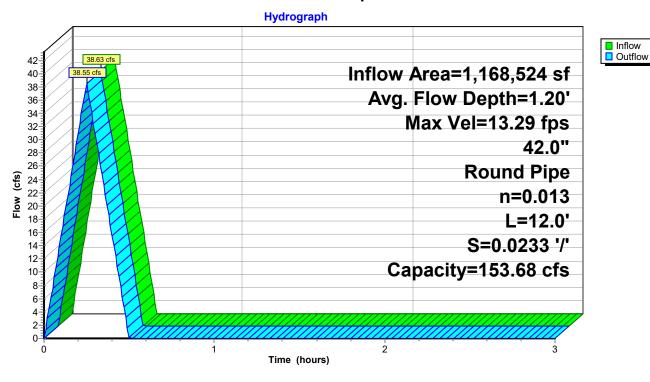
n= 0.013 Concrete pipe, bends & connections

Length= 12.0' Slope= 0.0233 '/'

Inlet Invert= 413.00', Outlet Invert= 412.72'



Reach A1: Pipe A1

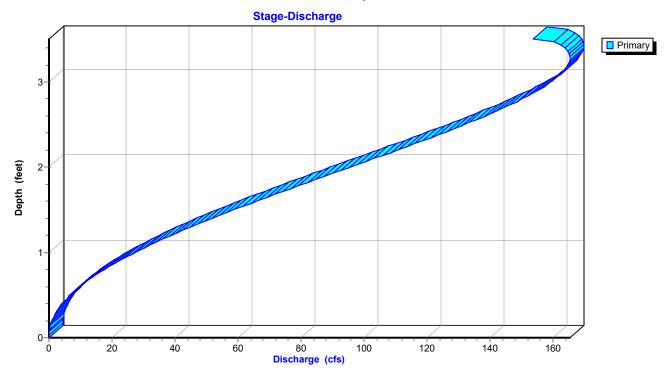


Springhill Retail

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Reach A1: Pipe A1



Storage (cubic-feet)

92

94

96

97 99

101

102

104

105

107

108

109

111

112

113

114

115

115 115

Stage-Area-Storage for Reach A1: Pipe A1

Elevation (feet)	End-Area (sq-ft)	Storage (cubic-feet)	Elevation (feet)	End-Area (sq-ft)
413.00	0.0	0	415.60	7.7
413.05	0.0	0	415.65	7.8
413.10	0.1	1	415.70	8.0
413.15	0.1	2	415.75	8.1
413.20	0.2	3	415.80	8.3
413.25	0.3	4	415.85	8.4
413.30	0.4	5	415.90	8.5
413.35	0.5	6	415.95	8.7
413.40	0.6	7	416.00	8.8
413.45	0.7	9	416.05	8.9
413.50 413.55	0.8 1.0	10 12	416.10 416.15	9.0 9.1
413.60	1.0	13	416.13	9.1
413.65	1.1	15	416.25	9.3
413.70	1.4	16	416.30	9.4
413.75	1.5	18	416.35	9.5
413.80	1.7	20	416.40	9.5
413.85	1.8	22	416.45	9.6
413.90	2.0	23	416.50	9.6
413.95	2.1	25		
414.00	2.3	27		
414.05	2.4	29		
414.10	2.6	31		
414.15	2.8	33		
414.20	2.9	35		
414.25	3.1	37		
414.30	3.3	39		
414.35	3.4	41		
414.40	3.6	43		
414.45 414.50	3.8 3.9	45 47		
414.55	4.1	49		
414.60	4.1	51		
414.65	4.5	54		
414.70	4.6	56		
414.75	4.8	58		
414.80	5.0	60		
414.85	5.2	62		
414.90	5.3	64		
414.95	5.5	66		
415.00	5.7	68		
415.05	5.9	70		
415.10	6.0	72		
415.15 415.20	6.2 6.4	74 76		
415.20	6.5	76 78		
415.25	6.7	76 80		
415.35	6.9	82		
415.40	7.0	84		
415.45	7.2	86		
415.50	7.4	88		
415.55	7.5	90		
			1	

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Summary for Reach A2: Pipe A2

Inflow Area = 1,206,798 sf, 3.17% Impervious, Inflow Depth = 0.38" for 10-yr event

Inflow = 42.56 cfs @ 0.25 hrs, Volume= 38,371 cf

Outflow = 41.88 cfs @ 0.26 hrs, Volume= 38,371 cf, Atten= 2%, Lag= 0.4 min

Routed to Reach A3: Pipe A2

Routing by Stor-Ind+Trans method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Max. Velocity= 15.22 fps, Min. Travel Time= 0.2 min

Avg. Velocity = 8.62 fps, Avg. Travel Time= 0.4 min

Peak Storage= 620 cf @ 0.25 hrs

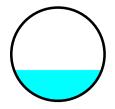
Average Depth at Peak Storage= 1.16', Surface Width= 3.29' Bank-Full Depth= 3.50' Flow Area= 9.6 sf, Capacity= 179.25 cfs

42.0" Round Pipe

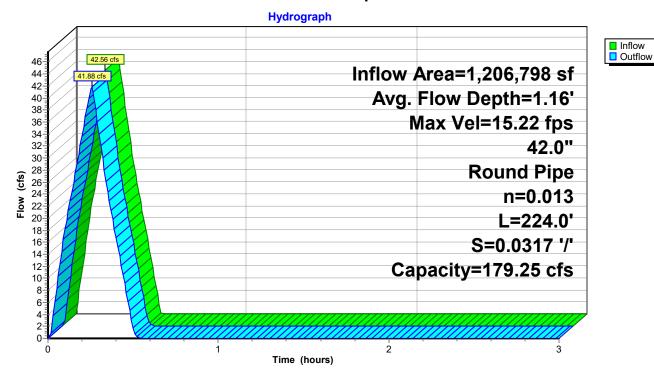
n= 0.013 Concrete pipe, bends & connections

Length= 224.0' Slope= 0.0317 '/'

Inlet Invert= 412.52', Outlet Invert= 405.41'



Reach A2: Pipe A2

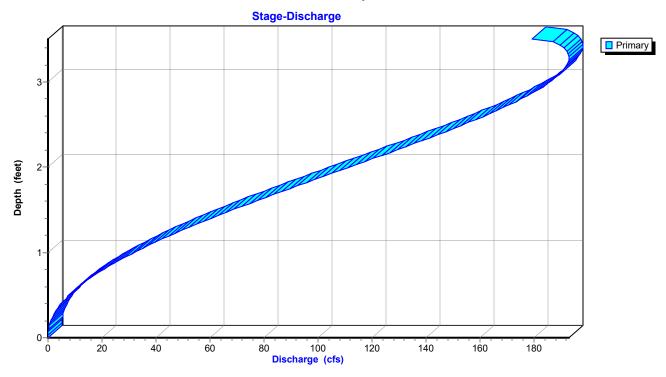


Springhill Retail

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Reach A2: Pipe A2



Stage-Area-Storage for Reach A2: Pipe A2

Elevation End-Area (sq-ft) (cubic-feet)						
412.52 0.0 6 415.12 7.7 1,717 412.57 0.0 6 415.17 7.8 1,751 412.62 0.1 18 415.27 8.1 1,816 412.67 0.1 32 415.27 8.1 1,816 412.72 0.2 49 415.32 8.3 1,848 412.77 0.3 68 415.37 8.4 1,879 412.82 0.4 90 415.42 8.5 1,909 412.87 0.5 112 415.47 8.7 1,938 412.97 0.6 136 415.52 8.8 1,966 412.97 0.7 162 415.57 8.9 1,993 413.02 0.8 189 415.62 9.0 2,019 413.07 1.0 217 415.67 9.1 2,043 413.17 1.2 276 415.77 9.3 2,087 413.22 1.4 <t< td=""><td></td><td></td><td>Storage</td><td></td><td></td><td>Storage</td></t<>			Storage			Storage
412.57 0.0 6 415.17 7.8 1,751 412.62 0.1 18 415.22 8.0 1,784 412.67 0.1 32 415.32 8.1 1,818 412.77 0.3 68 415.37 8.4 1,879 412.82 0.4 90 415.42 8.5 1,909 412.87 0.5 112 415.47 8.7 1,938 412.92 0.6 136 415.52 8.8 1,966 412.97 0.7 162 415.57 8.9 1,993 413.02 0.8 189 415.62 9.0 2,019 413.07 1.0 217 415.67 9.1 2,046 413.17 1.2 276 415.77 9.3 2,087 413.22 1.4 307 415.82 9.4 2,106 413.37 1.5 339 415.87 9.5 2,123 413.37 1.8 404 415.92 9.5 2,134 413.57 2.4 454 <td></td> <td>(sq-ft)</td> <td>(cubic-feet)</td> <td></td> <td></td> <td></td>		(sq-ft)	(cubic-feet)			
412.62 0.1 18 415.22 8.0 1,784 412.67 0.1 32 415.27 8.1 1,816 412.72 0.2 49 415.32 8.3 1,848 412.77 0.3 68 415.37 8.4 1,879 412.82 0.4 90 415.42 8.5 1,909 412.87 0.5 112 415.47 8.7 1,938 412.92 0.6 136 415.52 8.8 1,966 412.97 0.7 162 415.57 8.9 1,933 413.02 0.8 189 415.62 9.0 2,019 413.07 1.0 217 415.67 9.1 2,043 413.17 1.2 276 415.77 9.3 2,066 413.17 1.2 276 415.77 9.3 2,087 413.22 1.4 307 415.82 9.4 2,106 413.32 1.7 371 415.92 9.5 2,138 413.47 2.1 473 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
412.67 0.1 32 415.27 8.1 1,816 412.77 0.3 68 415.37 8.4 1,879 412.82 0.4 90 415.42 8.5 1,909 412.87 0.5 112 415.42 8.5 1,909 412.97 0.7 162 415.57 8.9 1,993 413.02 0.8 189 415.62 9.0 2,019 413.07 1.0 217 415.67 9.0 2,019 413.17 1.2 276 415.72 9.2 2,066 413.17 1.2 276 415.72 9.2 2,066 413.17 1.2 276 415.72 9.2 2,066 413.17 1.2 276 415.77 9.3 2,087 413.27 1.5 339 415.87 9.5 2,123 413.27 1.5 339 415.87 9.5 2,138 413.37 1.8 404 415.97 9.6 2,149 413.57 2.4 5,4						
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413.32 1.7 371 415.92 9.5 2,138 413.37 1.8 404 415.97 9.6 2,149 413.42 2.0 438 416.02 9.6 2,155 413.47 2.1 473 416.02 9.6 2,155 413.47 2.1 473 416.02 9.6 2,155 413.52 2.3 508 416.02 9.6 2,155 413.57 2.4 544 416.02 9.6 2,155 413.67 2.8 617 617 617 617 618 617 618 617 618 617 618 617 618 617 618 617 618 <td< td=""><td>413.22</td><td>1.4</td><td>307</td><td></td><td>9.4</td><td>2,106</td></td<>	413.22	1.4	307		9.4	2,106
413.37 1.8 404 415.97 9.6 2,149 413.42 2.0 438 416.02 9.6 2,155 413.47 2.1 473 416.02 9.6 2,155 413.57 2.4 544	413.27	1.5	339	415.87	9.5	2,123
413.42 2.0 438 416.02 9.6 2,155 413.47 2.1 473 413.62 2.6 580 413.57 2.4 544 413.62 2.6 580 413.67 2.8 617 413.72 2.9 654 413.77 3.1 691 413.82 3.3 729 413.87 3.4 767 413.92 3.6 805 413.97 3.8 844 414.02 3.9 882 414.17 4.5 999 414.22 4.6 1,038 414.27 4.8 1,078 414.32 5.0 1,117 414.37 5.2 1,156 414.47 5.5 1,234 414.52 5.7 1,273 414.57 5.9 1,312 414.62 6.0 1,350 414.77 6.5 1,464 414.82 6.7 1,502 414.87 6.9 1,539 414.97 7.2 1,611	413.32	1.7	371	415.92	9.5	2,138
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413.52 2.3 508 413.57 2.4 544 413.62 2.6 580 413.67 2.8 617 413.72 2.9 654 413.77 3.1 691 413.82 3.3 729 413.87 3.4 767 413.92 3.6 805 413.97 3.8 844 414.02 3.9 882 414.07 4.1 921 414.12 4.3 960 414.17 4.5 999 414.22 4.6 1,038 414.27 4.8 1,078 414.32 5.0 1,117 414.37 5.2 1,156 414.47 5.5 1,234 414.47 5.5 1,234 414.52 5.7 1,273 414.62 6.0 1,350 414.67 6.2 1,388 414.77 6.5 1,464 414.82 6.7 1,502 414.87	413.42	2.0	438	416.02	9.6	2,155
413.57 2.4 544 413.62 2.6 580 413.67 2.8 617 413.72 2.9 654 413.77 3.1 691 413.82 3.3 729 413.87 3.4 767 413.92 3.6 805 413.97 3.8 844 414.02 3.9 882 414.07 4.1 921 414.12 4.3 960 414.17 4.5 999 414.22 4.6 1,038 414.37 5.2 1,117 414.37 5.2 1,156 414.42 5.3 1,195 414.47 5.5 1,234 414.52 5.7 1,273 414.57 5.9 1,312 414.66 6.0 1,350 414.67 6.2 1,388 414.77 6.5 1,464 414.82 6.7 1,502 414.87 6.9 1,539 414.97	413.47	2.1	473			
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414.22 4.6 1,038 414.27 4.8 1,078 414.32 5.0 1,117 414.37 5.2 1,156 414.42 5.3 1,195 414.47 5.5 1,234 414.52 5.7 1,273 414.57 5.9 1,312 414.62 6.0 1,350 414.67 6.2 1,388 414.72 6.4 1,426 414.77 6.5 1,464 414.82 6.7 1,502 414.87 6.9 1,539 414.92 7.0 1,575 414.97 7.2 1,611 415.02 7.4 1,647						
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414.37 5.2 1,156 414.42 5.3 1,195 414.47 5.5 1,234 414.52 5.7 1,273 414.57 5.9 1,312 414.62 6.0 1,350 414.67 6.2 1,388 414.72 6.4 1,426 414.77 6.5 1,464 414.82 6.7 1,502 414.87 6.9 1,539 414.92 7.0 1,575 414.97 7.2 1,611 415.02 7.4 1,647						
414.42 5.3 1,195 414.47 5.5 1,234 414.52 5.7 1,273 414.57 5.9 1,312 414.62 6.0 1,350 414.67 6.2 1,388 414.72 6.4 1,426 414.77 6.5 1,464 414.82 6.7 1,502 414.87 6.9 1,539 414.92 7.0 1,575 414.97 7.2 1,611 415.02 7.4 1,647						
414.47 5.5 1,234 414.52 5.7 1,273 414.57 5.9 1,312 414.62 6.0 1,350 414.67 6.2 1,388 414.72 6.4 1,426 414.77 6.5 1,464 414.82 6.7 1,502 414.87 6.9 1,539 414.92 7.0 1,575 414.97 7.2 1,611 415.02 7.4 1,647	414.37	5.2				
414.52 5.7 1,273 414.57 5.9 1,312 414.62 6.0 1,350 414.67 6.2 1,388 414.72 6.4 1,426 414.77 6.5 1,464 414.82 6.7 1,502 414.87 6.9 1,539 414.92 7.0 1,575 414.97 7.2 1,611 415.02 7.4 1,647						
414.57 5.9 1,312 414.62 6.0 1,350 414.67 6.2 1,388 414.72 6.4 1,426 414.77 6.5 1,464 414.82 6.7 1,502 414.87 6.9 1,539 414.92 7.0 1,575 414.97 7.2 1,611 415.02 7.4 1,647						
414.62 6.0 1,350 414.67 6.2 1,388 414.72 6.4 1,426 414.77 6.5 1,464 414.82 6.7 1,502 414.87 6.9 1,539 414.92 7.0 1,575 414.97 7.2 1,611 415.02 7.4 1,647						
414.67 6.2 1,388 414.72 6.4 1,426 414.77 6.5 1,464 414.82 6.7 1,502 414.87 6.9 1,539 414.92 7.0 1,575 414.97 7.2 1,611 415.02 7.4 1,647						
414.72 6.4 1,426 414.77 6.5 1,464 414.82 6.7 1,502 414.87 6.9 1,539 414.92 7.0 1,575 414.97 7.2 1,611 415.02 7.4 1,647						
414.77 6.5 1,464 414.82 6.7 1,502 414.87 6.9 1,539 414.92 7.0 1,575 414.97 7.2 1,611 415.02 7.4 1,647						
414.82 6.7 1,502 414.87 6.9 1,539 414.92 7.0 1,575 414.97 7.2 1,611 415.02 7.4 1,647						
414.87 6.9 1,539 414.92 7.0 1,575 414.97 7.2 1,611 415.02 7.4 1,647						
414.92 7.0 1,575 414.97 7.2 1,611 415.02 7.4 1,647						
414.97 7.2 1,611 415.02 7.4 1,647						
415.02 7.4 1,647						
415.07 7.5 1,682						
	415.07	7.5	1,682			

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Summary for Reach A3: Pipe A2

Inflow Area = 1,325,513 sf, 6.94% Impervious, Inflow Depth = 0.42" for 10-yr event

Inflow = 50.84 cfs @ 0.25 hrs, Volume= 46,612 cf

Outflow = 50.76 cfs @ 0.26 hrs, Volume= 46,612 cf, Atten= 0%, Lag= 0.1 min

Routed to Pond Pond : Regional Detention Basin

Routing by Stor-Ind+Trans method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Max. Velocity= 16.20 fps, Min. Travel Time= 0.1 min

Avg. Velocity = 9.11 fps, Avg. Travel Time= 0.1 min

Peak Storage= 198 cf @ 0.26 hrs

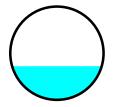
Average Depth at Peak Storage= 1.27', Surface Width= 3.36' Bank-Full Depth= 3.50' Flow Area= 9.6 sf, Capacity= 181.93 cfs

42.0" Round Pipe

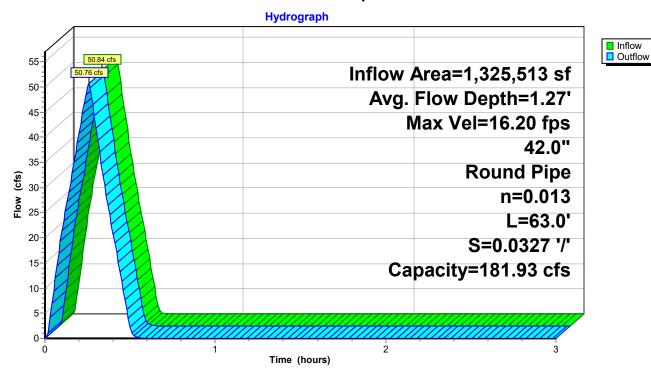
n= 0.013 Concrete pipe, bends & connections

Length= 63.0' Slope= 0.0327 '/'

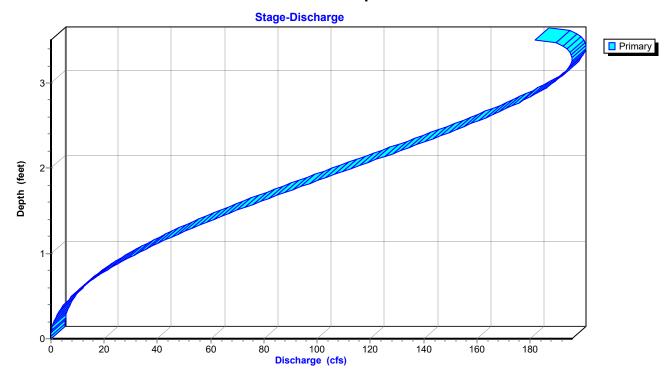
Inlet Invert= 405.31', Outlet Invert= 403.25'



Reach A3: Pipe A2



Reach A3: Pipe A2



Storage

483

492

502

511

520

529

537

545 553

561

568

575

581

587

592

597

601

604 606

(cubic-feet)

Stage-Area-Storage for Reach A3: Pipe A2

Elevation	End-Area	Storage	Elevation	End-Area
(feet)	(sq-ft)	(cubic-feet)	(feet)	(sq-ft)
405.31	0.0	0	407.91	7.7
405.36	0.0	2	407.96	7.8
405.41	0.1	5	408.01	8.0
405.46	0.1	9	408.06	8.1
405.51	0.2	14	408.11	8.3
405.56 405.61	0.3 0.4	19 25	408.16 408.21	8.4 8.5
405.66	0.4	32	408.21	8.7
405.00	0.5	38	408.20	8.8
405.76	0.7	46	408.36	8.9
405.81	0.8	53	408.41	9.0
405.86	1.0	61	408.46	9.1
405.91	1.1	69	408.51	9.2
405.96	1.2	78	408.56	9.3
406.01	1.4	86	408.61	9.4
406.06	1.5	95	408.66	9.5
406.11	1.7	104	408.71	9.5
406.16	1.8	114	408.76	9.6
406.21	2.0	123	408.81	9.6
406.26	2.1	133		
406.31	2.3	143		
406.36	2.4	153		
406.41	2.6	163		
406.46	2.8	173		
406.51	2.9	184		
406.56	3.1	194		
406.61 406.66	3.3 3.4	205 216		
406.86	3.4	226		
406.71	3.8	237		
406.81	3.9	248		
406.86	4.1	259		
406.91	4.3	270		
406.96	4.5	281		
407.01	4.6	292		
407.06	4.8	303		
407.11	5.0	314		
407.16	5.2	325		
407.21	5.3	336		
407.26	5.5	347		
407.31	5.7	358		
407.36	5.9	369		
407.41	6.0	380		
407.46 407.51	6.2 6.4	390 401		
407.51	6.5	412		
407.50	6.7	422		
407.66	6.9	433		
407.71	7.0	443		
407.76	7.2	453		
407.81	7.4	463		
407.86	7.5	473		
			i	

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Summary for Pond Pond: Regional Detention Basin

Inflow Area = 1,372,542 sf, 6.70% Impervious, Inflow Depth = 0.44" for 10-yr event

0.25 hrs, Volume= Inflow 54.42 cfs @ 50.156 cf

0.30 hrs, Volume= Outflow 50,169 cf, Atten= 18%, Lag= 2.5 min 44.67 cfs @

Primary 44.67 cfs @ 0.30 hrs, Volume= 50,169 cf

Routing by Stor-Ind method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Peak Elev= 404.98' @ 0.30 hrs Storage= 6,943 cf

Plug-Flow detention time= 1.8 min calculated for 50,002 cf (100% of inflow)

Center-of-Mass det. time= 1.8 min (16.6 - 14.8)

Volume	Invert	Avail.Storage	Storage Description
#1	401.00'	12,812 cf	Custom Stage Data Listed below
Elevation	Cum.St	ore	

_icvation	Culli.Stole
(feet)	(cubic-feet)
401.00	0
402.00	103
403.00	803
404.00	2,704
405.00	7,038
406.00	12,812

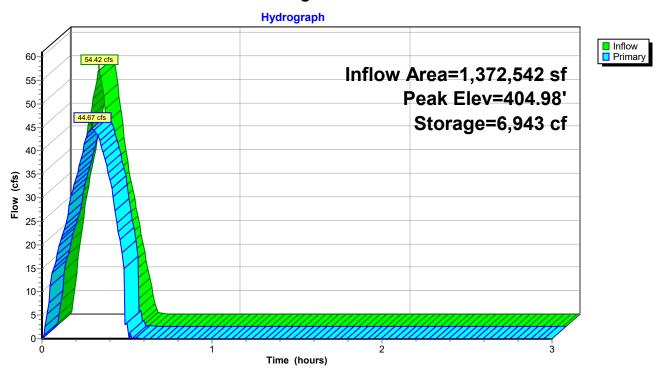
Device	Routing	Invert	Outlet Devices
#1	Primary	400.10'	24.0" Round RCP_Round 24" L= 100.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 400.10' / 397.97' S= 0.0213 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf
#2	Primary	403.02'	24.0" Round RCP_Round 24" L= 35.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 403.02' / 401.73' S= 0.0369 '/' Cc= 0.900 n= 0.013 Concrete pipe, bends & connections, Flow Area= 3.14 sf
#3	Primary	405.69'	2.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)

Primary OutFlow Max=44.65 cfs @ 0.30 hrs HW=404.98' (Free Discharge)

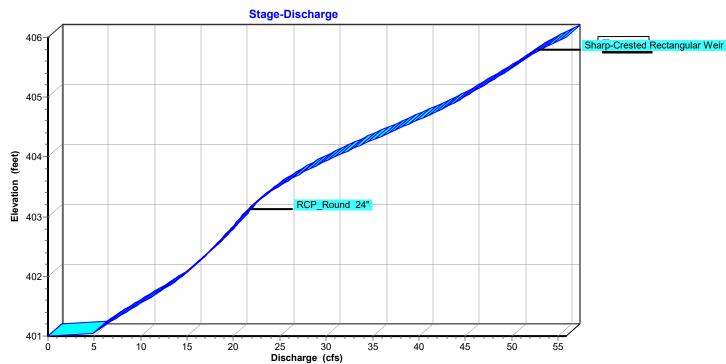
—1=RCP_Round 24" (Inlet Controls 29.78 cfs @ 9.48 fps) —2=RCP_Round 24" (Inlet Controls 14.87 cfs @ 4.76 fps)

-3=Sharp-Crested Rectangular Weir (Controls 0.00 cfs)

Pond Pond: Regional Detention Basin



Pond Pond: Regional Detention Basin



Stage-Area-Storage for Pond Pond: Regional Detention Basin

	.		0.
Elevation	Storage	Elevation	Storage
(feet)	(cubic-feet)	(feet)	(cubic-feet)
401.00	0	403.60	1,944
401.05	5	403.65	2,039
401.10	10	403.70	2,134
401.15	15	403.75	2,229
401.20	21	403.80	2,324
401.25	26	403.85	2,419
401.30	31	403.90	2,514
401.35	36	403.95	2,609
401.40	41	404.00 404.05	2,704
401.45 401.50	46 52	404.03	2,921 3,137
401.55	52 57	404.10	3,157
401.60	62	404.13	3,571
401.65	67	404.25	3,788
401.70	72	404.30	4,004
401.75	77	404.35	4,221
401.80	82	404.40	4,438
401.85	88	404.45	4,654
401.90	93	404.50	4,871
401.95	98	404.55	5,088
402.00	103	404.60	5,304
402.05	138	404.65	5,521
402.10	173	404.70	5,738
402.15	208	404.75	5,955
402.20	243	404.80	6,171
402.25	278	404.85	6,388
402.30	313	404.90	6,605
402.35	348	404.95	6,821
402.40	383	405.00	7,038
402.45	418	405.05	7,327
402.50	453	405.10	7,615
402.55	488	405.15	7,904
402.60	523	405.20	8,193
402.65	558	405.25	8,482
402.70	593	405.30	8,770
402.75	628	405.35	9,059
402.80	663	405.40	9,348
402.85	698	405.45	9,636
402.90	733	405.50	9,925
402.95	768	405.55	10,214
403.00 403.05	803	405.60	10,502
403.03	898 993	405.65 405.70	10,791 11,080
403.15	1,088	405.75	11,369
403.20	1,183	405.80	11,657
403.25	1,278	405.85	11,946
403.30	1,373	405.90	12,235
403.35	1,468	405.95	12,523
403.40	1,563	406.00	12,812
403.45	1,658		,
403.50	1,754		
403.55	1,849		

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Summary for Subcatchment ARDOT: ARDOT Offsite

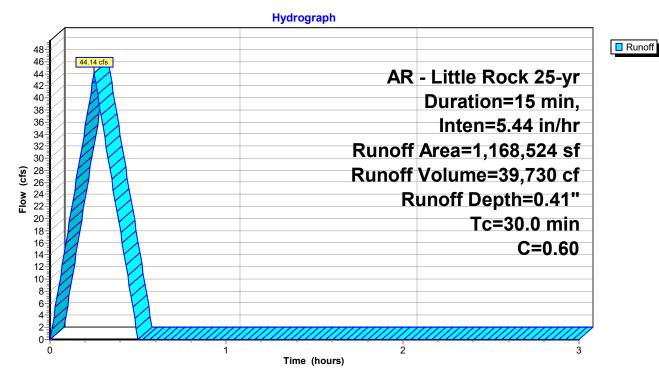
Runoff = 44.14 cfs @ 0.25 hrs, Volume= 39,730 cf, Depth= 0.41" Routed to Reach A1 : Pipe A1

reduced to redon 7(1 : 1 lpc 7(1

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 25-yr Duration=15 min, Inten=5.44 in/hr

A	rea (sf)	C	Description	1	
1,1	68,524	0.60			
1,1	68,524		100.00% P	ervious Are	ea
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
30.0	• /	, ,	, ,	,	Direct Entry,

Subcatchment ARDOT: ARDOT Offsite



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Summary for Subcatchment M&F: Merchants and Farmers

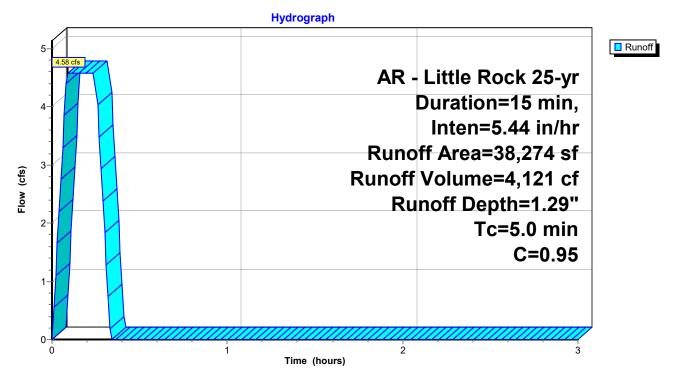
Runoff = 4.58 cfs @ 0.09 hrs, Volume= 4,121 cf, Depth= 1.29"

Routed to Reach A2 : Pipe A2

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 25-yr Duration=15 min, Inten=5.44 in/hr

_	Α	rea (sf)	С	Description						
		38,274	0.95	Developed	Developed Site					
		38,274		100.00% Impervious Area						
	Tc (min)	Length (feet)	Slope (ft/ft)	•	Capacity (cfs)	Description				
-	5.0		•	•	,	Direct Entry				

Subcatchment M&F: Merchants and Farmers



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Summary for Subcatchment SR: Springhill Retail Post

Runoff = 4.50 cfs @ 0.09 hrs, Volume=

4,051 cf, Depth= 1.03"

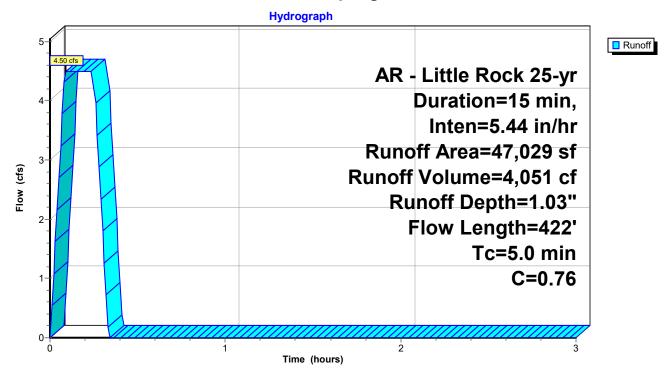
Routed to Pond Pond : Regional Detention Basin

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 25-yr Duration=15 min, Inten=5.44 in/hr

A	rea (sf)	С	Description	ı	
	1,511	0.86	Existing Dr	rive	
	33,632	0.92	Drives, Ro	of, Sidewall	KS
	11,886	0.30	Landscape	d Areas	
	47,029	0.76	Weighted A		
	47,029		100.00% P	ervious Are	ea
_		01		0 "	
Tc	Length	Slope	•	Capacity	Description
<u>(min)</u>	(feet)	(ft/ft)	(ft/sec)	(cfs)	
8.0	82	0.0290	1.76		Sheet Flow, Asphalt Sheet Flow
					Smooth surfaces n= 0.011 P2= 4.19"
8.0	87	0.0080	1.82		Shallow Concentrated Flow, Gutter
					Paved Kv= 20.3 fps
0.1	19	0.0210	2.94		Shallow Concentrated Flow, Concentrated Pavement Flow
					Paved Kv= 20.3 fps
1.0	197	0.0250	3.21		Shallow Concentrated Flow, Gutter
					Paved Kv= 20.3 fps
0.3	37	0.0130	2.31		Shallow Concentrated Flow, Gutter
					Paved Kv= 20.3 fps
2.0					Direct Entry, Minimum adjustment
5.0	422	Total			

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Subcatchment SR: Springhill Retail Post



Summary for Subcatchment WestProp: West Adjacent Property Drainage Basin

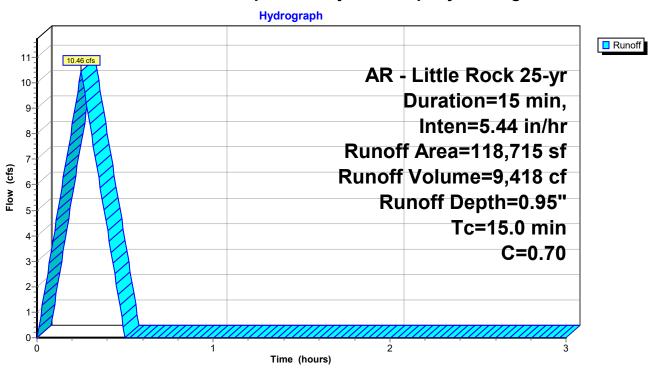
Runoff = 10.46 cfs @ 0.25 hrs, Volume= 9,418 cf, Depth= 0.95"

Routed to Reach A3: Pipe A2

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 25-yr Duration=15 min, Inten=5.44 in/hr

	Α	rea (sf)	С	Description	Description					
		65,063	0.50	Pervious A	Pervious Areas					
_		53,652	0.95	Rooftop/Pa	Rooftop/Paving					
	1	18,715	0.70	Weighted /	Weighted Average					
		65,063		54.81% Pe	rvious Area	ea				
		53,652		45.19% Impervious Area						
	_									
	Tc	Length	Slope	,	Capacity	·				
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)					
	15.0					Direct Entry				

Subcatchment WestProp: West Adjacent Property Drainage Basin



Springhill Retail

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Summary for Reach A1: Pipe A1

Inflow Area = 1,168,524 sf, 0.00% Impervious, Inflow Depth = 0.41" for 25-yr event

Inflow = 44.14 cfs @ 0.25 hrs, Volume= 39,730 cf

Outflow = 44.06 cfs @ 0.25 hrs, Volume= 39,731 cf, Atten= 0%, Lag= 0.0 min

Routed to Reach A2: Pipe A2

Routing by Stor-Ind+Trans method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Max. Velocity= 13.79 fps, Min. Travel Time= 0.0 min

Avg. Velocity = 10.71 fps, Avg. Travel Time= 0.0 min

Peak Storage= 38 cf @ 0.25 hrs

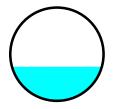
Average Depth at Peak Storage= 1.28', Surface Width= 3.37' Bank-Full Depth= 3.50' Flow Area= 9.6 sf, Capacity= 153.68 cfs

42.0" Round Pipe

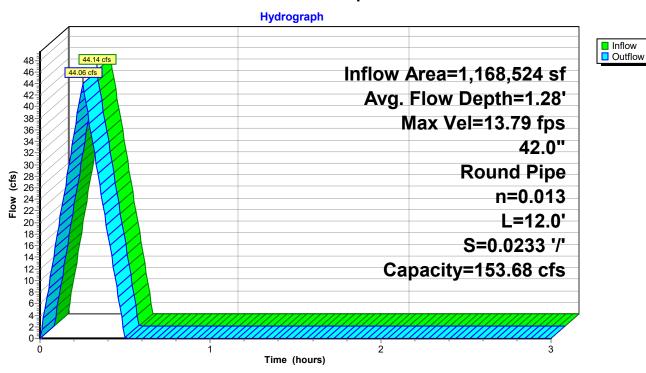
n= 0.013 Concrete pipe, bends & connections

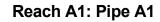
Length= 12.0' Slope= 0.0233 '/'

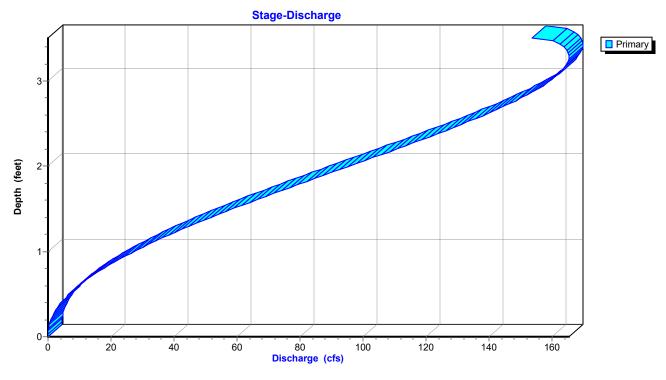
Inlet Invert= 413.00', Outlet Invert= 412.72'



Reach A1: Pipe A1







Storage (cubic-feet)

92

94

96

97

99

101

102

104

105 107

108

109

111

112

113

114

115

115

115

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Stage-Area-Storage for Reach A1: Pipe A1

Elevation (feet)	End-Area (sq-ft)	Storage (cubic-feet)	Elevation (feet)	End-Area (sq-ft)
413.00	0.0	0	415.60	7.7
413.05	0.0	0	415.65	7.8
413.10	0.1	1	415.70	8.0
413.15	0.1	2	415.75	8.1
413.20	0.2	3	415.80	8.3
413.25	0.3	4	415.85	8.4
413.30	0.4	5	415.90	8.5
413.35	0.5	6	415.95	8.7
413.40	0.6	7	416.00	8.8
413.45	0.7	9	416.05	8.9
413.50 413.55	0.8 1.0	10 12	416.10 416.15	9.0 9.1
413.60	1.0	13	416.13	9.1
413.65	1.1	15	416.25	9.3
413.70	1.4	16	416.30	9.4
413.75	1.5	18	416.35	9.5
413.80	1.7	20	416.40	9.5
413.85	1.8	22	416.45	9.6
413.90	2.0	23	416.50	9.6
413.95	2.1	25		
414.00	2.3	27		
414.05	2.4	29		
414.10	2.6	31		
414.15	2.8	33		
414.20	2.9	35		
414.25	3.1	37		
414.30	3.3	39		
414.35	3.4	41		
414.40 414.45	3.6 3.8	43 45		
414.45	3.6	45 47		
414.55	4.1	49		
414.60	4.3	51		
414.65	4.5	54		
414.70	4.6	56		
414.75	4.8	58		
414.80	5.0	60		
414.85	5.2	62		
414.90	5.3	64		
414.95	5.5	66		
415.00	5.7	68		
415.05	5.9	70 70		
415.10	6.0	72 74		
415.15 415.20	6.2 6.4	74 76		
415.25	6.5	76 78		
415.23	6.7	80		
415.35	6.9	82		
415.40	7.0	84		
415.45	7.2	86		
415.50	7.4	88		
415.55	7.5	90		

InflowOutflow

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Summary for Reach A2: Pipe A2

Inflow Area = 1,206,798 sf, 3.17% Impervious, Inflow Depth = 0.44" for 25-yr event

Inflow = 48.64 cfs @ 0.25 hrs, Volume= 43,852 cf

Outflow = 47.87 cfs @ 0.26 hrs, Volume= 43,852 cf, Atten= 2%, Lag= 0.4 min

Routed to Reach A3: Pipe A2

Routing by Stor-Ind+Trans method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Max. Velocity= 15.80 fps, Min. Travel Time= 0.2 min

Avg. Velocity = 8.94 fps, Avg. Travel Time= 0.4 min

Peak Storage= 683 cf @ 0.25 hrs

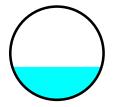
Average Depth at Peak Storage= 1.24', Surface Width= 3.35' Bank-Full Depth= 3.50' Flow Area= 9.6 sf, Capacity= 179.25 cfs

42.0" Round Pipe

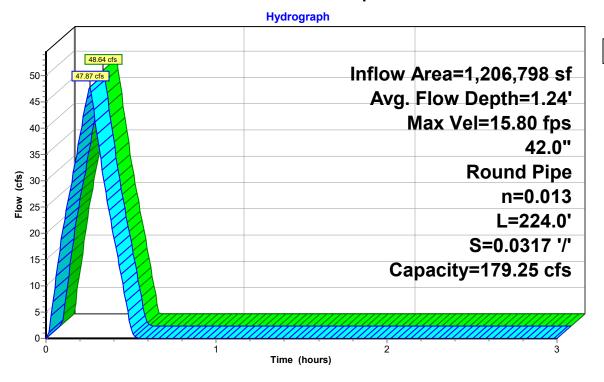
n= 0.013 Concrete pipe, bends & connections

Length= 224.0' Slope= 0.0317 '/'

Inlet Invert= 412.52', Outlet Invert= 405.41'

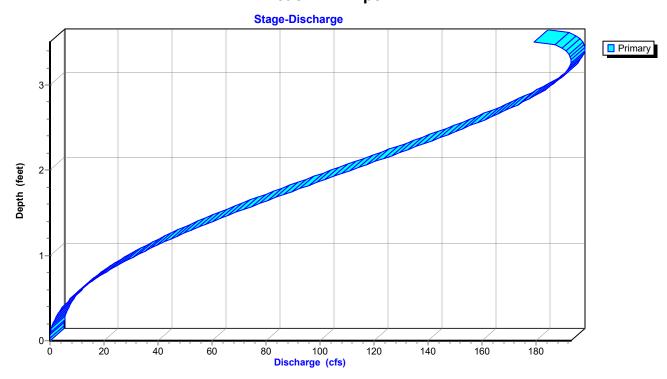


Reach A2: Pipe A2



Printed 5/22/2024

Reach A2: Pipe A2



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Stage-Area-Storage for Reach A2: Pipe A2

		•	_	•	•
	End-Area	Storage		End-Area	Storage
(feet)	(sq-ft)	(cubic-feet)	(feet)	(sq-ft)	(cubic-feet)
412.52	0.0	0	415.12	7.7	1,717
412.57	0.0	6	415.17	7.8	1,751
412.62	0.1	18	415.22	8.0	1,784
412.67	0.1	32	415.27	8.1	1,816
412.72	0.2	49	415.32	8.3	1,848
412.77	0.3	68	415.37	8.4	1,879
412.82	0.4	90	415.42	8.5	1,909
412.87	0.5	112	415.47	8.7	1,938
412.92	0.6	136	415.52	8.8	1,966
412.97	0.7	162	415.57	8.9	1,993
413.02	0.8	189	415.62	9.0	2,019
413.07	1.0	217	415.67	9.1	2,043
413.12	1.1	246	415.72	9.2	2,066
413.17	1.2	276	415.77	9.3	2,087
413.17	1.4	307	415.82	9.4	
413.22			415.87		2,106
	1.5	339		9.5	2,123
413.32	1.7	371	415.92	9.5	2,138
413.37	1.8	404	415.97	9.6	2,149
413.42	2.0	438	416.02	9.6	2,155
413.47	2.1	473			
413.52	2.3	508			
413.57	2.4	544			
413.62	2.6	580			
413.67	2.8	617			
413.72	2.9	654			
413.77	3.1	691			
413.82	3.3	729			
413.87	3.4	767			
413.92	3.6	805			
413.97	3.8	844			
414.02	3.9	882			
414.07	4.1	921			
414.12	4.3	960			
414.17	4.5	999			
414.22	4.6	1,038			
414.27	4.8	1,078			
414.32	5.0	1,117			
414.37	5.2 5.3	1,156 1,105			
414.42		1,195			
414.47	5.5	1,234			
414.52	5.7	1,273			
414.57	5.9	1,312			
414.62	6.0	1,350			
414.67	6.2	1,388			
414.72	6.4	1,426			
414.77	6.5	1,464			
414.82	6.7	1,502			
414.87	6.9	1,539			
414.92	7.0	1,575			
414.97	7.2	1,611			
415.02	7.4	1,647			
415.07	7.5	1,682			
		•	I		

Springhill Retail

Prepared by Phillip Lewis Engineering

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Summary for Reach A3: Pipe A2

Inflow Area = 1,325,513 sf, 6.94% Impervious, Inflow Depth = 0.48" for 25-yr event

Inflow = 58.14 cfs @ 0.25 hrs, Volume= 53,270 cf

Outflow = 58.03 cfs @ 0.26 hrs, Volume= 53,270 cf, Atten= 0%, Lag= 0.1 min

Routed to Pond Pond : Regional Detention Basin

Routing by Stor-Ind+Trans method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Max. Velocity= 16.80 fps, Min. Travel Time= 0.1 min

Avg. Velocity = 9.35 fps, Avg. Travel Time= 0.1 min

Peak Storage= 218 cf @ 0.26 hrs

Average Depth at Peak Storage= 1.36', Surface Width= 3.41'

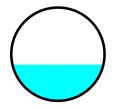
Bank-Full Depth= 3.50' Flow Area= 9.6 sf, Capacity= 181.93 cfs

42.0" Round Pipe

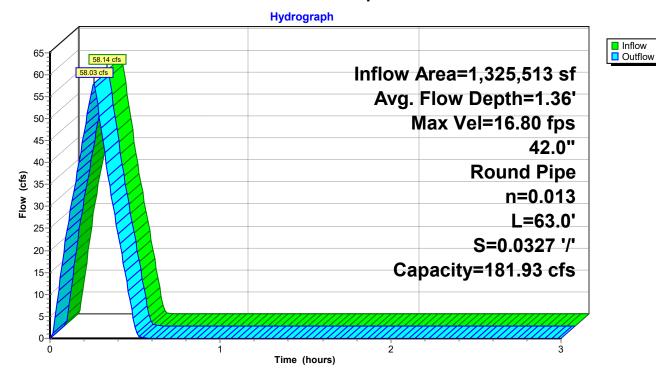
n= 0.013 Concrete pipe, bends & connections

Length= 63.0' Slope= 0.0327 '/'

Inlet Invert= 405.31', Outlet Invert= 403.25'



Reach A3: Pipe A2



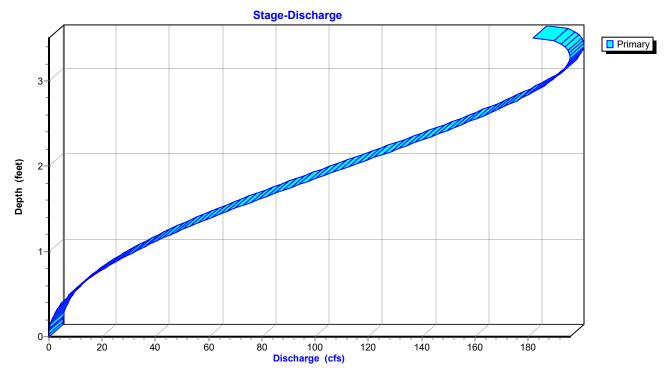
Printed 5/22/2024

Springhill Retail

AR - Little Rock 25-yr De Prepared by Phillip Lewis Engineering

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Reach A3: Pipe A2



Storage (cubic-feet)

483

492

502

511

520

529

537

545

553

561

568

575

581

587

592

597

601

604 606

Stage-Area-Storage for Reach A3: Pipe A2

Elevation		Storage	Elevation	End-Area
(feet)	(sq-ft)	(cubic-feet)	(feet)	(sq-ft)
405.31	0.0	0	407.91	7.7
405.36	0.0	2	407.96	7.8
405.41	0.1	5	408.01	8.0
405.46	0.1	9	408.06	8.1
405.51	0.2	14	408.11	8.3
405.56	0.3	19	408.16	8.4
405.61	0.4	25	408.21	8.5
405.66	0.5	32	408.26	8.7
405.71	0.6	38	408.31	8.8
405.76	0.7	46	408.36	8.9
405.81	8.0	53	408.41	9.0
405.86	1.0	61	408.46	9.1
405.91	1.1	69	408.51	9.2
405.96	1.2	78	408.56	9.3
406.01	1.4	86	408.61	9.4
406.06	1.5	95	408.66	9.5
406.11	1.7	104	408.71	9.5
406.16 406.21	1.8	114	408.76	9.6
406.21	2.0 2.1	123 133	408.81	9.6
406.20	2.1	143		
406.36	2.3	153		
406.41	2.4	163		
406.46	2.8	173		
406.51	2.9	184		
406.56	3.1	194		
406.61	3.3	205		
406.66	3.4	216		
406.71	3.6	226		
406.76	3.8	237		
406.81	3.9	248		
406.86	4.1	259		
406.91	4.3	270		
406.96	4.5	281		
407.01	4.6	292		
407.06	4.8	303		
407.11	5.0	314		
407.16	5.2	325		
407.21	5.3	336		
407.26 407.31	5.5 5.7	347 358		
407.31	5.7 5.9	369		
407.41	6.0	380		
407.46	6.2	390		
407.51	6.4	401		
407.56	6.5	412		
407.61	6.7	422		
407.66	6.9	433		
407.71	7.0	443		
407.76	7.2	453		
407.81	7.4	463		
407.86	7.5	473		

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Summary for Pond Pond: Regional Detention Basin

Inflow Area = 1,372,542 sf, 6.70% Impervious, Inflow Depth = 0.50" for 25-yr event

0.25 hrs, Volume= Inflow 62.24 cfs @ 57,321 cf

Outflow 0.30 hrs, Volume= 57,371 cf, Atten= 22%, Lag= 2.9 min 48.70 cfs @

Primary 48.70 cfs @ 0.30 hrs, Volume= 57,371 cf

Routing by Stor-Ind method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Peak Elev= 405.36' @ 0.30 hrs Storage= 9,099 cf

Plug-Flow detention time= 2.1 min calculated for 57,180 cf (100% of inflow)

Center-of-Mass det. time= 2.1 min (17.0 - 14.8)

Volume	Invert	Avail.Storage	Storage Description
#1	401.00'	12,812 cf	Custom Stage Data Listed below

Cum.Store
(cubic-feet)
0
103
803
2,704
7,038
12,812

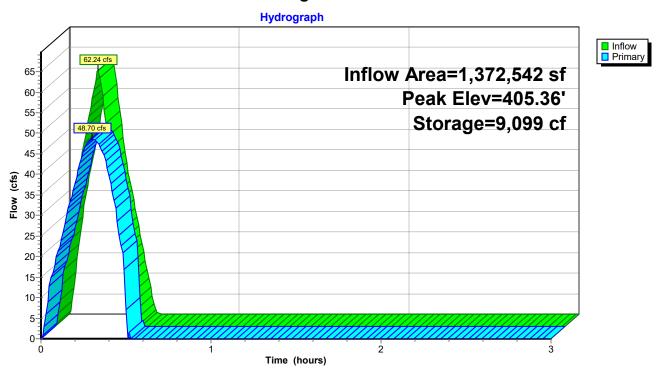
Device	Routing	Invert	Outlet Devices
#1	Primary	400.10'	24.0" Round RCP_Round 24"
	•		L= 100.0' RCP, end-section conforming to fill, Ke= 0.500
			Inlet / Outlet Invert= 400.10' / 397.97' S= 0.0213 '/' Cc= 0.900
			n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf
#2	Primary	403.02'	24.0" Round RCP_Round 24"
			L= 35.0' RCP, end-section conforming to fill, Ke= 0.500
			Inlet / Outlet Invert= 403.02' / 401.73' S= 0.0369 '/' Cc= 0.900
			n= 0.013 Concrete pipe, bends & connections, Flow Area= 3.14 sf
#3	Primary	405.69'	2.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)

Primary OutFlow Max=48.68 cfs @ 0.30 hrs HW=405.35' (Free Discharge)

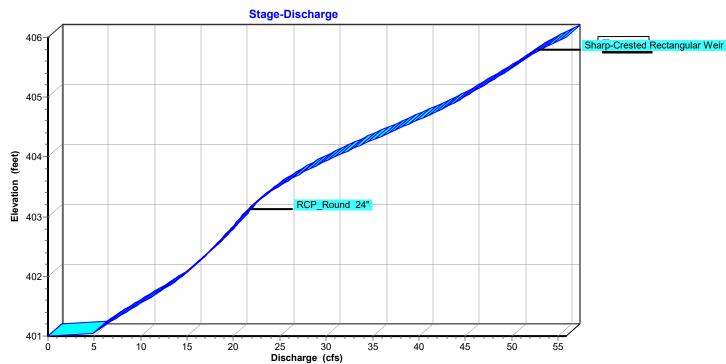
—1=RCP_Round 24" (Inlet Controls 31.20 cfs @ 9.93 fps) —2=RCP_Round 24" (Inlet Controls 17.48 cfs @ 5.56 fps)

-3=Sharp-Crested Rectangular Weir (Controls 0.00 cfs)

Pond Pond: Regional Detention Basin



Pond Pond: Regional Detention Basin



Stage-Area-Storage for Pond Pond: Regional Detention Basin

	<u>.</u> .	l =,	<u>.</u> .
Elevation	Storage	Elevation	Storage
(feet)	(cubic-feet)	(feet)	(cubic-feet)
401.00	0	403.60	1,944
401.05	5	403.65	2,039
401.10 401.15	10 15	403.70 403.75	2,134 2,229
401.13	21	403.75	2,229
401.25	26	403.85	2,419
401.30	31	403.90	2,514
401.35	36	403.95	2,609
401.40	41	404.00	2,704
401.45	46	404.05	2,921
401.50	52	404.10	3,137
401.55	57	404.15	3,354
401.60	62	404.20	3,571
401.65	67	404.25	3,788
401.70	72	404.30	4,004
401.75	77	404.35	4,221
401.80	82	404.40	4,438
401.85	88	404.45	4,654
401.90	93	404.50	4,871
401.95 402.00	98 103	404.55 404.60	5,088 5,204
402.05	138	404.65	5,304 5,521
402.10	173	404.70	5,738
402.15	208	404.75	5,955
402.20	243	404.80	6,171
402.25	278	404.85	6,388
402.30	313	404.90	6,605
402.35	348	404.95	6,821
402.40	383	405.00	7,038
402.45	418	405.05	7,327
402.50	453	405.10	7,615
402.55	488	405.15	7,904
402.60	523	405.20	8,193
402.65 402.70	558 503	405.25	8,482
402.70	593 628	405.30 405.35	8,770 9,059
402.73	663	405.40	9,348
402.85	698	405.45	9,636
402.90	733	405.50	9,925
402.95	768	405.55	10,214
403.00	803	405.60	10,502
403.05	898	405.65	10,791
403.10	993	405.70	11,080
403.15	1,088	405.75	11,369
403.20	1,183	405.80	11,657
403.25	1,278	405.85	11,946
403.30	1,373	405.90	12,235
403.35	1,468	405.95	12,523
403.40	1,563	406.00	12,812
403.45 403.50	1,658 1,754		
403.55	1,754		
∓00.00	1,040		
	!	1	

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Summary for Subcatchment ARDOT: ARDOT Offsite

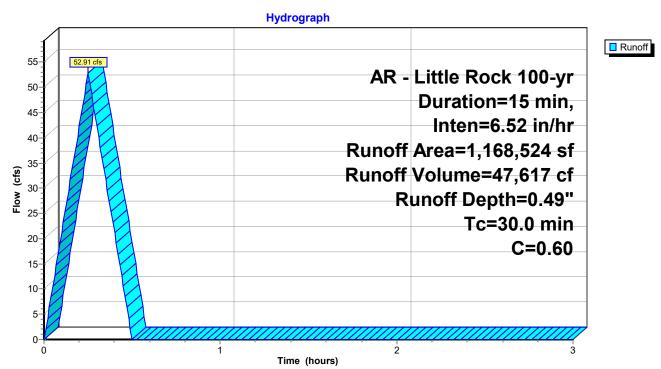
Runoff = 52.91 cfs @ 0.25 hrs, Volume= 47,617 cf, Depth= 0.49"

Routed to Reach A1: Pipe A1

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 100-yr Duration=15 min, Inten=6.52 in/hr

_	Α	rea (sf)	С	Description	1	
	1,1	68,524	0.60			
	1,168,524 100.00% Pervious Area					
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
_	30.0					Direct Entry,

Subcatchment ARDOT: ARDOT Offsite



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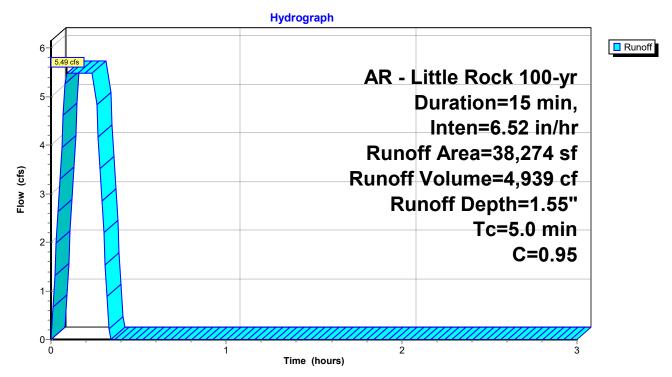
Summary for Subcatchment M&F: Merchants and Farmers

Runoff = 5.49 cfs @ 0.09 hrs, Volume= 4,939 cf, Depth= 1.55" Routed to Reach A2 : Pipe A2

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 100-yr Duration=15 min, Inten=6.52 in/hr

_	Α	rea (sf)	С	Description	Description					
		38,274	0.95	Developed	Developed Site					
		38,274		100.00% Impervious Area						
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description				
-	5.0		•	,	, ,	Direct Entry				

Subcatchment M&F: Merchants and Farmers



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Summary for Subcatchment SR: Springhill Retail Post

Runoff = 5.39 cfs @ 0.09 hrs, Volume=

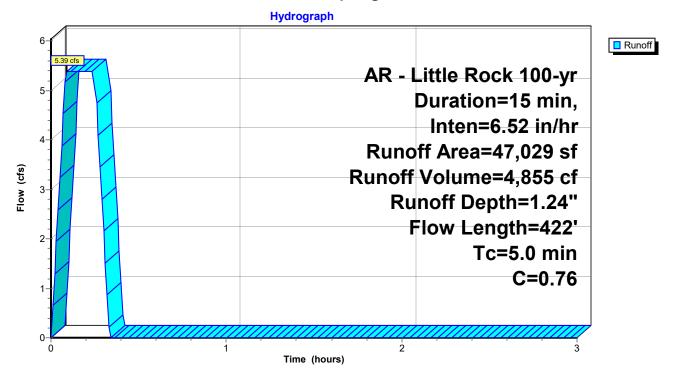
4,855 cf, Depth= 1.24"

Routed to Pond Pond : Regional Detention Basin

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 100-yr Duration=15 min, Inten=6.52 in/hr

A	rea (sf)	С	Description	1	
	1,511	0.86	Existing Dr	ive	
	33,632	0.92	Drives, Ro	of, Sidewall	KS
	11,886	0.30	Landscape	d Areas	
	47,029	0.76	Weighted A		
	47,029		100.00% P	ervious Are	ea
_		01		.	
Tc	Length	Slope	•	Capacity	Description
<u>(min)</u>	(feet)	(ft/ft)	(ft/sec)	(cfs)	
8.0	82	0.0290	1.76		Sheet Flow, Asphalt Sheet Flow
					Smooth surfaces n= 0.011 P2= 4.19"
8.0	87	0.0080	1.82		Shallow Concentrated Flow, Gutter
					Paved Kv= 20.3 fps
0.1	19	0.0210	2.94		Shallow Concentrated Flow, Concentrated Pavement Flow
					Paved Kv= 20.3 fps
1.0	197	0.0250	3.21		Shallow Concentrated Flow, Gutter
					Paved Kv= 20.3 fps
0.3	37	0.0130	2.31		Shallow Concentrated Flow, Gutter
					Paved Kv= 20.3 fps
2.0					Direct Entry, Minimum adjustment
5.0	422	Total			

Subcatchment SR: Springhill Retail Post



Summary for Subcatchment WestProp: West Adjacent Property Drainage Basin

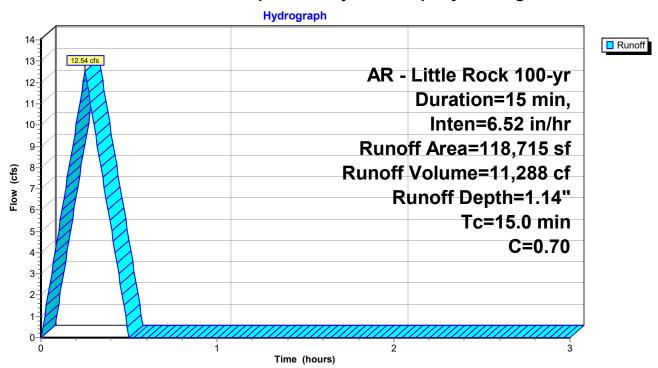
Runoff = 12.54 cfs @ 0.25 hrs, Volume= 11,288 cf, Depth= 1.14"

Routed to Reach A3: Pipe A2

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs AR - Little Rock 100-yr Duration=15 min, Inten=6.52 in/hr

_	Α	rea (sf)	С	Description	Description					
_		65,063	0.50	Pervious A	Pervious Areas					
_		53,652	0.95	Rooftop/Pa	Rooftop/Paving					
_	1	18,715	0.70	Weighted /	Weighted Average					
		65,063		54.81% Pe	rvious Area	ea				
		53,652		45.19% Impervious Area						
	Тс	Length	Slope	Velocity	Capacity	Description				
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)					
	15.0					Direct Entry.				

Subcatchment WestProp: West Adjacent Property Drainage Basin



Summary for Reach A1: Pipe A1

Inflow Area = 1,168,524 sf, 0.00% Impervious, Inflow Depth = 0.49" for 100-yr event

Inflow = 52.91 cfs @ 0.25 hrs, Volume= 47,617 cf

Outflow = 52.81 cfs @ 0.25 hrs, Volume= 47,619 cf, Atten= 0%, Lag= 0.0 min

Routed to Reach A2: Pipe A2

Routing by Stor-Ind+Trans method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Max. Velocity= 14.49 fps, Min. Travel Time= 0.0 min

Avg. Velocity = 11.28 fps, Avg. Travel Time= 0.0 min

Peak Storage= 44 cf @ 0.25 hrs

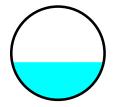
Average Depth at Peak Storage= 1.42', Surface Width= 3.44' Bank-Full Depth= 3.50' Flow Area= 9.6 sf, Capacity= 153.68 cfs

42.0" Round Pipe

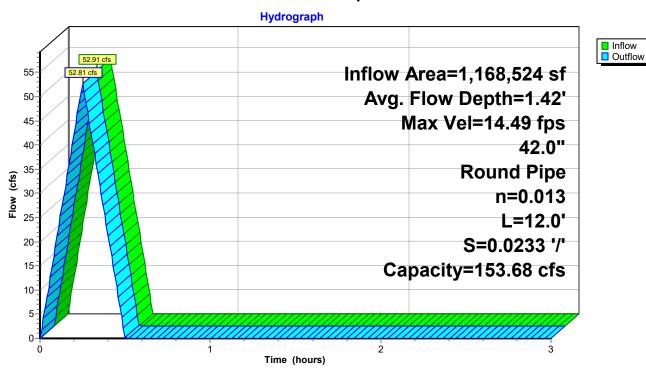
n= 0.013 Concrete pipe, bends & connections

Length= 12.0' Slope= 0.0233 '/'

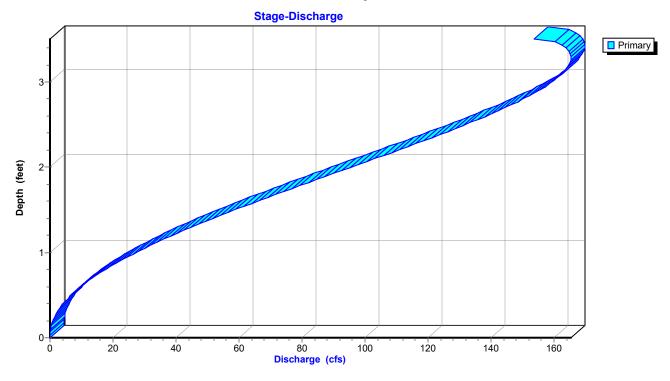
Inlet Invert= 413.00', Outlet Invert= 412.72'



Reach A1: Pipe A1



Reach A1: Pipe A1



Stage-Area-Storage for Reach A1: Pipe A1

	End-Area	Storage		End-Area	Storage
(feet)	(sq-ft)	(cubic-feet)	(feet)	(sq-ft)	(cubic-feet)
413.00	0.0	0	415.60	7.7	92
413.05	0.0	0	415.65	7.8	94
413.10	0.1 0.1	1 2	415.70	8.0 8.1	96 97
413.15 413.20	0.1	3	415.75 415.80	8.3	99
413.25	0.2	4	415.85	8.4	101
413.30	0.4	5	415.90	8.5	102
413.35	0.5	6	415.95	8.7	104
413.40	0.6	7	416.00	8.8	105
413.45	0.7	9	416.05	8.9	107
413.50	0.8	10	416.10	9.0	108
413.55	1.0	12	416.15	9.1	109
413.60	1.1	13	416.20	9.2	111
413.65	1.2	15	416.25	9.3	112
413.70	1.4	16	416.30	9.4	113
413.75	1.5	18	416.35	9.5	114
413.80	1.7	20	416.40	9.5	115
413.85 413.90	1.8	22	416.45	9.6	115
413.90	2.0 2.1	23 25	416.50	9.6	115
414.00	2.1	23 27			
414.05	2.4	29			
414.10	2.6	31			
414.15	2.8	33			
414.20	2.9	35			
414.25	3.1	37			
414.30	3.3	39			
414.35	3.4	41			
414.40	3.6	43			
414.45	3.8	45			
414.50	3.9	47			
414.55 414.60	4.1 4.3	49 51			
414.65	4.5 4.5	54			
414.70	4.6	56			
414.75	4.8	58			
414.80	5.0	60			
414.85	5.2	62			
414.90	5.3	64			
414.95	5.5	66			
415.00	5.7	68			
415.05	5.9	70			
415.10	6.0	72			
415.15	6.2	74 76			
415.20 415.25	6.4 6.5	76 78			
415.25	6.7	80			
415.35	6.9	82			
415.40	7.0	84			
415.45	7.2	86			
415.50	7.4	88			
415.55	7.5	90			
			I		

Summary for Reach A2: Pipe A2

Inflow Area = 1,206,798 sf, 3.17% Impervious, Inflow Depth = 0.52" for 100-yr event

Inflow = 58.30 cfs @ 0.25 hrs, Volume= 52,558 cf

Outflow = 57.39 cfs @ 0.26 hrs, Volume= 52,558 cf, Atten= 2%, Lag= 0.4 min

Routed to Reach A3: Pipe A2

Routing by Stor-Ind+Trans method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs Max. Velocity= 16.60 fps, Min. Travel Time= 0.2 min

Avg. Velocity = 9.39 fps, Avg. Travel Time= 0.2 min

Peak Storage= 779 cf @ 0.25 hrs

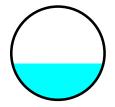
Average Depth at Peak Storage= 1.37', Surface Width= 3.42' Bank-Full Depth= 3.50' Flow Area= 9.6 sf, Capacity= 179.25 cfs

42.0" Round Pipe

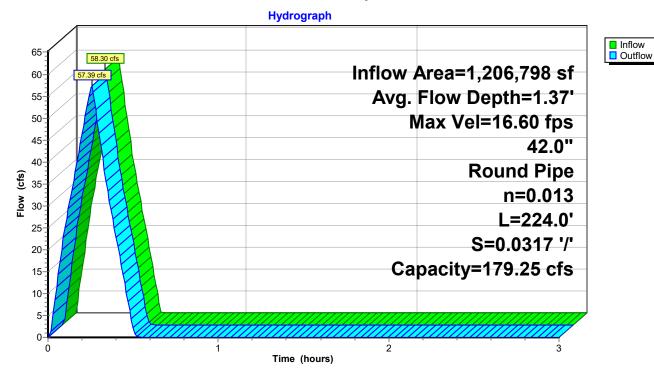
n= 0.013 Concrete pipe, bends & connections

Length= 224.0' Slope= 0.0317 '/'

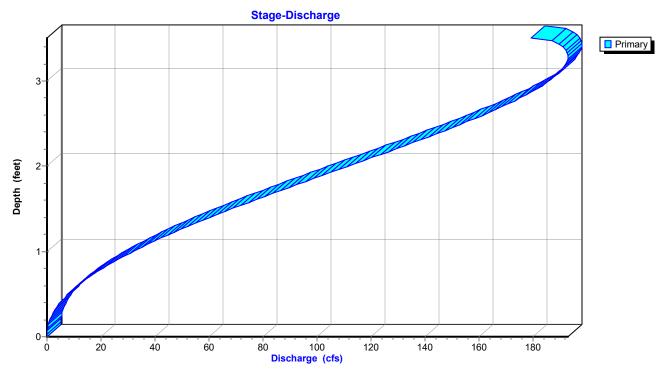
Inlet Invert= 412.52', Outlet Invert= 405.41'



Reach A2: Pipe A2



Reach A2: Pipe A2



Stage-Area-Storage for Reach A2: Pipe A2

		J	J		•
Elevation		Storage	Elevation		Storage
(feet)	(sq-ft)	(cubic-feet)	(feet)	(sq-ft)	(cubic-feet)
412.52	0.0	0	415.12	7.7	1,717
412.57	0.0	6	415.17	7.8	1,751
412.62	0.1	18	415.22	8.0	1,784
412.67	0.1	32	415.27	8.1	1,816
412.72	0.2	49	415.32	8.3	1,848
412.77	0.3	68	415.37	8.4	1,879
412.82		90		8.5	
	0.4		415.42		1,909
412.87	0.5	112	415.47	8.7	1,938
412.92	0.6	136	415.52	8.8	1,966
412.97	0.7	162	415.57	8.9	1,993
413.02	8.0	189	415.62	9.0	2,019
413.07	1.0	217	415.67	9.1	2,043
413.12	1.1	246	415.72	9.2	2,066
413.17	1.2	276	415.77	9.3	2,087
413.22	1.4	307	415.82	9.4	2,106
413.27	1.5	339	415.87	9.5	2,123
413.32	1.7	371	415.92	9.5	2,138
413.37	1.8	404	415.97	9.6	2,149
413.42	2.0	438	416.02	9.6	2,155
413.47	2.1	473			
413.52	2.3	508			
413.57	2.4	544			
413.62	2.6	580			
413.67	2.8	617			
413.72	2.9	654			
413.77	3.1	691			
413.82	3.3	729			
413.87	3.4	767			
413.92	3.6	805			
413.97	3.8	844			
414.02	3.9	882			
414.07	4.1	921			
	4.3				
414.12		960			
414.17	4.5	999			
414.22	4.6	1,038			
414.27	4.8	1,078			
414.32	5.0	1,117			
414.37	5.2	1,156			
414.42	5.3	1,195			
414.47	5.5	1,234			
414.52	5.7	1,273			
414.57	5.9	1,312			
414.62	6.0	1,350			
414.67	6.2	1,388			
414.72	6.4	1,426			
414.77	6.5	1,464			
414.82	6.7	1,502			
	6.9	1,539			
414.87					
414.92	7.0	1,575			
414.97	7.2	1,611			
415.02	7.4	1,647			
415.07	7.5	1,682			

Springhill Retail

Prepared by Phillip Lewis Engineering

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Summary for Reach A3: Pipe A2

Inflow Area = 1,325,513 sf, 6.94% Impervious, Inflow Depth = 0.58" for 100-yr event

Inflow = 69.72 cfs @ 0.25 hrs, Volume= 63,846 cf

Outflow = 69.58 cfs @ 0.26 hrs, Volume= 63,846 cf, Atten= 0%, Lag= 0.1 min

Routed to Pond Pond: Regional Detention Basin

Routing by Stor-Ind+Trans method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Max. Velocity= 17.63 fps, Min. Travel Time= 0.1 min

Avg. Velocity = 9.81 fps, Avg. Travel Time= 0.1 min

Peak Storage= 249 cf @ 0.26 hrs

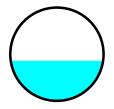
Average Depth at Peak Storage= 1.50', Surface Width= 3.46' Bank-Full Depth= 3.50' Flow Area= 9.6 sf, Capacity= 181.93 cfs

42.0" Round Pipe

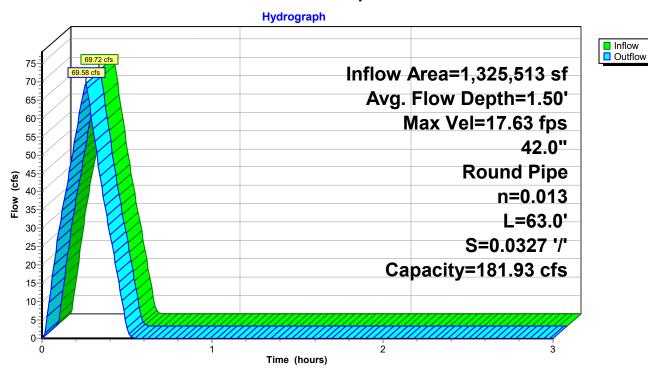
n= 0.013 Concrete pipe, bends & connections

Length= 63.0' Slope= 0.0327 '/'

Inlet Invert= 405.31', Outlet Invert= 403.25'

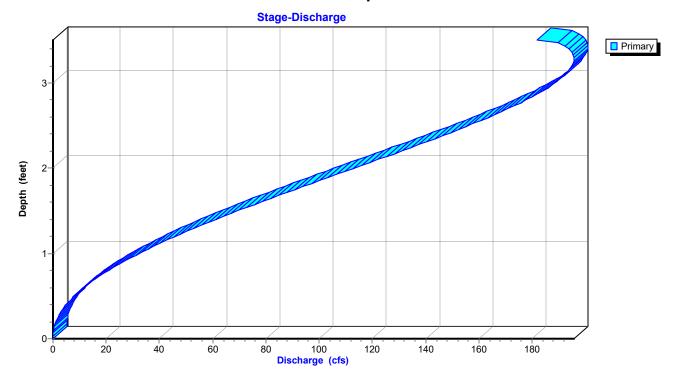


Reach A3: Pipe A2



Springhill Retail AR - Little Rock 100-yr De Prepared by Phillip Lewis Engineering HydroCAD® 10.20-2f s/n 12520 © 2022 HydroCAD Software Solutions LLC

Reach A3: Pipe A2



Storage

483

492

502

511 520

529

537

545

553

561

568

575

581

587

592

597

601

604 606

(cubic-feet)

Stage-Area-Storage for Reach A3: Pipe A2

Elevation (feet)	End-Area (sq-ft)	Storage (cubic-feet)	Elevation (feet)	End-Area (sq-ft)
405.31	0.0	0	407.91	7.7
405.36	0.0	2	407.96	7.8
405.41	0.1	5	408.01	8.0
405.46	0.1	9	408.06	8.1
405.51	0.2	14	408.11	8.3
405.56	0.3	19	408.16	8.4
405.61	0.4	25	408.21	8.5
405.66	0.5	32	408.26	8.7
405.71	0.6	38	408.31	8.8
405.76	0.7	46	408.36	8.9
405.81	0.8	53	408.41	9.0
405.86	1.0 1.1	61 69	408.46	9.1 9.2
405.91 405.96	1.1	78	408.51 408.56	9.2
405.96	1.4	76 86	408.61	9.3
406.06	1.5	95	408.66	9.5
406.11	1.7	104	408.71	9.5
406.16	1.8	114	408.76	9.6
406.21	2.0	123	408.81	9.6
406.26	2.1	133		0.0
406.31	2.3	143		
406.36	2.4	153		
406.41	2.6	163		
406.46	2.8	173		
406.51	2.9	184		
406.56	3.1	194		
406.61	3.3	205		
406.66	3.4	216		
406.71	3.6	226		
406.76	3.8	237		
406.81	3.9	248		
406.86 406.91	4.1 4.3	259 270		
406.96	4.5 4.5	281		
407.01	4.6	292		
407.06	4.8	303		
407.11	5.0	314		
407.16	5.2	325		
407.21	5.3	336		
407.26	5.5	347		
407.31	5.7	358		
407.36	5.9	369		
407.41	6.0	380		
407.46	6.2	390		
407.51	6.4	401		
407.56	6.5	412		
407.61 407.66	6.7 6.9	422 433		
407.00	6.9 7.0	443		
407.71	7.0	453		
407.70	7.2 7.4	463		
407.86	7.5	473		

Springhill Retail

Prepared by Phillip Lewis Engineering

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Summary for Pond Pond: Regional Detention Basin

Inflow Area = 1,372,542 sf, 6.70% Impervious, Inflow Depth = 0.60" for 100-yr event

0.25 hrs, Volume= Inflow 74.65 cfs @ 68.701 cf

Outflow 0.30 hrs, Volume= 68,780 cf, Atten= 20%, Lag= 2.8 min 59.88 cfs @

Primary 59.88 cfs @ 0.30 hrs, Volume= 68,780 cf

Routing by Stor-Ind method, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs

Peak Elev= 406.27' @ 0.30 hrs Storage= 12,812 cf

Plug-Flow detention time= 2.7 min calculated for 68,552 cf (100% of inflow)

Center-of-Mass det. time= 2.7 min (17.5 - 14.8)

Volume	Invert	Avail.Storage	Storage Description
#1	401.00'	12,812 cf	Custom Stage Data Listed below
Elevation	Cum St	ore	

Elevation	Cum.Store
(feet)	(cubic-feet)
401.00	0
402.00	103
403.00	803
404.00	2,704
405.00	7,038
406.00	12,812

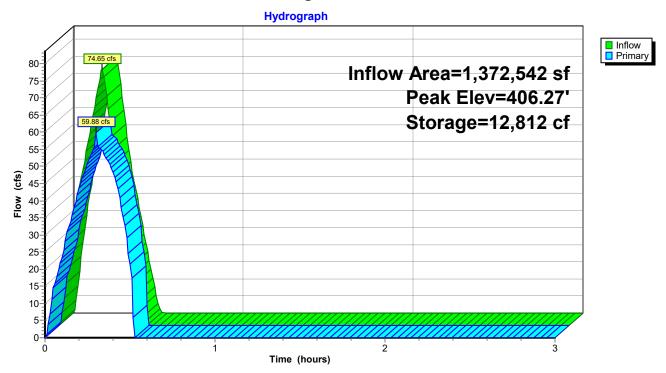
Device	Routing	Invert	Outlet Devices
#1	Primary	400.10'	24.0" Round RCP_Round 24"
			L= 100.0' RCP, end-section conforming to fill, Ke= 0.500
			Inlet / Outlet Invert= 400.10' / 397.97' S= 0.0213 '/' Cc= 0.900
			n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf
#2	Primary	403.02'	24.0" Round RCP_Round 24"
			L= 35.0' RCP, end-section conforming to fill, Ke= 0.500
			Inlet / Outlet Invert= 403.02' / 401.73' S= 0.0369 '/' Cc= 0.900
			n= 0.013 Concrete pipe, bends & connections, Flow Area= 3.14 sf
#3	Primary	405.69'	2.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)

Primary OutFlow Max=59.82 cfs @ 0.30 hrs HW=406.27' (Free Discharge)

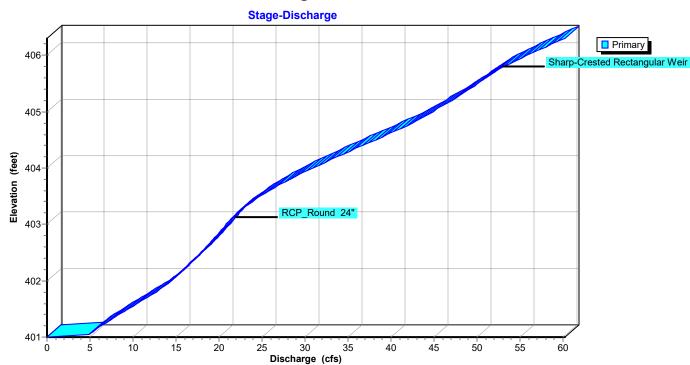
—1=RCP_Round 24" (Inlet Controls 34.40 cfs @ 10.95 fps) —2=RCP_Round 24" (Inlet Controls 22.69 cfs @ 7.22 fps)

-3=Sharp-Crested Rectangular Weir (Weir Controls 2.73 cfs @ 2.49 fps)

Pond Pond: Regional Detention Basin



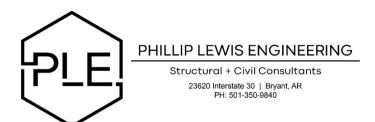
Pond Pond: Regional Detention Basin



Prepared by Phillip Lewis Engineering
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Stage-Area-Storage for Pond Pond: Regional Detention Basin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
401.00		403.60	1,944	406.20	
401.05	0 5	403.65		406.20	12,812 12,812
401.03		403.03	2,039		12,812
401.10 401.15	10 15		2,134 2,229	406.30	12,012
	21	403.75 403.80			
401.20 401.25	26	403.85	2,324		
401.25	31	403.83	2,419 2,514		
401.35	36	403.95	2,609		
401.40	41	404.00	2,704		
401.45	46	404.05	2,704		
401.50	52	404.10	3,137		
401.55	57	404.15	3,354		
401.60	62	404.20	3,571		
401.65	67	404.25	3,788		
401.70	72	404.30	4,004		
401.75	77	404.35	4,221		
401.80	82	404.40	4,438		
401.85	88	404.45	4,654		
401.90	93	404.50	4,871		
401.95	98	404.55	5,088		
402.00	103	404.60	5,304		
402.05	138	404.65	5,521		
402.10	173	404.70	5,738		
402.15	208	404.75	5,955		
402.20	243	404.80	6,171		
402.25	278	404.85	6,388		
402.30	313	404.90	6,605		
402.35	348	404.95	6,821		
402.40	383	405.00	7,038		
402.45	418	405.05	7,327		
402.50	453	405.10	7,615		
402.55	488	405.15	7,904		
402.60	523	405.20	8,193		
402.65	558	405.25	8,482		
402.70	593	405.30	8,770		
402.75	628	405.35	9,059		
402.80	663	405.40	9,348		
402.85	698	405.45	9,636		
402.90	733	405.50	9,925		
402.95	768	405.55	10,214		
403.00	803	405.60	10,502		
403.05	898	405.65	10,791		
403.10	993	405.70	11,080		
403.15	1,088	405.75	11,369		
403.20	1,183	405.80	11,657		
403.25	1,278	405.85	11,946		
403.30 403.35	1,373	405.90 405.05	12,235		
403.35	1,468 1 563	405.95 406.00	12,523 12,812		
403.40	1,563 1,658	406.00	12,812		
403.45	1,754	406.05	12,812		
403.55	1,849	406.15	12,812		
	.,5.5		. 2,0 . 2		
				•	



May 23, 2024

Colton Leonard Community Development Community development Director cleonard@cityofbryant.com

RE: Springhill Retail

To whom it may concern,

Please accept this letter as our response to the planning/engineering comments regarding the Springhill Retail development. We are requesting to be placed on the next upcoming DRC agenda. Please find our comment responses below.

Public Works

- 1. Show sewer connection and water connection.
- A Utility Plan has been added to the plan set.

Stormwater

- 1. Ownership of the drainage ditch; Surface and roof water from adjoining sites drains to the ditch. The ditch contains decades of old drainage pipe ranging from ductile iron to corrugated metal.
- ➤ This drainage ditch will be changed to a single 38″x60″ elliptical culvert with junction boxes to capture all surrounding areas currently draining to this ditch. Please reference the attached drainage narrative.
- 2. How will the stormwater water be detained?
- After speaking with representatives of the Stormwater Division, we agreed to excavate and enlarge the southern "regional ponding area" to account for the increased discharge from this development.
- 3. A choke point exists at the Springhill II building complex, drainage from the site and multiple locations including Hwy 5 are all being moved to a 24" inch pipe.
- This 24" culvert will become the "outlet control structure" for the newly enlarged ponding area.

Engineering

- 1. Show culvert at entrance to tract
- > The location of the existing ARDOT culvert is shown on the "Overall Drainage Plan."
 - 2. How is existing storm pipe in northwest corner tied to new 48" storm pipe, or is it?
- The new culvert is not connected to the ARDOT culvert. There is approximately 65 feet between flared ends.
 - 3. Show impact of flows on downstream infrastructure.

- > Drainage calculations have been included in the attached drainage narrative.
- 4. Show drainage calculations to support culvert sizing and lack of detention.
 - Drainage calculations have been included in the attached drainage narrative.

Com Dev

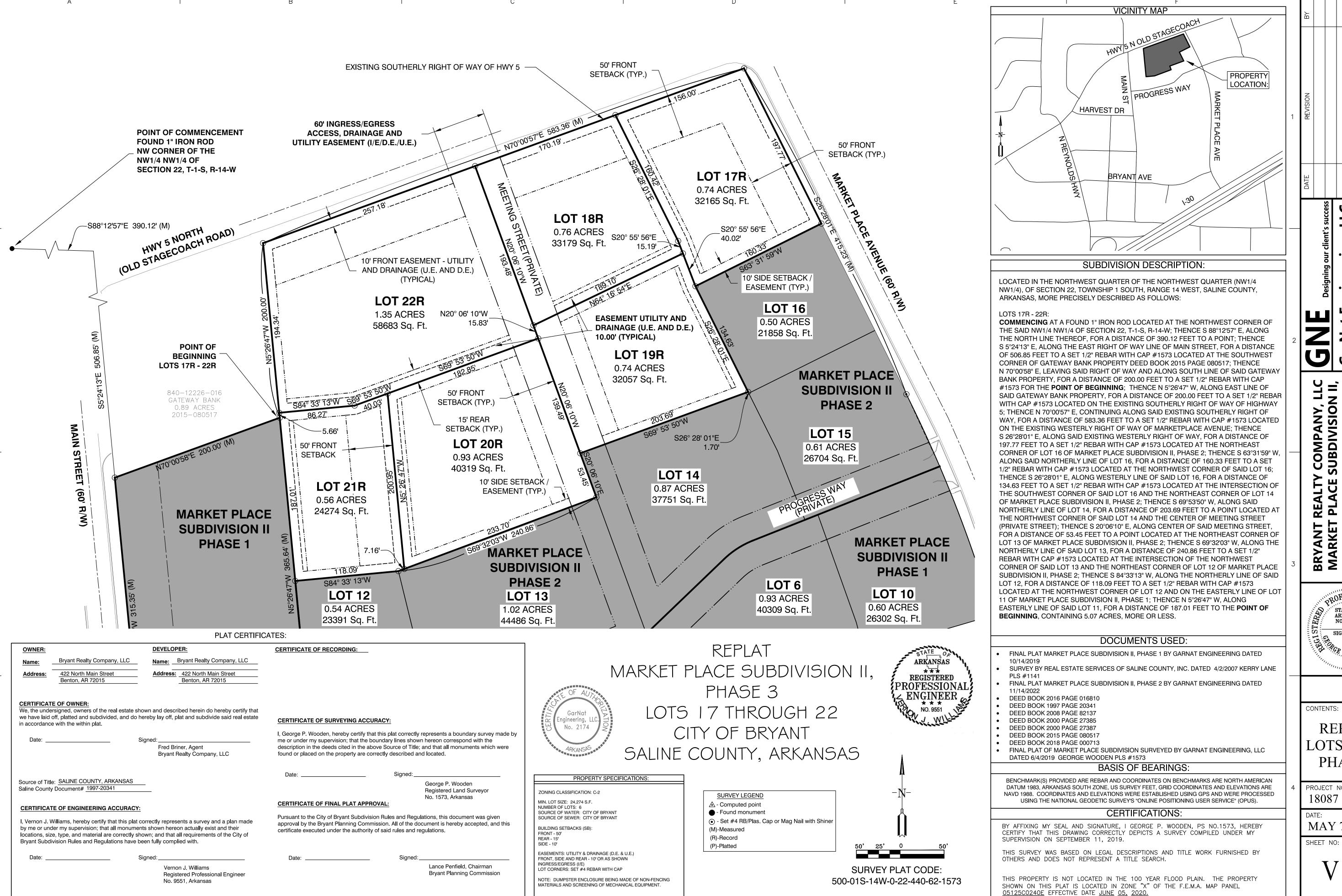
- 1. Provide a landscape plan for the site
- A landscape plan has been added to the plan set.
- 2. Fix the verbiage on the plat for the Lots/Tracts. They are each called a different name.
- Corrected
- 3. On Plat Approval Signature Line, Change the title to Bryant Planning Commission Chairman
- Corrected
- 4. Show Utility Connections/ Utility Plan
- A Utility Plan has been added to the plan set.
- 5. Final Plat fee \$27
- Acknowledged
- 6. Discuss Master Pedestrian Plan For Site. Plan Shows Multi-Use trail along this property.
- It was my understanding this item was removed per discussions with the DRC.

Fire

- 1. Discuss fire hydrant addition for the complex. Maximum distance between hydrants is 500'
- There is an existing hydrant located east of the Merchants & Farmers entrance on Highway 5. This is shown on the utility plan.

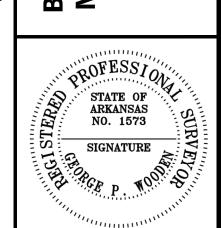
This letter accompanies a revised civil plan set, architectural renderings, revised replat of the existing lot, and a drainage summary.

If you have any questions, please give me a call. Sincerely, Phillip Lewis, P.E. 501-350-9840



ering,

COMPANY, LLC SUBDIVISION II,



CONTENTS:

REPLAT LOTS 17 - 22 PHASE 3

PROJECT NO: 18087

DATE: MAY 7, 2024



Subdivision Checklist

MARKET PLACE II PHASE 3 - REPLAT

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

MARKET PLACE I SUBDIVISION, PHASE 3
Subdivision/Project Name REPLAT LOTS 17 THROUGH 2Z
Contact Person VERNON WILLIAMS Phone (SOI) 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 C-Z
- A 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
- 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
- ▲ 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)
MARKET PLACE II PHASE 3 Name of Subdivision 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. Owner Signature Engineer Signature
CITY USE
Preliminary Plat Approved
Planning Commission Date
Final Plat Approved
Planning Commission Date
Proof of Recording - County County Clerk Date
County Clerk Date



3825 Mt Carmel Rd. Bryant, AR 72022

GarNat Engineering, LLC

P.O. Box 116 Benton, AR 72018

May 7, 2024

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

Re: Replat – Market Place II Subdivision Phase 3 Lots 17 through 22

Dear Mr. Leonard:

Please allow this letter and following list of enclosures to serve as my application for approval of the referenced replat. It is my desire that this matter be included on the agenda for your June 10, 2024 City of Bryant Planning Commission meeting. The developer for the project is Bryant Realty Company, LLC, 422 North Main Street, Benton, Arkansas 72015 bferg620@gmail.com (501) 840-2282.

List of Enclosures

- Replat
- Bryant Subdivision Checklist

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