

Harnett County Environmental Health

File/Permit Number: EH2209-0012

CONSTRUCTION AUTHORIZATION

County: Harnett PIN/Lot Identifier: _____

Owner: Henry Alanco Applicant: Henry Alanco

Property Location: 80 DOUNBEE DR FIV. N.C. 27526

Facility Type: Existing SFD

Number of bedrooms: 3 Number of Occupants: 6 Other: _____

New Expansion Repair System Relocation Change of Use
Basement? Yes No Basement Fixtures? Yes No
Crawl Space? Yes No Slab Foundation? Yes No

Type of Wastewater System* _____ (Initial) _____ (Repair)

*Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII

Design Daily Flow: 360 GPD Wastewater Strength: Domestic High Strength Industrial Process Wastewater

Rule .0403(e) Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies (S.L. 2013-413 and 2014-120)? Yes No
(if yes, please provide engineering documentation)

Effluent Standard: DSE HSE NSF/ANSI 40 TS-I TS-II RCW

Type of Water Supply: Private well Public well Shared well Municipal Supply Spring Other: _____

Installation Requirements/Conditions

Septic Tank Size: 1600^{Est} gallons Total Trench/Bed Length: 44 45 PPBS feet Trench/Bed Spacing: _____ feet on center

Trench/Bed Width: _____ inches LTAR: _____ gpd/ft² Usable Depth to LC (Initial)*: _____ ^{*Limiting condition}

Soil Cover: _____ inches Slope Corrected Maximum Trench/Bed Depth†: _____ inches ^{† Measured on the downhill side of the trench}

Pump Tank Size (if applicable): _____ gallons Requires more than one pump? Yes No

Pump Requirements: _____ ft. TDH vs. _____ GPM Grease Trap Size (if applicable): _____ gallons

Distribution Method: Serial D-Box or Parallel Pressure Manifold(s) LPP Other: _____

Artificial Drainage Required: Yes No If yes, please specify details: _____

Legal Agreements (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)

Multi-party Agreement Required [Rule .0204(g)]: Yes No

Easement, Right-of-Way, or Encroachment Agreement Required [Rule .0204(d)]: Yes No

Declaration of Restrictive Covenants: Yes No Pre-Construction Conference Required: Yes No

Management Entity Required: Yes No Minimum O&M Requirements: _____

Conditions:
Contractor to meet onsite prior to install.
Septic Tank to be investigated for leaks - Proper Drainage
From SFD around existing drainlines + tank

The requirements of 15A NCAC 18E are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached site sketch. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of 15A NCAC 18E, or 15A NCAC 18A .1900, as applicable, and to the conditions of this permit.

Authorized Agent's Printed Name: JAMES E. MANHART III Expiration Date: 9-5-25
Authorized Agent's Signature: James E. Manhart III Date: 9-5-24

Harnett County Environmental Health

SITE SKETCH

PIN _____

Permit Number EH 2209-0012

Henry Alanco
Applicant's Name

Avery Pond Cat 100
Subdivision/Section/Lot Number

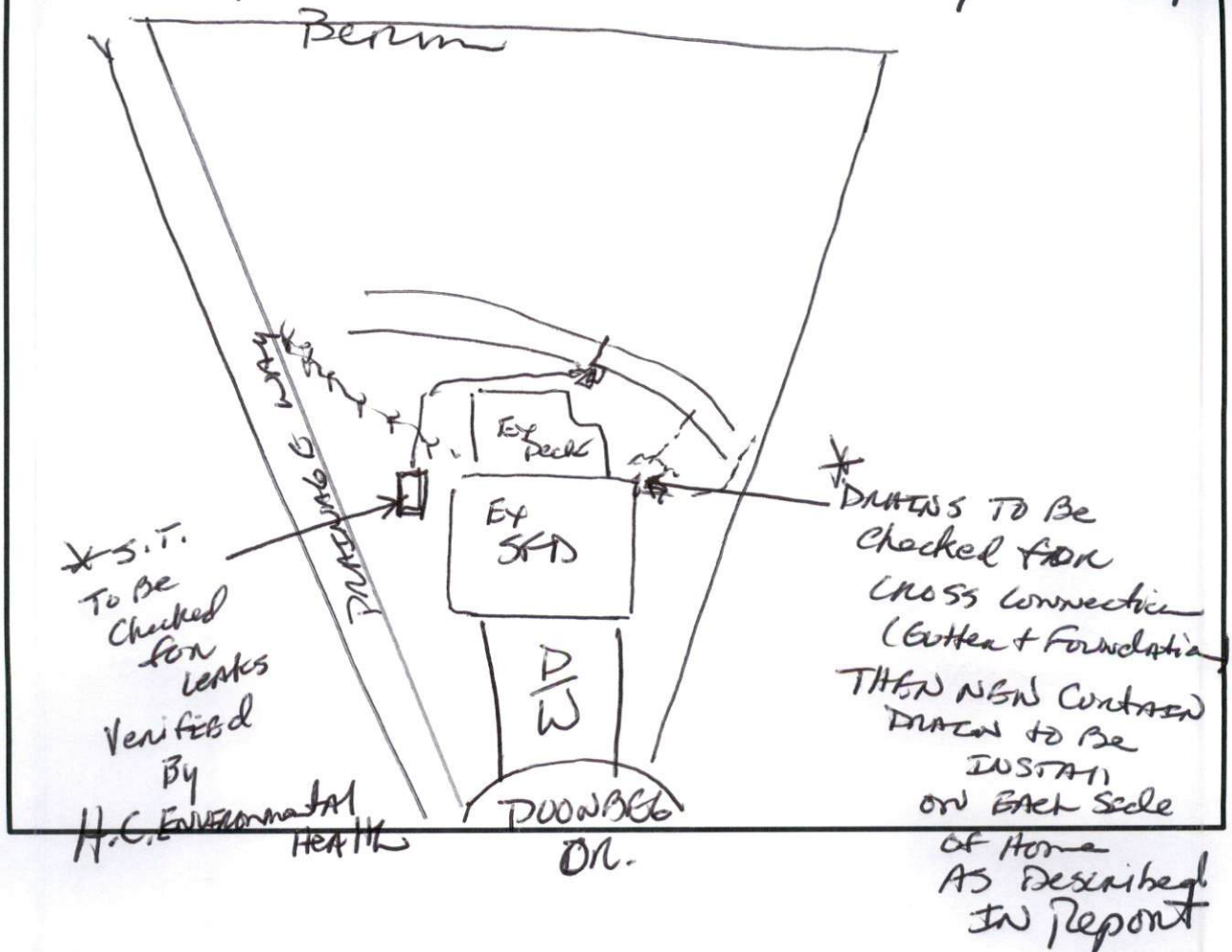
James J. Manhart
Authorized State Agent

9-5-24
Date

System components represent approximate contours only. The contractor must flag the system prior to beginning the installation to ensure that the proper grade is maintained.

Scale = _____

- * All suggestions from STATE OSWP TO BE FOLLOWED (STEP BY STEP)
- * Contractor to meet on site prior to install of any drains
- * Attached letter describes what is to occur in repair process
- * STEP BY STEP process to be followed exactly as in report.





NC DEPARTMENT OF
**HEALTH AND
HUMAN SERVICES**

ROY COOPER • Governor
KODY H. KINSLEY • Secretary
MARK BENTON • Chief Deputy Secretary for Health
SUSAN KANSAGRA • Assistant Secretary for Public Health
Division of Public Health

August 28, 2024

James E. Manhart III, Onsite Program Supervisor
Harnett County Environmental Health
307 Cornelius Harnett Blvd.
Lillington, NC 27546

Dear Jimmy,

On August 28th we visited the site located at 80 Doonbeg Drive, Lot 160 of the Avery Pond Subdivision, to assess malfunction of the existing wastewater system. This system is a repair of the initial system and consists of T&J Panel with 4 lines center-fed by a distribution box installed utilizing the area between the original trenches. A previous site visit is summarized in a letter to your office dated March 19th. No malfunction was noted today. The owner, Henry Alarco who was present today, continues to report sewage surfacing associated with rain events, and reports that the auger boring which was left to monitor for laterally moving ground water was filled to within 6 to 12 inches of the ground surface after rain events.


The owner requested review of a report by Marlin Septic dated May 30th. This report suggests the installation of a 3rd wastewater system consisting of T&J panel in the area below the existing system. One element of this proposal is to breach the diversion berm at the back of the property to improve surface drainage. As discussed with the property owner, this berm appears on the subdivision map on file at map book 2019 page 417 () as a "Permanent Diversion Berm" and appears to be part of the stormwater plan of the subdivision. Other concerns regarding flooding of the stormwater pond below the property were discussed, and the owner is seeking assistance with these issues. Harnett County falls under the authority of the Fayetteville Regional Office of the Department of Environmental Quality ((910)433-3300) and their stormwater program staff may be able to provide some assistance. Harnett County Planning/Zoning may also be able to assist with stormwater complaints.

Since evidence continues to suggest that surface and laterally moving sub-surface groundwater may be contributing to the malfunction, today's visit focused on redirecting this water. There is a cleanout above the system on the north property line which appears stormwater from the front gutters, and the owner reports that water from the lower gutters and foundation drain are discharged subsurface through a slotted pipe. This pipe is located immediately upslope of the uppermost trench. An additional solid pipe was located at the north-west (rear) corner of the pipe which seems to extend towards the uppermost trench. The owner reports that after occupying the home, water was noted in the crawlspace and this drain was installed to eliminate that water.

The following suggestions were reviewed today with the owner:

1. Evaluate the septic tank for any leaks.
2. Excavate around the north-west (rear) corner of the home to determine the outlet for the foundation, crawlspace, and gutter drains.
3. Install a subsurface interceptor drain at a minimum of 48 to 60-inches deep (depth will be determined by outlet elevation) which extends from the northwest (rear) corner of the home and incorporates all surface and subsurface drains from that side of the home. Design to be determined by the LHD and will include a barrier on the downslope side of the drain. A 10-foot setback is required between this drain and the septic system, and any intersection with the EZFlow trenches or other potential short-circuits must be addressed.
4. If needed, a second interceptor drain can be considered on the south side of the property. Since the owner is considering deck modification, I suggest that steps 1-3 be completed, and further work considered if needed.

As discussed today, all work is to be completed under your supervision. If I can provide any additional help with this site, please contact me at (910)974-0444.

Sincerely,

Teresa Davis, RSS
OSWP

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES • DIVISION OF PUBLIC HEALTH

LOCATION: 5605 SIX FORKS RD, RALEIGH NC 27609
MAILING ADDRESS: 1632 MAIL SERVICE CENTER, RALEIGH NC 27699-1632
www.ncdhhs.gov • TEL: 919-707-5854 • FAX: 919-845-3972

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER

PUBLIC PLAT DECLARATION

All roads in this subdivision are hereby declared public. The maintenance of all streets and roads in this subdivision shall be the responsibility of **LITTLE CROSS LLC** and it shall be their responsibility to bring such streets up to the standards of the North Carolina Department of Transportation before any streets on this plat are added into the North Carolina State Highway System. If the District Engineer has not recommended that the N.C. Department of Transportation accept maintenance responsibility for the required public road improvements by the time that the County has issued building permits for seventy-five percent (75%) of the lots shown on the recorded plat, the County shall not issue any more building permits until the District Engineer makes such a recommendation and formally notifies the Subdivision Administrator.

- NOTES:**
1. NEW IRON SET AT ALL CORNERS UNLESS OTHERWISE NOTED.
 2. ALL ROADS SHALL BE DEDICATED TO NORTH CAROLINA DEPARTMENT OF TRANSPORTATION.
 3. ALL DRAINAGE EASEMENTS CROSSING PRIVATE PROPERTY SHALL BE RESPONSIBILITY OF PROPERTY OWNERS.
 4. PUBLIC UTILITIES, FIRE HYDRANTS AND STREET LIGHTS ARE INSTALLED IN ACCORDANCE TO HARNETT COUNTY UNIFIED DEVELOPMENT ORDINANCE.

Certificate of Improved Maintenance

I hereby certify that I assume all financial and legal responsibilities for the Maintenance and upkeep of all the streets and other required improvements in **LITTLE CROSS LLC** until such time that they are accepted for maintenance by North Carolina Department of Transportation or other appropriate public or private entities.

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED SUBDIVISION ROAD
CONSTRUCTION STANDARDS CERTIFICATION

APPROVED: Lee R. Hines, Jr. P.E.
DISTRICT ENGINEER

DATE: NOV. 20, 2019

FOR REGISTRATION
KIMBERLY S. HARGROVE
REGISTERED SURVEYOR
HARNETT COUNTY, NC
2019 NOV 20 10 28 AM
BK 2019 PL 417
PAGES 803-804
INSTRUMENT # 2019017661

CLINTON

2019017661



NORTH CAROLINA HARNETT COUNTY
I, Mickey R. Bennett, PLS do certify that this plat was drawn under my supervision (see deed description recorded in Book SEE, Page REF., etc) that the boundaries not surveyed are clearly indicated as drawn from information found in Book SEE, Page REF., that the ratio of precision as calculated is 1:10000; that this plat was prepared in accordance with G.S. 47-30 as amended; Witness my original signature, registration number and seal this 19 TH day of NOVEMBER, A.D. 2019.

Mickey R. Bennett
MICKEY R. BENNETT
L - 1514

I, MICKEY R. BENNETT, DO HEREBY CERTIFY THAT THIS SURVEY CREATES A SUBDIVISION OF LAND WITHIN THE AREA OF A COUNTY OR MUNICIPALITY THAT HAS AN ORDINANCE THAT REGULATES PARCELS OF LAND

DEED REFERENCE
DEED BOOK 3659, PAGE 801
MAP REFERENCE
PLAT BOOK 2018, PAGE 20

COVER SHEET
**AVERY POND SUBDIVISION
PHASE IIID**

TRACT DATA PHASE IIID
OWNER: LITTLE CROSS LLC
8625 MT. PLEASANT ROAD
WILLOW SPRINGS, NC 27592
PH. 919-552-7075

ACRES 36.2 55 LOTS ZONED RA-30
LAND USE EMPLOYMENT MIXED USE

SUBDIVISION DEVELOPED UNDER COMPATIBILITY DESIGN CONCEPT
OPEN SPACE WILL BE MAINTAINED BY HOME OWNERS ASSOCIATION
TOTAL OPEN SPACE 10.01 AC., 13% OF TOTAL AREA
MAXIMUM IMPERVIOUS AREA PER LOT 2850 SQ.FT.

SITE DOES NOT LIE IN FLOOD HAZARD AREA,
FEMA PANEL 3720064200J
THERE SHALL BE NO ENCROACHMENTS INTO WETLANDS

STREETSCAPE BUFFER SHALL BE MAINTAINED BY
HOMEOWNERS ASSOCIATION
PIN 0653-34-4823.000
PID 080654 0090 03
ADDITIONAL ROADS

AVERY POND DR. (50' PUBLIC AND UTILITY EASEMENT) - 2050'
WATERVILLE WAY (50' PUBLIC AND UTILITY EASEMENT) - 422'
DOONBEG DRIVE (50' PUBLIC AND UTILITY EASEMENT) - 382'
LAHINCH DRIVE (50' PUBLIC AND UTILITY EASEMENT) - 653'

SHEET 1 OF 3

THIS SHEET SHALL BE USED IN CONJUNCTION WITH SHEETS 2 & 3

CERTIFICATION OF OWNERSHIP, DEDICATION AND JURISDICTION

I, (We) hereby certify that I am (We are) the owner(s) or agent of the property shown and described herein and that I (We) hereby adopt this plan of subdivision with my (our) free consent, establish the minimum building setback lines, and dedicate all streets, alleys, walks, parks and other sites and easements to public or private use as noted, and all the land shown hereon is within the subdivision regulation jurisdiction of Harnett County.

11/19/19 Heidi
Date owner/agent

STORM WATER CERTIFICATION

I certify that the stormwater management facilities are constructed and installed in accordance with the rules, regulations, drainage design standards of Harnett County, and the State of North Carolina and the applicable erosion control plan.

Clayton
Consulting Engineer

- MINIMUM BUILDING SET BACKS**
- FRONT YARD ----- 35'
 - REAR YARD ----- 20'
 - SIDE YARD ----- 10'
 - CORNER LOT SIDE YARD -- 20'
 - MAXIMUM HEIGHT ----- 35'
 - MINIMUM LOT WIDTH 80'
 - MINIMUM LOT WIDTH CULDESAC 40'
 - MINIMUM LOT SIZE 20,000 SQ.FT.

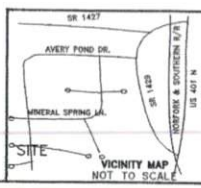
VOLUNTARY AGRICULTURAL DISTRICT
This Development is within one mile of a Voluntary Agricultural District.

ONLY NORTH CAROLINA DEPARTMENT OF TRANSPORTATION APPROVED STRUCTURES ARE TO BE CONSTRUCTED ON PUBLIC RIGHT OF WAY.

ALL DRAINAGE EASEMENTS SHALL BE DEDICATED AS PUBLIC AND IT SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNERS TO MAINTAIN THE DRAINAGE EASEMENTS AND ANY DRAINAGE STRUCTURES THERE IN, SO AS TO MAINTAIN THE INTEGRITY OF THE DRAINAGE SYSTEM AND INSURE POSITIVE DRAINAGE.

LEGEND

- LINES NOT SURVEYED
- LINES SURVEYED
- EP-----EXISTING IRON PIPE
- ECM-----EXISTING CONCRETE MONUMENT
- ES-----EXISTING IRON STAKE
- EP/N-----EXISTING P.K. NAIL
- ELS-----EXISTING LIGHTWOOD STAKE
- NS-----NEW IRON STAKE NIP-----NEW IRON PIPE
- PN/N-----P.K. NAIL SET
- ERS-----EXISTING RAILROAD SPIKE
- NRS-----NEW RAILROAD SPIKE
- EM-----EXISTING MAGNETIC NAIL
- NM-----NEW MAGNETIC NAIL
- ECS-----EXISTING COTTON SPINDLE
- NCS-----NEW COTTON SPINDLE
- EP/ED-----CONTROL CORNERS
- ECM/PN/ES-----CONTROL CORNERS
- C/L-----CENTER LINE N/T-----NOW OR FORMERLY
- CP-----CALCULATED POINT
- CB&D-----CHORD BEARING AND DISTANCE
- D.E-----DRAINAGE EASEMENT R/W-----RIGHT OF WAY
- EX-----EXISTING AC-----ACRES



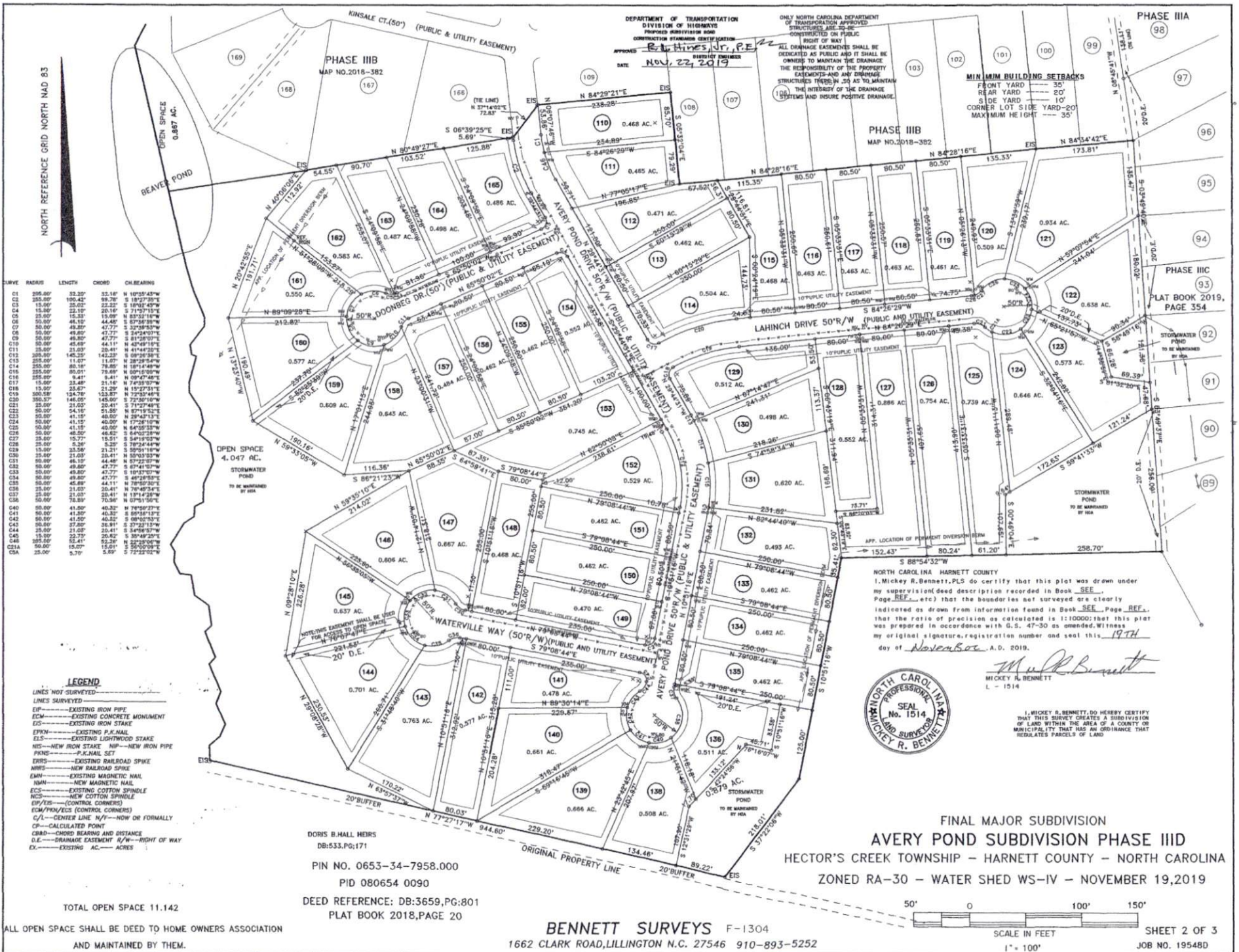
FINAL MAJOR SUBDIVISION			
SURVEY FOR: AVERY POND SUBDIVISION PHASE IIID			
TOWNSHIP: HECTORS CREEK	COUNTY: HARNETT	50' 0 100'	SURVEYED BY: RVB
STATE: NORTH CAROLINA	DATE: NOVEMBER 19, 2019	SCALE: 1" = 100'	DRAWN BY: MRB
ZONED: RA-30	WATERSHED DISTRICT: WS-IV	PID # 080654 0090 03	DRAWING NO. 19548C
PIN # 0653-34-4823.000		CHECKED & CLOSURE BY: MRB	

STATE OF NORTH CAROLINA
COUNTY OF HARNETT
I, Clay Williams, REVIEW OFFICER OF HARNETT COUNTY, CERTIFY THAT THE MAP OR PLAT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING

11-27-2019
DATE: REVIEW OFFICER

NORTH CAROLINA
HARNETT COUNTY
This Map/Plat was presented for registration and recorded in this office at Map Number 2019-417 This 27th day of Nov 2019 at 2:11 o'clock P. M.

KIMBERLY S. HARGROVE Register of Deeds
By: Clayton S. Clinton
Assistant Deputy Register of Deeds



CURVE	RAADIUS	LENGTH	CHORD	CHLREARING
C1	295.00'	32.30'	32.16'	N 10°55'43"W
C2	355.00'	100.42'	99.78'	S 18°27'39"E
C3	15.00'	35.00'	32.33'	S 89°02'45"W
C4	15.00'	22.10'	20.18'	S 71°27'13"E
C5	50.00'	15.50'	15.98'	N 81°14'48"W
C6	50.00'	48.10'	44.48'	S 87°56'38"W
C7	50.00'	49.50'	47.77'	S 70°32'38"W
C8	50.00'	49.80'	47.77'	S 24°24'07"E
C9	50.00'	45.80'	47.77'	S 81°30'17"E
C10	50.00'	45.49'	44.11'	N 43°49'18"E
C11	25.00'	14.53'	20.41'	N 41°47'37"E
C12	25.00'	14.53'	14.23'	S 89°58'58"E
C13	25.00'	11.07'	11.07'	N 38°29'54"W
C14	25.00'	80.14'	78.86'	N 31°14'48"W
C15	25.00'	80.01'	79.88'	N 02°10'10"W
C16	25.00'	9.41'	9.41'	N 08°47'48"E
C17	15.00'	23.48'	21.16'	N 74°39'07"W
C18	15.00'	33.47'	31.28'	N 18°27'18"W
C19	50.00'	134.78'	133.87'	N 73°50'48"E
C20	50.00'	21.03'	20.41'	S 71°27'49"E
C21	50.00'	54.16'	40.00'	N 77°18'10"W
C22	50.00'	41.15'	40.00'	N 38°43'13"E
C23	50.00'	41.15'	40.00'	N 64°29'33"W
C24	50.00'	15.77'	46.82'	S 84°02'28"W
C25	50.00'	15.77'	15.21'	S 81°14'48"W
C26	25.00'	5.28'	5.28'	S 78°24'44"W
C27	15.00'	33.47'	31.21'	S 18°27'18"W
C28	25.00'	21.03'	20.41'	N 38°53'03"W
C29	50.00'	49.80'	47.77'	S 70°32'38"W
C30	50.00'	49.80'	47.77'	S 48°28'58"E
C31	50.00'	49.80'	47.77'	N 78°58'02"E
C32	50.00'	21.03'	20.41'	N 78°49'34"E
C33	50.00'	21.03'	20.41'	N 19°14'38"E
C34	50.00'	70.39'	70.39'	N 07°51'50"E
C35	50.00'	41.50'	40.32'	N 78°58'02"E
C36	50.00'	41.50'	40.32'	S 89°58'58"E
C37	50.00'	41.50'	40.32'	S 08°02'33"E
C38	25.00'	21.03'	20.41'	S 34°59'07"W
C39	15.00'	23.47'	20.42'	S 38°48'27"E
C40	395.00'	12.41'	52.28'	S 82°30'08"W
C41A	50.00'	15.00'	15.01'	S 50°00'00"E
C42	25.00'	5.70'	5.69'	S 72°02'02"E

- LEGEND**
- LINES NOT SURVEYED
 - LINES SURVEYED
 - EIP --- EXISTING IRON PIPE
 - ECM --- EXISTING CONCRETE MONUMENT
 - ES --- EXISTING IRON STAKE
 - EPKM --- EXISTING P.K.NAIL
 - ELS --- EXISTING LIGHTWOOD STAKE
 - NS --- NEW IRON STAKE
 - NIP --- NEW IRON PIPE
 - P --- P.C.NAIL SET
 - ERRS --- EXISTING RAILROAD SPIKE
 - NRRS --- NEW RAILROAD SPIKE
 - EMH --- EXISTING MAGNETIC NAIL
 - NBN --- NEW MAGNETIC NAIL
 - ECS --- EXISTING COTTON SPINDLE
 - NCS --- NEW COTTON SPINDLE
 - EWP/EIS --- CONTROL CORNERS
 - ECM/EPKM/ECS (CONTROL CORNERS)
 - CL --- CENTER LINE W/T --- NOW OR FORMALLY
 - CB --- CALCULATED POINT
 - CBAD --- CHORD BEARING AND DISTANCE
 - D.E. --- DRAINAGE EASEMENT R/W --- RIGHT OF WAY
 - EX --- EXISTING ACRES

DORIS B. HALL HERS
DB:533.PG:171

PIN NO. 0653-34-7958.000
PID 080654 0090

DEED REFERENCE: DB:3659.PG:801
PLAT BOOK 2018,PAGE 20

TOTAL OPEN SPACE 11.142

ALL OPEN SPACE SHALL BE DEED TO HOME OWNERS ASSOCIATION AND MAINTAINED BY THEM.

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED SUBDIVISION ROAD
CONSTRUCTION STANDARD CERTIFICATION
APPROVED: **R. Hines, Jr., P.E.**
DATE: **NOV. 22, 2019**

ONLY NORTH CAROLINA DEPARTMENT OF TRANSPORTATION APPROVED STRUCTURES ARE TO BE CONSTRUCTED ON PUBLIC RIGHT OF WAY. ALL DRAINAGE EASEMENTS SHALL BE DEDICATED TO PUBLIC AND IT SHALL BE OWNERS TO MAINTAIN THE DRAINAGE RESPONSIBILITY OF THE PROPERTY EASEMENTS AND ANY DRAINAGE STRUCTURES THEREIN SO AS TO MAINTAIN THE INTERESTS OF THE DRAINAGE SYSTEMS AND INSURE POSITIVE DRAINAGE.

MINIMUM BUILDING SETBACKS

- FRONT YARD --- 35'
- REAR YARD --- 20'
- SIDE YARD --- 10'
- CORNER LOT SIDE YARD --- 20'
- MAXIMUM HEIGHT --- 35'

NORTH CAROLINA HARNETT COUNTY
I, Mickey R. Bennett, PLS do certify that this plat was drawn under my supervision and description recorded in Book SEE, Page SEE, etc that the boundaries not surveyed are clearly indicated as drawn from information found in Book SEE, Page REF., that the ratio of precision as calculated is 1:10000; that this plat was prepared in accordance with G.S. 47-30 as amended; Witness my original signature, registration number and seal this 19TH day of November, A.D. 2019.

Mickey R. Bennett
MICKEY R. BENNETT
L - 1514



FINAL MAJOR SUBDIVISION
AVERY POND SUBDIVISION PHASE IIIB
HECTOR'S CREEK TOWNSHIP - HARNETT COUNTY - NORTH CAROLINA
ZONED RA-30 - WATER SHED WS-IV - NOVEMBER 19,2019

