

Permit Number:

283100

Paid & Received

Division of Water

\$ 460.00 06/23/2026



APPLICATION - PERMIT

ON-SITE WASTEWATER SYSTEM



(Please Type or Print Legibly)

OWNER'S NAME: Brian W. & Rebekah J. Zook

EMAIL: brianwzook@hotmail.com

PHONE: (915) 637-3041

ADDRESS: 14715 Owens Road Greenwood, DE 19950

PROJECT LOCATION: (same as above)

TAX/MAP #: 4-30-9-8.00 & 4-30-9-8.02

APPLICATION
PREPARER:

Byron H. Jefferson, P.E.

DNREC

LICENSE #: 2160

PREPARER'S ADDRESS: PO Box 161 Lincoln, DE 19960

PHONE: (302) 422-9568

I hereby affirm that the information provided on this document is accurate and complete..

Preparer's Signature: *Byron H. Jefferson*

Date: 7/13/2026

SEPTIC DESIGN CRITERIA-

(Please check all boxes that apply)

Type of Construction:

- ☐ Replacement
☐ New Construction
☐ Component Replacement
☒ Repair to Existing System ^{upgrade}
☐ Authorization to Use Existing System

System Type:

- ☐ Low Pressure Pipe(FD)
☐ Elevated Sand Mound
☐ Pressure Dose (FD)
☐ Holding Tank
☐ Gravity (FD)
☐ Std. Pressure Dose (FD)
☐ Std. Pressure Dose (CF)

CF = Cap & Fill / FD = Full Depth

- ☒ Low Pressure Pipe (CF)
☐ Wisconsin At-Grade
☐ Pressure Dose (CF)
☐ Subsurface Micro Irrigation
☐ Gravity (CF)
☐ Other _____

☐ Bed or ☒ Trench

☐ Gravelless Chamber or ☒ Stone/Gravel

Sand-lined ☐ Yes ☒ No

Existing System Malfunctioning ☐ Yes ☒ No ☐ N/A

Pre-Treatment Units

- ☐ Bio-Clear ☐ Klargester
☒ Septic Tank ☐ Recirculating Sand Filter
☐ Other _____

of Bedrooms: 4 + 1+3x20

Avg. Percolation Rate: 75 MPI Assigned

Gallons Per Day Flow: 660

Minimum Sq. Ft. Rcq'd: 5,775

Sq. Ft. Proposed: 8,640

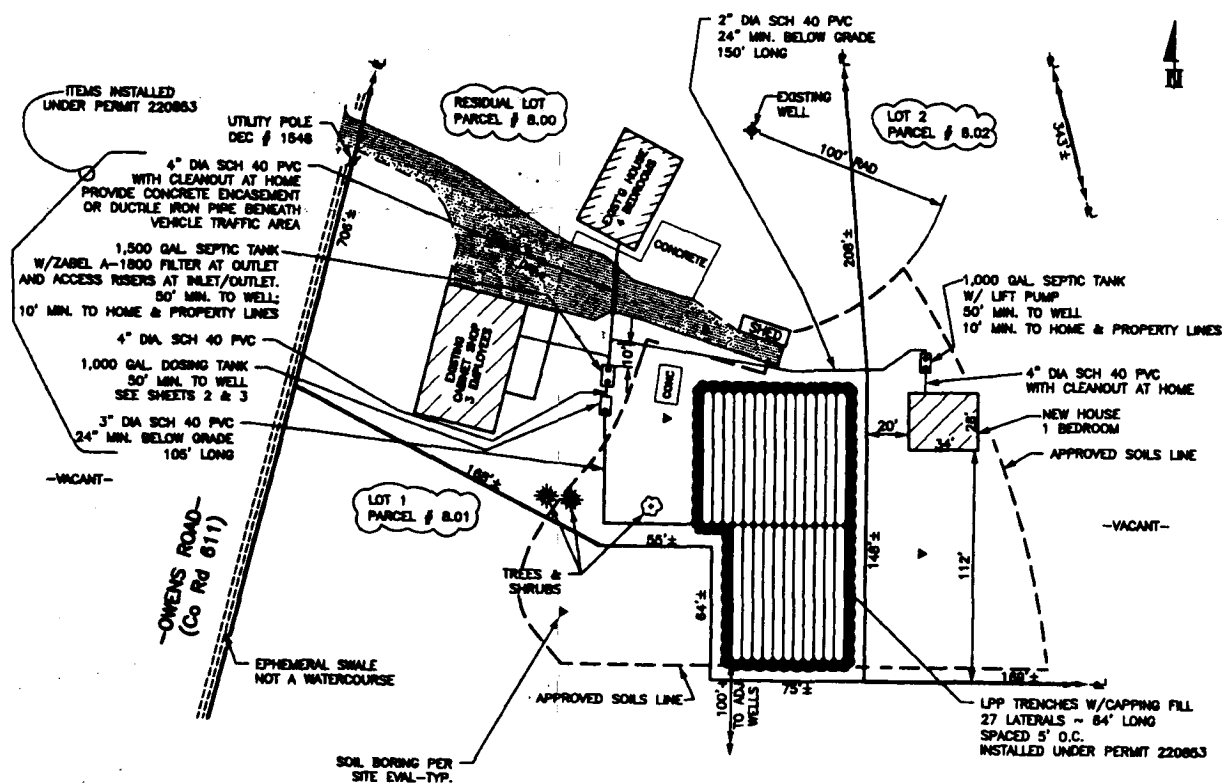
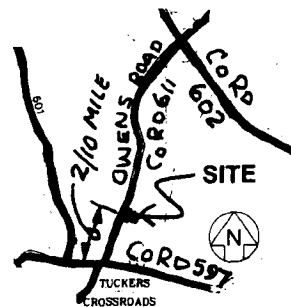
Central Water Available ☐ Yes ☒ No

(If yes, please state Utility Name: _____)

- SITE PLAN & CROSS SECTION -
(INDICATE DIRECTION OF NORTH & SCALE OF SITE PLAN)

— SEE SHEET 1 ATTACHED
— FOR PLOT PLAN DETAILS —

Draw a general location map of project location
and give distance to nearest road junction.



SPARE AREA:
SAND-LINED SYSTEM IN AREA
OF INITIAL SYSTEM, WHICH IS
TO BE EXCAVATED.

OWNER'S / AUTHORIZED AGENT SIGNATURE

[Signature]

DATE: 6/3/26

GENERAL NOTES:

1. DESIGN DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERETO APPURTENANT.
2. THE CONTRACTOR SHALL LOCATE ALL BURIED UTILITIES PRIOR TO EXCAVATION. NOTIFY "MISS UTILITY" THREE (3) WORKING DAYS PRIOR TO EXCAVATION @ 1-800-282-8555. RELOCATE UTILITIES AS NECESSARY TO CLEAR ALL SEPTIC COMPONENTS. REPAIR ANY UTILITIES DAMAGED DURING CONSTRUCTION.
3. THIS PERMIT DOES NOT CONSTITUTE A PERMIT FOR CONSTRUCTION IN WETLANDS. IF SUCH CONSTRUCTION IS ANTICIPATED, OWNER SHOULD OBTAIN NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES PRIOR TO CONSTRUCTION.
4. IT IS VERY IMPORTANT TO AVOID SOILS COMPACTION IN DISPOSAL AREAS. OWNER AND CONTRACTOR SHALL USE ALL MEANS NECESSARY TO PREVENT SOIL COMPACTION IN DISPOSAL AREAS, INCLUDING BUT NOT NECESSARILY LIMITED TO: ROPING OFF DISPOSAL AREAS TO PREVENT CONSTRUCTION OR VEHICULAR TRAFFIC, CONDUCTING ALL LAND CLEARING SO AS TO MINIMIZE SOILS DISTURBANCE, USE OF SUCH SEPTIC CONSTRUCTION METHODS AND EQUIPMENT AS NECESSARY TO AVOID DISPOSAL AREA SOILS COMPACTION, AVOID WORKING THE SOILS DURING PERIODS OF EXCESSIVE MOISTURE.
5. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL LAY-OUT ENTIRE SYSTEM ON SITE TO ENSURE THAT ALL COMPONENTS CAN BE INSTALLED IN ACCORDANCE WITH PERMIT CONDITIONS. SHOULD ANY SITE CHANGES OR PROBLEMS AFFECTING PERMIT CONDITIONS BE NOTED, INCLUDING BUT NOT LIMITED TO SOILS COMPACTION IN DISPOSAL AREAS, THE CONTRACTOR SHALL NOTIFY DNREC (302-739-9947 OR 856-4561) AND THE ENGINEER (BYRON JEFFERSON 302-422-9568) BEFORE PROCEEDING WITH CONSTRUCTION.
6. IF HIGH WATER CONDITIONS ARE ENCOUNTERED ON SITE DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR ADDITIONAL INSTRUCTIONS REGARDING TANK INSTALLATION TO PREVENT TANK LEAKAGE OR FLOTATION. PLACEMENT OF TANKS INTO WATER DEPTHS OF 30" OR MORE IS CAUSE FOR THIS NOTIFICATION. THIS APPLIES TO ALL TANKS.
7. ALL TANKS ARE TO BE RATED BY THE MANUFACTURER FOR ADEQUATE STRUCTURAL STRENGTH AT THE ACTUAL DEPTH OF INSTALLATION.
8. ALL TREES WITHIN 10' OF DISPOSAL AREAS ARE TO BE REMOVED.
9. A DNREC LICENSED SITE EVALUATOR SHALL BE ON-SITE TO VERIFY SUITABILITY OF SOILS IN DISPOSAL AREA AFTER TREES HAVE BEEN REMOVED IN A WOODED SITE PRIOR TO CONSTRUCTION.
10. ALL ELECTRICAL WORK SHALL BE COMPLETED BY A LICENSED ELECTRICIAN IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE - LATEST EDITION. BURIED ELECTRICAL CABLES SHALL BE RUN IN PVC CONDUIT.
11. THIS DESIGN LAYOUT IS BASED ON INFORMATION REPORTED IN THE SITE EVALUATION, STATEMENTS BY OWNER AND OTHER INTERESTED PARTIES, AND OUR OWN PRE-DESIGN SITE OBSERVATIONS AND MEASUREMENTS. ALL INFORMATION IS BELIEVED TO BE CORRECT AND ACCURATE, HOWEVER NO PROPERTY SURVEY, TITLE SEARCH, OR PROPERTY LINE STAKEOUT HAS BEEN PERFORMED AS PART OF THIS DESIGN WORK. THIS DESIGN MAY NO LONGER BE VALID IF SITE CONDITIONS OR LAYOUTS CHANGE.

▶ DENOTES A REVISED ITEM.

DRAWING INDEX

SHEET NO.	REV. NO.	TITLE
1	1	SEPTIC PLOT PLAN
2	0	SEPTIC/LIFT TANK DETAIL
3	0	EXIST'G DOSING TANK DETAIL
4	0	CONTROL DETAIL



DRAWING INDEX & GENERAL NOTES

ZOOK

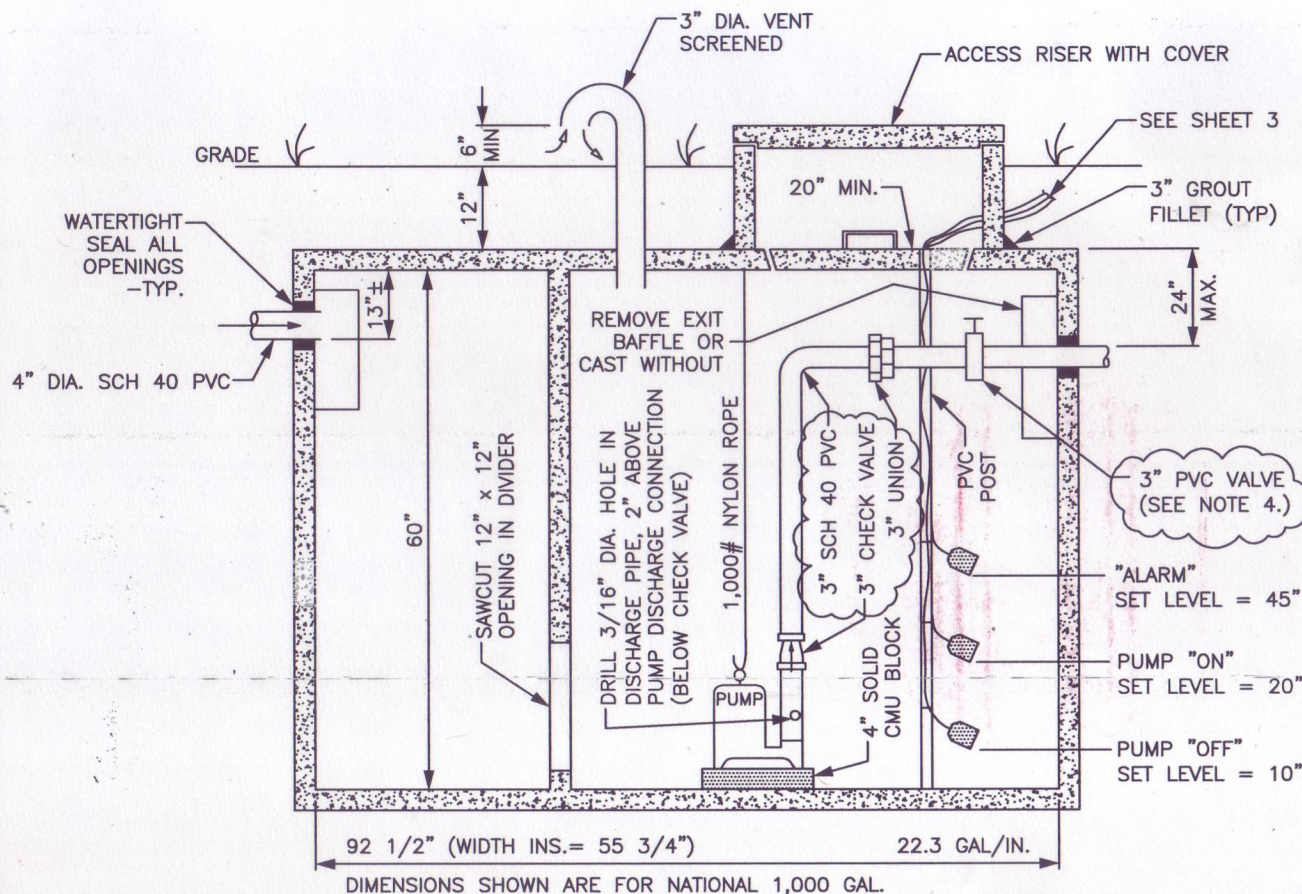
BYRON H. JEFFERSON
P.O. BOX. 161
LINCOLN, DE 19960

(302) 422-9568

DATE: 6/16/26

SCALE: NTS

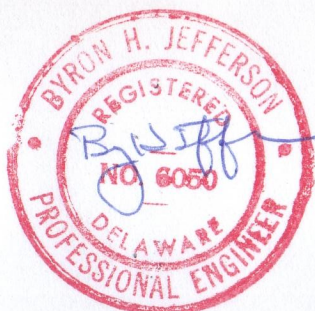
SHEET: 0



ELEVATION VIEW

PUMP VOL./ CYCLE = 223 GAL. BY FLOATS
220 GAL. BY TIMER CONTROL

CHANGE FLOAT SETTING



NOTES:

- ALL ELECTRICAL CONNECTIONS INSIDE TANK TO BE EXPLOSION PROOF, CORROSION RESISTANT AND WATERPROOF.
- ELECTRICAL INSTALLATIONS SHALL MEET ALL REQUIREMENTS OF NEC, LATEST EDITION.
- CONTACT ENGINEER FOR CHECK-OUT OF SYSTEM INSTALLATION AND OPERATION PRIOR TO PLACING THE DOSING TANK IN OPERATION.
- ADJUST GATE VALVE FOR 2.5' WATER COLUMN AT REF. PT. "A". (SEE SHEETS 1 & 4)
- EQUIPMENT:
FLOAT SWITCHES - MERCURY TUBE TYPE SEALED IN FLOAT BALL AND RATED FOR VOLTAGE AND AMPERAGE OF SERVICE. FLOATS ARE NOT TO BE LOCATED DIRECTLY BELOW TANK INLET.
ENCLOSURES - TO BE RATED FOR MOUNTING LOCATION. NEMA-1 FOR INSIDE USE OR NEMA-3R FOR OUTSIDE USE.
HIGH LEVEL ALARM - TO OPERATE ON SEPARATE 115 VOLT AC. CIRCUIT FROM PUMP. ALARM TO ACTIVATE BOTH RED-LITE AND BELL OR BUZZER.
PUMP - GOULDS MODEL 3886 OR EQUAL. 3/4 HP, 230 VOLT AC, 1 PHASE, 100 GPM AT 17.5 FT., SUBMERSIBLE SEWAGE.

EXIST'G DOSING TANK DETAIL

ZOOK

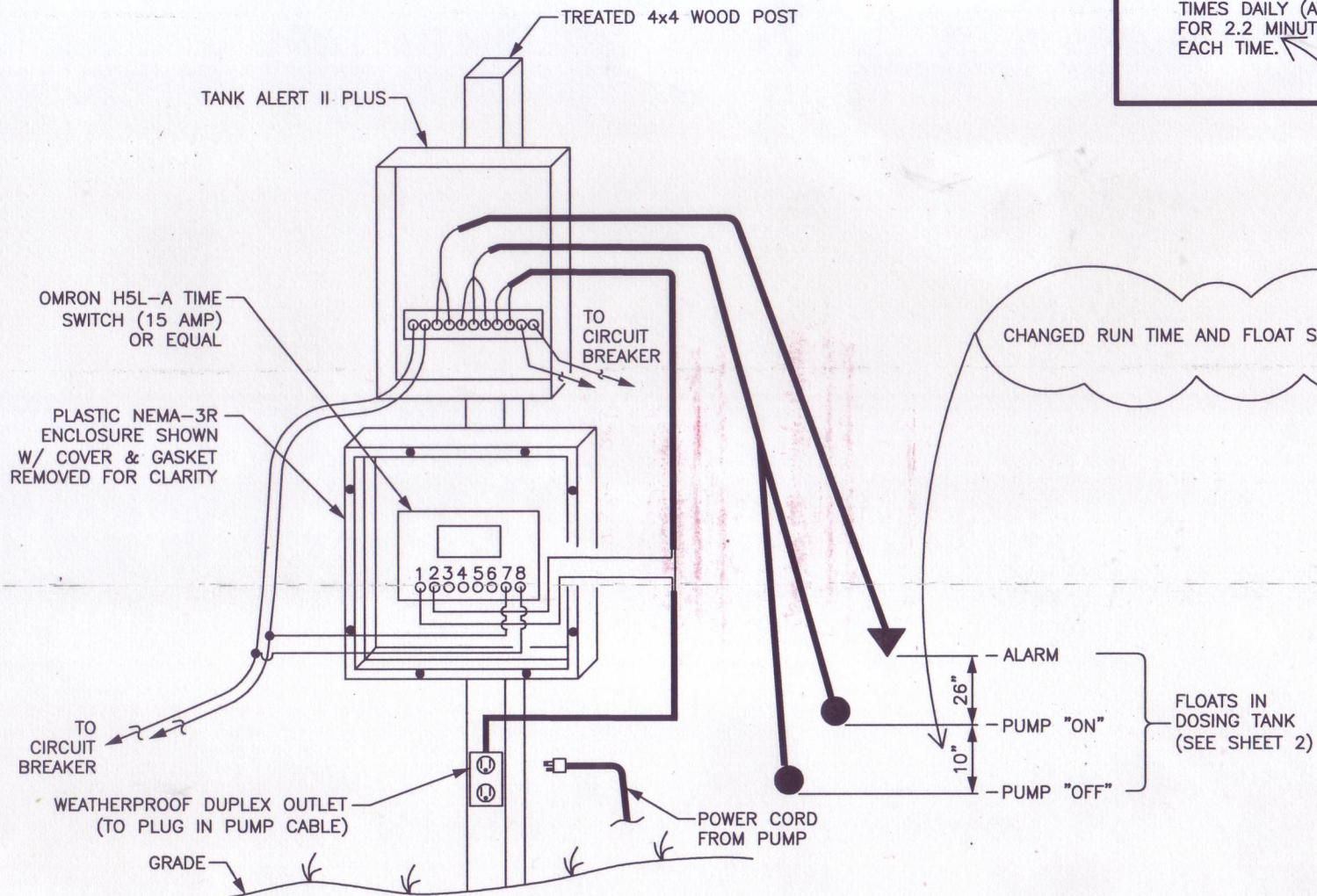
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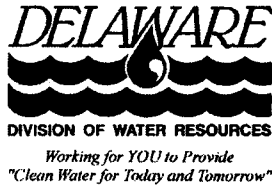
DATE: 7/13/26

SCALE: NTS

SHEET: 3



CONTROL DETAIL	
ZOOK	
BYRON H. JEFFERSON P.O. BOX. 161 LINCOLN, DE 19960 (302) 422-9568	DATE: 7/13/26 SCALE: NTS SHEET: 4



**PERMIT
220853**



Tax Parcel Number: 4-30-09.00-0008.00

Site Evaluation Number: 547056

Pursuant to provisions of Title 7, Delaware Code, Chapter 60, permission is hereby granted to:

Zook, Crist & Irene

14715 Owens Road, Greenwood, DE 19950 US

to construct, operate and maintain an onsite wastewater system.

Construction must be completed on or before 03/14/2014 , two years from permit issuance date. Construction must be performed by a person duly licensed by Delaware DNREC for such activity.

All current regulations governing wastewater system installation shall be followed.

All attached permit conditions shall be complied with.

The applicant is responsible for obtaining all additionally required permits and approvals.

DNREC APPROVED
See Permit Conditions

 3-14-12

AUTHORIZED SIGNATURE Date



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF WATER RESOURCES
20653 DUPONT BLVD
UNIT 5
GEORGETOWN, DE 19947

AUTHORIZATION TO USE AN EXISTING SYSTEM

Date: 6-26-2012

Authorization is hereby granted to use the existing on-site wastewater disposal system permitted under # 220853 and tax map # 4-30-9-8.

We have an inspection and/or completion report verifying the system was satisfactorily installed. Approval is for the connection of a 1 ~~Bedroom~~ Polebarn Woodshop 3 Employees and 1 Bathroom.

A Certificate of Satisfactory Completion is not required prior to issuance of a certificate of occupancy or certificate of compliance by the County.

APPROVED
Department of
Natural Resources & Environmental Control
State of Delaware
BY [Signature]
DIVISION OF ENVIRONMENTAL CONTROL

RECEIVED

AUG 06 2012

PLANNING & ZONING
COMM. OF SHELBY COUNTY

Delaware's good nature depends on you!

PARID 430-9.00-8.02

ZOOK BRIAN W

REBEKAH J ZOOK

Property Information

Property Location

Unit
City
State
Zip

Class	R-Residential
Use Code(LUC)	100-Residential - Vacant Land
Town	00-None
District	430 - NANTICOKE
School District	5 - WOODBRIDGE
Fire District	78-Greenwood
Calc Acres	1.0000
Frontage	
Depth	
Irr Lot	
Plot Book Page	314-84

100% Land Value	\$61,600
100% Improv Value	\$0
100% total Value	\$61,600

Number of Caps

0

Parcel Notes:

Notes

Code Comments

RP	TR PER DEED
RP	CREATED FROM PARCEL 8.00 PER WORK REQUEST

Who

When

MMILLER	02/22/2021 04:12 pm
AMBER.JOSE	08/25/2020 04:56 pm

Legal

Legal Description

SE/RD 611
927' NE/RD 597

Owners

Owner	Co-owner	Address	City	State	Zip
ZOOK BRIAN W	REBEKAH J ZOOK	14715 OWENS RD	GREENWOOD	DE	19950

ZOOK BRIAN W

REBEKAH J ZOOK

Property Information

Property Location	14715 OWENS RD
Unit	
City	GREENWOOD
State	DE
Zip	19950
Class	R-Residential
Use Code(LUC)	101-Single Family Dwelling
Town	00-None
District	430 - NANTICOKE
School District	5 - WOODBRIDGE
Fire District	78-Greenwood
Calc Acres	1.7600
Frontage	0
Depth	.000
Irr Lot	
Plot Book Page	314-84

100% Land Value	\$71,400
100% Improv Value	\$230,000
100% total Value	\$301,400

Number of Caps	2
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Parcel Notes:

Notes

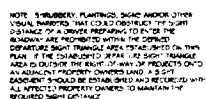
Code	Comments	Who	When
RP	CRCTD OWNERSHIP MISSED DB 5267/52	KATHY.FISK	05/26/2026 09:33 am
RP	REVISED SIZE PER WORK REQUEST	AMBER.JOSE	08/25/2020 04:41 pm
A	PER AFFIDAVIT ROW CASE NO 11642	KSTONNELL	01/18/2018 07:56 am
RP	BP#298306 POLE BLDG	NBAKER	03/23/2015 12:00 am
RP	TR PER DEED	NBAKER	10/29/2014 12:00 am
RP	P/WR REVISE SIZE	KJM	09/24/2012 12:00 am
RP	P/PLOT REVISE SIZE	KJM	09/20/2012 12:00 am
RP	POSSREV REJ PB 176-15 REVISE THE SIZE OF PARCEL 8.	RICH	09/20/0012 12:00 am
RP	PB 176-15 PROCESSED BY MAPPING 9-20-2012 REJ.	RICH	09/20/0012 12:00 am

Legal

Legal Description	SE/RD 611 927' NE/RD 597
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Owners

Owner	Co-owner	Address	City	State	Zip
ZOOK BRIAN W	REBEKAH J ZOOK	14715 OWENS RD	GREENWOOD	DE	19950



NOTES

1. IF THE RESIDUAL LANDS OF THE APPLICANT ARE EVER DEVELOPED INTO A MAJOR SUBDIVISION, THEN THE ACCESS TO THE PARCELS CREATED BY THIS MAJOR SUBDIVISION PLAN MAY BE REQUIRED TO PREPARE AN INTERNAL SUBDIVISION STREET
2. ALL ENTRANCES SHALL CONFORM TO THE DEFENSE DEPARTMENT OF TRANSPORTATION'S (DOD) CD 151 CURRENT DEVELOPMENT COORDINATION MANUAL AND SHALL BE SUBJECT TO ITS APPROVAL
3. THERE IS A FIFTY (50) FOOT SETBACK FROM LANDS USED FOR AGRICULTURAL PURPOSES UNLESS THE APPLICANT ACQUIRES A LETTER OF CONSENT FROM THE ADJACENT OWNER
4. THE RESIDUAL LOT SHALL HAVE ACCESS TO SUGAR HILL VIA THE EXISTING WALKWAY ENTRANCE
5. LOT 1 SHALL HAVE A SINGLE ACCESS FROM SUGAR HILL, IN WHICH THE ENTRANCE SHALL BE NEAR THE NORTHERN PROPERTY LINE AS DEPICTED HEREON
6. LOT 2 SHALL HAVE ACCESS TO SUGAR HILL VIA THE 50-FOOT WIDE INGRESS/EGRESS DRIVEWAY

THE TWO LOT OWNERS OF THE RESIDUAL LOT SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE 50' INGRESS/EGRESS DRIVEWAY

OWNERSHIP CERTIFICATE

I, THE UNDERSIGNED, HEREBY CERTIFY TO THE OWNERSHIP OF THE PROPERTY DESCRIBED AND SHOWN ON THIS PLAN, THAT THE PLAN WAS MADE AT MY DIRECTION AND DESIRE, THE PLAN TO BE RECORDED ACCORDING TO LAW.

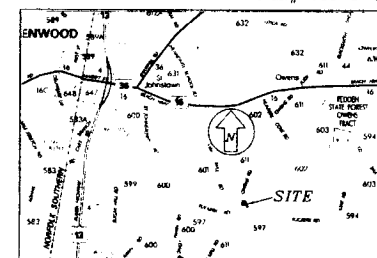
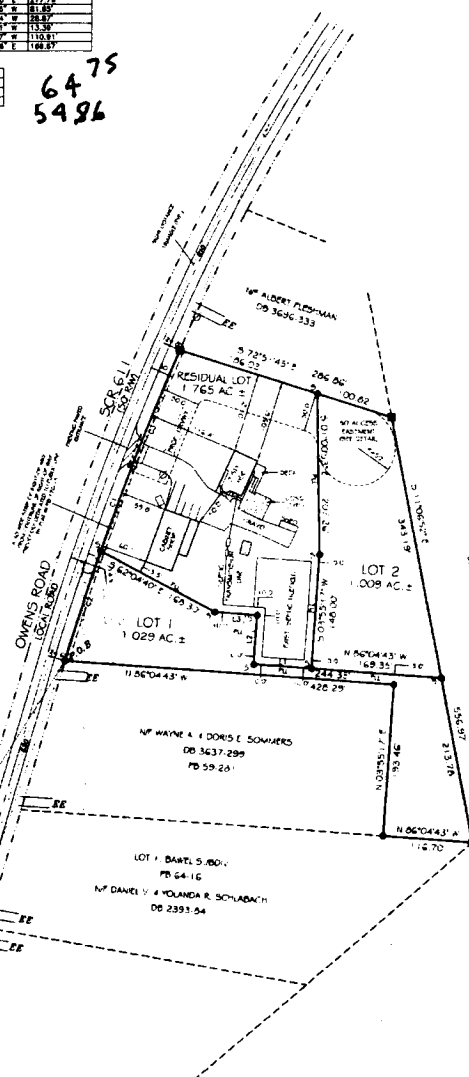
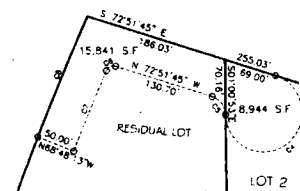
BRANWYN EXECUTOR
14718 URBAN AC
GREENWOOD IN 46030
TEL 812-521-3041

CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	120.00	3384.46	7°14.58	N 20°23.47' E	427.56
C2	457.89	3384.46	2°32.22	N 58°12.41' E	148.99
C3	277.86	3384.46	0°42.14	N 21°36.58' E	277.76
C4	218.63	500.00	280°31.44	S 52°24.06' W	81.85
C5	30.77	100.00	70°31.44	N 37°32.54' E	28.87
C6	14.87	10.00	84°02.07	S 85°07.11' W	13.39
C7	110.81	3334.46	1°56.21	S 22°08.57' E	110.81
C8	186.08	3384.46	2°48.18	N 28°28.78' E	169.67

LINE	BEARING	DISTANCE
L1	N 86°04'43" W	73.00'
L2	N 03°55'17" E	84.00'
L3	N 86°04'43" W	54.88'

64⁷⁵
5486

ACCESS EASEMENT
DETAIL
24.785 S.F.



VICINITY MAP
SCALE 1"=1 MILE

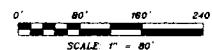
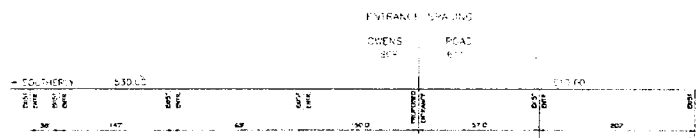
- LEGEND
- POINT
 - IRON PIPE (ROUND)
 - IRON PIPE (TO BE SET)
 - CONCRETE MONUMENT (ROUND)
 - PEDESTALSTONE (FLYLAND)
 - ⊗ UTILITY POLE
 - EE ——— EXISTING ENTRANCE
 - I WALKWAY
 - ① TELEPHONE PEDESTAL
 - REPOSED ON RAMP
 - REPOSED ON RAMP

DATA COLUMN:

T.M.#30-9.00-0.00
ZONING: AR-1 (WITH CONDITIONAL USE)
TRACT AREA: 3.802 ACRES:
DISTINGUISHING:
PROPOSED LOTS: 2/3 (INCLUDING RESIDUAL LOT)
PRESENT USE: RESIDENTIAL WITH CABINET SHOP
PROPOSED USE: RESIDUAL LOT - RESIDENTIAL
WITH CABINET SHOP
PROPOSED USE: LOTS: # 2 - RESIDENTIAL
ACCESS: S.C.R. 611 (DOWNS RD.)
ROADWAY CLASSIFICATION: LOCAL ROADWAY
WATER AND SEWER: INDIVIDUAL ON-SITE
100 YEAR FLOODPLAIN: SITE NOT IMPACTED
FUTURE: 1000000/120K DATED 3/1/61
THIS PROJECT IS NOT NEAR THE PROXIMITY OF A 100
FEET FLOOD ZONE. NO DRAINAGE

APPROVED
Director, Sussex County Planning & Zoning Commission
7/25/11
-AHT SUSSEX COUNTY PLANNING & ZONING COMMISSION

MINOR SUBDIVISION OF LANDS OF THE
ESTATE OF CRIST ZOOK



DATE	REVISION
02/23/17	DR. D.C. COMMENT

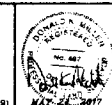
SURVEY CLASS: SUBURBAN

**MILLER
LEWIS, INC.**

LAND SURVEYING

1560 MIDDLEFORD RD.
SEAFORD, DELAWARE 19773

PH. 302-628-0091 FAX 302-628-2



REINDEED	COUNT
NANTICOKE	SUSSEX
STATE	DRAFT BY
DELAWARE	D.K. MILLER
REV.	DWG. FILE
DB 4323-102	ZOOK 430-9-

AFFIDAVIT OF OWNERS

STATE OF DELAWARE :

COUNTY OF SUSSEX :

PARCEL NO. 430-9.00-8.00
PREPARED BY: BRIAN W. ZOOK
AND 14715 OWENS RD. GREENWOOD,
RETURN TO DE 19950

The undersigned, BRIAN W. ZOOK and REBEKAH J. ZOOK, his wife, being duly sworn, declare and say under penalty of perjury the following:

1. They are present owners of adjoining lots 8.00 and 8.02
9.00 Subdivision, NANTICOKE (430) Hundred, having
acquired said lots as one parcel by Deed dated * (1) from * (2) them of
the record in the Office of the Recorder of Deeds in and for SUSSEX County, Delaware, in
Deed Book * (3), Page * (4). These lots are shown on SUSSEX County tax map
as Nos. 430-9.00-8.00 * (1) 8.00 = 6/30/2020 (3) 8.00 = 5267
430-9.00-8.02 8.02 = 2/4/2021 8.02 = 5412
(2) 8.00 = ESTATE OF CRISTA A. ZOOK (4) 8.00 = 52
8.02 = ANNA L. CARTER 8.02 = 171
2. By signing this Affidavit, the owner agrees not to sell, convey or otherwise transfer said parcels without the written approval of the Delaware Department of Natural Resources and Environmental Control, (DNREC). Approval will only be considered after execution of documents by all parties that provide for the operation, maintenance and repair of the system.

3. Pursuant to 7 Del. Admin. C. §7101-3.31.6 of the Regulations Governing The Design, Installation and Operation of On-Site Wastewater Treatment and Disposal Systems, (Regulations) effective January 11, 2014, this affidavit is made and recorded to notify all prospective purchasers that an on-site sewage disposal system crosses the boundary line between lots
430-9.00-8.00 and 430-9.00-8.02.

IN WITNESS WHEREOF, the affiants hereto have set their Hands and Seals this 18 day
of June, 2026.

Darlene J Beachy
Witness

Brian W Zook (SEAL)
Owner's Signature

Darlene J Beachy
Witness

Rebekah J Zook (SEAL)
Owner's Signature

Sworn to and subscribed before me, a Notary Public, this 18 day of June,
2026.

MWH/CN

Notary Public

