

**SOIL/SITE EVALUATION
 for ON-SITE WASTEWATER SYSTEM**

Owner: Applicant: *Clayton Homes of Sanford*
 Address: *NC 42* Date Evaluated: *01/22/18*
 Proposed Facility: *382 DWMT* Design Flow (.1949): *360 GPD* Property Size: *1.0 AC*
 Location of Site: Property Recorded: *yes*
 Water Supply: Public Individual Well Spring Other
 Evaluation Method: Auger Boring Pit Cut
 Type of Wastewater: Sewage Industrial Process Mixed

P R O F I L E #	.1940 Landscape Position/ Slope %	Horizon Depth (In.)	SOIL MORPHOLOGY .1941		OTHER PROFILE FACTORS				Profile Class & LTAR
			.1941 Structure/ Texture	.1941 Consistence Mineralogy	.1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	
1	L 3%	0-10	CL SL	VOL SHH Ksp					
		10-34	BK C	FI 51 Ksp					U/PS
		34+	Parent mat.	-		34			0.3
2	L 3%	0-12	CL SL	VOL SHH Ksp					
		12-32	BK C	FI 51 Ksp					U/PS
		32+	Parent mat.	-		33			0.3
1	L 3%	0-10	CL SL	VOL SHH Ksp					
		10-30	BK C	FI 51 Ksp					U/PS
		30+	Parent mat	-		30			0.3

Description	Initial System	Repair System	Other Factors (.1946):
Available Space (.1945)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Site Classification (.1948): <i>unsuitable / provisionally suitable</i>
System Type(s)	<i>25% sub</i>	<i>25% sub</i>	Evaluated By: <i>Andrew Curran, MEHS</i>
Site LTAR	<i>0.3</i>	<i>0.3</i>	Others Present:

COMMENTS: _____

LANDSCAPE POSITIONS	GROUP	TEXTURES	.1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE	I	S-SAND	1.2 - 0.8	VFR-VERY FRIABLE	NS-NON-STICKY
S-SHOULDER SLOPE		LS-LOAMY SAND		FR-FRIABLE	SS-SLIGHTY STICKY
L-LINEAR SLOPE	II	SL-SANDY LOAM	0.8 - 0.6	FI-FIRM	S-STICKY
FS-FOOT SLOPE		L-LOAM		VFI-VERY FIRM	VS-VERY STICKY
N-NOSE SLOPE	III	SI-SILT	0.6 - 0.3	EFI-EXTREMELY FIRM	NP-NON-PLASTIC
H-HEAD SLOPE		SIL-SILT LOAM		SP-SLIGHTLY STICKY	
CC-CONCLAVE SLOPE		CL-CLAY LOAM		P-PLASTIC	
CV-CONVEX SLOPE		SCL-SANDY CLAY LOAM		VP-VERY PLASTIC	
T-TERRACE	IV	SIC-SILTY CLAY	0.4 - 0.1		
FP-FLOOD PLAN		C-CLAY			
		SC-SANDY CLAY			

STRUCTURE

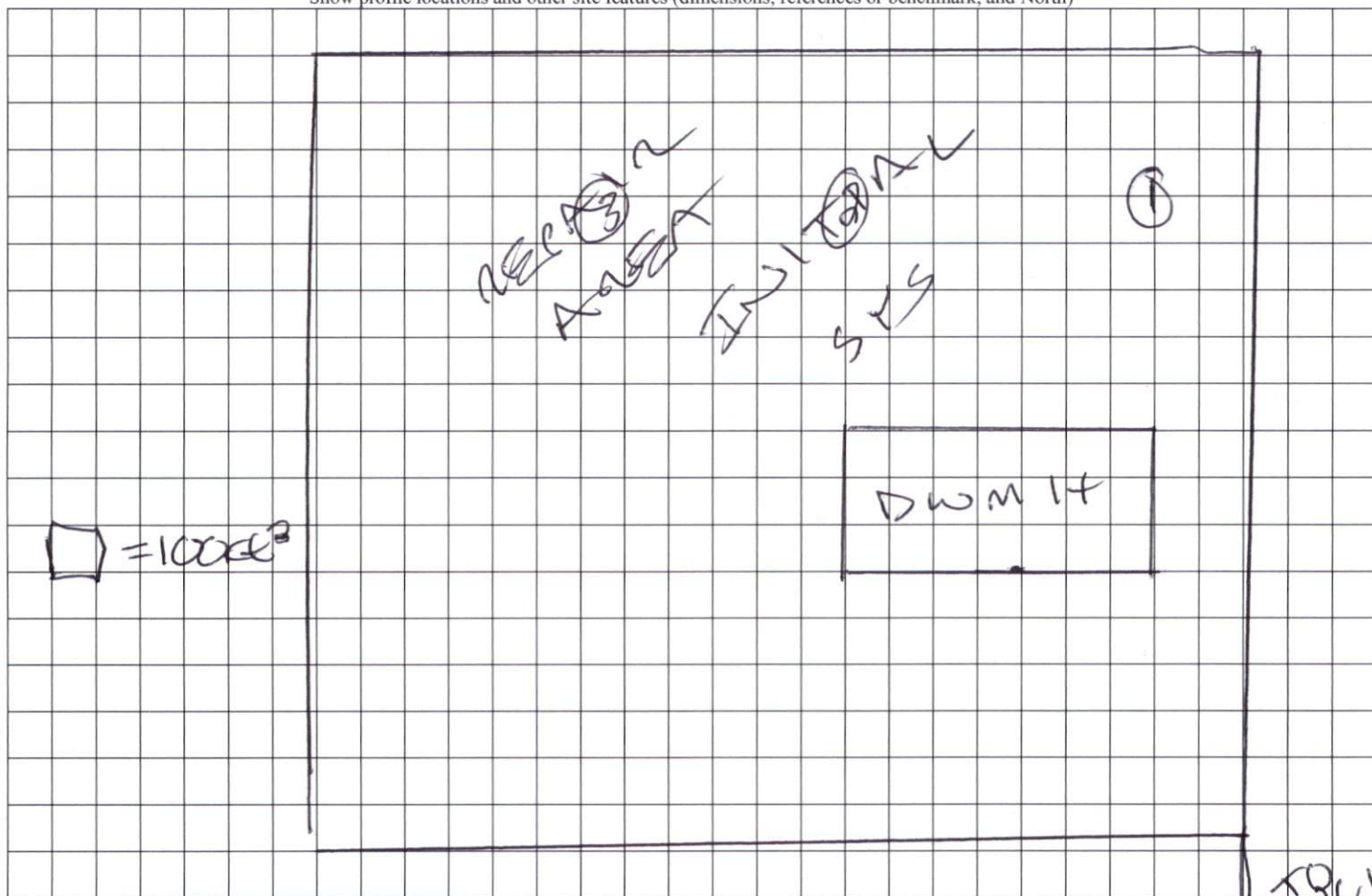
- SG-SINGLE GRAIN
- M- MASSIVE
- CR-CRUMB
- GR-GRANULAR
- SBK-SUBANGULAR BLOCKY
- ABK-ANGULAR BLOCKY
- PL-PLATY
- PR-PRISMATIC

MINERALOGY

SLIGHTLY EXPANSIVE

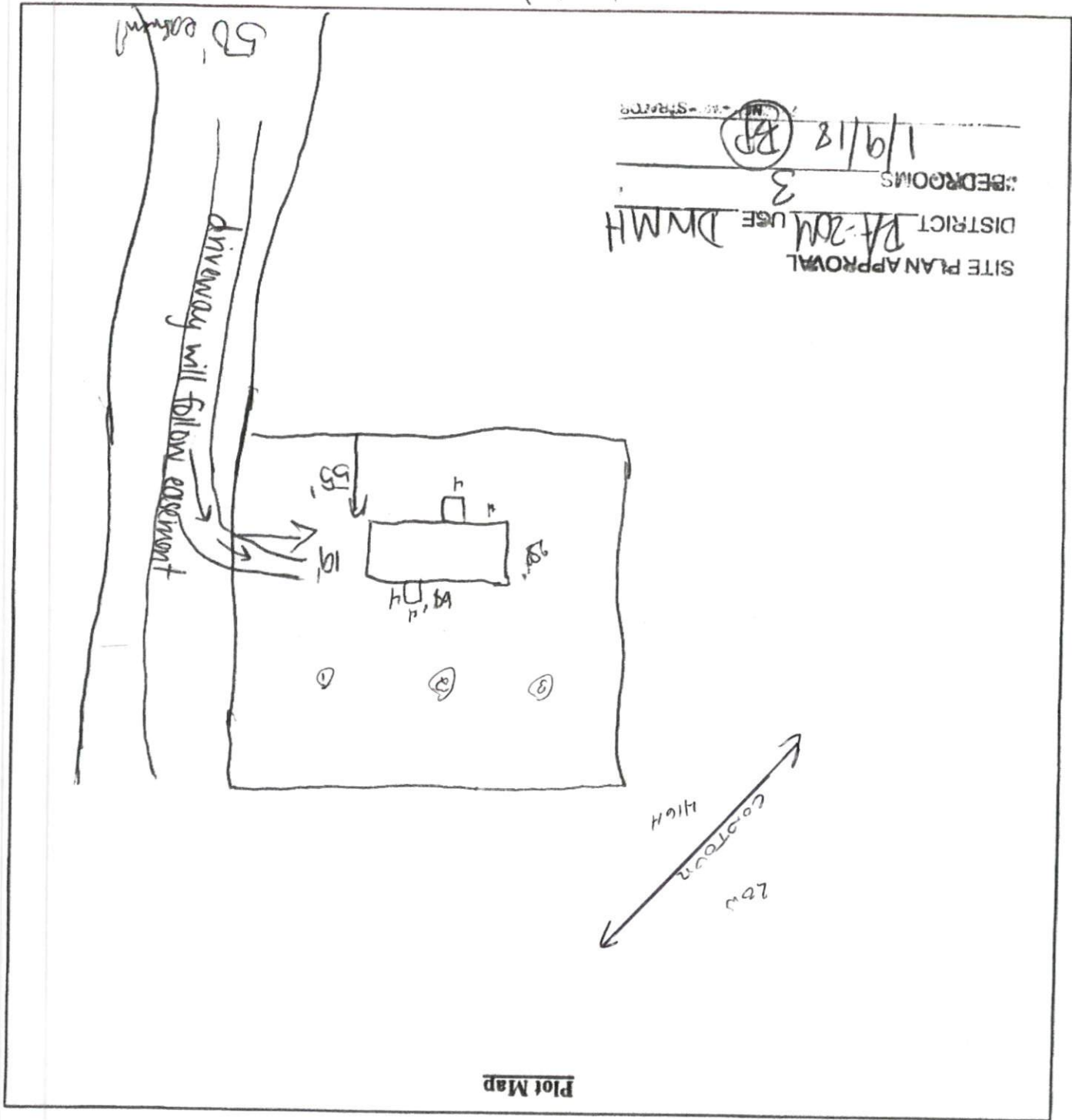
EXPANSIVE

Show profile locations and other site features (dimensions, references or benchmark, and North)

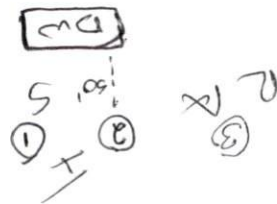


APPENDUM TO THE SALES AGREEMENT

Plot Map



Hwy 42



Southeastern Soil & Environmental Associates, Inc.

P.O. Box 9321
Fayetteville, NC 28311
Phone/Fax (910) 822-4540
Email mike@southeasternsoil.com

April 10, 2017

Harnett County Health Department
307 Cornelius Harnett Blvd.
Lillington, N.C. 27546

Re: Soil evaluation and final septic recommendation, 1.00 acre lot, Lot 5, Cozart Property, off NC Hwy. 42, Harnett County, North Carolina

To whom it may concern,

A preliminary soils investigation has been completed for the above referenced lot. The property is located off NC Hwy. 42 as shown on the accompanying map. The purpose of the investigation was to determine the ability of the soil to support any subsurface waste disposal system for the proposed lot. All ratings and determinations were made in accordance with "Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal, 15A NCAC 18A .1900".

The lot appears to contain at least one area that meets minimum criteria for subsurface waste disposal systems for at least a typical (60' x 60') 4 bedroom home (may include the use of conventional drainlines, gravelless drainlines, low pressure pipe, pumps, fill, large diameter pipe, french drains, pretreatment, drip irrigation, etc.). Soil characteristics in the usable areas were dominantly provisionally suitable to at least 18 inches (fill, drip irrigation and/or pretreatment) or 24 inches (conventional or LPP) including .1940, .1941, .1942, .1943, .1944 and .1945. A soil map indicating typical soil areas that meet these criteria is enclosed. The lot appears to contain sufficient available space for a repair area for at least a typical 4 bedroom home (may include the use of any of the systems mentioned above).

This lot may require specific design/layout on our part prior to action by the local health department due to space and soil considerations (at separate cost to client). Alternative systems (mentioned above) could be required on the lot to compensate for shallow unsuitable soil conditions. Specific house location, house size, driveway location and/or side entry garage may be required on any individual lot. There should be no grading, logging or other site disturbance in soil areas designated as usable for subsurface waste disposal until approved by the local health department (any site disturbance could remove soil and render the area unusable).

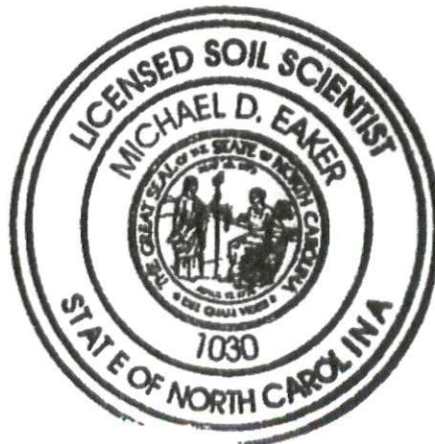
When evaluated, the soil areas designated as usable for subsurface waste disposal were dry to at least 24 inches. During wetter time periods, subsurface water could be found in any of these soil areas at shallower depths. The local health department has the authority to deny a permit to any soil where water saturates a soil boring. SSEA cannot be certain that this will not occur on any of these lots. If this occurs (and cannot be remedied with a french drain or other drainage), any of these lots could become unsuitable due to .1942 (soil wetness).

As with any property, this report does not guarantee, represent or imply approval or issuance of improvement permit as needed by the client from the local health department (as such, any potential buyers of these properties should obtain appropriate permits from the local health department prior to making and/or completing purchase obligations or financial commitments. Since professional opinions sometimes differ, an actual improvement permit issuance by the local health department is the only guarantee of a site's suitability for a buyers intended use.). This report only addresses rules in force at the time of evaluation. Permits will only be granted if the local health department concurs with the findings of this report. This report only represents my professional opinion as a licensed soil scientist. I trust this is the information you require at this time. If you have any questions, please call.

Sincerely,

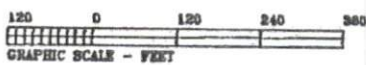


Mike Eaker
NC Licensed Soil Scientist



**MINOR SUBDIVISION & RECOMBINATION SURVEY FOR:
MURRAY COZART, PERRY COZART & KAREN COZART**

DEED BOOK 305 PAGE 45
PIN #0825-59-2978.000
BUCKHORN TOWNSHIP
HARNETT COUNTY - NORTH CAROLINA
SCALE: 1" = 120' DECEMBER 20, 2016



BENTON W. DEWAR AND ASSOCIATES
PROFESSIONAL LAND SURVEYOR
5920 HONEYCUTT ROAD
HOLLY SPRINGS, NC 27540
PH. # (919) 552-0813
FAX # (919) 557-2555

PROPERTY OWNERS

MURRAY COZART, PERRY COZART & KAREN COZART
PIN #0825-59-2978.000
D.B. 3002 PG. 34
MAP #2001-533

LOT 1
MURRAY COZART
PIN #0825-59-2978.000
D.B. 1546 PG. 792
MAP #2001-533
P.C. # SLIDE 303C
HOLLY SPRINGS, NC 27540

LOT 2R
KAREN COZART
PIN #0825-59-2978.000
D.B. 1711 PG. 122
MAP #2003-353
P.C. # SLIDE 303C
HOLLY SPRINGS, NC 27540

CURVE	RADIUS	LENGTH	DELTA	CHORD	CHORD BEARING	COURSE	BEARING	DISTANCE
C-1	400.00'	157.44'	22°33'06"	156.43'	N 28°42'37"W	L-1	S 80°17'37"W	33.80'
C-2	230.00'	86.85'	18°31'45"	86.23'	N 28°42'46"W	L-2	S 48°28'30"W	28.22'
C-3	25.00'	38.43'	89°22'23"	36.47'	N 84°31'12"W	L-3	S 42°23'37"W	24.38'
C-4	83.00'	38.22'	83°14'41"	33.21'	S 82°17'20"W	L-4	S 43°44'11"W	36.56'
C-5	373.80'	147.80'	22°33'06"	146.80'	N 28°42'46"W	L-5	N 38°28'00"E	75.00'
C-6	275.80'	85.33'	18°31'45"	84.88'	N 28°42'46"W	L-6	N 38°28'37"E	242.82'
C-7	225.80'	78.00'	18°31'45"	77.81'	S 28°42'46"W	L-7	N 87°34'24"E	25.07'
C-8	433.00'	167.25'	22°33'06"	166.20'	S 28°42'46"W	L-8	N 87°34'24"E	25.07'
						L-9	S 38°38'37"E	240.88'
						L-10	S 38°28'00"E	24.43'
						L-11	S 38°28'00"E	17.53'
						L-12	S 47°53'25"W	11.33'
						L-13	S 43°52'18"W	13.37'
						L-14	S 38°28'37"E	85.81'
						L-15	N 40°15'27"W	64.50'



EP CONTROL CORNER
N - 280728.91'
E - 2021168.14'

ROBERT DRAVE
D.B. 1956 PG. 393
MAP #2004-1030

S 86°28'34"E 1310.47'



LEGEND

- EP - EXISTING IRON PIPE
- ES - EXISTING IRON STAKE
- EC - EXISTING COTTON SPIKE
- R/W - RIGHT OF WAY
- D.B. - DEED BOOK
- P.C. - PLAT CORNER
- UP - UTILITY POLE

NOTES

AREA BY COORDINATES
NC GRID COORDINATES OBTAINED USING VES GPS OBSERVATIONS
ON MARCH 18, 2015, REFERENCED TO NC CORS STATION "NOL".
PROPERTY SUBJECT TO ABOVE AND BELOW GROUND
UTILITIES AND/OR EASEMENTS.
PROPERTY ZONED RA-20M

THIS PROPERTY IS NOT LOCATED IN A
FLOOD HAZARD AREA PER
F.E.M.A. MAP #272002400J
EFF. DATE 10/3/2009 ZONE X

REFERENCES

- D.B. 305 PG. 45
- MAP #2001-533
- MAP #2003-353
- P.C. # SLIDE 303C
- P.C. # SLIDE 305B
- OTHERS AS SHOWN

= Provisionally Suitable Soil

= Unsuitable

CERTIFICATE OF SURVEY, RECOMBINATION AND SUBDIVISION

I, [NAME], hereby certify that I am the owner of the land described in
this certificate and that the plan of subdivision shown on this
certificate complies with the provisions of the laws of North Carolina
and that I have caused the same to be recorded in the public records
of the State of North Carolina. I have caused the same to be
recorded in the public records of the State of North Carolina.

DATE: _____
BY: _____
TITLE: _____

I, [NAME], hereby certify that the development depicted herein has been
previously approved from Harnett County E-911 Addressing,
Environmental Health, Planning, Public Utilities, and the
North Carolina Department of Transportation. This plan is subject
to any and all conditions stated below and is eligible for
recognition in the Harnett County Register of Deeds within thirty
days of the date below.

E-911 Addressing - _____
Public Utilities (Not for Construction) - _____
NCDOT - _____

Subdivision Administrator Date: _____
FIRST BAPTIST CHURCH
D.B. 806 PG. 70
MI 10-32

REVIEW OFFICER'S CERTIFICATE
STATE OF NORTH CAROLINA
COUNTY OF _____
BARKLEY ARNOLD
D.B. 1546 PG. 372
MI 10-32

I, [NAME], REVIEW OFFICER OF _____ COUNTY,
CERTIFY THAT THE MAP OR PLAT TO WHICH THIS CERTIFICATION
IS APPLIED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING

REVIEW BY: _____
DATE: _____

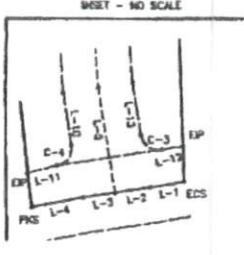
I, BENTON W. DEWAR, PROFESSIONAL LAND SURVEYOR
NO. 3040, CERTIFY:
THAT THIS PLAT IS OF A SURVEY THAT CREATES A
SUBDIVISION OF LAND THAT IS REGULATED BY COUNTY
OR MUNICIPALITY ORDINANCE THAT REGULATES
PARCELS OF LAND.

BENTON W. DEWAR NCPLS - 3040

I, BENTON W. DEWAR CERTIFY THAT THIS PLAT WAS DRAWN UNDER
MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY
SUPERVISION AND THAT THE DATE OF RECORDING IS 1-
THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES
PLOTTED FROM PERFORMANCE FOLDS IN BOOK
PAGE _____ THAT THIS PLAT WAS PREPARED IN ACCORDANCE
WITH G.S. 47-32 AS AMENDED, WITNESS MY ORIGINAL SIGNATURE,
LICENSE NUMBER AND SEAL THIS _____ DAY OF _____ 20____

BENTON W. DEWAR NCPLS - 3040

HARNETT COUNTY
NORTH CAROLINA
FILED DATE: _____ TIME: _____
MAP NUMBER: _____
BARKLEY S. HARGROVE
REGISTER OF DEEDS
BY: _____ DEPUTY



9651
WC 40



CURVE	RADIUS	LENGTH	DELTA	CHORD	CHORD BEARING	COURSE	BEARING	DISTANCE
C-1	400.00'	157.44'	22.3706°	156.43'	N 28°07'27"W	L-1	S 80°17'37"W	33.80'
C-2	250.00'	86.65'	19°21'43"	86.23'	N 28°47'45"W	L-2	S 48°29'30"W	26.22'
C-3	25.00'	36.43'	89°22'33"	36.47'	N 84°31'12"W	L-3	S 48°29'30"W	24.38'
C-4	25.00'	36.32'	87°14'41"	36.31'	N 87°17'28"W	L-4	S 43°54'41"W	26.86'
C-5	275.00'	147.86'	22°37'08"	146.85'	N 28°07'27"W	L-5	N 38°20'00"W	76.50'
C-6	275.00'	85.33'	19°11'43"	84.88'	N 28°07'40"W	L-6	N 38°20'00"W	242.80'
C-7	225.00'	78.07'	19°31'12"	77.81'	S 28°45'46"E	L-7	N 87°34'24"E	23.07'
C-8	425.00'	187.25'	22°37'08"	186.25'	S 28°07'27"E	L-8	N 37°34'24"E	23.07'
						L-9	S 38°20'00"E	246.86'
						L-10	S 38°20'00"E	24.43'
						L-11	S 38°20'00"E	17.83'
						L-12	S 41°53'25"W	11.33'
						L-13	S 43°52'18"W	13.37'
						L-14	S 38°20'00"E	65.51'
						L-15	N 47°15'37"W	64.59'

EP CONTROL CORNER
N - 860728.91'
E - 2034185.18'



**MINOR SUBDIVISION & RECOMBINATION SURVEY FOR:
MURRAY COZART, PERRY COZART & KAREN COZART**

DEED BOOK 305 PAGE 45
PIN #0625-59-2978.000
BUCKHORN TOWNSHIP
HARNETT COUNTY - NORTH CAROLINA
SCALE: 1" = 120' DECEMBER 20, 2016



BENTON W. DEWAR AND ASSOCIATES
PROFESSIONAL LAND SURVEYOR
6920 HONEYCUTT ROAD
HOLLY SPRINGS, NC 27540
PH # (919) 552-9813
FAX # (919) 657-2255

PROPERTY OWNERS

MURRAY COZART, PERRY COZART & KAREN COZART
PIN #0625-59-2978.000
D.B. 3002X PG. 34
MAP #2001-033

LOT 1
MURRAY COZART
PIN #0625-59-2978.000
D.B. 1546 PG. 792
MAP #2001-033
9551 NC 42
HOLLY SPRINGS, NC 27540

LOT 2R
KAREN COZART
PIN #0625-59-2978.000
D.B. 1711 PG. 122
MAP #2003-353
9555 NC 42
HOLLY SPRINGS, NC 27540

- LEGEND**
- EP - EXISTING IRON PIPE
 - ES - EXISTING IRON STAKE
 - ECS - EXISTING COTTON SPRING
 - R/W - RIGHT OF WAY
 - D.B. - DEED BOOK
 - P.C. - PLAT CANNOT
 - UP - UTILITY POLE

NOTES

AREA BY COORDINATES
NC GRID COORDINATES OBTAINED LEANO VHS GPS OBSERVATIONS ON MARCH 18, 2015, REFERENCED TO NC COGS STATION "NCL". PROPERTY SUBJECT TO ABOVE AND BELOW GROUND UTILITIES AND/OR EASEMENTS. PROPERTY ZONED RA-20M

THIS PROPERTY IS NOT LOCATED IN A FLOOD HAZARD AREA PER F.E.M.A. MAP #172000240J1 EFF. DATE 10/17/2009 ZONE X

ROBERT DRUPE
D.B. 1998 PG. 793
MAP #2004-1030

- REFERENCES**
- D.B. 305 PG. 45
 - MAP #2001-033
 - MAP #2003-353
 - P.C. # SLKX 303C
 - P.C. # SLKX 305B
 - OTHERS AS SHOWN

⊠ = Provisionally Suitable Soil

⊠ = UNSUITABLE

CERTIFICATE OF SURVEY, RECOMBINATION AND APPROVED

I (we) HEREBY CERTIFY THAT I (WE ARE) BE ORDERED BY ACT OF THE PROPERTY OWNER AND DISTRICT RECORD AND THAT I (WE) HEREBY ADAPT THIS PLAN OF SUBDIVISION WITH MY (OUR) FREE CONSENT, ESTABLISH THE BOUNDARY BOUNDS, BOUND LINES AND LOCATE ALL STREETS, ALLEYS, EASEMENTS, RIGHTS AND GRANTS AND EASEMENTS TO PUBLIC OR PRIVATE USE AS NOTED, ALL OF THE LAND SHOWN HEREIN IS WITHIN THE DISTRICT REGULATION JURISDICTION OF HARNETT COUNTY EXCEPT:

NAME _____

THE PARCEL ID NUMBER _____

OWNER _____

OWNER _____

OWNER _____

I, hereby certify that the development depicted herein has been granted final approval from Harnett County E-911 Addressing, Environmental Health, Planning, Public Utilities, and the North Carolina Department of Transportation. This plat is subject to any and all conditions stated below and is eligible for recordation in the Harnett County Register of Deeds within thirty days of the date below.

E-911 Addressing - _____

Public Utilities (Not for Construction) - _____

MODOT - _____

Subdivision Administrator _____ Date _____

REVIEW OFFICER'S CERTIFICATE
STATE OF NORTH CAROLINA
COUNTY OF _____

REVIEW OFFICER OF _____ COUNTY,
CERTIFY THAT THE MAP OR PLAT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING

WHEN OFFICER _____

DATE _____

I, BENTON W. DEWAR, PROFESSIONAL LAND SURVEYOR NO. 3040, CERTIFY THAT THIS PLAT IS OF A SURVEY THAT CREATES A SUBDIVISION OF LAND THAT IS REGULATED BY COUNTY OR MUNICIPAL ORDINANCE THAT REGULATES PARCELS OF LAND.

BENTON W. DEWAR NOTES - 3040

I, BENTON W. DEWAR CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION THAT THE RATIO OF PRECISION IS 1: _____ THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS DOTTED LINES PLOTTED FROM INFORMATION FURNISHED BY BOOK _____ THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 27-37 AS AMENDED, WITHIN MY ORIGINAL SIGNATURE LICENSE NUMBER AND SEAL THIS _____ DAY OF _____ 20 _____

PIN #0625-59-2978.000
ORIGINAL AREA
29.154 ACRES
NEW AREA
26.154 ACRES

FREE SURVEY CHAIN
M.B. 18-33-70



ANGLE CONTROL CORNER
N - 80846.37'
E - 2025506.13'

COLOR HOBBS
D.B. 508 PG. 70
P.C. # SLKX 303C
P.C. # SLKX 305B

NEW 50' EGRESS/EGRESS & UTILITY EASEMENT

SEE INSET FOR DETAIL

INSET - NO SCALE

HARNETT COUNTY
NORTH CAROLINA
FILED DATE _____ TIME _____

MAP NUMBER _____
KIMBERLY S. HARRISON
REGISTER OF DEEDS

