X:\projects\4792-LANGDON PROPERTY\4792-LANGDON PROPERTY-DRIVEWAY PIPE REVISION.dwg

TN EXPORT FROM RESIDENTIAL DEVELOPMENT (EAST SIDE) TN EXPORT FROM TN EXPORT FROM TYPE OF LAND COVER AREA (ÁCRES) TN EXPORT COEF. (LBS/AC/YR) USE (LBS/YR) SITE (LBS/AC/YR) PERMANENTLY PROTECTED UNDISTURBED OPEN 0.0 0.6 0.0 SPACE (FOREST, UN-MOWN MEADOW) PERMANENTLY PROTECTED MANAGED OPEN SPACE (LAWN, 0.0 1.2 0.0 GRASS, LANDSCAPING, RIGHT-OF-WAY (READ 0.95 8.0 7.60 TN EXPORT FROM GRAPH 1) LOTS (READ TN EXPORT FROM GRAPH 7.07 3.0 21.21 TOTALS 8.02 28.81

NITROGEN EXPORT IS 3.6 LBS/AC/YR WHICH IS EQUAL TO THE 3.6 LBS/AC/YR LIMIT. THEREFORE NO NITROGEN OFFSET PAYMENT OR WATER QUALITY BMPS WILL BE REQUIRED. PROJECT IS NOT LOCATED IN THE ENVIRONMENTALLY SENSITIVE OVERLAY DISTRICT. SITE IS LIMITED TO 15% IMPERVIOUS AREA.

IMPERVIOUS SURFACE CALCULATIONS (EAST SIDE)

349296SF (8.02 AC.) IN SUBDIVISION

AVERAGE FOR SITE

52394SF (1.203 AC.) ALLOWABLE IMPERVIOUS SURFACE

20081SF (0.46 AC.) PROPOSED PAVEMENT + 32285SF (2935 SF IMPERVIOUS PER 11 LOTS) (0.74AC.) 52336SF TOTAL PROPOSED IMPERVIOUS BY DESIGN (1.202 AC)

1.202 AC./8.02 AC. = 14.99%

CERTIFICATE OF APPROVAL BY PUBLIC UTILITIES:

THE DIRECTOR OF PUBLIC UTILITIES FOR COUNTY OF JOHNSTON, NORTH CAROLINA, HEREBY CERTIFIES THAT THIS PLAT MEETS ALL JOHNSTON COUNTY STANDARDS AND REQUIREMENTS FOR PUBLIC UTILITIES REQUIRED BY THE JOHNSTON COUNTY ORDINANCES. UPON RECORDATION OF THIS PLAT, JOHNSTON COUNTY ACCEPTS THE OWNER'S OFFER OF DEDICATION FOR PUBLIC WATER AND/OR SANITARY SEWER PURPOSES ALL EASEMENTS, COMMON AREAS, AND/OR RIGHTS-OF-WAY SHOWN AND DELINEATED ON THIS PLAT AS DEDICATED FOR PUBLIC UTILITY PURPOSES. NO STRUCTURES OR FENCES SHALL BE PLACED WITHIN THE PUBLIC UITLITY EASEMENTS. ACCESS TO THE DEDICATED AREAS SHALL NOT BE BLOCKED OR OBSTRUCTED BY ANY FENCE OR STRUCTURES. UNLESS PRE-APPROVED ACCESS IS PROVIDED WITH A 12' MINIMUM OPENING GATE. THE COUNTY SHALL HAVE THE RIGHT TO CLEAR AND/OR REMOVE ANY VEGETATION WITHIN THE PUBLIC UTILITY EASEMENTS, FURTHERMORE, THE COUNTY WILL NOT REPLACE ANY LANDSCAPING (OTHER THAN GRASS, WHICH WILL BE REPLACED WITH SEED) WITHIN THE PUBLIC UTILITY EASEMENT AREA DISTURBED FOR MAINTENANCE OF THE UTILITIES.

NOTICE TO CONNECT TO PUBLIC UTILITY SYSTEM (Major Subdivisions Only)
HOMEOWNER IS REQUIRED TO CONNECT TO PUBLIC WATER (AND SEWER, WHERE AVAILABLE) BEFORE CERTIFICATE OF OCCUPANCY IS ISSUED FOR THE PRINCIPAL

CERTIFICATE OF OWNERSHIP AND DEDICATION

I HEREBY CERTIFY THAT I AM THE OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON, WHICH IS LOCATED IN THE SUBDIVISION JURISDICTION OF JOHNSTON COUNTY AND THAT I HEREBY ADOPT THIS SUBDIVISION PLAN WITH MY FREE CONSENT, ESTABLISH MINIMUM SETBACK LINES, AND DEDICATE ALL STREETS, ALLEYS, PARKS AND OTHER SITES AND EASEMENTS TO PUBLIC OR PRIVATE USE AS NOTED.

CERTIFICATE OF FLOODWAY INFORMATION PROPERTY SHOWN HEREON _____ IS _X__ IS NOT LOCATED IN A FEMA DESIGNATED FLOOD ZONE. FLOOD HAZARD PANEL NO. 3720162290K EFEECTIVE DATE: JUNE 20, 2018 SURVEYOR

SUBJECT TO JOHNSTON COUNTY MINIMUM BUILDING SETBACK REQUIREMENTS, CONSULT WITH JOHNSTON COUNTY PLANNING AND INSPECTIONS DEPARTMENTS FOR ALL APPLICABLE BUILDING SETBACKS, RALEIGH ROAD HAS A 70 FT. MINIMUM SETBACK. ZACK'S MILL RD. HAS A 50' SETBACK. ALL BUILDINGS SHALL BE LOCATED OUTSIDE OF ALL

STATE OF NORTH CAROLINA

COUNTY OF JOHNSTON AND ENTITION COUNTY, CERTIFY THAT THE MAP OR PLAT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING!

JOHNSTON COUNTY REGISTER OF DEEDS STATE OF NORTH CAROLINA, JOHNSTON COUNTY

THIS INSTRUMENT WAS PRESENTED FOR REGISTRATION AND RECORDING THIS 5 DAY OF LULY 2019 AT 8:26:39

Chaig Olivery Many & Mose REG. OF DEEDS AGET. REG. OF DEEDS

TN EXPORT FROM RESIDENTIAL DEVELOPMENT (WEST SIDE)

THE EXTENSION TREORDER	THE EXPORT THOM RESIDENTIAL DEVELOT MENT (MEST SIDE)					
(1) TYPE OF LAND COVER	(2) AREA (ACRES)	(3) TN EXPORT COEF. (LBS/AC/YR)	(4) TN EXPORT FROM USE (LBS/YR)	(5) TN EXPORT FROM SITE (LBS/AC/YR)		
PERMANENTLY PROTECTED UNDISTURBED OPEN SPACE (FOREST, UN-MOWN MEADOW)	0.0	0.6	0.0			
PERMANENTLY PROTECTED MANAGED OPEN SPACE (LAWN, GRASS, LANDSCAPING, ETC.)	0.0	1.2	0.0			
RIGHT-OF-WAY (READ TN EXPORT, FROM GRAPH 1)	1.19	/ 7.4	8.81			
LOTS (READ TN EXPORT FROM GRAPH 2)	10.42	3.2	33.34			
TOTALS	11.61		42.15			
AVERAGE FOR SITE				3.6		

NITROGEN EXPORT IS 3.6 LBS/AC/YR WHICH IS EQUAL TO THE 3.6 LBS/AC/YR LIMIT. THEREFORE NO NITROGEN OFFSET PAYMENT OR WATER QUALITY BMPS WILL BE REQUIRED. PROJECT IS NOT LOCATED IN THE ENVIRONMENTALLY SENSITIVE OVERLAY DISTRICT. SITE IS LIMITED TO 15% IMPERVIOUS AREA.

IMPERVIOUS SURFACE CALCULATIONS (WEST SIDE)

505474SF (11.6 AC.) IN SUBDIVISION

75821SF (1.74 AC.) ALLOWABLE IMPERVIOUS SURFACE

24047SF (0.55 AC.) PROPOSED PAVEMENT + 51680SF (3,040SF IMPERVIOUS PER 17 LOTS) (1.19AC.) 75727SF TOTAL PROPOSED IMPERVIOUS BY DESIGN (1.738 AC)

1.738 AC./11.6 AC. = 14.98%

DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS CERTIFICATION** PROPOSED SUBDIVISION ROAD CONSTAU STANDARDS CERTIFICATION

NOTE: ALL LOTS SHALL BE SERVED BY THE INTERNAL STREET SYSTEM ONLY

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

NOTE: SITE TRIANGLE TAKES PRECEDENT OVER ANY SIGN EASEMENT

NOTE: OWNER, DEVELOPER, OR CONTRACTOR SHALL SET THE CENTERLINE OF THE EXISTING ROADWAY DITCH BACK TO A MINIMUM OF 12 FEET FROM THE EXISTING/PROPOSED EDGE OF PAVEMENT ALONG ALL ROAD FRONT LOTS

NOTE: 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.

ROAD MAINTENANCE STATEMENT OF UNDERSTANDING

AM RESPONSIBLE FOR THE CONSTRUCTION, MAINTENANCE AND REQUIRED ROAD IMPROVEMENTS OF SUBDIVISION STREETS UNTIL: a) APPROVED/TAKEN OVER BY NORTH CAROLINA DEPARTMENT OF TRANSPORTATION FOR PUBLIC ROADS, OR

b) APPROVED/TAKEN OVER BY HOMEOWNERS ASSOCIATION FOR PRIVATE ROADS c) PRIVATE ROAD MAINTENANCE AGREEMENT IS SIGNED AND RECORDED BY OWNERS OF

EACHLOT

SUBDIVISION ADMINISTRATOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS RECORD PLAT HAS BEEN FOUND TO COMPLY WITH THE SUBDIVISION ORDINANCE OF JOHNSTON COUNTY, NORTH CAROLINA, AND THAT THIS PLAT HAS BEEN APPROVED FOR RECORDING IN THE REGISTER OF DEEDS OF JOHNSTON

CERTIFICATION FOR WATER SUPPLY AND SEWAGE DISPOSAL SYSTEMS CERTIFICATE OF PRELIMINARY APPROVAL OF WATER SUPPLY AND SEWAGE DISPOSAL SYSTEMS INSTALLED FOR INSTALLATION IN <u>J & S FARMS EAST & WEST</u> SUBDIVISION MEET PUBLIC HEALTH REQUIREMENTS AS DESCRIBED IN APPENDIX II JOHNSTON COUNTY SUBDIVISION REGULATIONS. FINAL APPROVAL FOR INDIVIDUAL LOTS WITHIN THIS SUBDIVISION WILL BE BASED ON DETAILED LOT EVALUATION UPON APPLICATION AND SUBMISSION OF PLAN FOR PROPOSED USE. THIS PRELIMINARY CERTIFICATION IS

ADVISORY ONLY AND CONFERS NO GUARANTEE.

5-23-2019

DATE

HEALTH REPRESENTATIVE

NOTE: EACH LOT SHOWN HEREON MAY REQUIRE THE USE OF SEWAGE PUMPS, LOW PRESSURE PIPE SYSTEMS, FILL SYSTEMS, INNOVATIVE SYSTEMS OR ANY OTHER ALTERNATIVE SYSTEM TYPE AND SITE MODIFICATIONS SPECIFIED IN THE NORTH CAROLINA LAWS AND RULES FOR SEWAGE TREATMENT AND DISPOSAL SYSTEMS, 15A NCAC 18A SECTION 1900. THE ACTUAL SYSTEM TYPE, DESIGN AND SITE MODIFICATIONS WILL BE DETERMINED AT THE TIME OF PERMITTING.

NOTES:

- 1. ALL INTERIOR LOTS SHALL HAVE A 10' DRAINAGE, SLOPE, AND UTILITY EASEMENT 5' EACH SIDE OF ALL LOT LINES,
- A 10' DRAINAGE AND UTILITY EASEMENT SHALL LIE INSIDE ALL EXTERIOR BOUNDARY LINES.
- A 10' WIDE GRADING, SLOPE, DRAINAGE, AND UTILITY EASEMENT IS RESERVED ON THE LOT SIDE OF AND ADJACENT TO ALL STREET RIGHT-OF-WAYS.
- NO DRIVEWAY SHALL BE LOCATED WITHIN 50 FEET OF A STREET INTERSECTION.
- 5. ALL HOUSE AND DRIVEWAY LOCATIONS SHALL BE COORDINATED WITH THE JOHNSTON COUNTY ENVIRONMENTAL HEALTH DEPARTMENT TO ASSURE RESERVING PROPER AREAS FOR SEPTIC SYSTEMS.
- NEW 1/2" REBAR AT ALL CORNERS UNLESS OTHERWISE NOTED.
- ALL LOTS SHALL BE SERVED BY PUBLIC WATER PROVIDED BY JOHNSTON COUNTY AND INDIVIDUAL SEPTIC SYSTEMS AND SHALL MEET ALL APPLICABLE REGULATIONS.
- ALL LOTS SHALL MEET APPLICABLE MINIMUM SETBACK REQUIREMENTS
- THIS PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS, RIGHT-OF-WAYS, OR AGREEMENTS OF RECORD.
- 10. EACH LOT (WEST SIDE) IS LIMITED TO 3,040 SF OF IMPERVIOUS AREA OR A TOTAL OF 51,680 SF TOTAL FOR THE 17 LOTS IN THIS SUBDIVISION (WEST SIDE). IMPERVIOUS AREA INCLUDES ALL BUILDINGS, SHEDS, SIDEWALKS, COVERED PORCHES, DRIVEWAYS AND SURFACES SUCH AS GRAVEL, CONCRETE, ASPHALT BRICK, SLATE OR STONE THAT IMPEDE THE INFILTRATION OF WATER INTO THE SOIL. THE MAXIMUM IMPERVIOUS AREA ALLOWED PER LOT SHOULD INCLUDE ANY IMPERVIOUS AREA PROPOSED WITHIN THE PORTION OF THE RIGHT-OF-WAY
- BETWEEN THE EDGE OF ROADWAY PAVEMENT AND THE FRONT LOT LINE. 11. EACH LOT (EAST SIDE) IS LIMITED TO 2,935 SF OF IMPERVIOUS AREA OR A TOTAL OF 32,285 SF TOTAL FOR THE 11 LOTS IN THIS SUBDIVISION (EAST SIDE). IMPERVIOUS AREA INCLUDES ALL BUILDINGS, SHEDS, SIDEWALKS, COVERED PORCHES, DRIVEWAYS AND SURFACES SUCH AS GRAVEL, CONCRETE, ASPHALT, BRICK, SLATE

OR STONE THAT IMPEDE THE INFILTRATION OF WATER INTO THE SOIL. THE MAXIMUM IMPERVIOUS AREA ALLOWED PER LOT SHOULD INCLUDE ANY IMPERVIOUS AREA PROPOSED WITHIN THE PORTION OF THE RIGHT-OF-WAY BETWEEN THE EDGE OF ROADWAY PAVEMENT AND THE FRONT LOT LINE.

Curve Table					
Curve #	Length	Radius	Chord Bearing	Chord Length	
C22	39.25'	25.00'	S 32°18'13" E	35.34'	
C23	80.19	335.00'	N 70°25'29" W	80.00'	
C24	80.19	335.00'	N 56'42'34" W	80.00′	
C25	21.03'	25.00'	S 71°20′18″ E	20.41	
C26	44.70'	50.00'	N 69°49'19" W	43.23'	
C27	42.21	50.00'	N 20°01'39" W	40.97'	
C28	41.15'	50.00'	N 27°44'03" E	40.00'	
C29	41.15	50.00'	N 74°53'26" E	40.00'	
C30	49.40'	50.00'	S 53'13'36" E	47.42'	
C31	22.57'	50.00'	S 11'59'16" E	22.38'	
C32	21.03'	25.00'	N 23'08'56" W	20.41'	
C33	63.68'	285.00'	N 54*09'02" W	63.55'	
C34	46.57	25.00'	S 66'04'59" W	40.12'	
C35	21.03'	25.00'	S 11°22'38" E	20.41	
C36	68.83'	50.00'	N 03°57′44″ E	63.52'	
C37	65.89'	50.00'	N 81°08'48" E	61.22'	
C38	41.15'	50.00'	S 37'31'29" E	40.00'	
C39	47.16	50.00'	S 13'04'19" W	45.43'	
C40	18.17	50.00'	S 50°29'56" W	18.07	
C41	21.03'	25.00'	N 36'48'44" E	20.41'	
C42	39.27	25.00'	N 32'16'57" W	35.36'	
C43	39.62'	25.00'	S 57'19'17" W	35.60'	
C44	15.25	335.00'	N 48'32'52" W	15.25'	
C45	39.27	25.00'	S 85*26'26" E	35.36'	
C46	19.87	335.00'	S 51'15'30" W	19.86'	
C47	80.19	335.00'	S 59'48'54" W	80.00'	
C48	86.19	335.00'	S 74'02'36" W	85.95'	
C56	68.86'	285.00'	S 86'23'08" W	68.69'	
C57	44.11'	25.00'	S 28'55'12" W	38.61'	
C58	31.84	205.00'	S 26°04'22" E	31.81'	
C64	42.68'	255.00'	S 38'49'26" E	42.63'	
C65	55.21	255.00'	S 27"49'36" E	55.11'	
C66	44.11	25.00'	N 72*10'03" W	38.61'	
C67	12.08'	285.00'	S 56'04'29" W	12.08'	
C68	39.27	25.00'	S 04'33'34" W	35.36'	
C69	26.08'	50.00'	S 58'33'31" E	25.78'	
C70	54.16'	50.00'	N 75°28'01" E	51.55'	
C71	52.06'	50.00'	N 14°36'14" E	49.74	
C72	82.97	50.00'	N 62*45'56" W	.73.77'	
C73	34.81	25.00'	S 70°24'49" E	32.07	
C74	25.42	335.00'	S 83'35'16" W	25.41'	
C75	28.58	25.00'	N 53*00'58" E	27.05'	
C76	87.56'	50.00'	S 70'26'17" W	76.79'	
C77	41.15	50.00'	N 35'49'00" W	40.00'	
C78	41.15	50.00'	N 11°20'23" E	40.00'	
C79	50.95	50.00'	N 64'06'46" E	48.78'	

Line Table				
Line #	Length	Direction		
L1	50.47	S 41*15'05" E		
L2	31.52'	S 41°15'05" E		
L3	68.89'	S 42'31'36" E		
L4	14.24'	S 42"31'36" E		
L5	105.54	S 43*44'02" E		
L6	40.76	S 44*12'39" E		
L7	51.78'	S 46'29'52" E		
L8	51.96'	S 46°06'02" E		
L9	52.54	S 47'52'48" E		
L11	71.98'	S 54*23'56" E		
L12	42.92'	N 18°20'27" E		
L13	28.11'	N 15*46'31" E		
L14	74.22	N 15*46'31" E		
L15	25.88	N 11*57'46" E		
L16	74.66'	N 11'57'46" E		
L17	100.34	N 11*57'46" E		
L18	99.05'	N 12*40'31" E		
L19	77.07	N 15°16'31" E		
L21	.21.17 ¹	N 66'32'01" W		
L22	30.10'	N 47*14'37" W		
L23	21.16	N 27°57'13" W		
L25	54.82'	N 44°12'39" W		
L26	25.08'	N 42°12'30" W		
L27	63.62'	N 42°12'30" W		
L28	36.41	N 40°26'26" W		
L29	100.00'	N 40°26'26" W		
L30	95.74	N 49°33′34″ E		
L33	37.82'	N 21°37'25" W		
L34	28.09'	N 43°37'05" W		
L35	37.82	N 21°37'25" W		
L36	20.05	N 32°48'00" E		
L37	29.89'	N 49'33'34" E		
L38	21.19'	N 68'50'58" E		
L39	52.99'	N 49'33'34" E		



PROPERTY DEVELOPER(S): CREECH-LAN, LLC 5160 NC HWY 42 W GARNER, NC 27529 M \$ SION

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