

Southeastern Soil & Environmental Associates, Inc.

P.O. Box 9321
Fayetteville, NC 28311
Phone/Fax (910) 822-4540
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November 18, 2016

Wake County Health Department
PO Box 550
Raleigh, N.C. 27602

Re: Soil evaluations and septic recommendations, Jean F. Walker Subdivision, Lots 2 – 6, NCSR 2743 Turner Fish Road, Wake County, North Carolina

To whom it may concern,

A preliminary soils investigation (by soil auger) has been completed for each of the above referenced lots during the month of November, 2016. The property is located on Turner Fish Road as shown on the accompanying map. At the time of the evaluation, no street or utility improvements had been made to the property. The purpose of the investigation was to determine the ability of the soil to support any subsurface waste disposal system for each proposed lot to serve at least a 4 bedroom home. All lots will likely be provided with public water. All ratings and determinations were made in accordance with "Regulations Governing Sewage Treatment and Disposal Systems in Wake County" effective November 21, 1988 and subsequently amended.

Soils considered useable (for subsurface waste disposal) on this site appear to be similar to the Orangeburg soil series. These soils typically formed in Coastal Plain sediments. A typical soil profile is attached. No parent material or soil wetness was observed at depths shallower than 34 inches below the soil surface (greater than 50% by volume). These sites are dominated by linear slopes.

Each of lots 2 - 6 appear to contain at least 40,000 square feet of the previously described soil. Each lot appears to contain at least one area that meets minimum criteria for **subsurface** waste disposal systems for a 4 bedroom house (depending on house location, may include the use of conventional or innovative drainlines, LPP, pretreatment, pumps, etc.). Soil characteristics were dominantly provisionally suitable to at least 34 inches

(including those specified in rules .1940, .1941, .1942, .1943, .1944 and .1945). Enclosed is a soil map indicating typical soil areas that meet these criteria. Each of the lots appears to contain sufficient available space for a repair area for a typical 4 bedroom home (may include the use of LPP, innovative drainlines, pretreatment, etc.).

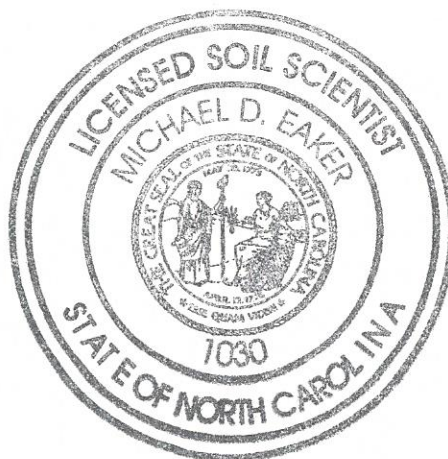
A typical long term acceptance rate used for these soils and systems is 0.3 gpd/sq. ft. (conventional, gravelless) or 0.15 gpd/sq. ft. (LPP). Any site grading or disturbance may destroy usable soil areas and render sites "unsuitable".

This report, of course, does not guarantee or represent approval or issuance of permit as needed by the client from the local health department. This report only represents my professional opinion as a licensed soil scientist. Because professional differences of opinion sometimes occur (regarding the suitability of soil for a septic system), a prospective buyer of any of these lots should obtain an improvement permit from the Wake County Health Department (for their intended use) prior making and/or completing any financial obligations or commitments (this is the only guarantee that a site will be permitted). Lots may require additional layouts with specific use prior to local health department action. Permits will only be granted if health department personnel concur with the findings of this report. I trust this is the information required at this time. If there are any questions, please call.

Sincerely,



Mike Eaker
President



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Typical Profile Description for Map Unit Orangeburg

This map unit consists of well drained, moderately permeable soils on uplands. These soils formed in Coastal Plain sediments. Slopes range from 0 to 4 percent.

Ap - 0 to 6 inches; grayish brown (10YR 5/2) loamy sand; weak medium granular structure; very friable; many fine roots; abrupt smooth boundary.

E - 6 to 13 inches; pale brown (10YR 6/3) loamy sand; weak medium granular structure; very friable; few small roots; abrupt smooth boundary.

Bt1 - 13 to 28 inches; yellowish red (5YR 5/8) sandy clay loam; moderate medium subangular blocky structure; friable to firm; slightly sticky, slightly plastic; many fine roots; gradual wavy boundary.

Bt2 - 28 to 48 inches; yellowish red (5YR 5/8) sandy clay loam; many medium prominent brownish yellow (10YR 6/8) mottles; weak medium and fine subangular blocky structure; firm; slightly sticky, slightly plastic.

CERTIFICATION OF REVIEW BY LICENSED SOIL SCIENTIST

I HEREBY CERTIFY THAT THE LOT(S) _____ HAVE BEEN REVIEWED AS SHOWN ON THIS PLAT FOR _____ APPROPRIATE AND WITH RESPECT TO MINIMUM LOT REQUIREMENTS SET FORTH IN SECTION V OF THE REGULATIONS GOVERNING SEWAGE TREATMENT AND DISPOSAL SYSTEMS IN WAKE COUNTY AS AMENDED FROM TIME TO TIME AS OF THIS DATE AND BASED ON THIS REVIEW OF EXISTING SITE CONDITIONS THE LOTS NUMBERED ABOVE ON THIS PLAT WILL PRESUMABLY MEET THESE REGULATIONS.

I HEREBY CERTIFY THAT LOT(S) _____ SHOWN ON THIS PLAT FOR _____ APPROPRIATE AND WITH RESPECT TO ALTERNATIVE REQUIREMENTS SET FORTH IN SECTION VI OF THE REGULATIONS GOVERNING SEWAGE TREATMENT AND DISPOSAL SYSTEMS IN WAKE COUNTY AS AMENDED FROM TIME TO TIME AS OF THIS DATE, AND BASED ON THIS REVIEW OF EXISTING SITE CONDITIONS THE LOTS NUMBERED ABOVE ON THIS PLAT WILL PRESUMABLY MEET THESE REGULATIONS.

PRELIMINARY CERTIFICATION DOES NOT REPRESENT APPROVAL OF A PERMIT FOR ANY SITE WORK, NOR DOES IT GUARANTEE ISSUANCE OF AN IMPROVEMENT PERMIT FOR ANY LOT. FINAL SITE APPROVAL FOR ISSUANCE OF IMPROVEMENT PERMITS IS BASED ON SATISFACTORY COMPLETION OF INDIVIDUAL SITE EVALUATIONS FOLLOWING APPLICATION FOR AN IMPROVEMENT PERMIT DETAILING A SPECIFIC USE AND SITTING.

ANY CHANGE IN USE OR ANY SITE ALTERATION MAY RESULT IN SUSPENSION OR REVOCATION OF CERTIFICATION.

DATE _____ NC LICENSED SOIL SCIENTIST(SEAL)

I, HEREBY CERTIFY THAT EACH LOT HAS ADEQUATE LAND AND SOIL CONDITIONS TO ACCOMMODATE A SEPTIC TANK.

DATE _____ NC LICENSED SOIL SCIENTIST

J.C. ADAMS INC.
D.B. 2804 PG. 324
B.M. 1998 PG. 1969
PIN #069567529

NEUSE RULES (OUTSIDE OF FALLS AND JORDAN LAKE BASIN): NOTICE TO LOT OWNERS: ADDITIONAL STATE STORMWATER MANAGEMENT REGULATIONS, THE NEUSE RULES APPLY COUNTYWIDE. RESIDENTIAL LAND DISTURBANCES OF >1 ACRE AND NON RESIDENTIAL LAND DISTURBANCES OF >1/2 ACRE REQUIRE SUBMITTAL OF A STORMWATER PLAN FOR COMPLIANCE WITH APPLICABLE STANDARDS TO WAKE COUNTY. LOT OWNER SEEKING BUILDING PERMITS FOR LAND DISTURBANCES EXCEEDING THESE THRESHOLDS MUST SUBMIT A STORMWATER PLAN.

WAKE COUNTY, NORTH CAROLINA

I, CERTIFY THAT I AM (WE ARE) THE OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON, WHICH IS IN THE SUBDIVISION JURISDICTION OF OF THE COUNTY OF WAKE AND THAT I (WE) HEREBY ADOPT THIS PLAT WITH MY (OUR) FREE CONSENT.

OWNER DATE
OWNER DATE

WAKE COUNTY - NORTH CAROLINA
I, A NOTARY PUBLIC OF THE COUNTY AND STATE AFORESAID, CERTIFY THAT

PERSONALLY APPEARED BEFORE ME THIS DAY AND ACKNOWLEDGED THE EXECUTION OF THIS FOREGOING INSTRUMENT.
WITNESS MY HAND AND SEAL THIS

WAKE COUNTY MINIMUM BUILDING SETBACKS
FRONT - 30'
SIDE - 10'
REAR - 30'
CORNER - 30'

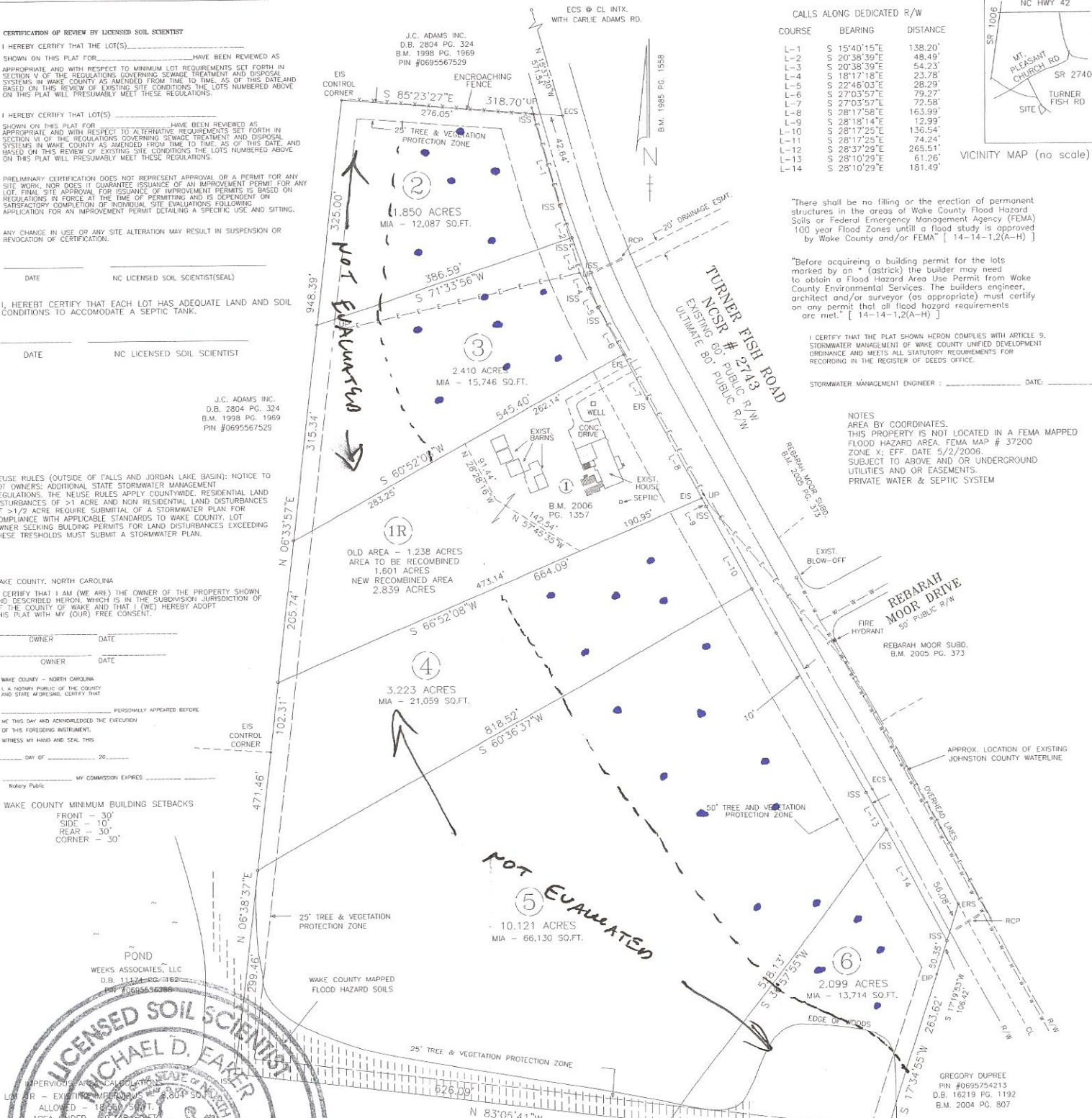
IMPERVIOUS SURFACE COVERAGE SHALL NOT EXCEED 10% OF THE SUBDIVISION IMPERVIOUS SURFACE LIMITS WILL BE STRICTLY ENFORCED TO PREVENT FLOODING (5-11.5.2016)

I, BENTON W. DEWAR, PROFESSIONAL LAND SURVEYOR NO. 3040, CERTIFY THAT THIS PLAT IS OF A SURVEY THAT OPERATES 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; THAT THE RATIO OF PRECISION IS 1:____; THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES PLOTTED FROM INFORMATION FOUND IN BOOK PAGE ____ THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH C.S. 47-30 AS AMENDED. WITNESS MY ORIGINAL SIGNATURE LICENSE NUMBER AND SEAL THIS _____ DAY OF _____

BENTON W. DEWAR, NCPLS - 3040



COURSE	BEARING	DISTANCE
L-1	S 15°40'15"E	138.20'
L-2	S 20°38'39"E	48.49'
L-3	S 20°38'39"E	54.23'
L-4	S 18°17'18"E	23.78'
L-5	S 22°46'03"E	28.29'
L-6	S 27°03'57"E	79.27'
L-7	S 27°03'57"E	79.58'
L-8	S 28°17'58"E	163.99'
L-9	S 28°18'14"E	12.99'
L-10	S 28°17'25"E	136.54'
L-11	S 28°17'25"E	74.24'
L-12	S 28°37'29"E	265.51'
L-13	S 28°10'29"E	61.26'
L-14	S 28°10'29"E	181.49'



"There shall be no filling or the erection of permanent structures in the areas of Wake County Flood Hazard Study or Federal Emergency Management Agency (FEMA) 100 year Flood Zones until a flood study is approved by Wake County and/or FEMA [14-14-1.2(A-H)]"

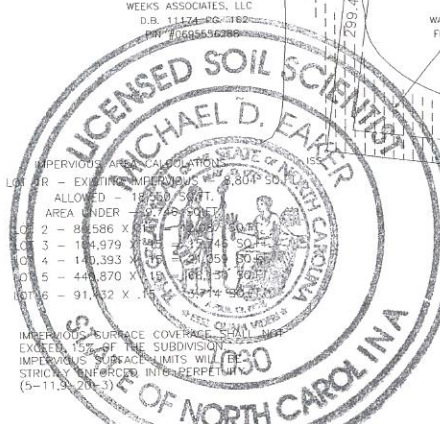
"Before acquiring a building permit for the lots marked by an * (astrix) the builder may need to obtain a Flood Hazard Area Use Permit from Wake County Environmental Services. The builders engineer, architect and/or surveyor (as appropriate) must certify on any permit that all flood hazard requirements are met." [14-14-1.2(A-H)]"

I CERTIFY THAT THE PLAT SHOWN HEREON COMPLES WITH ARTICLE 9, STORMWATER MANAGEMENT OF WAKE COUNTY UNIFIED DEVELOPMENT ORDINANCE AND MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING IN THE REGISTER OF DEEDS OFFICE.

STORMWATER MANAGEMENT ENGINEER : _____ DATE: _____

NOTES
AREA BY COORDINATES.
THIS PROPERTY IS NOT LOCATED IN A FEMA MAPPED FLOOD HAZARD AREA. FEMA MAP # 37200 ZONE X; EFF. DATE 5/2/2006.
SUBJECT TO ABOVE AND/OR UNDERGROUND UTILITIES AND/OR EASEMENTS.
PRIVATE WATER & SEPTIC SYSTEM

APPROX. LOCATION OF EXISTING JOHNSTON COUNTY WATERLINE
REBARAH MOOR DRIVE
REBARAH MOOR SUBD.
B.M. 2005 PG. 373



WAKE COUNTY CERTIFICATION

I, _____ PLANNING DIRECTOR AND REVIEW OFFICER OF WAKE COUNTY, CERTIFY THAT THIS PLAT CREATES A SUBDIVISION SUBJECT TO AND IN ACCORD WITH THE WAKE COUNTY UNIFIED DEVELOPMENT ORDINANCE, AND THAT IT MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.

DATE _____ PLANNING DIRECTOR / REVIEW OFFICER

Approval expires if not recorded on or before _____

LOT	FT ²	PS	SOIL
2	40,000 +		
3	40,000 +		
4	40,000 +		
5	40,000 +		
6	40,000 +		

PROVISIONALLY SUITABLE SOIL

MINOR SUBDIVISION FOR:
JEAN F. WALKER

7330 TURNER FISH RD - WILLOW SPRINGS, NC 27592
PIN # 0695657687
TRACT 4 BOOK OF MAPS 1985 PG. 1558
DEED BOOK 3570 PG. 32

PANTHER BRANCH TOWNSHIP
WAKE COUNTY, NORTH CAROLINA

SCALE: 1" = 400' 2016
REVISED: _____
100 0 100 200 300
GRAPHIC SCALE - FEET

BENTON W. DEWAR AND ASSOCIATES
PROFESSIONAL LAND SURVEYOR
5920 HONEYCUTT ROAD
HOLLY SPRINGS, NC 27540
PH. # (919)-552-9813

16-67L
LAYER 5
WALKER/06/000

