

Survey Provided by: **Abell & Phillips Surveying, PLLC**  
 604E CEDAR POINT BLVD.  
 SWANSBORO, N.C. 28584  
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 EMAIL: abellsurveying@tsp2.com

NOTE: EXCERPTS FROM 15A NCAC 18A - 1960 - LOCATION OF SANITARY SEWAGE SYSTEMS (APPLICABLE IN ITS ENTIRETY).  
 SUPPLY LINES SHALL BE LOCATED AT LEAST (HORIZONTAL DISTANCES):  
 5' MINIMUM FROM ANY PROPERTY LINE OR ANY OTHER NITRIFICATION FIELD  
 10' MINIMUM FROM THE TOP OF THE SLOPE OF EMBANKMENTS OR CUTS OF TWO FEET OR MORE VERTICAL HEIGHT

EFFLUENT TRANSMISSION LINE TERMINATION  
 CENTERLINE (SEGMENT LENGTH OR LOCATION)  
 NITRIFICATION FIELD EASEMENT BOUNDARY  
 DIMENSIONS

EFFLUENT TRANSMISSION TRENCH  
 CENTERLINE (SEGMENT LENGTH OR LOCATION)  
 NITRIFICATION FIELD EASEMENT BOUNDARY  
 DIMENSIONS

EASEMENT (10' MINIMUM) SURROUNDING EACH  
 NITRIFICATION SYSTEM AND REPAIR FIELD (TYPICAL)

NITRIFICATION SYSTEM AND REPAIR FIELD  
 WITH MANIFOLD SYSTEM (TYP-LINO)

EFFLUENT SUPPLY LINES  
 TRENCH CENTERLINE (TYP)

SEWER FORCE MAIN DESIGN  
 FOR FLOW  
 INDIVIDUAL NITRIFICATION  
 CARTRIDGE SYSTEMS  
 REPAIRS

APPROVED  
 OCT 1 2005  
 JOHN R. FRESHWATER III, P.E.  
 REGISTERED PROFESSIONAL ENGINEER  
 STATE OF NORTH CAROLINA

PROJECT NAME:  
 Emerald View Subdivision  
 Live Oak Road  
 Carteret County, NC

PREPARED FOR:  
 Campbell University, Inc. c/o  
 Kenneth A. Brea & David B. Brea  
 P. O. BOX 4053  
 Emerald Isle, NC 28594

DATE: 07-15-05  
 DRAWN BY: JF and JPP  
 DESIGNED BY: JF  
 JOB NUMBER: 05-102  
 SHEET  
 1  
 OF 3

REVISIONS - Detail Provisions window, utility / clean checks  
 DATE BY  
 7-28-2005 JF  
 8-12-2005 JF  
 Plan CODEH

VERIFY MIN. SEWER LINE AND POTABLE WATER  
 SUPPLY SEPARATIONS ARE ACHIEVED IN ALL AREAS.  
 COORDINATE WITH WEST CARTERET WATER  
 CORPORATION

