IT SHALL BE THE RESPONSIBILITY OF ALL CONTRACTORS TO WORKING IN THE VICINITY OF UTILITY LINES TO COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES. THE FOLLOWING IS A LIST OF CONTACT INFORMATION FOR THE KNOWN UTILITY COMPANIES HAVING UTILITIES WITHIN THE PROJECT AREA:

CENTURY LINK
TIMMY MIDGETT, AREA PLANT SUPERVISOR
MANTEO, NORTH CAROLINA
OFFICE: (252)473-5811
MOBILE: (252)475-8265
EMAIL: TIMOTHY.L.MIDGETT@CENTURYLINK.COM

CHARTER COMMUNICATIONS
CINDY MUSCIA, CONSTRUCTION COORDINATOR
OFFICE: (252)715-2106
CELL: (252)581-0049
EMAIL: CINDY.MUSCIA@CHARTERCOM.COM

DARE COUNTY WATER DEPARTMENT
SAMMY MIDGETT, HEAD OF DISTRIBUTION
OFFICE: (252)441-8072
CELL: (252)256-1721
EMAIL: SAMMYM@DARENC.COM

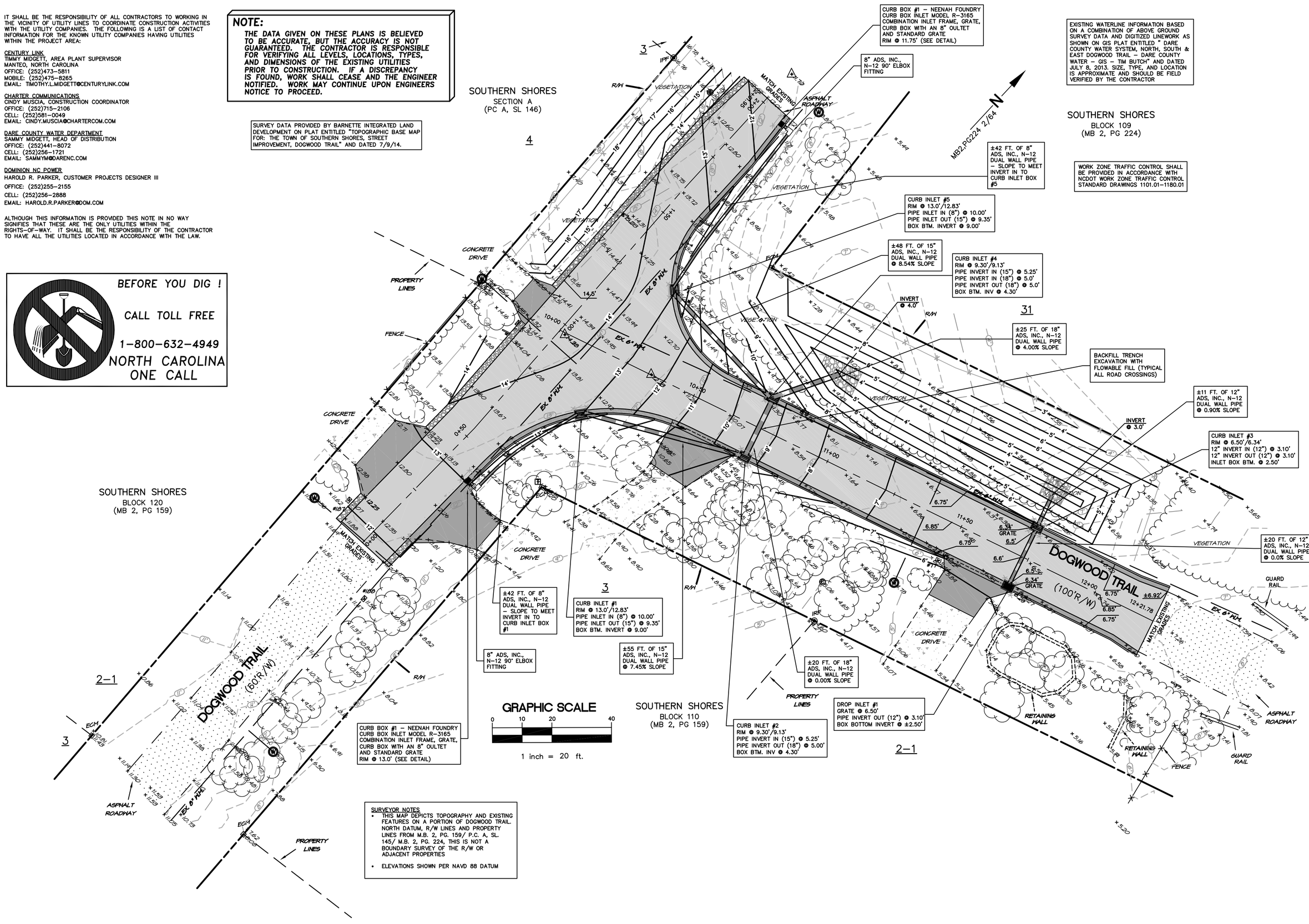
DOMINION NC POWER
HAROLD R. PARKER, CUSTOMER PROJECTS DESIGNER III
OFFICE: (252)255-2155
CELL: (252)256-2688
EMAIL: HAROLD.R.PARKER@DOM.COM

ALTHOUGH THIS INFORMATION IS PROVIDED THIS NOTE IN NO WAY SIGNIFIES THAT THESE ARE THE ONLY UTILITIES WITHIN THE RIGHTS-OF-WAY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL THE UTILITIES LOCATED IN ACCORDANCE WITH THE LAW.

NOTE:
THE DATA GIVEN ON THESE PLANS IS BELIEVED TO BE ACCURATE, BUT THE ACCURACY IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL LEVELS, LOCATIONS, TYPES, AND DIMENSIONS OF THE EXISTING UTILITIES PRIOR TO CONSTRUCTION. IF A DISCREPANCY IS FOUND, WORK SHALL CEASE AND THE ENGINEER NOTIFIED. WORK MAY CONTINUE UPON ENGINEERS NOTICE TO PROCEED.

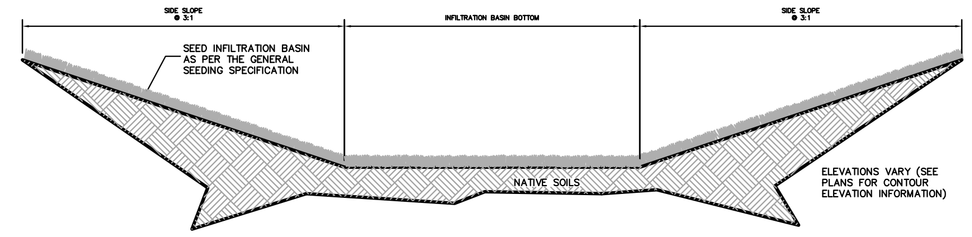
SURVEY DATA PROVIDED BY BARNETTE INTEGRATED LAND DEVELOPMENT ON PLAT ENTITLED "TOPOGRAPHIC BASE MAP FOR: THE TOWN OF SOUTHERN SHORES, STREET IMPROVEMENT, DOGWOOD TRAIL" AND DATED 7/9/14.

BEFORE YOU DIG !
CALL TOLL FREE
1-800-632-4949
NORTH CAROLINA ONE CALL

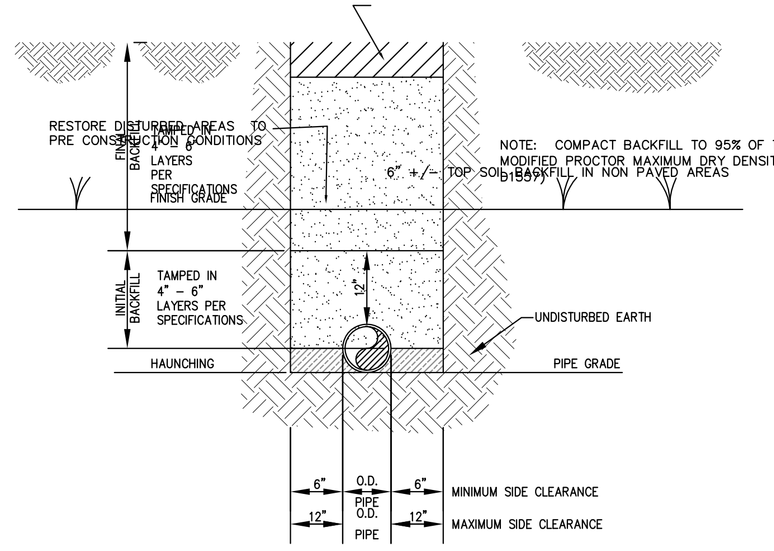


SURVEYOR NOTES
- THIS MAP DEPICTS TOPOGRAPHY AND EXISTING FEATURES ON A PORTION OF DOGWOOD TRAIL. NORTH DATUM, R/W LINES AND PROPERTY LINES FROM M.B. 2, PG. 159/ P.C. A, SL. 145/ M.B. 2, PG. 224. THIS IS NOT A BOUNDARY SURVEY OF THE R/W OR ADJACENT PROPERTIES
- ELEVATIONS SHOWN PER NAVD 88 DATUM

GRAPHIC SCALE
0 10 20 40
1 inch = 20 ft.

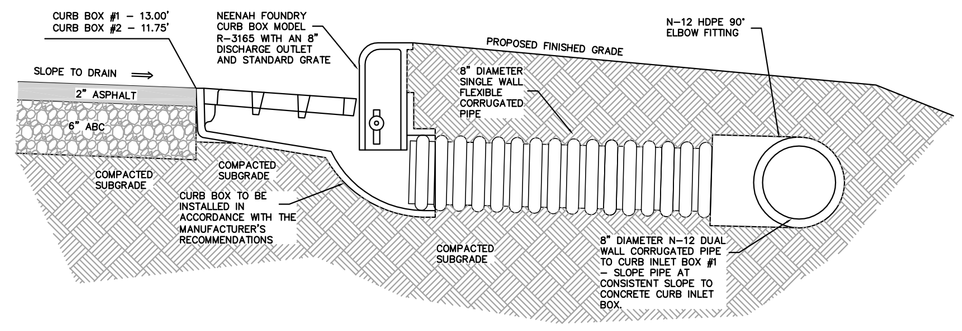


TYPICAL INFILTRATION BASIN CROSS–SECTION DETAIL
N.T.S.



NOTES:
1. FOR TRENCHES REQUIRING SHORING AND BRACING, DIMENSIONS SHALL BE TAKEN FROM THE INSIDE FACE OF THE SHORING AND BRACING
2. NO ROCKS OR BOULDERS 4" AND LARGER SHALL BE USED IN INITIAL BACKFILL AREA.
3. ALL BACKFILL MATERIAL SHALL BE SATISFACTORY SOIL MATERIALS UNLESS OTHERWISE SPECIFIED BY THE ENGINEER. (SATISFACTORY SOIL FILL SHALL CONSIST OF SAND OR GRAVEL CONTAINING LESS THAN 20% BY WEIGHT OF FINES [SW, SP, SP–SM, SM], HAVING A LIQUID LIMIT LESS THAN 20 AND PLASTIC LIMIT LESS THAN 6, AND FREE OF RUBBLE, ORGANICS, CLAY, DEBRIS, AND OTHER UNSUITABLE MATERIAL.)

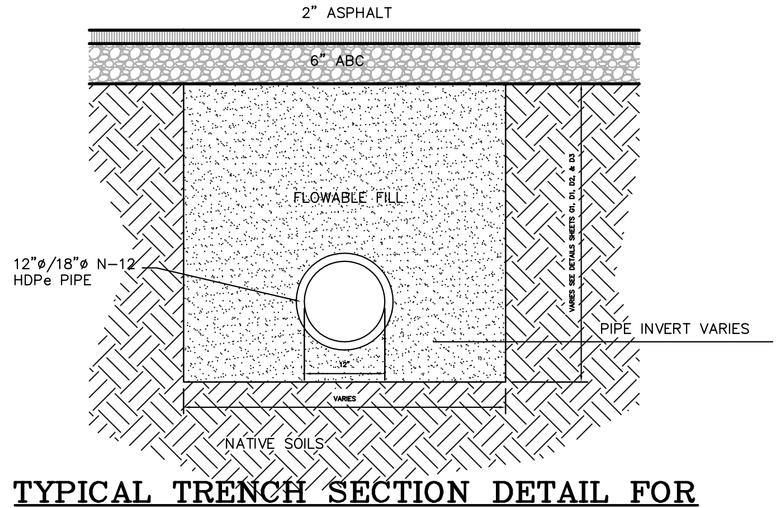
TYPICAL BACKFILLING REQUIREMENTS AND TRENCH BOTTOM DIMENSIONS
N.T.S.



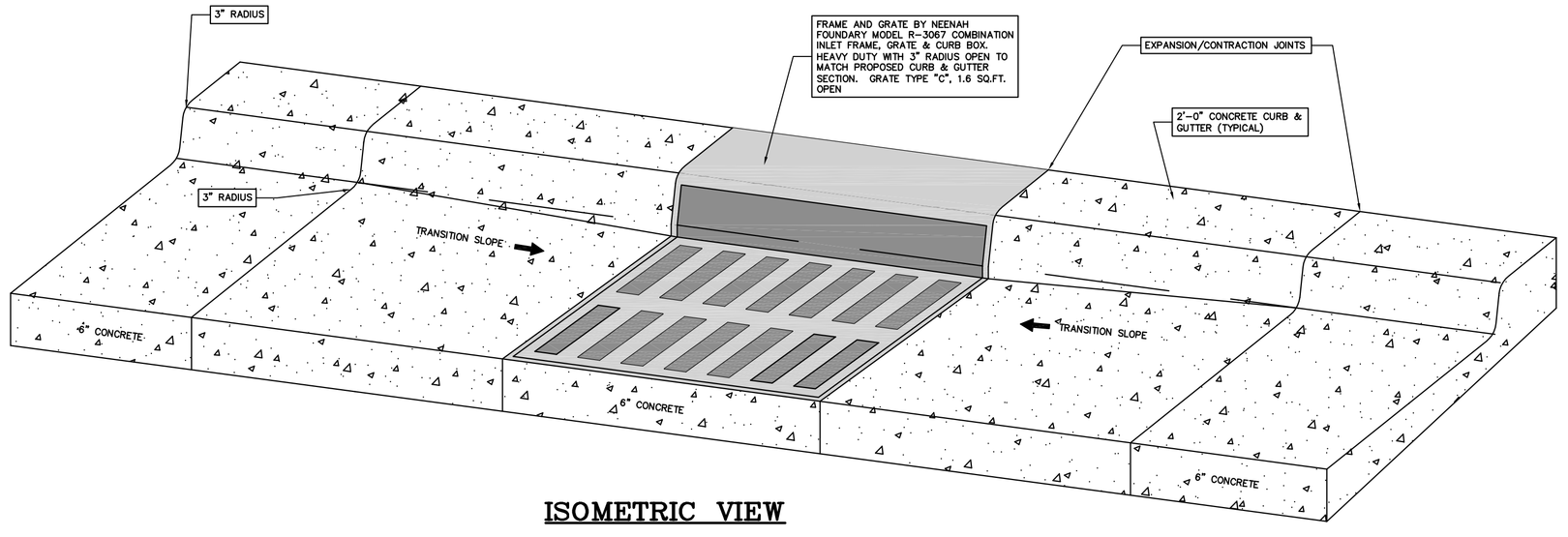
TYPICAL CURB BOX CONNECTION DETAIL
N.T.S.

LEGEND

+ 33.05	EXISTING ELEVATION(±.03')		TELEVISION PEDESTAL
+ 33.0	EXISTING ELEVATION(±.05')		MAIL BOX
	CONCRETE MONUMENT		TRAFFIC SIGN
	IRON ROD/PIPE		LIGHT POLE
	WATER METER		R/W
	WATER VALVE		VEGETATION LIMITS
	TELEPHONE PEDESTAL		TREE
	EXISTING ASPHALT	–11"–	EXISTING CONTOURS
	PROPOSED ASPHALT		APPROX. LOCATION OF POWER UTILITY LINE
	PROPOSED CONCRETE		APPROX. LOCATION OF CABLE UTILITY LINE
	PROPOSED ABC		APPROX. LOCATION OF PHONE UTILITY LINE
	PROPOSED RIPRAP	21	PROPOSED CONTOURS
			PROPOSED N-12 SOLID WALL PIPE
			PROPOSED CURB INLET
			PROPOSED CURB & GUTTER



TYPICAL TRENCH SECTION DETAIL FOR PIPES UNDER PAVEMENT
N.T.S.



ISOMETRIC VIEW

CURB INLET DETAIL
N.T.S.

DRAWING FILE: NSE Dogwood Intersection.DWG
PLOT SCALE: 1"=20'

Anlauf Engineering, PLLC
CIVIL ENGINEERING SERVICES
FIRM LICENSE NO. P-0909
JANLAUF@EMBARQMAIL.NET • 412 N. MCDONALD STREET, SUITE A • (252) 489-1845

NORTH CAROLINA PROFESSIONAL SEAL 26980 ENGINEER JOSEPH A. ANLAUF, P.E.
CERTIFICATION

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NO.	DATE	REVISIONS
1	8.16.14	REVISIONS TO STORMWATER COMPONENTS

GRADING & DRAINAGE PLAN
NORTH, SOUTH & EAST DOGWOOD TRAIL INTERSECTION
TOWN OF SOUTHERN SHORES
NORTH CAROLINA
DARE COUNTY
ATLANTIC TOWNSHIP

COMMISSION NO.	P11009.21
DESIGNED BY	JJA
DRAWN BY	JJA
CHECKED BY	JJA
ISSUE DATE	7/24/14

SHEET NO.
G1
OF 7 SHEETS