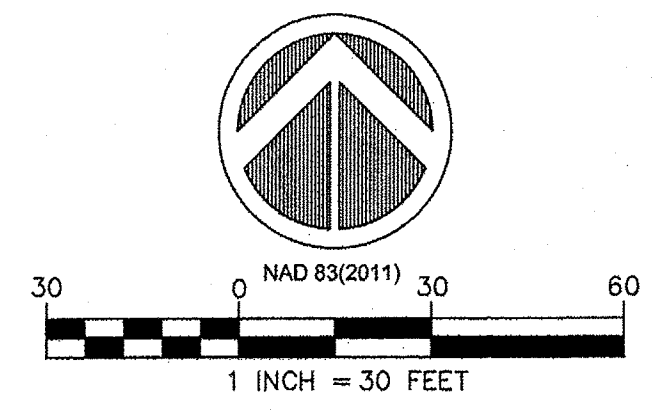


I, MICHAEL LEE TACKETT, CERTIFY THAT THIS PROJECT WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT THIS GROUND SURVEY WAS PERFORMED AT THE 95 PERCENT CONFIDENCE LEVEL TO MEET FEDERAL GEOGRAPHIC DATA COMMITTEE STANDARDS; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS FOR A PLANIMETRIC SURVEY TO THE ACCURACY OF CLASS A AND THAT THE ORIGINAL DATA WAS OBTAINED ON JANUARY 18, 2019; THAT THE SURVEY WAS COMPLETED ON JANUARY 18, 2019; ALL COORDINATES ARE BASED ON NC GRID NAD 83-2011. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 27th DAY OF FEBRUARY, 2019.

SIGN: *Michael Lee Tackett*
 MICHAEL LEE TACKETT
 PROFESSIONAL LAND SURVEYOR
 LICENSE No. L-4556



CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
 Date: 3-1-19 Permit # 2019011A
 Signed: *E. See*

CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C-1	383.11'	2354.20'	19°34'03"	S 79°46'25" E	392.66'
C-2	438.83'	2354.20'	19°34'03"	N 63°11'48" W	438.12'

Tree Designation Key/Notes

- [Symbol] = Significant (Required mitigation)
- [Symbol] = All other Trees listed are considered regulated essential

Approved Construction Plan

Name: *UNC* Date: *3-1-2019*

Planning: *W. Swain* Date: *3-4-19*

Traffic: *W. Swain*

Fire: *UNC BY CHRIS WALKER*

TREE TABLE

Point	Northing	Easting	Description
10012	185581.189	2325233.932	10" OAK
10013	185555.863	2325243.373	8" GUM CLUSTER
10014	185561.802	2325227.482	8" OAK
10015	185555.289	2325240.138	8" GUM
10016	185555.237	2325219.574	16" PINE
10017	185565.566	2325221.890	8" OAK
10018	185572.228	2325224.381	8" GUM
10019	185563.954	2325228.457	12" OAK
10020	185578.541	2325212.501	12" PINE
10021	185562.501	2325209.424	10" GUM
10022	185572.262	2325183.721	8" OAK
10023	185577.088	2325178.806	10" GUM
10024	185576.198	2325173.154	8" OAK
10025	185578.872	2325171.850	8" MAG
10026	185578.888	2325169.850	18" PINE
10027	185583.285	2325205.110	4" MAG
10028	185592.400	2325224.108	8" OAK
10029	185598.705	2325226.548	8" OAK
10030	185612.873	2325212.876	8" OAK
10031	185618.857	2325203.418	12" OAK
10032	185608.260	2325167.922	20" OAK TWIN
10033	185618.286	2325178.620	8" GUM
10034	185606.286	2325197.551	20" OAK
10035	185607.725	2325120.917	10" OAK
10036	185619.492	2325111.473	10" OAK
10037	185628.979	2325137.760	8" OAK
10038	185641.825	2325138.229	8" OAK
10039	185648.870	2325180.482	10" OAK
10040	185650.897	2325181.278	8" OAK
10041	185637.428	2325181.052	8" OAK
10043	185660.750	2325124.085	14" PINE
10044	185669.108	2325126.935	16" OAK
10045	185658.477	2325102.378	9" OAK
10046	185628.954	2325077.348	14" TWIN GUM DES
10047	185648.289	2325054.230	16" OAK
10048	185670.117	2325081.964	12" OAK

TREE TABLE

Point	Northing	Easting	Description
10049	185673.754	2325114.504	18" PINE
10050	185691.421	2325106.826	20" OAK
10051	185705.505	2325118.188	10" OAK
10052	185732.807	2325107.920	10" POP TWIN
10053	185696.471	2325085.928	20" OAK
10054	185689.844	2325056.753	18" OAK
10055	185697.032	2325049.532	12" OAK
10056	185700.537	2325056.077	12" OAK
10057	185733.917	2325084.565	8" OAK
10058	185737.828	2325064.511	14" OAK
10059	185728.707	2325032.752	22" OAK
10060	185735.317	2325035.644	10" POP
10061	185724.807	2325016.650	8" MAG
10062	185705.828	2325043.035	16" OAK
10063	185688.138	2325040.827	18" OAK
10064	185759.682	2325005.682	9" POP
10065	185701.084	2324994.313	12" OAK
10067	185656.057	2324939.512	14" PINE
10068	185672.876	2324949.482	10" MAPLE
10069	185680.667	2325002.019	10" PINE
10070	185656.074	2325001.049	12" PINE
10071	185638.776	2325001.512	13" OAK
10072	185639.611	2324991.411	10" OAK
10073	185637.149	2324986.840	14" PINE
10074	185623.383	2325003.378	22" PINE
10075	185622.371	2325006.077	8" GUM
10076	185628.912	2325035.865	12" OAK
10077	185622.930	2325032.040	12" OAK
10078	185621.529	2325024.148	8" OAK
10079	185618.232	2325037.832	10" OAK
10080	185631.145	2325050.025	8" OAK
10081	185628.434	2325058.718	12" OAK
10082	185625.713	2325054.237	12" OAK
10083	185608.383	2325057.248	12" OAK
10084	185605.480	2325076.424	12" OAK
10085	185694.074	2325103.897	10" OAK DAMAG

Ground Stabilization (Notes added by TA Loving 2-17-19)

a) Soil stabilization shall be achieved on any area of a site where land-disturbing activities have temporarily or permanently ceased according to the following schedule:

- All perimeter dikes, swales, ditches, perimeter slopes and all slopes steeper than 3 horizontal to 1 vertical (3:1) shall be provided temporary or permanent stabilization with ground cover as soon as practicable but in any event within 7 calendar days from the last land-disturbing activity.
- All other disturbed areas shall be provided temporary or permanent stabilization with ground cover as soon as practicable but in any event within 14 calendar days from the last land-disturbing activity.

b) Conditions - In meeting the stabilization requirements above, the following conditions or exemptions shall apply:

- Extensions of time may be approved by the permitting authority based on weather or other site-specific conditions that make compliance impracticable.
- All slopes 50' in length or greater shall apply the ground cover within 7 days except when the slope is flatter than 4:1. Slopes less than 50' shall apply ground cover within 14 days except when slopes are steeper than 3:1, the 7 day-requirement applies.
- Any sloped area flatter than 4:1 shall be exempt from the 7-day ground cover requirement.
- Slopes 10' or less in length shall be exempt from the 7-day ground cover requirement except when the slope is steeper than 2:1.
- Although stabilization is usually specified as ground cover, other methods, such as chemical stabilization, may be allowed on a case-by-case basis.
- For portions of a site that are lower in elevation than adjacent discharge locations and are not expected to discharge during construction may be exempt from the temporary ground cover requirements if identified on the approved E&S Plan or added by the permitting authority

Notes Added by TA Loving 2-17-19

Erosion Control Maintenance Contact:
 TA Loving Project Manager:
 Christopher Myers 919-580-8934

Erosion Control Maintenance Requirements: Maintain INSPECTION AND MONITORING RECORDS FOR ACTIVITIES UNDER STORMWATER GENERAL PERMIT NCG010000 AND SELF-INSPECTION RECORDS FOR LAND DISTURBING ACTIVITIES PER G.S. 113A-54.1

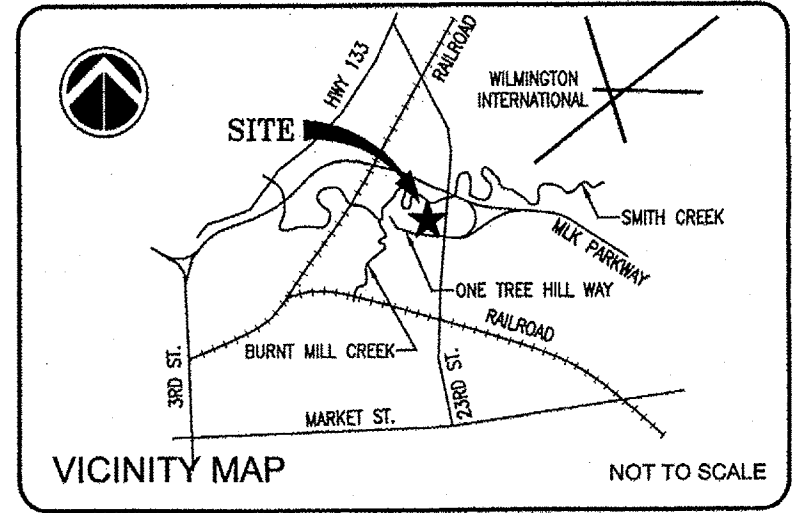
Stockpile material is coming from the CFPWA P.S. 10 site next door and is permitted.

Stream Classification: C.S.W.
 River Basin : Cape Fear

Jobsite Address : 2231 One Tree Hill Way

NOW OR FORMERLY DAYTIME PROGRAMMING INC. DEED BOOK: 4798, PAGE: 42 (SUBJECT TO EASEMENT FOR WATER AND SEWER LINES)

- Construction Sequence:
1. Install Erosion Control Measures and Construction Entrance
 2. Clear Site
 3. Stock Pile Materials (Stabilize stockpiles within 7 days)
 4. Remove Excess Materials (Within 30days of Final Acceptance)
 5. Remove Construction Entrance (within 30 days of Final Acceptance)
 6. Install and Establish Permanent Stabilization
 7. Remove Erosion Control Measures after a stand is Established



LEGEND:

- PROPERTY CORNER
- PROPERTY LINE
- EXISTING EASEMENT LINE
- ADJOINER PROPERTY LINE
- PROJECT BOUNDARY
- CENTER LINE OF ROAD
- FLOOD HAZARD LINE
- ASPHALT PAVEMENT
- SANITARY SEWER GRAVITY LINE
- SANITARY SEWER FORCE MAIN
- SANITARY SEWER MANHOLE
- OAK
- PINE
- GUM
- MAPLE
- MAGNOLIA
- POPULAR

NOTES:

1. REFERENCE IS MADE TO THE FOLLOWING: DEED BOOK 6100 PAGE 2125, DEED BOOK 6051 PAGE 2574, DEED BOOK 4798 PAGE 2, DEED BOOK 6034 PAGE 2015, MAP BOOK 45 PAGE 192, MAP BOOK 37 PAGE 72, MAP BOOK 54 PAGE 179, OR AS NOTED HEREON.
2. ADJOINING PROPERTY OWNERS BASED ON INFORMATION FOUND IN THE NEW HANOVER COUNTY GIS SYSTEM.
3. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES.
4. AREA CALCULATED BY COORDINATE METHOD.
5. BASED ON FIELD SURVEY BY CAPE FEAR ENGINEERING ON JANUARY 18, 2019.
6. PROJECT AREA IS IN ZONE X PER FIRM MAP 3720312800K DATED AUGUST 28, 2018.
7. CAMA LAND USE: CONSERVATION AND URBAN BREAK M LLC MAP BOOK: 37, PAGE: 72 DEED BOOK: 5600, PAGE: 371
8. ZONING: AI
9. NO PARKING NEEDED, NO STRUCTURES.
10. SANITARY SEWER GRAVITY LINE, FORCE MAIN AND MANHOLE TAKEN FROM PLANS FOR PUMP STATION #10 REPLACEMENT.
11. WETLAND LINE SHOWN PROVIDED BY OTHERS. SURVEYOR MAKES NO GUARANTEE TO THE ACCURACY OF THE WETLAND LINE OR TO THE LOCATION OF WETLANDS.

REV. #	DESCRIPTION	REV. BY	DATE
C	ADDED WETLAND LINE PROVIDED BY OTHERS	MLT	02/27/19
B	REVISED PER COMMENT FROM CITY OF WILMINGTON	MLT	02/07/19
A	REVISED PROJECT AREA & ADDED FLOOD HAZARD LINES	MLT	02/05/19

CAPE FEAR ENGINEERING

151 Poole Rd., Suite 100; Belville, NC, 28451
 TEL (910) 383-1044; FAX (910) 383-1045
 www.capefearengineering.com
 N.C. LICENSE # C-1621

PROJECT NUMBER :	556-309
SCALE :	1"=30'
DATE :	21 JAN 19
TRACKING :	

CONTRACTOR STORAGE FOR T.A. LOVING COMPANY PART OF TRACT 2 DEED BOOK 6100 PAGE 2125

2231 ONE TREE HILL WAY CITY OF WILMINGTON NEW HANOVER COUNTY NORTH CAROLINA

PROJECT NUMBER	SHEET NUMBER
556-309	V-1