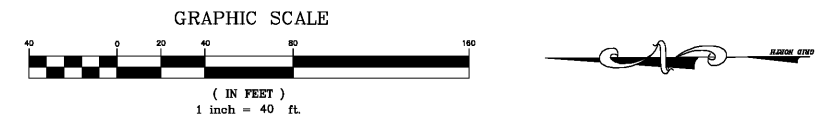


LEGEND	
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	GAS VALVE
	SANITARY SEWER MANHOLE
	CLEANOUT (CO)
	NATURAL GAS LINE
	SANITARY SEWER LINE (MATERIAL UNKNOWN)
	WATER LINE
	FENCE
	OVERHEAD ELECTRIC
	UNDERGROUND ELECTRIC
	UNDERGROUND TELEPHONE
	UNDERGROUND FIBER OPTIC LINE
	UNDERGROUND CABLE TV
	CONC. CURB & GUTTER
	YARD INLET (YI)
	JUNCTION BOX (JB)
	DROP INLET (DI)
	CURB INLET (CI)
	STORM DRAIN PIPE
	CONCRETE SIDEWALK
	POWER POLE & GUY
	LIGHT POLE
	ELEC BOX
	TELEPHONE PED
	A/C 2 X 2 PAD
	REMOVE TREE

- Grading Notes:**
- All work shall be in accordance with the grading code of Richland County and any special requirements of the permit.
  - A pre-construction meeting on site is required before the start of grading with the following parties present: owner, grading contractor, design civil engineer, soil engineer, Richland County, and DHEC officials.
  - Approved copies of the grading and erosion control plans shall be on the permitted site while work is in progress.
  - Cut and fill slopes shall be no steeper than 3-foot horizontal to 1-foot vertical (3:1) except where specifically approved otherwise.
  - Construction material and equipment shall not occupy any portion of the public right-of-way, such as street, alley or public sidewalk at any time. Temporary use of public right-of-way, whenever requested, must be reviewed and approved by SCDOT or other authority having jurisdiction.
  - Contractor shall furnish measurements of the storm drainage system to the engineer for the preparation of record drawings. Measurements shall be taken by a professional land surveyor licensed to practice in the state of South Carolina. Measurements shall be furnished in electronic format compatible with AutoCAD release 2004 minimum.



3 DAYS BEFORE DIGGING IN  
SOUTH CAROLINA  
**CALL 811**  
Palmetto Utility Protection Service

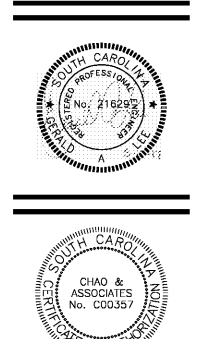


**Flood Certification**

I hereby certify that I have consulted the national flood insurance program, "flood insurance rate map", map number 45079C0383K, panel number 383 of 650, effective date: September 29, 2010 (BFE 193.2 NAVD 88). I have determined that a portion of the above site lies within an unshaded zone "AE".

Gerald A. Lee, P.E.  
SC Reg. Professional Engineer #21629

**CHAO & ASSOCIATES, INC.**  
Civil - Structural - Survey  
7 Clusters Court  
Columbia, SC 29210  
Voice: (803) 772-8420  
Fax: (803) 772-9120  
Email: consult@chaoinc.com



**Grading and Drainage Plan**  
Pinewood Lake Phase 2A (CPS17074)  
Prepared For:  
Richland County  
Near Hopkins, South Carolina

Drawn: HMC Checked: GAL  
Revised:  
File: 399935PH2A.dwg Project No.: 399935D

**C3.0**  
Sheet Number  
August 11, 2017  
Date