DENUDED AREA: 5.52 AC

GENERAL NOTES:

1. BOUNDARY SURVEY BY WITHERSRAVENEL. TOPOGRAPHICAL INFORMATION BASED FIELD SURVEY AND NC LIDAR.
2. ALL LAND DISTURBING ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH EROSION AND SEDIMENT CONTROL STANDARDS AND PRACTICES PRESCRIBED BY THE LAND QUALITY SECTION OF NCDENR. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO GRADING.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL DEVICES SHOWN ON THE APPROVED PLAN.
4. SLOPES SHALL BE NO STEEPER THAN 2:1 (H:V), PREFERABLY FLATTER, FOR VEGETATION.
5. THE CONTRACTOR SHALL FAITHFULLY MAINTAIN ALL SEDIMENTATION CONTROL DEVICES AND TAKE ANY PRECAUTIONARY MEASURES TO ENSURE THAT SILT DOES NOT ENTER ANY NATURAL STREAM CHANNEL LOCATED WITHIN THE SITE. DRAINAGE CHANNELS MUST BE CLEAN OF SEDIMENT AND STABILIZED BEFORE THE PROJECT IS RELEASED.
6. ALL STORM DRAINAGE PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED.
7. RECEIVING WATERCOURSES: TRIBUTARY OF HAW RIVER
8. RECEIVING WATERSHED: CAPE FEAR RIVER BASIN
9. NO PORTION OF THIS PROJECT IS LOCATED WITHIN FEMA FLOOD HAZARD AREA PER FEMA FIRM MAP 3702999752J AND 3704209752J, DATED FEBRUARY 2, 2007.
10. ALL EXISTING VEGETATION THAT IS TO BE PRESERVED SHALL BE FENCED WITH A STURDY AND VISIBLE FENCE BEFORE EXCAVATION BEGINS. THE TREE PROTECTION FENCE SHOULD BE LOCATED AS FAR AS PRACTICABLE FROM THE TREES AND VEGETATION.
11. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM TOWN OF PITTSBORO, NCDWR, USACE AND/OR FEMA FOR ANY RIPARIAN BUFFER, WETLANDS AND/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION.
12. VELOCITY DISSIPATORS SHALL BE INSTALLED AT THE END OF EACH FES AND SHALL HAVE A FILTER BARIC UNDERLINER.
13. NPDES GROUND COVER REQUIREMENTS SHALL BE FOLLOWED IN ADDITION TO STANDARD NCDENR EROSION CONTROL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING A PERMANENT STAND OF VEGETATION ON ALL DISTURBED AREAS AND MEETING ALL NPDES FINAL STABILIZATION REQUIREMENTS.
14. THIS PROJECT SHALL BE SUBJECT TO MONITORING REQUIREMENTS IN ACCORDANCE WITH SECTION II.B(3) OF THE MOST RECENT NCDENR-DEMLR GENERAL PERMIT NCG 01000.
15. NCDOT ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILTIY WORK OR GRADING (INCLUDING EXTENSIONS) WITHIN STATE RIGHT-OF-WAY PRIOR TO CONSTRUCTION.

CONSTRUCTION SEQUENCE:

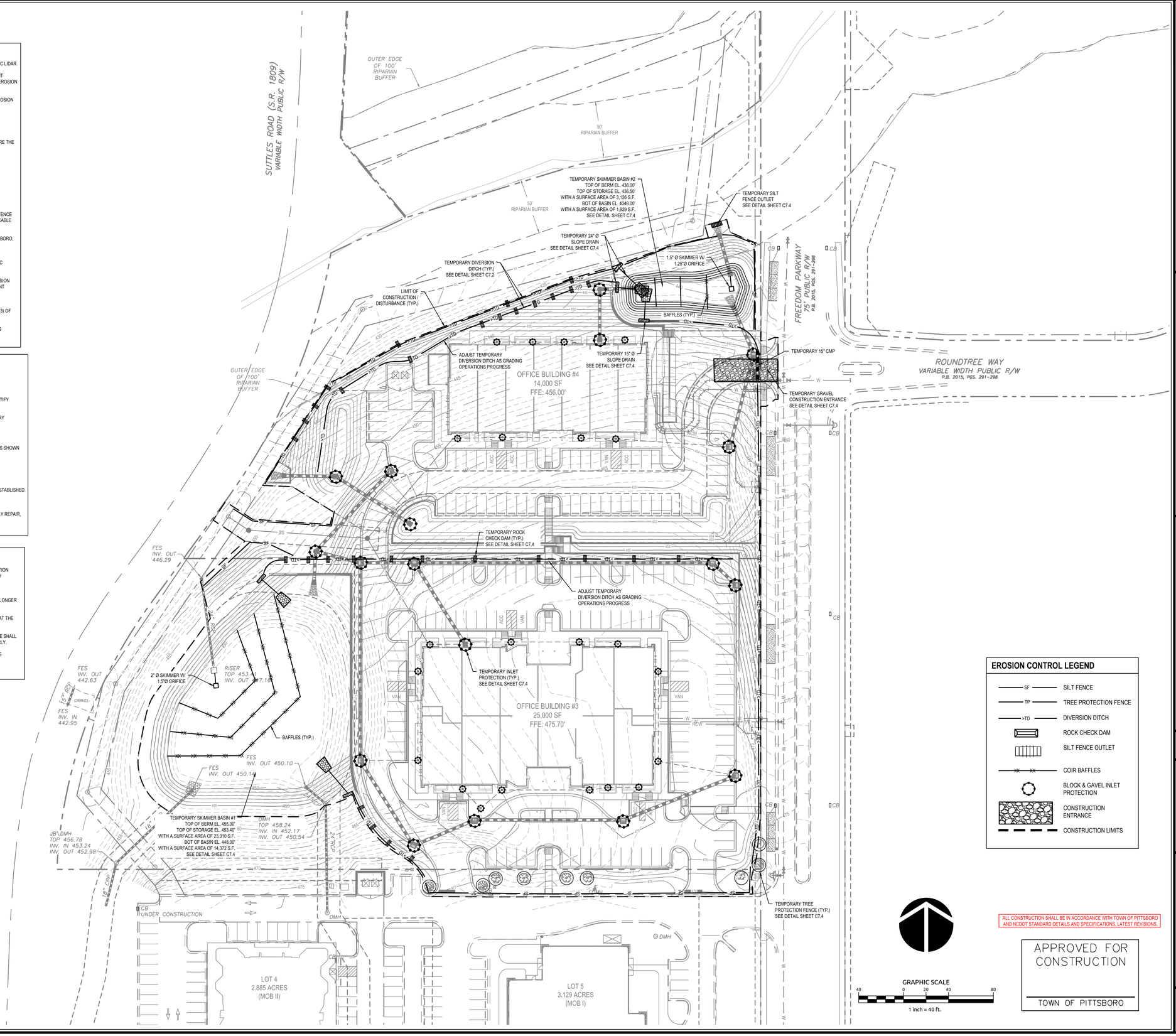
1. OBTAIN A LAND DISTURBING PERMIT FOR CHANTHAM COUNTY.
2. FLAG THE CLEARING LIMITS & INSTALL TREE PROTECTION FENCE.
3. HOLD PRE-CONSTRUCTION CONFERENCE AT LEAST ONE WEEK PRIOR TO STARTING CONSTRUCTION, NOTIFY CHATHAM COUNTY AT (919) 545-8343 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION BEGINNING.
4. INSTALL TEMPORARY CONSTRUCTION ENTRANCE, TEMPORARY SKIMMER BASIN, SILT FENCE, TEMPORARY DIVERSION DITCHES. CLEAR AND DISTURB ONLY AS NECESSARY TO INSTALL THESE MEASURES.
5. COMPLETE REMAINING CLEARING AND GRUBBING OF SITE.
6. ROUGH GRADE THE SITE AND INSTALL STORM DRAINAGE, INCLUDING INLET PROTECTION, AND WATER, AS SHOWN ON THE PLANS. ALL TRENCHES SHALL BE BACKFILLED AND STABILIZED DAILY.
7. DIRECT RUNOFF FROM ROADWAY INTO STORM DRAINAGE SYSTEM.
8. COMPLETE FINE GRADING SITE.
9. MAINTAIN SEDIMENTATION AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
10. REQUEST FINAL APPROVAL OF GROUND COVER BY THE EROSION CONTROL INSPECTOR.
11. ONCE THE SITE IS FULLY STABILIZED, REMOVE ALL REMAINING TEMPORARY MEASURES AND IMMEDIATELY REPAIR, DRESS-OUT, AND SEED & MULCH THESE AREAS.

MAINTENANCE PLAN:

1. ALL EROSION AND SEDIMENTATION CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
2. SEDIMENT WILL BE REMOVED FROM SEDIMENT TRAP DEVICES WHEN STORAGE CAPACITY HAS BEEN APPROXIMATELY 50% FILLED. GRAVEL WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS PROPERLY.
3. SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT BECOMES ABOUT 6-INCHES DEEP AT THE FENCE THE SILT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
4. INLET PROTECTION DEVICES SHALL BE INSPECTED AFTER EVERY RAINFALL EVENT. DAMAGED SILT FENCE SHALL BE REPLACED AND GRAVEL SHALL BE CLEANED OR REPLACED WHEN INLET NO LONGER DRAINS PROPERLY.
5. ALL SEEDED AREAS WILL BE FERTILIZED, RE SEEDED AS NECESSARY, AND MULCHED ACCORDING TO THE SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.

GROUND STABILIZATION

SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED
SLOPES FLATTER THAN 3:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HQW ZONES)
EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE. (SECTION 11.B(2)(B))		



EROSION CONTROL LEGEND

- SF — SILT FENCE
- TP — TREE PROTECTION FENCE
- >TD — DIVERSION DITCH
- ROCK CHECK DAM
- SILT FENCE OUTLET
- COIR BAFFLES
- BLOCK & GAVEL INLET PROTECTION
- CONSTRUCTION ENTRANCE
- CONSTRUCTION LIMITS

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF PITTSBORO AND NCDOT STANDARD DETAILS AND SPECIFICATIONS, LATEST REVISIONS.

APPROVED FOR CONSTRUCTION

TOWN OF PITTSBORO

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license #: C-0832 | www.withersravenel.com

CHATHAM PARK
LOTS 2 & 3
BUILDINGS 3 & 4

CHATHAM COUNTY, NORTH CAROLINA

EROSION CONTROL PLAN

Job No.	02.120469.05	Drawn By	TFW
Date	11.07.16	Designer	TFW

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 029811 TYLER FELIX MILLER
PRELIMINARY
NOT APPROVED FOR CONSTRUCTION

Revisions

Sheet No.
C6.0

K:\120-12\04\120469.05-cp lots 2 & 3 - mob 3 & 4\CAD\construction drawings\C6.0 Overall Erosion Control Plan.dwg Monday, November 07, 2016 1:46:49 PM - VANAKO, THOMAS