

**STORMWATER MANAGEMENT NOTES**

1. THE PROJECT WILL MEET ALL OF THE REQUIREMENTS RELATIVE TO BEST MANAGEMENT PRACTICES AND ENGINEERED STORMWATER CONTROL STRUCTURES AS OUTLINED IN THE TOWN OF CARY LAND DEVELOPMENT ORDINANCE (CHAPTER 7, SEC. 7.3).
2. THE PROJECT (BUILDING A-3) DRAINS TO THE EXISTING WET POND THAT WAS CONSTRUCTED AS PART OF THE APPROVED CARY PARK TOWN CENTER (05-SP-058) CONSTRUCTION DRAWINGS.
3. THE EXISTING WET POND WAS DESIGNED FOR 85% TSS REMOVAL, FOR 25% TOTAL NITROGEN REMOVAL AND FOR PEAK RUNOFF REDUCTION AS OUTLINED IN THE STORMWATER MANAGEMENT PLAN PREPARED BY WITHERS & RAVENEL AND DATED 8-9-06.

**TREE PROTECTION FENCING NOTE**

TREE PROTECTION FENCING SHALL BE REQUIRED ONLY IF THE PHASE 1 PLANTINGS (SEE PLANTING PLAN, SHEET 6.0) ARE INSTALLED PRIOR TO THE CONSTRUCTION OF BUILDING A-3.

**EROSION CONTROL SYMBOLS**

- CATCH BASIN RISER/FILTER (TOC STD. 04000.05) 18"(LENGTH) x 4"(BOTTOM WIDTH) x 4" (TOTAL DEPTH)
- INLET PROTECTION (TOC STD. 04000.13)
- SILT FENCE (TOC STD. 04000.01)

**CONSTRUCTION SEQUENCE**

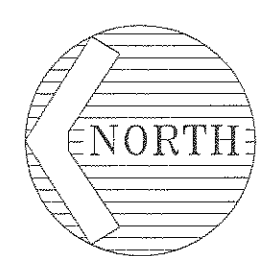
1. OBTAIN GRADING PERMIT AND ATTEND PRE-CONSTRUCTION MEETING WITH TOWN OF CARY EROSION CONTROL OFFICER (IF REQUIRED).
2. INSTALL ALL TREE PROTECTION FENCE (IF REQUIRED).
3. INSTALL TEMPORARY EROSION CONTROL DEVICES (SEE SILT FENCE NOTE).
4. OBTAIN CERTIFICATE OF COMPLIANCE THROUGH ON-SITE INSPECTION BY TOWN EROSION CONTROL OFFICER.
5. PROCEED WITH GRADING/BUILDING CONSTRUCTION.
6. SEED AND MULCH DENUDED AREAS WITHIN 15 DAYS AFTER FINISHED GRADES ARE ESTABLISHED. (PERMANENT GROUND COVER SHALL BE ESTABLISHED IN 15 WORKING DAYS OR 90 CALENDAR DAYS, WHICHEVER IS SHORTER).
7. MAINTAIN SOIL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
8. REQUEST FINAL APPROVAL FROM TOWN OF CARY EROSION CONTROL OFFICER.
9. REMOVE EROSION CONTROL MEASURES FROM ALL AREAS THAT HAVE BEEN PERMANENTLY STABILIZED AND STABILIZE THE AREAS OF THE DEVICE REMOVAL.

**EROSION CONTROL NOTES**

1. THE DENUDED AREA IS 0.58 ACRES.
2. THE RECEIVING WATERCOURSE IS AN UNNAMED TRIBUTARY OF PANTHER CREEK IN THE CAPE FEAR RIVER WATERSHED.
3. NO FEMA MAPPED FLOODPLAIN EXISTS ON THIS SITE PER FIRM #37200725001 DATED 5/2/06.
4. CUT AND FILL SLOPES WILL BE STABILIZED WITHIN 15 DAYS DURING ANY PHASE OF GRADING.
5. GREEN LEVEL TO DURHAM ROAD WILL BE KEPT CLEAN OF SEDIMENT AT ALL TIMES.
6. A PRE-CONSTRUCTION MEETING MAY BE REQUIRED BEFORE ISSUANCE OF A GRADING PERMIT.
7. ALL STORM DRAIN FRAMES GRATES & HOODS SHALL BE STAMPED WITH "DRAINS TO RIVER" IN ACCORDANCE WITH TOWN OF CARY STANDARDS.
8. THE TREE PROTECTION FENCING (IF REQUIRED) ON THIS PROJECT WILL BE INSTALLED AND INSPECTED BEFORE THE GRADING PERMIT IS ISSUED.
9. TO MINIMIZE DAMAGE TO EXISTING TREES NEAR THE INTERIOR EDGE OF BUFFERS AND STREETSCAPES, THE CONTRACTOR SHALL CUT MINIMUM 2' TRENCHES ALONG THE LIMITS OF DISTURBANCE, SO AS TO CUT, RATHER THAN TEAR, ROOTS.
10. THE TREE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION PRIOR TO THE CERTIFICATE OF OCCUPANCY (CO) IS SCHEDULED. THE FENCING SHALL BE REMOVED PRIOR TO FINAL SITE INSPECTION FOR THE CO.
11. SEE SHEET 6.0 FOR SEEDBED PREPARATION.

**EROSION CONTROL NARRATIVE**

THE 0.58 ACRE SITE IS LOCATED EAST OF GREEN LEVEL TO DURHAM ROAD ON PARCEL A OF CARY PARK TOWN CENTER. THE SITE WILL BE DEVELOPED AS A COMMERCIAL BUILDING. THE SITE SLOPES EAST AWAY FROM GREEN LEVEL TO DURHAM ROAD. SEDIMENT RUNOFF WILL BE CONTROLLED BY THE USE OF SILT FENCE ALONG THE PERIMETER, INLET PROTECTION, CATCH BASIN RISER/FILTER, AND WILL UTILIZE THE EXISTING EROSION CONTROL MEASURES IN PLACE WITHIN THE SHOPPING CENTER.



**PROFESSIONAL ENGINEER**  
 NORTH CAROLINA  
 11/16/07  
 GRAPHIC SCALE  
 1 inch = 20 ft.

Cary Project Number 07-SP-068  
**APPROVED**  
**TOWN OF CARY**  
 Approved by DEC Date 9/20/07  
 Planning VAH Date 11/20/07  
 Engineering TS Date 11-28-07

K:\A\A-470\0447530-Cary Park TC-1 Building A-3\A00\Construction Drawings\11607\SP\03.dwg - November 15, 2007 - PW 0706E

No.	Revision	Date	By
1	TOC 1st REVIEW COMMENTS	08/30/07	CJM
2	FINAL MYLARS	11/16/07	PMO

Designer	W&R	Scale	1" = 20'
Drawn By	LAW	Date	07/12/07
Checked By	PMO	Job No.	2040475.30

**CARY PARK TOWN CENTER BUILDING A-3**  
**1030 GREEN LEVEL TO DURHAM ROAD**  
 CARY WAKE COUNTY NORTH CAROLINA

**GRADING, DRAINAGE, & EROSION CONTROL PLAN**

**WITHERS & RAVENEL**  
 ENGINEERS | PLANNERS | SURVEYORS  
 111 MacKinnon Drive Cary, North Carolina 27511 tel: 919-469-3340 fax: 919-467-6008 www.wITHERSRAVENEL.com

Sheet No.  
**3.0**