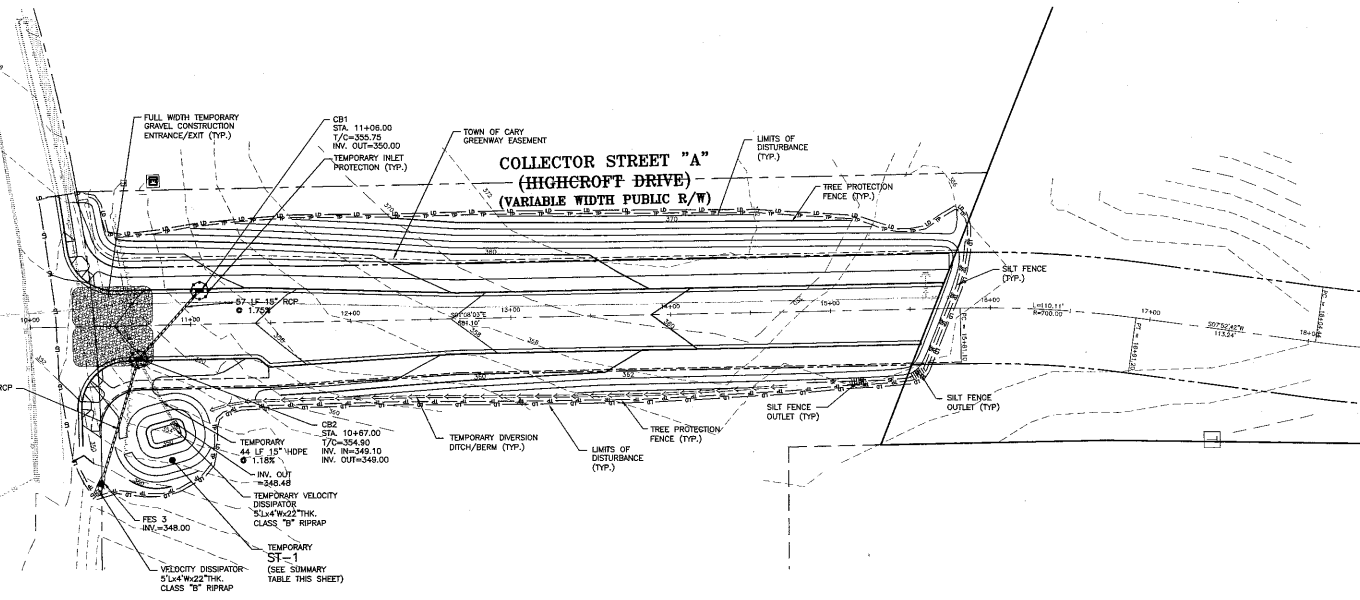


McCRIMMON PARKWAY



TEMPORARY SEDIMENT TRAP DESIGN TABLE	
Sediment Trap ID	ST1
Top Elevation	2.8' cfm
Bottom Length	20.0' ft
Bottom Width	10.0' ft
Sediment Depth	3.0' ft
Freeboard from Sediment Depth	1.0' ft
Depth to Crest of Spillway	4.0' ft
Side Slopes	3:0' H:1' V
Spillway Length	30.0' ft
Height of Berm	5.0' ft
Top of Trap Length	30.0' ft
Top of Trap Width	30.0' ft
Storage Volume Required	854
Storage Volume Provided	2190
Sediment Surface Area (sq. ft)	1290
Sediment Surface Area (sq. ft)	1230
Slipstream Volume (cfs)	1.5
Draw Down Period (hrs)	48
Volume Area (sq. ft)	1535
Volume Area (sq. ft)	1535

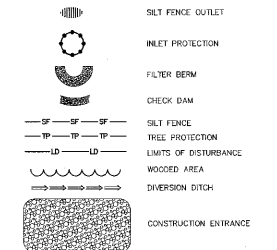
**CONSTRUCTION SEQUENCE**

- OBTAIN GRADING PERMIT AND SCHEDULE A PRE-CONSTRUCTION MEETING WITH TOWN OF CARY ENGINEERING DEPT., STORMWATER SERVICES DIVISION 919.469.4038.
- INSTALL ALL EROSION CONTROL MEASURES AS SHOWN ON EROSION CONTROL PLAN. BEGIN WITH SEDIMENT TRAP (ST1), SILT FENCE AND SILT FENCE OUTLETS. CLEAR AREAS AND GRAVE ONLY AS NECESSARY TO INSTALL THESE DEVICES. INSTALL FILTER SOCKS ON EXISTING INLETS ALONG McCRIMMON PARKWAY TO ASSURE NO SEDIMENT LOADED RUNOFF ENTERS THE EXISTING STORM SYSTEM.
- OBTAIN CERTIFICATE OF COMPLIANCE THROUGH ON-SITE INSPECTION BY EROSION CONTROL INSPECTOR.
  - NOTE: CONTRACTOR MAY HAVE TO INSTALL ADDITIONAL FLAGGING AND EROSION CONTROL DEVICES AROUND NEIGHBORS AND STREAMS AS REQUESTED AT THE SITE BY THE EROSION CONTROL INSPECTOR.
- PENDING APPROVAL FROM EROSION CONTROL INSPECTOR, PROCEED WITH GRADING AND INSTALL PERMANENT STORM DRAINAGE BEGINNING DOWN STREAM AND WORKING UP. INSTALL TEMPORARY BLOCK/PLUG ON PERMANENT 15" RCP OUTLET TO FEES 3 ON CB2. CONTRACTOR SHALL TEMPORARILY DIVERT STORM SYSTEM THROUGH ST1 ON 15" HOPE. INSTALL TEMPORARY INLET PROTECTION ON ALL UPSTREAM INLETS UNTIL SITE IS ESTABLISHED AND APPROVED.
- CLEAR AND FILL SLOPES WHEN ONE-HALF FULL (SEE STAKE PLACED IN TRAP DURING CONSTRUCTION WITH MARK INDICATING THE "1/2 FULL" DELINEATION-WHEN MARK ON STICK IS REACHED THROUGH SEDIMENT DEPOSITION, REMOVE SEDIMENT FROM DEVICE BACK TO DESIGN DIMENSIONS.) SEE SEDIMENT TRAP DETAIL.
- TEMPORARILY SEED AND MULCH GRADED AREAS AS THEY ARE BROUGHT UP TO GRADE. SEED AND MULCH DEMOLISHED AREA WITHIN 30 DAYS AFTER ANY PHASE OF GRADING.
- MAINTAIN SOIL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT ALL EROSION CONTROL DEVICES AT LEAST ONCE PER WEEK AND AFTER EVERY RAINFALL. IF DAMAGE OCCURS, CONTRACTOR SHALL REPAIR AND/OR REPLACE MEASURES AS NECESSARY.
- ONCE SITE IS UP TO FINAL GRADE, REQUEST FINAL APPROVAL BY EROSION CONTROL INSPECTOR. AFTER EROSION CONTROL INSPECTOR HAS APPROVED SITE, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES. BEGIN BY INSTALLING PERMANENT 15" RCP OUTLET TO FLEARD-2ND SECTION AND INSTALL PERMANENT RIPRAP VELOCITY DISSIPATOR, THEN REMOVE TEMPORARY BLOCK/PLUG IN CB2 AND PERMANENTLY PLUG 15" HOPE OUTLET WITH BRICK AND MORTAR. REMOVE ST1 AND RE-CRAKE AREA TO PROPOSED GRADES.
- SEEDOUT AND PAVE ANY RESULTING BARE AREAS ON SITE. REMOVE REMAINING TEMPORARY SOIL EROSION CONTROL MEASURES.

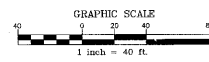
**TOWN OF CARY GRADING/EROSION CONTROL NOTES:**

- TO MINIMIZE DAMAGE TO EXISTING TREES NEAR THE INTERIOR EDGE OF BARBERS AND STREETCARRIAGES, THE CONTRACTOR SHALL CUT MINIMUM 2' TRENCHES ALONG THE LIMITS OF DISTURBANCE, SO AS TO CUT BARRIER THAN TREE ROOTS.
- 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 (COO) IS SCHEDULED. THE FENCING SHALL BE REMOVED PRIOR TO FINAL INSPECTION FOR THE CO.
- CLEAR AND FILL SLOPES WILL BE STABILIZED WITHIN 15 DAYS OF ANY PHASE OF GRADING.
- PROJECT MAY REQUIRE A PRE-CONSTRUCTION CONFERENCE BEFORE THE GRADING PERMIT IS ISSUED.
- STREETS IN FRONT OF THE PROJECT WILL BE KEPT CLEAN AT ALL TIMES ON A WASH STATION WILL BE REQUIRED.
- THE TREE PROTECTION FENCING ON THIS PROJECT WILL BE INSTALLED AND INSPECTED BEFORE THE GRADING PERMIT IS ISSUED.
- ESTABLISHMENT OF PERMANENT GROUND COVER WILL BE ESTABLISHED WITHIN 15 WORKING DAYS OR 30 CALENDAR DAYS FROM COMPLETION OF FINAL GRADES, WHICH EVER IS SHORTER.
- ALL STORM DRAIN FRAMES, GRATES & HOODS SHALL BE STAMPED WITH "MARKS TO THE INVERT" IN ACCORDANCE WITH TOWN OF CARY STANDARDS.
- TOTAL DISTURBED AREA = 1.39 AC.
- ALL SLOPES GREATER THAN 3.0 H : 1.0 V WILL REQUIRE EROSION CONTROL MATING WITH A MINIMUM 2 YEAR LIFE.

**EROSION CONTROL LEGEND**



06-517-064  
**APPROVED**  
 TOWN OF CARY  
 Approved by **DMC** Date 11-23-06  
 Planning **WZ** Date 1-2-07  
 Engineering **TS** Date 6-22-07



FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

**THE JOHN R. McADAMS COMPANY, INC.**  
 ENGINEERS/PLANNERS/SURVEYORS  
 RESEARCH TRIANGLE PARK, NC  
 P.O. BOX 14005 ZIP 27709-4005  
 (919) 301-1000



REVISIONS:

01-20-06	REV FOR CITY COMMENTS
02-20-06	REV FOR CITY COMMENTS
03-15-06	REV FOR ADJACENT PROPERTY OWNER
04-10-06	REV FOR CITY COMMENTS
05-22-07	REV FOR CITY COMMENTS
06-22-07	REV FOR CITY COMMENTS

OWNER:  
**ALSTON TOWN CENTER**  
 8010 ARCO CORPORATE DRIVE, SUITE 114  
 RALEIGH, NORTH CAROLINA  
 919-821-2700

**ALSTON TOWN CENTER**  
**COLLECTOR STREET "A"**  
**CARY, NORTH CAROLINA**  
**GRADING AND EROSION CONTROL PLAN**

PROJECT NO. AAC-04010  
 DRAWING: AAC04010-EC1  
 DESIGNED BY: -  
 DRAWN BY: SRW  
 SCALE: 1"=40'  
 EAST: 05-11-06  
 SHEET NO. **EC-1**  
**McADAMS**