

**CONSTRUCTION SEQUENCE**

- STAGE 2**
- AFTER COMPLETION OF STAGE 2 EROSION CONTROL IN THE WEST PARKING LOT, AND STORMWATER PIPING HAS BEEN INSTALLED FOR STRUCTURE 5 THROUGH 16, INSTALL TEMPORARY SEDIMENT BASIN #2 AND ATTACH SKIMMER TO CURB INLET #5. LIMIT CLEARING AND DISTURBANCE UNTIL BASIN #2 IS OPERATIONAL.
  - OBTAIN CERTIFICATE OF COMPLIANCE THROUGH ON SITE INSPECTION BY EROSION CONTROL OFFICER.
  - CLEAN SEDIMENT BASIN WHEN ONE HALF FULL.
  - PROCEED TO STAGE 3.

RISER/SKIMMER BASIN DESIGN SCHEDULE	
SEDIMENT BASIN NO	2
TYPE OF BASIN	SKIMMER BASIN
DRAINAGE AREA 'A' (ACRES)	1.6
DENUDED AREA (ACRES)	1.6
COMPOSITE C VALUE	0.20
10-YEAR INTENSITY 'I' (IN/HR)	7.22
Q10 DISCHARGE = CIA (CFS)	2.4
SURFACE AREA REQUIRED (SF)	1,040
SURFACE AREA PROVIDED (SF)	1,350
VOLUME REQUIRED (CF)	2,826
VOLUME PROVIDED (CF)	2,933
BASIN LENGTH (FEET)	45
BASIN WIDTH (FEET)	31
BASIN DEPTH - INVERT TO SPILLWAY (FEET)	4.0
SPILLWAY WIDTH WITH 2:1 SIDE SLOPES (FEET)	10
SKIMMER SIZE	3" Skimmer
	w/1.00" Orifice
DRAWDOWN TIME (DAYS)	2.45

**NOTES:**  
 ALL THE TREE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION IS SCHEDULED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY (CO). THE FENCING SHALL BE REMOVED IMMEDIATELY PRIOR TO THE FINAL SITE INSPECTION FOR THE SITE.

TREE PROTECTION FENCING SHALL NOT BE MOVED AND THERE SHALL BE NO ENCROACHMENT INTO SUCH PROTECTED AREA(S) WITHOUT WRITTEN AUTHORIZATION OF THE TOWN'S ZONING COMPLIANCE STAFF. ANY ACTIVITY (LANDSCAPING, FENCING, OR UTILITY INSTALLATION) SHOWN ON THE APPROVED PLANS IN A TREE PROTECTION AREA, SHALL ALSO NOT OCCUR WITHOUT WRITTEN AUTHORIZATION FROM THE TOWN'S ZONING COMPLIANCE STAFF. ANY UNAUTHORIZED ENCROACHMENT OR DISTURBANCE WITHIN THE BOUNDARIES OF A TREE PROTECTION AREA SHALL AUTOMATICALLY RESULT IN FINES AND THE REPLACEMENT OF ANY DAMAGED VEGETATION IN ACCORDANCE WITH THE LAND DEVELOPMENT ORDINANCE.

CUT AND FILL SLOPES THAT ARE (2:1) OR GREATER SHALL BE STABILIZED WITH PERMANENT SLOPE RETENTION DEVICES OR A SUITABLE COMBINATION OF PLANTINGS AND RETENTION DEVICES. SLOPES GREATER THAN (3:1) SHALL NOT BE STABILIZED WITH TURF GRASS BUT MUST BE STABILIZED WITH VEGETATION THAT REQUIRES MINIMAL MAINTENANCE, WEEPING LOVE GRASS, RED FESCUE OR OTHER APPROVED VARIETY. (CHAPTER 7, PART 2 SECTION 4, (G) LDO.

GRADING PERMIT WILL NOT BE ISSUED UNTIL THE TOWN OF CARY HAS RECEIVED NOTIFICATION FROM THE ECOSYSTEM ENHANCEMENT PROGRAM OR AN APPROVED NUTRIENT OFFSET BANK THAT A RECEIPT HAS BEEN ISSUED TO THE DEVELOPER AND THE LOCAL GOVERNMENT STATING THE NITROGEN BUY DOWN HAS BEEN COMPLETED.

**LEGEND**

- TEMP LOW SPOT
- TEMP INLET PROTECTION
- TEMP SEDIMENT BASIN
- TEMP CONSTRUCTION ENTRANCE
- TEMP DIVERSION DITCH (LINED-SEE DETAIL)
- TEMP SILT FENCE
- TEMP TREE PROTECTION FENCE
- TREE PROTECTION/SILT FENCE COMBO
- LIMITS OF DISTURBANCE

ALL EROSION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED AFTER EVERY RAIN EVENT AND ONCE PER WEEK. THE CONTRACTOR OR THE OWNER SHALL CONDUCT INSPECTIONS IN COMPLIANCE WITH NPDES REQUIREMENTS AND RECORDS OF THOSE INSPECTIONS SHALL BE KEPT AVAILABLE ONSITE.

ALL ADJACENT STREETS WILL BE KEPT CLEAN AT ALL TIMES OR A WASH STATION WILL BE REQUIRED.

NO WETLANDS EXIST ON-SITE

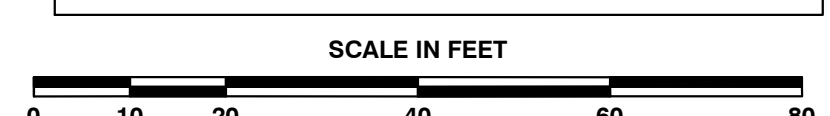
NOTE: ALL CONSTRUCTION ACTIVITY MUST BE IN ACCORDANCE WITH THE ACCEPTED POLICIES OF THE TOWN OF CARY AND NCDOT



APPROVED by the Town of Cary Development Review Committee



By: Kevin A. Hales  
04/17/2018



**BASS, NIXON & KENNEDY, INC.**  
**CONSULTING ENGINEERS**  
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 TELEPHONE: (919)951-4222 OR (800)354-1879 FAX: (919)951-8668  
 CERTIFICATION NUMBERS: NOBELS (C-0110); NCBOLA (C-0267)

PROGRESS	DATE	IP	DESCRIPTION
4	03-06-18	IP	PER TOC COMMENTS
3	02-08-18	IP	PER TOC COMMENTS
2	11-09-17	IP	PER TOC COMMENTS
1	09-14-17	IP	PER TOC COMMENTS
			NO. DATE DESCRIPTION

CHK BY: KRB

SCALE: 1" = 20'

**TRIANGLE AQUATIC CENTER**  
**WEST & SOUTH PARKING EXPANSION**  
 PROJECT NO. 18-DP-0033  
 TOWN OF CARY, WAKE COUNTY, NORTH CAROLINA

RELEASED FOR CONSTRUCTION OR BID SOLICITATION