

CONSTRUCTION SEQUENCE

- OBTAIN TOWN OF CARY GRADING PERMIT (ENVIRONMENTAL PERMIT).
- INSTALL TEMPORARY GRAVEL CONSTRUCTION ENTRANCES, DIVERSION DITCHES, SILT FENCE, TREE PROTECTION FENCE AND SEDIMENT BASINS #1 AND #2 PER THE APPROVED SOIL EROSION AND SEDIMENTATION CONTROL PLAN.
- CALL THE TOWN OF CARY EROSION CONTROL INSPECTOR AT 469-4043 FOR AN ONSITE INSPECTION PRIOR TO ANY LAND DISTURBING ACTIVITY.
- OBTAIN A CERTIFICATE OF COMPLIANCE.
- BEGIN CLEARING, GRUBBING AND GRADING PER THE APPROVED PLAN. MAINTAIN ALL MEASURES AS REQUIRED TO ENSURE THEIR PROPER OPERATION.
- INSTALL THE STORM WATER COLLECTION SYSTEM AND PROTECT STORM INLETS WITH SILT FENCE, GRAVEL FILTERS, SEDIMENT TRAPS OR OTHER APPROVED MEASURES AS SHOWN ON THE PLANS. INSTALL ONLY THE SEGMENTS OF STORM SEWER PIPE THAT DO NOT CONFLICT WITH THE LOCATION OF THE SEDIMENT BASINS AND CATCH BASIN RISER BASINS.
- GRADED SLOPES AND RISERS ARE TO BE PLANTED OR PROVIDED WITH PROTECTIVE COVER SUFFICIENT TO RESTRAIN EROSION WITHIN 15 WORKING DAYS OR 30 DAYS, WHICHEVER IS SOONER, AFTER COMPLETION OF ANY PHASE OF GRADING. ALL AREAS UPON WHICH NO FURTHER LAND DISTURBING ACTIVITY WILL BE UNDERTAKEN ARE TO BE PLANTED OR PROVIDED WITH PROTECTIVE COVER WITHIN 30 WORKING DAYS. THIS INCLUDES THE AREAS WHERE BUILDINGS ARE TO BE LOCATED AND NOT BUILT ON WITHIN THE 30 WORKING DAYS. USE THE SEED BED PREPARATION AND SEEDING SCHEDULE FOR SLOPE STABILIZATION MEASURES.
- AS CONSTRUCTION PROGRESSES INSTALL PERMANENT EROSION CONTROL MEASURES SUCH AS RIP RAP APRONS, VELOCITY DISSIPATORS, CHANNEL LINERS AND GRAVEL BASE COURSE, ETC.
- WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED CALL FOR ONSITE INSPECTION BY THE SEDIMENTATION CONTROL INSPECTOR.
- IF SITE IS APPROVED, REMOVE TEMPORARY DIVERSION DITCHES, SILT FENCE, SEDIMENT BASINS, ETC. AND INSTALL REMAINING STORM STRUCTURES, FLARED END SECTIONS AND RIP RAP DISSIPATER PADS. THEN SEED, PAVE OR RIP-RAP RESULTING DISTURBED AREAS.
- WHEN VEGETATION IS ESTABLISHED CALL FOR FINAL SITE INSPECTION. IF THE SITE IS APPROVED THE PERFORMANCE BOND, IF REQUIRED, WILL BE RELEASED.

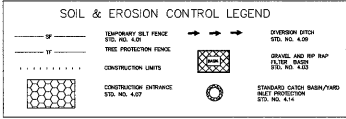
SEDIMENT BASIN SCHEDULE

SEDIMENT BASIN	#1	#2
DEVELOPED AREA (ac.)	10.97	1.29
DRAINAGE AREA (ac.)	13.82	1.29
REQUIRED STORAGE 1800 ft ³ OF X DA	25,028	2,322
BASIN TOE DIMENSIONS	28 x 105	49 x 29
BASIN TOP DIMENSIONS	125 x 225	67 x 47
BASIN DEPTH	3'	3'
STORAGE PROVIDED	31,163 cf	4,092 cf
Q10 (0.5 x DRAIN AREA x 7.22)	44.57 cfs	4.66 cfs
TRAPPING EFFICIENCY (Q10 x 435) (sf)	19,415	2,029
BASIN SURFACE AREA PROVIDED	22,527	2,540
WEIR WIDTH	6'	5'
WEIR LENGTH	20'	10' MIN

*SEE HYDROGRAPH FOR Q10 CALCULATION

USE GRAVEL AND RIP RAP FILTER BASIN DTL 4.03 SHT. 21
 PLACE DIVERSION DITCH PER DTL 4.09 SHT. 21
 PLACE SILT FENCE PER DTL 4.01 SHT. 21
 PLACE GRAVEL CONSTRUCTION ENTRANCE PER DTL 4.07 SHT. 21

WEIR LENGTH CALCS:
 Q = Q10 L = Q/QCH^{1.5}
 BASIN #1 L = 44.6/2.90^{1.5} = 17.2
 BASIN #2 L = 4.7/2.80^{1.5} = 1.6 USE 10' MIN



- GENERAL CONSTRUCTION NOTES
- ALL DIMENSIONS SHOWN ARE TO THE BACK OF CURB UNLESS OTHERWISE INDICATED OR THE PLACE CONTACT THE TOWN OF CARY.
 - ALL CURB AND GUTTER SHOW WITHIN THE SITE IS STANDARD 24" 30" WITHIN 30' OF MAX.
 - GRADING ALONG THE LINES SHALL BE PAINTED YELLOW AND MAINTAINED ACCORDING TO THE TOWN OF CARY DEPARTMENT 1500 CONSTRUCTION OF THE PROPOSED SPECIFICITY.
 - ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT TOWN OF CARY STANDARD SPECIFICATIONS AND DETAILS.
 - ALL EXTERIOR LIGHTING SHALL BE DESIGNED TO PREVENT OFF-SITE LIGHT POLLUTION.
 - IT IS THE RESPONSIBILITY OF THE OWNER/ENGINEER TO SECURE THE FOLLOWING PERMITS AFTER TOWN COUNCIL APPROVAL: THE TOWN OF CARY GRADING PERMIT AND OTHER PERMITS THE PROJECT MAY REQUIRE. A SUFFICIENT INSURANCE TO COVER THE PROJECT MUST BE COMPLETED BEFORE AN ENVIRONMENTAL PERMIT WILL BE ISSUED. THIS PROJECT MAY REQUIRE A PRE CONSTRUCTION CONFERENCE BEFORE AN ENVIRONMENTAL PERMIT IS ISSUED.
 - THE TOWN OF CARY DEPARTMENT 1500 CONSTRUCTION OF THE PROPOSED SPECIFICITY OF GRADING ACTIVITIES. CONTACT 610.01 AT 1-800-652-4349 FOR FIELD LOCATION OF CONSTRUCTION LINES.
 - ALL PAVEMENT SHALL BE 2" x 2" x 4" ASP. STONE FOR TRAVEL AND 2" x 2" x 4" ASP. STONE FOR PARKING STRIPS.
 - UNLESS OTHERWISE NOTED, ALL SPOT ELEVATIONS ARE TOP OF FINISH FOR PAVED AREAS AND STRUCTURAL FLOOR FOR BUILDING DIMENSIONS AND FEATURES.
 - SEE PLUMBING PLANS FOR LOCATION AND SIZE OF ROOF DRAIN, WATER LINES AND SEWER LINES.
 - SEWER MATERIALS SHALL BE PLACED AT A MINIMUM SLOPE OF 1/8" PER FOOT AND 1/4" PER FOOT. 12" LINES AND 15" LINES AND 18" LINES SHALL BE PLACED AT A MINIMUM SPACING OF 12" ON 4" LINES AND 10" ON 6" LINES. THE SLOPE OF HANGING PARKING STRIPS SHALL NOT EXCEED 1/4" PER FOOT.
 - SEE SHEETS 21-24 FOR SITE CONSTRUCTION DETAILS.
 - ALL UNPAVED DRIVEWAYS MUST BE COVERED IN ACCORDANCE WITH THE TOWN OF CARY DRIVEWAY ORDINANCE.
 - ALL NEW DRIVEWAYS SHALL BE PAINTED A COLOR THAT BLENDS WITH THE ROAD COLOR.
 - ALL DRIVEWAYS SHALL BE PAINTED ACCORDING TO THE TOWN OF CARY DRIVEWAY ORDINANCE.
 - ALL STORM DRAIN AND HOODS ON SITE SHALL BE STAINED WITH RED PAINT TO INDICATE IN ACCORDANCE WITH TOWN OF CARY STANDARDS.
 - STREETS IN FRONT OF THIS PROJECT SHALL BE KEPT CLEAN AT ALL TIMES AND A MAIN STATION SHALL BE MAINTAINED.
 - THE BEST MANAGEMENT PRACTICES AND ENGINEERED STORM WATER CONTROL STRUCTURES AS DETAILLED IN THE TOWN OF CARY DRIVEWAY DEVELOPMENT ORDINANCE (CHAPTER 4, PART 4.6.100).
 - ALL UTILITIES SHALL BE LOCATED AND MARKED PRIOR TO THE START OF CONSTRUCTION. ALL UTILITIES SHALL BE PROTECTED AS REQUIRED.
 - SEE BARRIERS, STRUCTURES AND MARKINGS MUST BE ON SITE BEFORE THE GRADING PERMIT IS ISSUED IN QUARTER CREEK.
 - SEE THE WATERSHED FOR THIS SITE IN QUARTER CREEK.

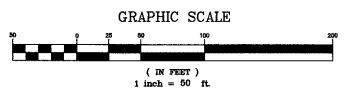
*100 YEAR FLOOD PLAN
 PER CARY DEVELOPMENT PERMITS

ENTIRE SITE TO BE GRADED IN PHASE 1

06-SP-101-A
 APPROVED
 TOWN OF CARY
 Approved by: [Signature] Date: 1-28-08
 Planning: [Signature] Date: 4-1-08
 Engineering: [Signature] Date: 3/24/08



[Signature]
 11/19/07



INITIAL SITE SEDIMENTATION AND EROSION CONTROL PLAN
 WEATHERFIELD TOWNHOMES - PHASE 1
 AT HAVEN SITE COURT PDD
 CARY, NORTH CAROLINA

AYES
 Professional Engineers & Land Surveyors
 3705 Remond Drive
 Raleigh, North Carolina 27609
 Phone: 919-777-4777
 Email: AYES@AYESLTD.COM

DATE: 09/20/07
 REVISIONS: 11/19/07