



LINETYPE LEGEND			LEGEND SYMBOLS		
EXISTING	NAME	PROPOSED	ABBREV.	SYM.	NAME
— W —	WATER LINE	— G —	MHPR	●	PROPOSED MAN HOLE
— G —	GAS LINE	— G —	MH EX	○	EXISTING MAN HOLE
— OE —	OVERHEAD ELECTRIC	— OE —	FESPR	○	PROPOSED FLARED END SECTION
— UE —	UNDERGROUND ELECTRIC	— UE —	FESEX	○	EXISTING FLARED END SECTION
— OT —	OVERHEAD TELEPHONE	— OT —	YPR	□	PROPOSED YARD INLET
— UT —	UNDERGROUND TELEPHONE	— UT —	YEX	□	EXISTING YARD INLET
— SD —	STORM DRAIN	— SD —	CBPR	□	PROPOSED CATCH BASIN
— S —	SANITARY SEWER	— S —	CBEX	□	EXISTING CATCH BASIN
— FM —	FORCE MAIN	— FM —	VINLET	○	PROPOSED V INLET
— CL —	CENTERLINE	— CL —	SEDBASIN	○	PROPOSED SEDIMENTATION BASIN
— PL —	PHASE LINE	— PL —			
— X —	FENCE LINE	— X —			
— SF —	SILT FENCE LINE	— SF —			
— SL —	STREAM LINE	— SL —			
— TL —	TREE LINE	— TL —			
— CG —	CURB & GUTTER LINE	— CG —			
— CL —	CONTOUR LINE	— CL —			
— IC —	INDEX CONTOUR LINE	— IC —			
— PL —	PROPERTY LINE	— PL —			
— SD —	SWALE/DITCH LINE	— SD —			
— GR —	GUARD RAIL LINE	— GR —			
— EL —	EASEMENT LINE	— EL —			
— RL —	ROW LINE	— RL —			
— FL —	FLOW LINE	— FL —			
— TD —	TEMP DIVERSION LINE	— TD —			
— C —	FILL LIMITS	— C —			
— R —	RIGHT PROFILE	— R —			
— L —	LEFT PROFILE	— L —			

  

EROSION CONTROL LEGEND	
— TD —	TEMP DIVERSION DITCH
— SF —	SILT FENCE
○	SEDIMENTATION BASIN
□	PROPOSED CATCH BASIN W/ T.O.C. 4.14 INLET PROTECTION
~~~~~	Tree Protection Fence

**NOT FOR CONSTRUCTION**  
PLANS FOR INFRASTRUCTURE ONLY

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE W/ TOWN OF CARY STANDARD SPECS AND DETAILS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING CONDITIONS. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCIES BETWEEN FIELD CONDITIONS AND THESE DRAWINGS.
- NO 100 YEAR FLOOD ZONE.
- VELOCITY REDUCTION PADS SHALL BE INSTALLED AFTER T.O.C. AUTHORIZES REMOVAL OF SEDIMENT BASINS.
- AREA OF DISTURBANCE = 4.70 AC., TOTAL PHASE 17 AREA = 12.76 AC.
- CONTRACTOR WILL KEEP STREETS CLEAN AT ALL TIMES, OR A WASH STATION WILL BE REQUIRED.
- ALL CATCH BASINS SHALL HAVE INLET PROTECTION.
- SOILS ON SITE ARE CREEDEMORE-WHITESHORE.
- PROJECT TRIBUTARY TO CROFTREE LAKE WATERSHED.
- NO WETLANDS PRESENT ON THE SITE.
- ALL CUTS AND FILL SLOPES MUST BE STABILIZED WITHIN 15 DAYS OF ANY PHASE OF GRADING.
- IMPERVIOUS AREA = 1.40 ACRES
- EACH LOT IS TO BE CLEARED INDIVIDUALLY OR IF LOTS ARE CLEARED JOINTLY AND THE DENUDED (DISTURBED) AREA IS OVER 12,000 SQ FT AN EROSION CONTROL PLAN WILL HAVE TO BE SUBMITTED BEFORE THIS CLEARING BEGINS.
- TREE PROTECTION FENCING ON THIS PROJECT WILL BE INSTALLED AND INSPECTED BEFORE THE GRADING PERMIT IS ISSUED.
- DIVERSION DITCHES FROM PHASE 17 WILL GO THROUGH PHASE 18 INTO THE LARGE SEDIMENT BASIN LOCATED IN PHASE 18 AND WILL BE REMOVED AND RELOCATED AS PHASE 18 CONSTRUCTION PROCEEDS
- $Q (CIA) = (0.25) (7.22) (12.76) = 23.00 \text{ C.F.S.}$   
 $Q (CIA) = (0.4) (7.22) (12.76) = 36.90 \text{ C.F.S.}$
- TREE PROTECTION FENCING ON THIS PROJECT WILL BE INSTALLED AND INSPECTED BEFORE THE GRADING PERMIT IS ISSUED.
- THE LARGE SEDIMENT BASIN SHOWN IN PHASE 18 WILL BE INSTALLED PRIOR TO CONSTRUCTION OF PHASE 17 AND WILL NOT BE REMOVED UNTIL MAJORITY OF THE COMPLETION OF PHASE 1 AND AUTHORIZATION BY A T.O.C. EROSION CONTROL INSPECTOR.

\* A PRE-CONSTRUCTION CONFERENCE MAY BE REQUIRED BEFORE GRADING PERMIT IS ISSUED.

- APPROVED**  
7/2 11-12-99  
JFP 11/15/99
- CONSTRUCTION SEQUENCE FOR PROJECT SHALL BE AS FOLLOWS:
- Obtain grading permit
  - Install all erosion control permits as shown.
  - Obtain certificate of compliance through on-site inspection by town Environmental Inspector.
  - Proceed with grading.
  - Clean sediment basins when one-half full
  - Seed and mulch denuded area within thirty (30) days after finished grades are established.
  - Maintain soil erosion control measures until permanent ground cover is established.
  - Request final approval by Town Environmental Inspector.
  - Remove soil erosion measures and stabilize these areas.
  - All cut/fill slopes shall be stabilized within 15 days of any phase grading.
  - Tree protection fencing will be installed and inspected before issuance of grading permit

DRAINAGE SCHEDULE - RATIONAL METHOD											
DATE: Nov 6/20/99						INTENSITY:					
PROJECT: CARPENTER VILLAGE 17						2 YEAR = 5.88 IN/HR		10 YEAR = 7.22 IN/HR		25 YEAR = 8.19 IN/HR	
EXCELORCARTVA											
NO.	LOC.	TO	FROM	AREA	CONTR.	CONTR.	CONTR.	CONTR.	CONTR.	CONTR.	CONTR.
				(AC)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)
70		71	7.44	7.44	0.5	2.8	30.5	348.00	347.50	48	0.027
71		76	.40	9.08	0.5	1.1	34.0	347.72	347.28	22	.02
76		77	0.4	0.4	0.5	1.1	37.2	347.18	341.80	278	.02
77		78A	2.56	12.12	0.5	2.0	49.7	341.22	339.18	100	.02
78A		77	.72	12.84	0.5	2.0	2.9	339.18	337.70	148	.01
77		78	.4	0.8	0.5	1.1	2.9	342.10	341.30	180	0.008
78		79	.20	.20	0.5	0.8	382.84	382.50	22	.02	
79		80	.44	.64	0.5	1.2	2.9	382.30	337.88	307	.048

NOTES: CB IN PHASE 18. IF PHASE 18 IS NOT CONSTRUCTED WITH PHASE 17, THEN THE TEMP BASINS INDICATED WILL BE INSTALLED

