

SEDIMENT BASINS					
PROJECT: CARPENTER VILLAGE 16					
DATE: 7/21/99					
NO.	AREA	INLET	OUTLET	TYPE	SIZE
55	3.04	1.00	1800	6X18X17	
61	2.62	1.47	2040	6X20X25	
68	4.88	2.93	5274	7X26X30	

OUTLET PROTECTION					
PROJECT: CARPENTER VILLAGE 16					
DATE: 7/21/99					
NO.	TYPE	SIZE	INLET	OUTLET	TYPE
55	6X8X12	A	3		
61	6X8X12	A	3		
68	6X4X12	A	3		

DRAINAGE SCHEDULE - RATIONAL METHOD											
DATE: rev. 6/20/99		INTENSITY:		2 YEAR = 8.46 IN/HR		10 YEAR = 7.22 IN/HR		24 YEAR = 6.19 IN/HR			
63	64	2.6	2.6	0.5	7.2	10.7	338.22	338.0	22	.01	RCP
64	65	.44	3.04	0.5	1.2	12.5	338.0	337.60	100	.003	RCP
66	67	.76	.76	0.5	2.1	3.1	340.23	340.0	22	.01	RCP
68	69	.80	1.86	0.5	2.2	8.4	339.92	338.30	180	0.009	RCP
69	70	.68	2.24	0.5	1.9	9.2	338.22	338.0	22	.01	RCP
70	71	.28	2.52	0.5	0.8	10.3	338.0	337.8	100	.003	RCP
72	73	.24	.24	0.5	0.7	1.0	334.00	333.90	22	.003	RCP
74	75	1.02	1.28	0.5	2.9	5.2	333.90	333.80	20	.003	RCP
76	77	.6	1.86	0.5	1.7	7.6	333.78	333.48	60	.003	RCP
78	79	1.00	2.94	0.5	3.0	15.1	333.21	332.96	28	.003	RCP
80	81	1.80	4.74	0.5	3.9	18.4	333.21	333.10	22	.003	RCP
82	83	.24	4.98	0.5	0.7	20.4	333.10	332.60	120	.003	RCP
84	85	.24	4.98	0.5	0.7	20.4	333.10	332.60	120	.003	RCP

LINE TYPE LEGEND

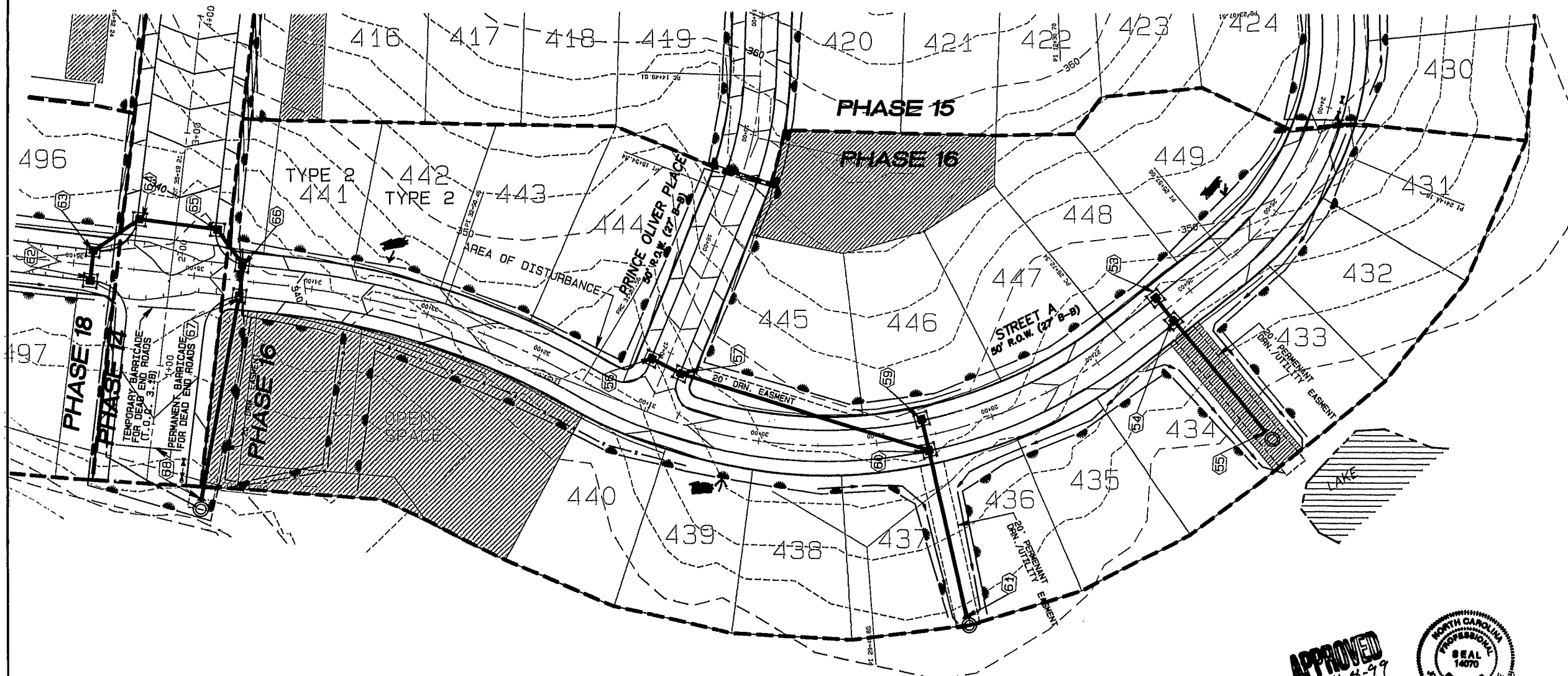
EXISTING	NAME	PROPOSED
— W —	WATER LINE	— G —
— G —	GAS LINE	— DE —
— OE —	OVERHEAD ELECTRIC	— UE —
— UE —	UNDERGROUND ELECTRIC	— OT —
— OT —	OVERHEAD TELEPHONE	— UT —
— UT —	UNDERGROUND TELEPHONE	
— FM —	FORCE MAIN	
— CL —	CENTERLINE	
— PL —	PHASE LINE	
— FL —	FENCE LINE	
— SL —	SILT FENCE LINE	
— ST —	STREAM LINE	
— TL —	TREE LINE	
— CG —	CURB & GUTTER LINE	
— CL —	CONTOUR LINE	
— 320 —	INDEX CONTOUR LINE	
— PL —	PROPERTY LINE	
— SD —	SWALE/DITCH LINE	
— GR —	GUARD RAIL LINE	
— EL —	EASEMENT LINE	
— RL —	ROW LINE	
— FL —	FLOW LINE	
— TD —	TEMP DIVERSION LINE	
— C —	CUT LIMITS	
— F —	FILL LIMITS	
— R —	RIGHT PROFILE	
— L —	LEFT PROFILE	

LEGEND SYMBOLS

ABBREV.	SYM.	NAME
MHPR	○	PROPOSED MAN HOLE
MH EX	○	EXISTING MAN HOLE
FESPR	◁	PROPOSED FLARED END SECTION
FES EX	▷	EXISTING FLARED END SECTION
YIFR	□	PROPOSED YARD INLET
YIE EX	□	EXISTING YARD INLET
CBPR	■	PROPOSED CATCH BASIN
CB EX	■	EXISTING CATCH BASIN
VINLET	◻	PROPOSED V INLET
SEDBASIN	○	PROPOSED SEDIMENTATION BASIN

EROSION CONTROL LEGEND

TEMP DIVERSION DITCH	—
SILT FENCE	—
SEDIMENTATION BASIN	○
PROPOSED CATCH BASIN W/ T.O.C. 4.14 INLET PROTECTION	■
TREE PROTECTION FENCE	—
AREA OF DISTURBANCE	—



- NOTE:**
INSTALL SEDIMENT BASINS AND DIVERSION DITCHES PRIOR TO CONSTRUCTION.
- 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 = 5.40 AC., TOTAL PHASE 16 AREA = 8.65 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 CREEDMORE-WHITESHORE.
 - PROJECT TRIBUTARY TO CRABTREE LAKE WATERSHED.
 - NO WETLANDS PRESENT ON THE SITE.
 - ALL CUT AND FILL SLOPES MUST BE STABILIZED WITHIN 15 DAYS OF ANY PHASE OF GRADING.
 - IMPERVIOUS AREA = 0.75 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.
 - 0 (CIA) = (0.25) (7.22) (8.65) = 15.60 C.F.S.
0 (CIA) = (0.4) (7.22) (8.65) = 25.00 C.F.S.
 - * A PRE-CONSTRUCTION CONFERENCE MAY BE REQUIRED BEFORE GRADING PERMIT IS ISSUED.
 - TREE PROTECTION FENCING ON THIS PROJECT WILL BE INSTALLED AND INSPECTED BEFORE THE GRADING PERMIT IS ISSUED.

APPROVED
Feb 11-23-99
JPP 11/15/99

PROFESSIONAL SEAL
14670
HUGH J. GILLEECE
CARY, NC

14607.99

GRAPHIC SCALE
0 50 100 150

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- 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