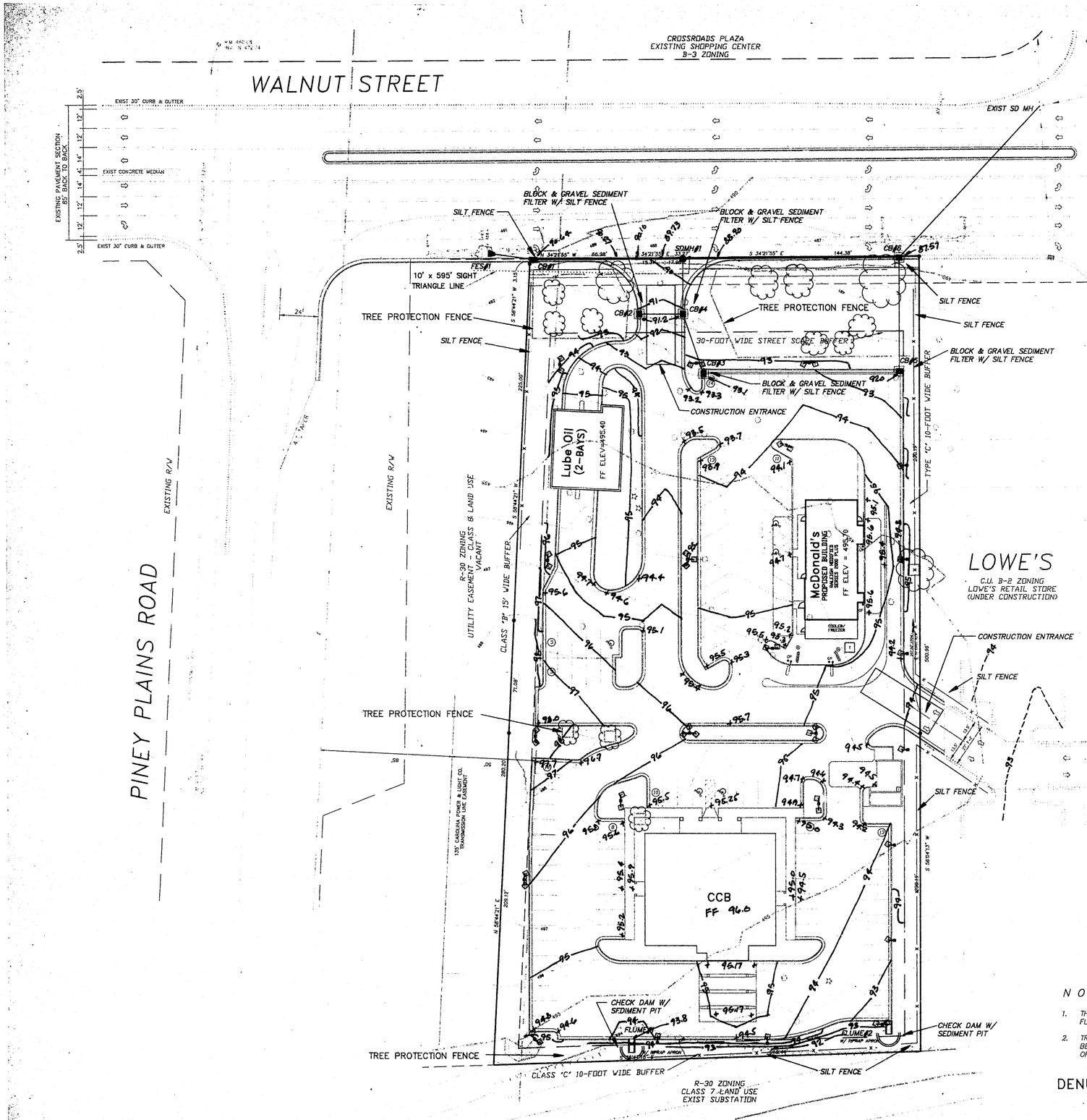

THE CONTRACTOR SHALL INSTALL THE TWO (2) CONCRETE DRAINAGE FLUMES AFTER THE SITE IS STABLIZED.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT TOWN OF CARY STANDARD DETAILS AND SPECIFICATIONS.
2. CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
3. CONTRACTOR SHALL REFER TO THE FOLLOWING TOWN OF CARY STANDARDS FOR CONSTRUCTION AND/OR INSTALLATION OF THE FOLLOWING:

   STND. TEMPORARY SILT FENCE – STD NO. 4.01
   SEEDING & MULCHING – SECTION 4.02
   CATCH BASIN – 8.03
4. INSTALL TEMPORARY SILT FENCE ON ALL FOUR SIDES OF EACH EXISTING & PROPOSED DRAINAGE STRUCTURE.
5. MAINTENANCE OF ALL EROSION CONTROL FACILITIES SHALL BE IN ACCORDANCE WITH THE TOWN OF CARY CODE OF ORDINANCES, APPENDIX A – PLANNING AND ZONING, SEC. 105, RESPONSIBILITY FOR MAINTENANCE.

CONSTRUCTION SEQUENCE

1. OBTAIN GRADING PERMIT.
2. INSTALL ALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS.
3. OBTAIN CERTIFICATE OF COMPLIANCE THROUGH ON-SITE INSPECTION BY LOCAL EROSION CONTROL ENGINEER.
4. PROCEED WITH GRADING OPERATIONS.
5. CLEAN SEDIMENT BASINS WHEN HALF FULL.
6. UPON CONSTRUCTION OF EACH DRAINAGE STRUCTURE, INSTALL SEDIMENT FILTER AS CALLED OUT IN THE GENERAL NOTES AND MAINTAIN UNTIL SUCH TIME THAT THE PAVING BASE COURSE IS IN PLACE.
7. SEED AND MULCH DENUDED AREA WITHIN 30 DAYS AFTER FINISHED GRADES ARE ESTABLISHED.
8. MAINTAIN SOIL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
9. UPON FINAL APPROVAL BY EROSION CONTROL ENGINEER, REMOVE SOIL EROSION CONTROL FACILITIES AND STABILIZE AREAS.

STORM WATER RUNOFF CALCULATIONS

STRUCTURE	DA, AC	'C' FACTOR	Tm, MIN	Q10 CFS
EX FES1	0.9	0.4	7.5	2.70
EX FES 2	10.5	0.4	7.5	1.52
CB1	0.1	0.4	7.5	0.03
CB2	0.4	0.9	7.5	2.70
CB3	0.1	0.9	7.5	0.68
CB4	0.4	0.9	7.5	2.70
CB5	0.2	0.9	7.5	1.35
CB6	0.5	0.5	7.5	1.87

STORM DRAINAGE SYSTEM

FROM	TO	Q10 CFS	PIPE DIA.	LENGTH FEET	SLOPE %	INVERT IN @	INVERT OUT @
EX FES1	EX FES2	2.7	15"	32.0'	0.97	488.78	488.47
FES1	CB1	4.2	15"	28.96	7.49	488.41	486.24
CB1	MH1	4.5	15"	93.35	0.5	486.14	485.67
MH1	CB6	10.50	18"	135.99	0.56	485.67	484.50
CB6	EX MH	13.80	18"	130.41	1.43	484.40	482.53
CB2	CB4	2.70	15"	27.50	0.6	488.20	488.03
CB4	MH1	5.08	15"	134.77	5.64	487.83	486.87
CB3	CB4	0.68	15"	39.71	3.52	489.43	488.03
CB5	CB6	1.35	15"	71.84	2.51	486.34	484.50

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

8-31-93

NOTES:

1. THERE ARE NO FEMA DESIGNATED FLOOD PLAINS ON THIS SITE.
2. TREE PROTECTION FENCING SHALL BE INSTALLED AT THE PERIMETER OF THE TREE DRIP LINE.

DENUDED AREA = 108,526 S.F.

GRADING, DRAINAGE AND EROSION CONTROL

FOR CONSTRUCTION

NO.	DATE	DESCRIPTIONS	BY
		REVISIONS	

Rice & Associates
Civil Engineering & Planning
108 Greenaview Drive Cary, North Carolina 27511
Telephone: 919-233-9999 Fax: 919-233-0019

NORTH CAROLINA SEAL 019042 KEVIN W. RICE 8-31-93

2.966 ACRE TRACT
WALNUT STREET AT CROSSROADS
CARY, NORTH CAROLINA

McDonald's
3200 BEECHLEAF COURT, SUITE 300
RALEIGH, NORTH CAROLINA 27604

Horz. Scale: 1" = 30'
Vert. Scale: 1" =

DRAWING NUMBER
SP-3