

TREE CALCULATIONS

SITE CALCULATIONS
 TOTAL SITE = 3.081 AC.
 SDF=3.081 AC. X 30 UNITS / AC. = 92.43 UNITS TO REMAIN ON SITE
 EDF=594.22 UNITS ARE SAVED ON THE SITE.
 EDF > SDF
 NO TREE NEEDS TO BE PLANTED FOR SITE DENSITY
 SPECIMEN TREE CALCULATIONS
 29.4 UNITS OF SPECIMEN TREES ARE TO BE REMOVED ON THE SITE.
 29.4 UNITS X 2 = 58.8 UNITS (EACH SPECIMEN TREE UNIT MUST BE REPLACED BY 2 TIMES THE AMOUNT)
 58.8 UNITS ARE TO BE PLANTED ON THE SITE FOR SPECIMEN TREE RECOMPENSE.

TREE SURVEY AREA 1 (25'X25')			TREE SURVEY AREA 2 (25'X25')		
TREE	CAL.	UNITS	TREE	CAL.	UNITS
SWEETGUM	18"	5.7	SWEETGUM	10"	3.6
PINE	14"	4.8	PINE	12"	4.2
OAK	12"	4.2	OAK	8"	3.0
OAK	10"	3.6	TOTAL		10.8
TOTAL		18.3			

18.3 + 10.8 = 29.1 / 2 = 14.55 UNITS PER 625 S.F.
 TREE SAVE AREA = 25524 S.F.
 25524 / 625 = 40.84 X 14.55 = 594.22 UNITS

SPECIMEN TREES TO BE REMOVED FROM THE SITE

TREE	#OF TREE	UNITS
37" OAK	1	8.7
48" OAK	1	10.2
50" OAK	1	10.5
TOTAL		29.4

TREE PLANTING SCHEDULE

QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	UNIT VALUE	TOTAL VALUE
6	QUERCUS SPECIES	OAKS	8"	4.0	24.0
4	ACER RUBRUM	RED MAPLE	8"	4.0	24.0
4	ACER RUBRUM	RED MAPLE	4"	1.5	6.0
5	ACER RUBRUM	RED MAPLE	3"	1.0	5.0
TOTAL					59.0

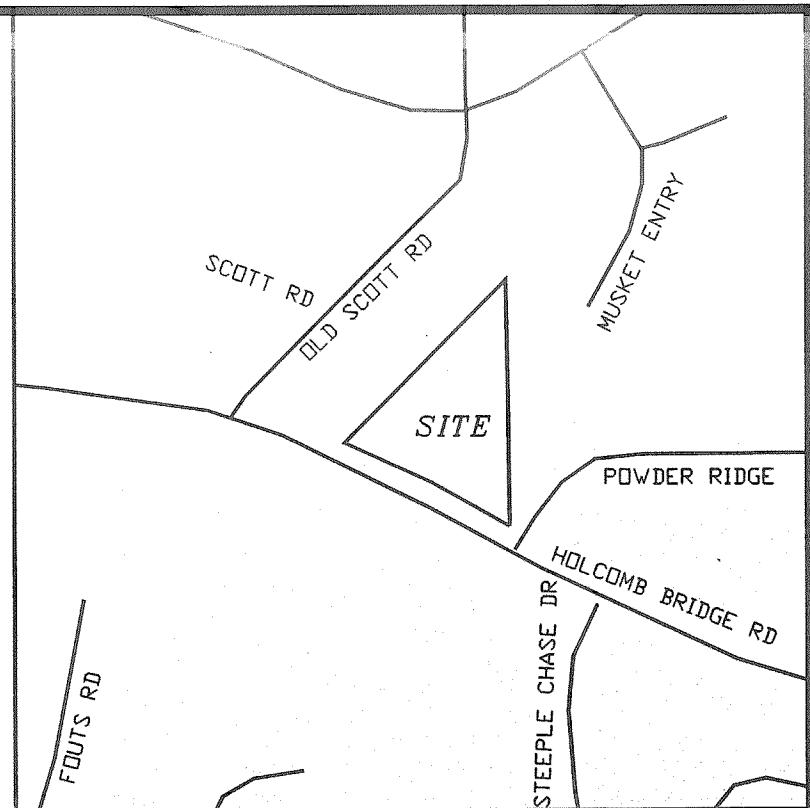
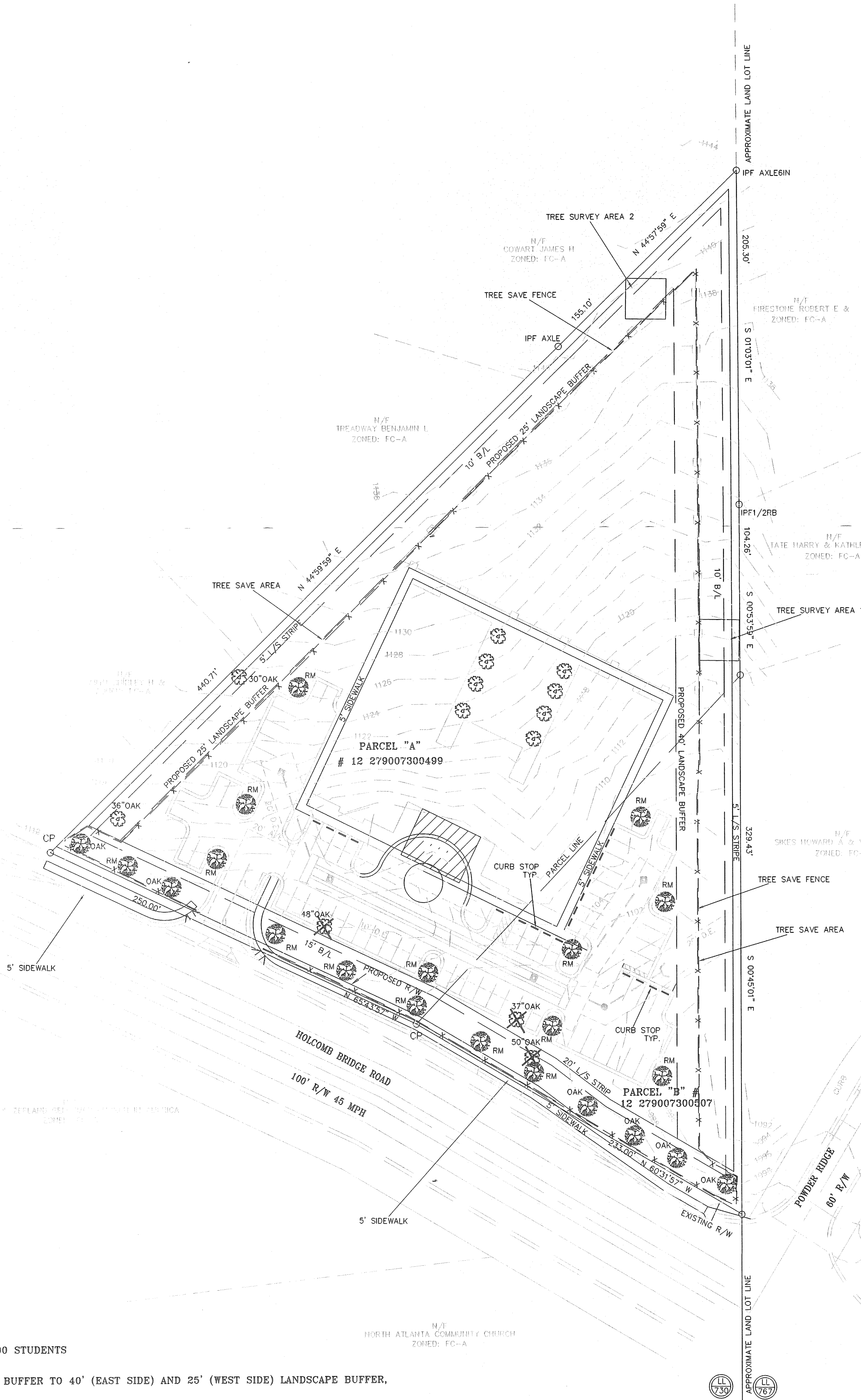
PROPERTY ADDRESS:
 2370 & 2380 HOLCOMB BRIDGE ROAD
 ROSWELL, GA 30022
 PARCEL# 12 279007300507 & 12 279007300499

GENERAL NOTES:
 1. TOTAL AREA = PARCEL "A"(2.319 AC.), PARCEL "B"(0.762 AC.)=3.081 AC.
 EXISTING ZONING = FCA A6-1
 PROPOSED ZONING = O-P (OFFICE PROFESSIONAL)

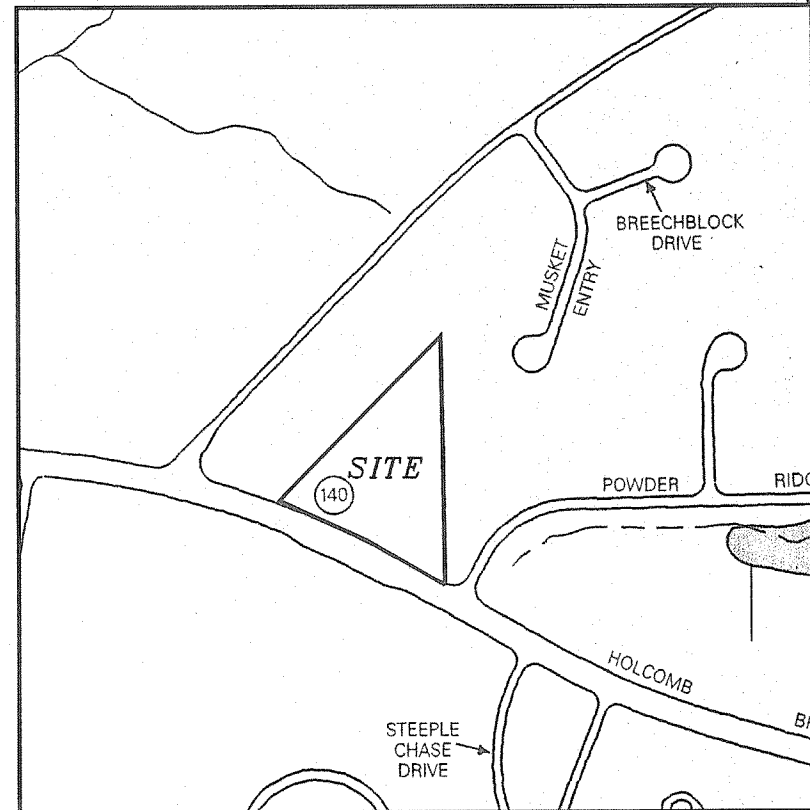
LEGEND

IPF = IRON PIN FOUND (x)
 PS = IRON PIN SET (o)
 CMF = CONCRETE MONUMENT FOUND (□)
 CMS = CONCRETE MONUMENT SET (□)
 R/W = RIGHT OF WAY
 STA = STATION NUMBER
 LLL = LAND LOT LINE
 CL = CENTERLINE
 P/L = PROPERTY LINE
 BM = BENCHMARK
 PT = POINT OF TANGENCY
 PC = POINT OF CURVATURE
 E = INVERT ELEVATION
 EL = ELEVATION (ELEV.)
 B/L = BUILDING LINE
 R' = RADIUS
 S/E = SUBGRADE ELEVATION
 S = FLOW
 O = PROPERTY CORNER
 F = FENCE
 P = POLE
 T = TELEPHONE LINE
 TV = TELEVISION LINE
 P = POWER LINE
 S = SANITARY SEWER LINE
 S/E = SANITARY SEWER EASEMENT
 MH = MANHOLE
 G = GAS LINE
 W = WATER LINE
 P = PLUGGED STUB
 G = GATE VALVE
 F.H. = EXIST. FIRE HYDRANT (x)
 F.H. = PROP. FIRE HYDRANT (x)
 W.M. = WATER METER (9)
 S.T. = STORM SEWER LINE
 Y = YARD INLET
 DI = DRAIN INLET
 CB = CATCH BASIN
 HW = HEAD WALL (—)
 JB = JUNCTION BOX
 DE = DRAINAGE EASEMENT
 FM = SEWER FORCE MAIN
 DS = DOWNSPOUT
 CO = CLEAN OUT
 CMF = CORRUGATED METAL PIPE
 RCP = REINFORCED CONCRETE PIPE
 VCP = VITRIFIED CLAY PIPE
 DIP = DUCTILE IRON PIPE
 PVP = POLYVINYL CHLORIDE PIPE
 C & G = CURBS AND GUTTERS
 F.I.R.M. = FEDERAL INSURANCE RATE MAP
 T.P.O.B. = TRUE POINT OF BEGINNING
 P.O.B. = POINT OF BEGINNING
 Q.M.D. = GA. MULTI-DISTRICT
 L.P. = LIGHT POLE (x)
 PL = PLANTED TREE
 MT = MARKED TREE

PROPOSED:
 CONDITIONAL USE:
 SPECIAL SCHOOL FOR UP TO 200 STUDENTS
 CONCURRENT VARIANCE:
 REDUCE MINIMUM 40' NATURAL BUFFER TO 40' (EAST SIDE) AND 25' (WEST SIDE) LANDSCAPE BUFFER,



LOCATION MAP
 SCALE: 1"=500'

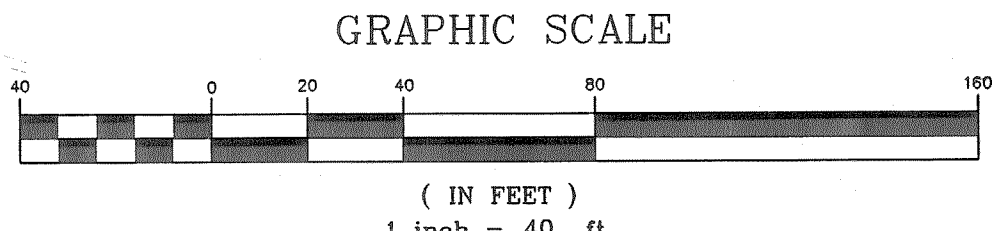


FIRM PANEL
 1"=500' PANEL 68 OF 490
 MAP NUMBER 13121C00688
 MAP DATED: JUNE 22, 1998

OWNER/DEVELOPER:
 ROBERT DONNER
 1000 HOLCOMB WOODS PARKWAY
 SUITE 414
 ROSWELL, GEORGIA 30076
 (770) 605-2037

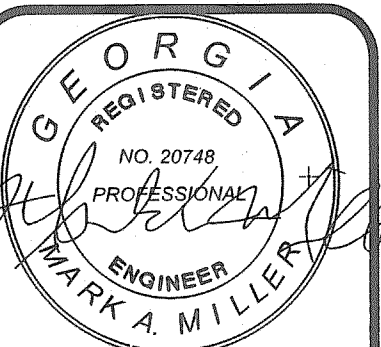
ENGINEER:
 ACR ENGINEERING, INC.
 600 PINNACLE ROAD, SUITE 685
 NORCROSS, GEORGIA 30071
 (678) 291-0000
 CONTACT: ABBAS HEIDARI

EXISTING SPECIMEN TREE
 TO BE REMOVED



ACR Engineering, inc.
 ATLANTA COMMERCIAL & RESIDENTIAL ENGINEERING
 SUITE 685
 600 PINNACLE ROAD
 NORCROSS, GA 30071
 TEL: (678) 291-0000
 FAX: (678) 291-6887

TREE SURVEY AND REPLACEMENT PLAN
 FOR
 REGINA CAELI ACADEMY
 (SPECIAL SCHOOL)
 CITY OF ROSWELL
 FULTON COUNTY, GEORGIA



No.	Revision/Issue	By	Date
1	REVISED SITE PLAN	IP	3/11/13

LAND LOTS:	730
DISTRICT:	2ND
SECTION:	1ST
CITY:	ROSWELL
COUNTY:	FULTON
STATE:	GEORGIA
DESIGNED:	IP
DRAWN:	IP

DRAWING:	13004E.DWG	Sheet	1
SUBJECT:	TREE		
DATE:	FEBRUARY 4, 2013	Of	1
SCALE:	1"=40'		
H:	N/A		
V:	N/A		