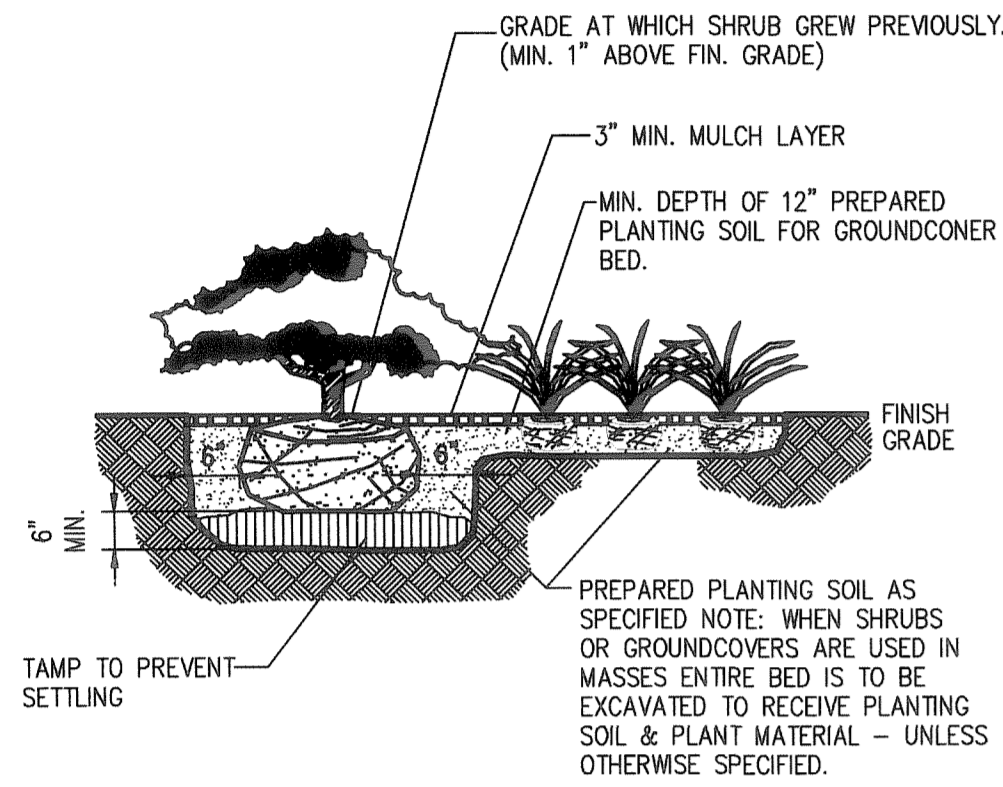
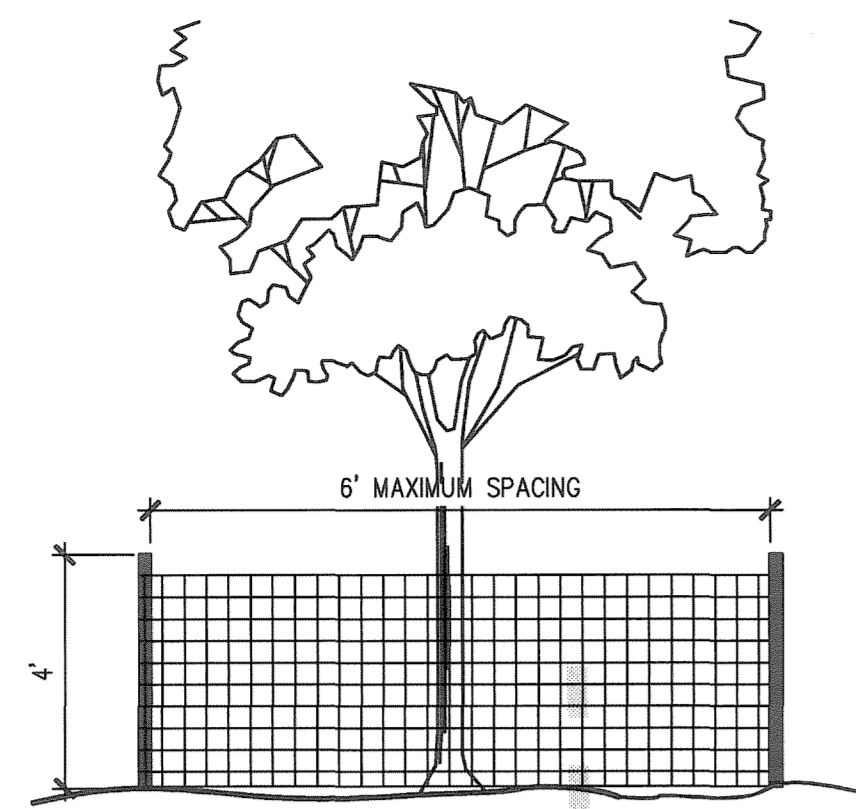


1 TREE PLANTING DETAIL NTS



2 SHRUB AND GROUND COVER PLANTING DETAIL NTS



TREE PROTECTION NOTES

1. DURING CONSTRUCTION, PROTECTIVE BARRIERS SHALL BE PLACED BY SITE CONTRACTOR TO PREVENT DESTRUCTION OF TREES WHICH ARE DESIGNATED TO REMAIN. PROTECTIVE BARRIERS SHALL BE ERECTED PRIOR TO CONSTRUCTION OF ANY KIND ON THE SITE.
2. BARRIERS SHALL CONSIST OF PROTECTIVE WOODEN POSTS TWO (2) INCHES BY FOUR (4) INCHES OR LARGER PLANTED IN SUFFICIENT DEPTH TO BE STABLE WITH AT LEAST FOUR (4) FEET OF POST VISIBLE ABOVE THE GROUND. POSTS SHALL BE PLACED NO CLOSER THAN SIX (6) FEET TO THE TRUNK UNLESS PROPOSED PAVING CONSTRUCTION WILL NOT PERMIT. POSTS SHALL BE NO FURTHER THAN SIX (6) FEET APART. REFER TO TREE PROTECTION DETAIL. EACH SECTION SHALL BE LINKED TOGETHER WITH ORANGE POLYPROPYLENE NET FENCE MATERIAL.
3. PROPOSED GRADES AROUND TREES TO REMAIN SHALL BE MAINTAINED TO WITHIN FOUR (4) INCHES OF THE EXISTING GRADE.
4. THE CONTRACTOR SHALL FOLLOW TREE REMOVAL, TREE PROTECTION AND GENERAL PLANTING ROOTS, AS DEFINED BY CITY OF ROSWELL.
5. PROTECTIVE BARRIERS SHALL REMAIN IN PLACE AND INTACT UNTIL SUCH TIME AS CONSTRUCTION IS COMPLETE AND ALL EQUIPMENT IS REMOVED FROM SITE.
6. NO BUILDING MATERIALS SUCH AS MACHINERY OR TEMPORARY SOIL DEPOSITS SHALL BE PLACED WITHIN THE PROTECTIVE BARRIER ZONES.
7. BARRIERS SHALL BE PLACED 6' FROM THE TREE CANOPY DRIPLINE.
8. CITY OF ROSWELL NOTES TAKE PRECEDENCE OVER THESE NOTES WHERE CONFLICTS EXIST.

LANDSCAPE CALCULATIONS

TREE DENSITY REQUIREMENTS
SITE AREA: 52,252 SF (1.20 ACRES)
GREEN AREA: 22,367 SF (42.8%)
BUILDING AREA: 4,192 SF (8.0%)
PAVEMENT AREA: 25,673 SF (49.2%)
IMPERVIOUS COVER: 29,865 SF (57.2%)

TREE DENSITY REQUIRED:
SITE DENSITY FACTOR (SDF) = 30 UNITS/AC
36.0 UNITS

DISTURBED AREA: 1.20 ACRES

SITE TREE REPLACEMENT DATA
SITE DENSITY FACTOR (SDF) 36.0 UNITS
EXISTING DENSITY FACTOR (EDF) 3.0 UNITS
EXISTING SPECIMEN TREES SAVED N/A
REPLACEMENT DENSITY FACTOR (RDF) 37.1 UNITS
SURPLUS 1.1 UNITS

FRONTAGE LANDSCAPE BUFFER - CRABAPPLE ROAD
FRONTAGE LENGTH 341.48 LF
TREES REQUIRED (1 TREE/35 LF) 9.76 TREES
TREES PROVIDED: 10 TREES
SHRUBS REQUIRED (10/35 LF): 97.65
SHRUBS PROVIDED: 174 SHRUBS

FRONTAGE LANDSCAPE BUFFER - RUCKER ROAD
FRONTAGE LENGTH 234.13 LF
TREES REQUIRED (1 TREE/35 LF) 6.69 TREES
TREES PROVIDED: 7 TREES
SHRUBS REQUIRED (10/35 LF): 66.9 SHRUBS
SHRUBS PROVIDED: 135 SHRUBS

TREES LOCATED WITHIN LANDSCAPE STRIP CAN COUNT TOWARD OVERALL TREE DENSITY FOR SITE.
THERE ARE NO SPECIMEN TREES LOCATED ON SITE.

CITY OF ROSWELL NOTES

1. THE ARBORIST SHALL MAKE UNSCHEDULED INSPECTIONS BEFORE AND DURING DEVELOPMENT TO ENSURE PROTECTION OF TREES, CRITICAL ROOT ZONES AND BUFFER ZONES.
2. NO PERSON IN THE CONSTRUCTION OF ANY STRUCTURE(S) OR IMPROVEMENT(S) OR ANY ACTIVITY SHALL ENCRUST OR PLACE SOLVENTS, MATERIALS, CONSTRUCTION MACHINERY OR TEMPORARY SOIL DEPOSITS WITHIN SIX (6) FEET OF THE AREA OUTSIDE THE DRIPLINE, AS DEFINED HEREIN, OF ANY SPECIMEN TREE OR ANY TREE WITH A TREE PROTECTION.
3. BEFORE DEVELOPMENT, LAND CLEARING, FILLING OR ANY LAND ALTERATION, THE DEVELOPER SHALL BE REQUIRED TO ERECT SUITABLE PROTECTIVE BARRIERS AS REQUIRED BY THE ARBORIST, INCLUDING TREE FENCES, TREE PROTECTION SIGNS, AND GROSS BARRIERS UNTIL COMPLETION OF SITE LANDSCAPING. AUTHORIZATION TO REMOVE THE PROTECTIVE DEVICES SHALL BE IN WRITING BY THE ARBORIST OR BY THE ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY INSPECTION OF TREE PROTECTION BARRIERS AS REQUIRED PRIOR TO ANY LAND DISTURBANCE OR DEVELOPMENT. THE ARBORIST SHALL BE CONTACTED TO SCHEDULE AN INSPECTION TIME.
4. MATERIALS FOR ACTIVE TREE PROTECTION SHALL CONSIST OF CHAIN LINK, ORANGE LAMINATED PLASTIC, WOODEN POST AND CHAIN FENCING OR OTHER EQUIVALENT RESTRAINING MATERIAL. IN ADDITION TO FENCING, WHERE ACTIVE TREE PROTECTION IS REQUIRED, EACH TREE TO BE SAVED SHALL BE MARKED AT THE BASE OF THE TRUNK WITH BLUE COLORED WATER-BASED PAINT. MATERIALS FOR ACTIVE TREE PROTECTION SHALL CONSIST OF HEAVY MIL. PLASTIC FLAGGING A MINIMUM OF 4" (FOUR INCHES) WIDE WITH DARK LETTERS READING, TREE PROTECTION AREA, DO NOT ENTER, OR EQUIVALENT SIGNAGE ON A CONTINUOUS, DURABLE RESTRAINT. ALL TREE PROTECTION DEVICES MUST REMAIN IN FUNCTIONAL CONDITION UNTIL THE COMPLETION OF THE PROJECT OR UNTIL THE CERTIFICATE OF OCCUPANCY IS ISSUED. ANY TREE DESIGNATED IN THE PLAN TO BE SAVED, WHICH IS DAMAGED DURING CONSTRUCTION OR AS A RESULT OF CONSTRUCTION, AS DETERMINED BY THE ARBORIST, SHALL BE TREATED ACCORDING TO ACCEPTED NATIONAL ARBORISTS ASSOCIATION STANDARDS, OR REPLACED WITH A TREE OR TREES EQUAL TO THE UNIT VALUE AS DESCRIBED IN SECTION 1-8 OF THE CODE OF THE CITY OF ROSWELL, AND IN ADDITION THERE TO MAY BE ENJOINED FROM CONTINUING THE VIOLATION. EACH TREE CUT, DAMAGED OR POISONED SHALL CONSTITUTE A SEPARATE OFFENSE.

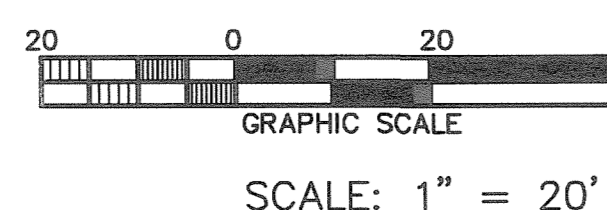
LANDSCAPE NOTES

1. ALL PLANT MATERIAL SHALL BE GRADE NO. 1 OR BETTER AS OUTLINED IN THE AMERICAN STANDARD FOR NURSERY STOCK AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, LATEST EDITION.
2. CONTRACTOR, IN PREPARING BIDS, SHALL VERIFY THE AVAILABILITY OF ALL PLANT MATERIAL SHOWN ON THESE PLANS. IF CERTAIN PLANT MATERIAL IS NOT AVAILABLE AT THAT TIME, THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT, RICK ABT OF PROJECT MANAGEMENT & DESIGN SERVICES, LLC AT (404) 378-1389, TO DISCUSS EQUIVALENT SUBSTITUTIONS.
3. IN THE EVENT OF DISCREPANCY BETWEEN THE PLANT LIST AND ACTUAL NUMBER OF PLANTS SHOWN ON THE PLAN, THE PLAN SHALL CONTROL. THE LANDSCAPE CONTRACTOR SHALL NOTIFY PROJECT MANAGEMENT & DESIGN SERVICES, LLC OF ANY DISCREPANCIES PRIOR TO ISSUANCE OF BIDS.
4. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OCCURRING ON SITE OR ADJACENT AREAS, INCLUDING BUT NOT LIMITED TO BUILDINGS, PAVING, UTILITIES, ETC., WHICH IS CAUSED BY PREPARING OR INSTALLING ANY AND ALL PLANT MATERIAL.
5. ALL DISTURBED AREAS ON SITE SHALL BE FULLY SOODED ASIDE FROM DEFINED PLANTING BEDS. SOD SHALL BE FREE OF WEEDS AND NOXIOUS PESTS OR DISEASES.
6. GRADE, DRESS, AND SOD DISTURBED AREAS AS SOON AS POSSIBLE TO PREVENT EROSION.
7. ALL PLANTING BEDS AND TREE SAUCERS SHALL HAVE ORGANIC MULCH TO A DEPTH OF 4" MINIMUM.
8. CALIPER OF TREES SHALL BE MEASURED AT 12" ABOVE GRADE UNLESS STATED OTHERWISE IN PLANT LIST ON SHEET L1. ALL TREES SHALL BE INSTALLED IN AN UPRIGHT POSITION. CALIPER OF TREES SHALL TAKE PRECEDENCE OVER HEIGHT OR SPREAD.
9. PLANT MIX OF 8" SHALL BE FILLED INTO EXISTING SOIL TO A DEPTH OF 24". REFER TO SHRUB AND TREE PLANTING DETAIL FOR EXTENT OF PLANT MIX TO BE PROVIDED. PLANT MIX SHALL CONSIST OF 1/3 PEAT MOSS AND 2/3 EXISTING SOIL.
10. ALL PLANT MATERIALS SHALL RECEIVE A SLOW RELEASE FERTILIZER IN QUANTITIES AS DIRECTED BY THE MANUFACTURER.
11. ALL PLANT MATERIAL SHALL BE SET BACK 2 FEET, AND TREES 3 FEET, FROM THE BACK OF CURBS OR EDGE OF PAVEMENT.
12. PIN ALL SOD ON 3:1 OR GREATER SLOPES.
13. LANDSCAPING SHOWN ON THIS PLAN SHALL BE MAINTAINED IN COMPLIANCE WITH LOCAL LANDSCAPING ORDINANCE.
14. A TWELVE-MONTH WARRANTY SHALL BE PROVIDED FOR ALL NEW PLANT MATERIAL, STARTING FROM DATE OF FINAL ACCEPTANCE BY OWNER. WITHIN THIRTY DAYS OF NOTIFICATION, DEAD OR UNHEALTHY MATERIALS SHALL BE REPLACED, IN CONFORMANCE WITH THE APPROVED LANDSCAPE PLAN, BY THE LANDSCAPE CONTRACTOR.
15. TRIM ALL EXISTING LANDSCAPE MATERIALS AND PROVIDE NEW MULCH IN ALL LANDSCAPE AREAS.

PLANT LIST

TREES						
SYMBOL	BOTANICAL NAME (COMMON NAME)	MINIMUM SIZE / SPACING	QUANTITY	UNIT VALUE	TOTAL VALUE	%AGE
AB	ACER BUERGERIANUM (TRIDENT MAPLE)	5" CAL. B+B 6'-8" SPREAD	3	1.5	4.5	10.3%
IF	ILEX Y 'FOSTER' (FOSTER HOLLY)	5'-6" HT. B+B 2'-3" SPREAD	1	.5	0.5	3.5%
QM	QUERCUS MYRSINIFOLIA (CHINESE EVERGREEN OAK)	5" CAL. B+B 14'-16" HT.	5	1.5	7.5	17.2%
PO	PRUNUS 'OKAME' (OKAME CHERRY)	4" CAL. B+B 8'-10" HT.5" SPREAD	1	0.9	0.9	3.5%
MG	MAGNOLIA GRANDIFLORA LITTLE GEM	5" CAL. B+B 10'-12" HT.6" SPREAD	8	1.5	12.0	27.6%
LI	LAGERSTROEMIA INDICA ACOMA	4" HT. B+B SPECIMEN	3	0.9	2.7	10.3%
CM	LAGERSTROEMIA INDICA (GRAPE MYRTLE)	5" SINGLE TRUNK TREE FORM	2	1.5	3.0	6.9%
UP	ULMUS PARVIFLORA 'ALLEE' (ALLEE ELM)	5" CAL. B+B 14'-16" HT.	4	1.5	6	13.7%
	ZELKOVA' (RELOCATED)	4" CAL	1	1.5	1.5	3.5%
	ZELKOVA (EXIST. TO REMAIN)	4" CAL	1	1.5	1.5	3.5%
TOTAL			29		37.1	100
SHRUBS & GROUND COVERS						
HE	HEMEROCALLIS SP. (DAYLILY)		1 GAL, 15" O.C.		835	
LM	LIRIOPE MUSCARI (BIG BLUE LIRIOPE)		1 GAL, 15" O.C.		538	
LC	LOROPETALUM CHINENSE 'RUBY' (RUBY LOROPETALUM)	3 GAL, 3" O.C.			51	
IC	ILEX CORNUTA 'CARISSA' (CARISSA HOLLY)	3 GAL, 3" O.C.			228	
RH	ILEX CRENATA (ROUNDLEAF JAP. HOLLY)	5 GAL, 24"-30" HT. 3" O.C.			28	
JD	JUNIPERUS DAURICA 'PARSONI' (PARSONS JUNIPER)	3 GAL, 18" O.C.			356	
PT	PITTIOSPORUM TOBIRA (VAR. PITTIOSPORUM)	3 GAL, 30" O.C.			261	
MS	MISCANTHUS SINENSIS 'ADIAGO' (ADIAGO GRASS)	3 GAL, 3" O.C.			21	
AS	ASTER NOV BELG 'PROF. KIPPENBERG' (DWARF ASTER)	3 GAL, 18" O.C.			469	
SOD	BERMUDA	QUANTITY TO BE CALCULATED BY THE CONTRACTOR.				

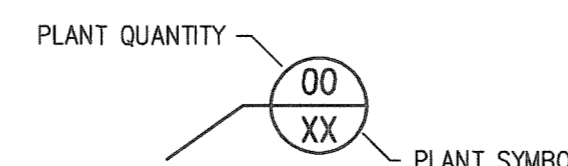
TREE REPLACEMENT(LANDSCAPE) PLAN



OWNER:
JP MORGAN CHASE

24 HOUR EMERGENCY CONTACT:
STEVE FISCHER
(770) 910-5495

NOTE:
WHERE GALLON REFERENCES MAY CONFLICT WITH HEIGHT/SPREAD AND CALIPER MEASUREMENTS, THE HEIGHT/SPREAD AND CALIPER MEASUREMENTS SHALL GOVERN.



OWNER:
JP MORGAN CHASE

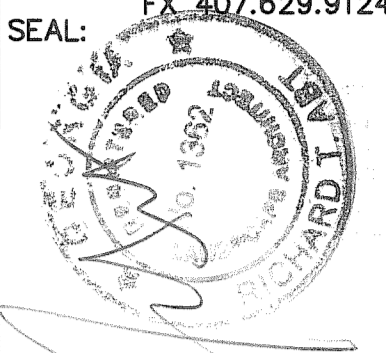
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INTERPLAN

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT
MANAGEMENT

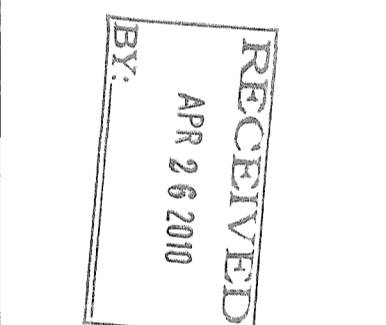
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CONSULTANT:
**PROJECT
MANAGEMENT
& DESIGN SERVICES**
Rick Abt
252 Kings Hwy.
Decatur, GA 30030
404.378.1389

REVISIONS:
NO. DATE REMARKS
1 3/22/10 CITY COMMENTS
2 4/14/10 ISSUED FOR BID
3 4/22/10 DRB COMMENTS



CHASE

CHASE BANK

CHASE ID# 13065
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ROSWELL, GA

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