

N/F
 OREF TECK PARK, LL
 DB 19780 / PG 224
 ZONED: M-1

(#3) 30" SPECIMEN POPLAR
 (45' CRZ)
 (#2) 28" SPECIMEN POPLAR
 (42' CRZ)
 CRITICAL ROOT ZONE
 (AKA "CRZ")

± 2,760 SF
 LOWLANDS FOREST
 (TO REMAIN)
 N/F
 PEACHTREE PARKWAY
 HOLDINGS, LLC
 DB 54290 / PG 852
 ZONED: M-1

(#1) 35" SPECIMEN POPLAR
 (52' CRZ)
 (OFFSITE)

± 2,450 SF
 LOWLANDS FOREST
 (TO REMAIN)

(#6) 35" SWEETGUM
 (NOT A SPECIMEN)

(#8) 36" POPLAR
 (NOT A SPECIMEN)

(#9) 28" POPLAR
 (OFFSITE, LOCATED IN GDOT ROW. SEE
 SHEET L-3.1 AND L-3.2 FOR GDOT
 RECOMPENSE INFORMATION)

LOWLANDS TREE
 SAMPLE AREA
 MIX OF PINE/HARDWOOD
 SUCCESSIONAL NATIVE FOREST
 (2,500 SF)

UPLANDS TREE
 SAMPLE AREA
 MIX OF PINE/HARDWOOD
 SUCCESSIONAL NATIVE
 FOREST
 (2,500 SF)

17' TREE TO FENCE
 APPROXIMATELY 1/2 OF CRZ IS PROPOSED FOR
 REMOVAL. CONTRACTOR SHALL FOLLOW REQUIRED
 TREE SAVE GUIDELINES PER THE TREE
 PROTECTION FENCE DETAIL, SHEET L-1.2,
 EXISTING OFF-SITE SPECIMEN TREE TO REMAIN

CONTRACTOR SHALL FOLLOW REQUIRED
 TREE SAVE GUIDELINES PER THE TREE
 PROTECTION FENCE DETAIL, SHEET L-1.2,
 EXISTING OFF-SITE SPECIMEN TREE TO
 REMAIN

- 29 EXISTING TREES ALONG TECHNOLOGY PARKWAY (9 TO BE REMOVED DUE TO
 CONSTRUCTION)
- | | |
|------------------|---------------------------|
| 1. 10" RED OAK | 21. 13" SWEET GUM(DEMO'D) |
| 2. 10" RED OAK | 22. 10" POPLAR(DEMO'D) |
| 3. 13" HICKORY | 23. 7" SWEET GUM (DEMO'D) |
| 4. 15" WHITE OAK | 24. 8" POPLAR |
| 5. 13" RED OAK | 25. 6" SWEET GUM |
| 6. 14" RED OAK | 26. 12" SWEET GUM |
| 7. 6" BEECH | 27. 6" POPLAR |
| 8. 6" BEECH | 28. 15" POPLAR |
| 9. 15" ASH | 29. 18" POPLAR |
| 10. 6" BEECH | 20. 9" SWEET GUM(DEMO'D) |

SPECIMEN TREE DATA
 NON-BUFFER SPECIMEN TREES:
 #5 - 32" POPLAR (22.4 RECOMPENSE UNITS
 REQUIRED)

BUFFER SPECIMEN TREES:
 #2 - 28" POPLAR (TO REMAIN)
 #3 - 30" POPLAR (TO REMAIN)
 #7 - 28" POPLAR (TO REMAIN)

OFF-SITE SPECIMEN TREES:
 #1 - 35" POPLAR (TO REMAIN)
 #9 - 28" POPLAR (TO BE REMOVED, LOCATED IN
 R.O.W., GDOT RECOMPENSE REQUIRED.
 SEE SHEET L-3.1 AND L-3.2 FOR
 ADDITIONAL INFORMATION)
 #10 - 33" POPLAR (TO REMAIN)

NON-SPECIMEN
 #4 - 32" SWEETGUM (LINK ROAD)
 #6 - 35" SWEETGUM (WOOD LOT)
 #8 - 36" POPLAR (TRUCK ROT, AMB LOSS)

UPLANDS REPRESENTATIVE TREE SAMPLE AREA
 TOTAL AREA: 2,500 SF
 EXISTING TREES:
 3" (0.5 TDU) x 7 = 3.5 TDU
 4" (0.6 TDU) x 3 = 1.8 TDU
 5" (0.7 TDU) x 4 = 2.8 TDU
 6" (0.9 TDU) x 2 = 1.8 TDU
 7" (1.0 TDU) x 2 = 2.0 TDU
 8" (1.1 TDU) x 2 = 2.2 TDU
 10" (1.3 TDU) x 2 = 2.6 TDU

LOWLANDS REPRESENTATIVE TREE SAMPLE AREA
 TOTAL AREA: 2,500 SF
 EXISTING TREES:
 3" (0.5 TDU) x 5 = 1.5 TDU
 4" (0.6 TDU) x 6 = 3.6 TDU
 5" (0.7 TDU) x 3 = 2.1 TDU
 6" (0.9 TDU) x 3 = 2.7 TDU
 7" (1.0 TDU) x 2 = 2.0 TDU
 8" (1.1 TDU) x 2 = 2.2 TDU

TOTAL EXISTING TDU = 42.6 / UPLANDS SAMPLE AREA
 TOTAL EXISTING TDU = 15.9 / LOWLANDS SAMPLE AREA

TREE DENSITY PROVIDED BY EXISTING
 TREES TO REMAIN

UPLANDS TREE PROTECTION AREA:
 TOTAL AREA: 12,650 SF / 2,500 = 5.06 SAMPLE AREAS
 TDU PROVIDED: 215.6
 (BASED ON EXTRAPOLATION FROM SAMPLE AREA)

LOWLANDS TREE PROTECTION AREA:
 TOTAL AREA: 5,210 SF / 2,500 = 2.08 SAMPLE AREAS
 TDU PROVIDED: 74.8
 (BASED ON EXTRAPOLATION FROM SAMPLE AREA)

EXISTING SPECIMEN TREES TO REMAIN WHICH ARE NOT
 LOCATED IN ZONING BUFFERS:

28" POPLAR(#2) = 17.2 TDU
 28" POPLAR(#7) = 17.2 TDU
 30" POPLAR(#3) = 19.6 TDU
 TOTAL EXISTING TDU = 344.4 TDU

SPECIMEN TREES #1-6 AND 8-10 SURVEYED LOCATIONS PER TREE
 SURVEY PERFORMED BY PLANNERS AND ENGINEERS COLLABORATIVE FOR
 TPA GROUP DATED 05/02/16. SPECIMEN TREE #7 IDENTIFIED IN FIELD
 BY COLUMBIA ENGINEERING. ALL SPECIMEN TREES HAVE BEEN FIELD
 VERIFIED BY:
 ROGER G. GRANT,
 ISA CERTIFIED ARBORIST
 #50-6686A

PEACHTREE CORNERS NOTES:

- THE CRZ OF SPECIMEN TREES PLUS ALL STREAM AND ZONING BUFFERS SHALL BE PROTECTED WITH WIRE-BACK TREE SAVE FENCING WITH METAL SUPPORT POSTS AND TREE SAVE SIGNAGE PRIOR TO LAND DISTURBANCE. INSTALLATION OF THE TREE SAVE FENCE WILL INVOLVE NO TRENCHING.
- TREE SAVE FENCE FOR ENTIRE SITE MUST BE INSTALLED, INSPECTED AND APPROVED PRIOR TO INSTALLATION OF EROSION CONTROL MEASURES. NO LAND DISTURBANCE OR DEMOLITION IS ALLOWED BEFORE TREE SAVE FENCING HAS BEEN INSPECTED AND APPROVED BY CITY ARBORIST.
- PROVIDE TREE SAVE FENCE: WIRE-BACKED WITH METAL STAKES AND SIGNAGE AROUND CRZ OF SPECIMEN TREES AND ALONG ALL REQUIRED BUFFERS. CHAIN LINK FENCE MAY BE REQUIRED FOR EXTRA PROTECTION IN SOME AREAS.
- PROVIDE A 4" LAYER OF AGED HARDWOOD MULCH OVER THE CRZ OF SPECIMEN TREES. MULCH MUST BE APPLIED PRIOR TO START OF CONSTRUCTION. MULCH SHALL NOT BE PLACED DIRECTLY AGAINST TREE TRUNKS.

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NO.	DATE	REVISIONS & JURISDICTIONAL COMMENTS
1	02/28/18	JURISDICTIONAL COMMENTS
2	02/28/18	OWNER REVISIONS & JURISDICTIONAL COMMENTS
3	06/07/18	JURISDICTIONAL COMMENTS
4	06/07/18	OWNER REVISIONS & JURISDICTIONAL COMMENTS
5	09/07/2018	JURISDICTIONAL COMMENTS
6	10/02/18	JURISDICTIONAL COMMENTS

Columbia Engineering
 2100 BURNING WOOD HIGHWAY
 DUBLIN, GEORGIA 30096
 (770) 926-0587

GEORGIA
 REGISTERED PROFESSIONAL ENGINEER
 No. 16073
 R. GRANT
 01/15/18

THESE PLANS ARE
 SUBJECT TO FEDERAL
 COPYRIGHT LAWS. ANY
 USE OF SAME WITHOUT
 THE EXPRESS PERMISSION
 OF RACETRAC PETROLEUM
 CORPORATION IS
 PROHIBITED.

RACETRAC PETROLEUM, INC.
 3000 RACETRAC PARKWAY
 SUITE 100, ATLANTA, GA 30359
 (770) 491-7800

TREE LOCATION PLAN
 PEACHTREE CORNERS RACETRAC
 5700 PEACHTREE CORNERS PARKWAY
 PEACHTREE CORNERS, GEORGIA
 GWINNETT COUNTY
 DIST. 6, LL 284, PARCELS: 6-284-16, 18, 40-96

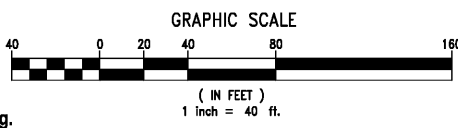
DRAWN BY	JPB
DATE	01/15/2018
SCALE	1"=40'
DRAWING NAME	4607.00
SHEET NO.	TP-1
VERSION	1

Order Plans

GA. HWY 141
 AKA PEACHTREE PARKWAY
 SPEED LIMIT 55 MPH
 (VARIABLE ROW)

TECHNOLOGY PARKWAY
 SPEED LIMIT 35 MPH
 (80' ROW)

811
 Know what's below.
 Call before you dig.



CONTRACTOR TO PROVIDE 3 SETS OF
 "AS-BUILT" PLANS TO OWNER.
 IF ANY CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE
 DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR THE FIELD CONDITIONS,
 THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY, AND SHALL NOT COMMENCE
 OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY
 CONDITIONS ARE RESOLVED.