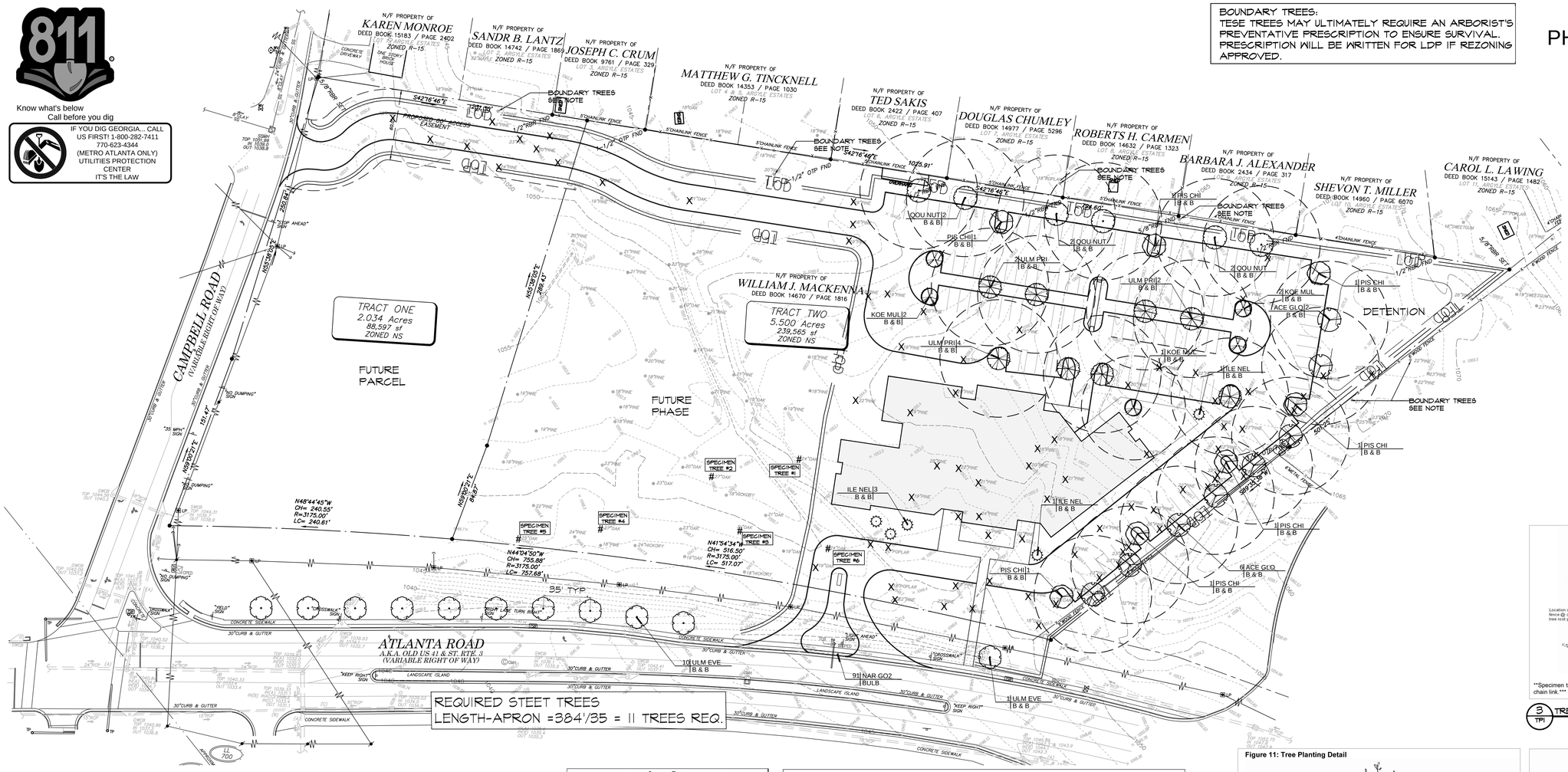


BOUNDARY TREES:
TESE TREES MAY ULTIMATELY REQUIRE AN ARBORIST'S PREVENTATIVE PRESCRIPTION TO ENSURE SURVIVAL. PRESCRIPTION WILL BE WRITTEN FOR LDP IF REZONING APPROVED.

24 HR CONTACT
Mark Freeman
PHONE: 770-850-8494

Know what's below
Call before you dig

IF YOU DIG GEORGIA... CALL US FIRST! 1-800-282-7411
770-623-4344
(METRO ATLANTA ONLY)
UTILITIES PROTECTION CENTER
IT'S THE LAW

TREE LEGEND	
SYMBOL	ACTION
#	PRESCRIPTIVE MEASURES REQUIRED
X	TREE REMOVAL REQUIRED

PLANT SCHEDULE TPP-COVENANT

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	CAL
	ACE GLO	8	ACER RUBRUM `OCTOBER GLORY` TM	OCTOBER GLORY MAPLE	B & B	14` HT	4" CAL
	ILE NEL	5	ILEX X `NELLIE R STEVENS`	NELLIE STEVENS HOLLY	B & B	10`-12` HT	2" CAL
	KOE MUL	5	KOELREUTERIA BIPINNATA	CHINESE FLAME TREE MULTI-TRUNK	B & B		3" CAL
	PIS CHI	7	PISTACIA CHINENSIS	CHINESE PISTACHE	B & B	14` HT	4" CAL
	QOU NUT	6	QUERCUS NUTTALLII	NUTTALL OAK	B & B	14` HT	4" CAL
	ULM PRI	8	ULMUS AMERICANA `PRINCETON`	AMERICAN ELM	B & B	14` HT	4" CAL
	ULM EVE	11	ULMUS PARVIFOLIA `EVERCLEAR` `	EVERCLEAR LACEBARK ELM	B & B	16` HT	4" CAL

Calculation Replacement Density Factor						
Number	*%*	*Botanical Name*	*Common Name*	*Size (in)*	*Total Inches*	*Spacing*
Required Recompense for Specimen Tree Removal						
6	12%	QUERCUS NUTALLII	NUTALL OAK	4	24	40'
6	**12%**			**Total RDF**	**24**	
Site Trees						
8	17%	ACER RUBRUM 'OCTOBER GLORY' TM	OCTOBERY GLORY MAPLE	4	32	40'
5	10%	ILEX X 'NELLIE R STEVENS'	NELLIE STEVENS HOLLY	2	10	15'
5	10%	KOELREUTERIA BIPINNATA	CHINESES FLAME TREE	3	21	20'
7	14%	PISTACHIA CHINENSIS	CHINESE PISTACHE	4	28	30'
11	23%	ULMUS PARVIFOLIA 'EVERCLEAR'	EVERCLEAR LACEBARK ELM	4	44	40'
7	14%	ULMUS AMERICAN 'PRINCETON'	PRINCETON ELM	4	28	40'
Note: Replanting shall be at the ratio of not less than 1 overstory tree of every 3 understory trees.						

EXISTING DENSITY FACTOR	
SITE DATA:	
Site Area (Acres)	5.5
Required Inches per Acre	100
Site Density Factor (Inches)	550
Existing Density Factor (Inches)	1128
Replacement Density Factor (Inches)	**MET**
EDF > SDF; Therefore, the SDF has been met.	

SPECIMEN TREES TO BE REMOVED		
Specimen Tree #	*Common Name*	*DBH (in)*
6	OAK	24
	Specimen Trees Removed (inches)	24
	Max. Specimen Recompense Required (inches)	**24**
	# of 4" Cal. Trees Required for Recompense	6

Preserved Specimen Trees			
Specimen Tree #	*Common Name*	*DBH (in)*	***With** Triple Credit*
1*	Oak	24	24
2	Oak	27	81
3	Oak	31	93
4	Oak	27	81
5	Oak	25	75
Total Inches On-Site		134	**354**
Note: A density credit of 3 times the DBH is granted for the on-site preservation of specimen trees.			

* TREE DOES NOT QUALIFY FOR TRIPLE CREDIT DUE TO DISTURBANCE

Canopy Trees		
Canopy Tree #	Common Name	DBH (in)
1	Pine	19
2	Pine	20
3	Pine	21
4	Pine	21
5	Pine	21
6	Pine	23
7	Pine	28
8	Pine	22
9	Oak	21
10	Oak	20
11	Pine	21
12	Pine	18
13	Pine	22
14	Pine	18
15	Pine	19
16	Oak	24
17	Oak	19
18	Pine	21
19	Pine	21
20	Oak	19
21	Pine	20
22	Pine	18
23	Pine	18
24	Pine	18
25	Pine	18
26	Pine	19
27	Pine	19
28	Pine	19
29	Pine	23
30	Oak	20
31	Oak	23
32	Oak	27
33	Hickory	18
34	Oak	21
35	Oak	31
36	Oak	22
37	Oak	19
38	Hickory	18
39	Oak	19
40	Oak	23
41	Hickory	24
31	Oak	27
33	Pine	18
34	Pine	24
35	Pine	22
36	Oak	25
Total Inches On-Site		**971**

CONTACT THE COMMUNITY DEVELOPMENT DEPARTMENT (770-319-5387) TO ARRANGE A PRECONSTRUCTION CONFERENCE PRIOR TO ANY LAND DISTURBANCE. NO PERMIT SHALL BE ISSUED UNTIL PLANS ARE APPROVED AND AN ON-SITE INSPECTION WITH CITY REPRESENTATIVES OCCURS.

CITY OF SMYRNA LANDSCAPE NOTES:

1. THE COMMUNITY DEVELOPMENT DIRECTOR MUST INSPECT THE SITE BEFORE INSTALLATION OF EROSION CONTROL MEASURES. LAND DISTURBANCE WITHOUT A SITE INSPECTION & APPROVAL BY THE COMMUNITY DIRECTOR WILL RESULT IN A "STOP-WORK ORDER" & FINES.
2. IF TREE SURVEY INACCURACIES ARE FOUND ON-SITE, A STOP-WORK ORDER WILL BE ISSUED UNTIL REVISED PLANS ARE APPROVED & PROCESSED BASED ON ACCURATE INFORMATION.
3. THE COMMUNITY DEVELOPMENT DIRECTOR MUST INSPECT & APPROVE THE SITE BEFORE THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
4. TREES AGREED UPON TO BE SAVED IS THE RESPONSIBILITY OF THE OWNER.
5. A 3-4" LAYER OF MULCH WILL BE REQUIRED FOR THE CRZ OF SPECIMEN TREES. MULCH MUST BE APPLIED PRIOR TO START OF CONSTRUCTION. KEEP MULCH AT LEAST 5" FROM THE TRUNK OF THE TREE.
6. A MINIMUM 3-4" LAYER OF MULCH WILL BE REQUIRED FOR ALL EXISTING, NON SPECIMEN, LANDSCAPE TREES, INCLUDING STREET TREES AND PARKING LOT TREES. MULCH MUST BE APPLIED PRIOR TO START OF CONSTRUCTION. MULCH SHALL NOT BE PLACED DIRECTLY AGAINST TREE TRUNKS.
7. ALL NEWLY PLANTED TREES SHALL HAVE VISIBLE ROOT FLARES AT FINISHED GRADE. NO CIRCLING ROOTS SHALL BE ALLOWED ON PLANTED TREES. THE UPPER 2/3 OF THE WIRE BASKET, ALL BURLAP, & STRAPPING SHALL BE CUT & REMOVED PRIOR TO BACKFILL.
8. TREES LESS THAN THE CALIPER INCH SHOWN WILL NOT BE ACCEPTED. (I.E.: 4 INCH CALIPER TREES MUST BE 4 INCHES OR LARGER)
9. PLANT HEIGHT MEASUREMENT IS TAKEN AT THE TOP OF THE MAIN BODY OF THE PLANT AND NOT AT THE TIP OF THE TOPMOST GROWTH.
10. ALL NEWLY PLANTED TREES SHALL BE EQUIVALENT IN QUALITY TO A FLORIDA #1 GRADE OR BETTER. ALL TREES OF LESSER QUALITY SHALL BE REJECTED BY THE COMMUNITY DEVELOPMENT DIRECTOR.
11. WATERING BAGS OR A DRIP IRRIGATION SYSTEM WILL BE PROVIDED FOR ALL TREES PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY. DURING FIRST YEAR BAGS WILL BE REFILLED WEEKLY BY OWNER AND REFILLED DURING DROUGHTS FOR A MINIMUM OF 2 YEARS AFTER INSTALLATION.
12. NO TRENCHING ALLOWED IN TREE SAVE AREAS-INCLUDING IRRIGATION.
13. ALL TREE GUYS AND STAKES SHALL BE REMOVED FROM TREE ONE YEAR AFTER PLANTING OR BEFORE.

NOTES:

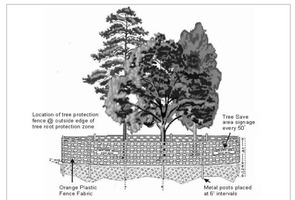
THE COMMUNITY DEVELOPMENT DIRECTOR MUST INSPECT AND APPROVE THE SITE BEFORE THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

TREE SPECIES SPECIFIED ON THIS PLAN ARE SUBJECT TO AVAILABILITY.

BUFFERS SHALL BE REPLANTED SUBJECT TO COMMUNITY DEVELOPMENT DEPARTMENT APPROVAL.

NO TREES SHALL BE PLANTED ON ANY AREA OF AN EARTHEN DAM OR EMBANKMENT.

ALL TREES MUST BE PLANTED AT LEAST 10 FEET FROM ANY UTILITY LINE.



Specimen tree protection requires orange polyethylene fence be replaced with chain link.*

3 TPI TREE PROTECTION FENCING
SCALE: NTS

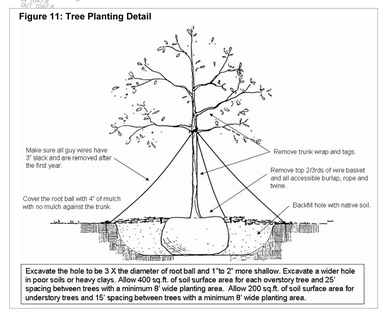
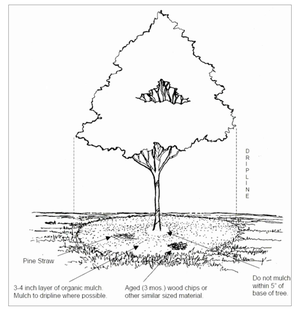
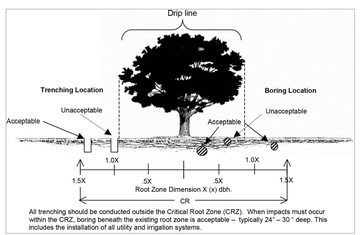


Figure 11: Tree Planting Detail

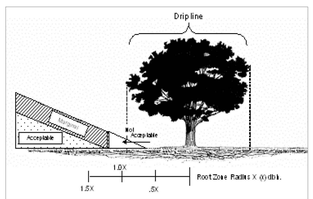
1 TPI TREE PLANTING DETAIL
SCALE: NTS



2 TPI TREE MULCHING DETAIL
SCALE: NTS



4 TPI TUNNELING OR BORING WITHIN TREE ROOT ZONES
SCALE: NTS



5 TPI ACCEPTABLE GRADE FILLS WITHIN ROOT ZONES
SCALE: NTS

NORTH
SCALE: 1" = 40'
40 80 120 FT.

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GEORGIA REGISTERED LANDSCAPE ARCHITECT SEAN J. MURPHY

COVENANT UNITED METHODIST CHURCH

ATLANTA ROAD
17-700, SMYRNA, COBB, GA

Prepared for: Client
Client Address

NOT FOR CONSTRUCTION

#	DATE	DESCRIPTION	REV.
1	' '	' '	' '
2	' '	' '	' '
3	' '	' '	' '
4	' '	' '	' '
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6	' '	' '	' '
7	' '	' '	' '
8	' '	' '	' '

PROJ. NO: 17-7-LDD-UMC
DESIGN: SM
DRAWN: BN
CHECKED: SM
DATE: 01/11/2017
SCALE: NA

TREE REPLACEMENT PLAN

TP1

Revit: K:\17 Projects\17-7-LDD - Covenant UMC Church\LDD\UMCLDD - Covenant UMC Church.rvt Jan 12, 2017 - 10:06am