



Department of Planning, Development and Transportation Planning Division 305 Chestnut Street PO Box 1810 Wilmington, NC 28402-1810

910 254-0900 910 341-3264 fax www.wilmingtonnc.gov Dial 711 TTY/Voice

APPROVED: X	DENIED:

TPP-21-209

Application for Tree R	emovai Perimi
erPho	one: (910) 343-1048
	• •

Email address for permit to be sent: rcollier@mckimcreed.com

Address of Proposed Tree Removal: 1801 S 17th Street Wilmington, NC 28405

Description and location of tree(s) to be removed & reason for removal: (provide attachment if necessary and tag tree(s) on site)

- Proposed building expansion
- 2. Proposed parking expansion and driveway relocation/addition
- 3. Proposed grading/Swales

Description of replacement trees:

I, Richard Collier certify that the property owner has given me permission to apply for this permit on his/her behalf

Remarks:

ALL WORK MUST BE IN COMPLIANCE WITH THE CITY LAND DEVELOPMENT CODE, ARTICLE 8, LANDSCAPING AND TREE
PRESERVATION

Tree preservation permit fees

Less than 1 acre	\$25.00
1-5 acres	\$50.00
5-10 acres	\$100.00
Greater than 10 acres	\$150.00

<sup>\*\*\*\*</sup>IF MITIGATION IS REQUIRED, CONTACT THE ZONING DEPARTMENT AT (910)254-0900 TO DISCUSS A PLANTING SCHEDULE\*\*\*\*

SURGCARE					
TREE REMOVAL					
	COUNT				
REGULATED*	53				
REGULATED	0				
SIGNIFICANT	4				
UNPROTECTED	2				
TOTAL REMOVED	59				

<sup>\*</sup>EXEMPT FROM MITIGATION DUE TO LOCATION WITHIN ESSENTIAL SITE IMPROVEMENTS

## TREES TO BE REMOVED

## LOCATED WITHIN ESSENTIAL SITE IMPROVEMENTS

(REGULATED TREES EXEMPT FROM MITIGATION)

TYPE	DIAMETER	CLASSIFICATION
GUM	10" 12"	REGULATED*
GUM		REGULATED*
GUM	12"	REGULATED*
GUM	10"	REGULATED*
PINE	14"	REGULATED*
PINE	18"	REGULATED*
PINE	16"	REGULATED*
PINE	26"	SIGNIFICANT
PINE	14"	REGULATED*
PINE	26"	SIGNIFICANT
GUM	8"	REGULATED*
PINE	24"	SIGNIFICANT
PINE	14"	REGULATED*
MAGNOLIA	4"	REGULATED*
PINE	12"	REGULATED*
PINE	16"	REGULATED*
PINE	18"	REGULATED*
PINE	24"	SIGNIFICANT
PINE	16"	REGULATED*
PINE	14"	REGULATED*
MAGNOLIA	4"	REGULATED*
MAGNOLIA	3"	UNPROTECTED
PINE	12"	REGULATED*
PINE	16"	REGULATED*
OAK	12"	REGULATED*
PINE	12"	REGULATED*
PINE	18"	REGULATED*
MAGNOLIA	6"	REGULATED*

OAK	8"	REGULATED*
OAK	8"	REGULATED*
MAGNOLIA	6"	REGULATED*
PINE	20"	REGULATED*
PINE	14"	REGULATED*
PINE	12"	REGULATED*
HOLLY	5"	REGULATED*
HOLLY	5"	REGULATED*
HOLLY	5"	REGULATED*
OAK	10"	REGULATED*
OAK	15"	REGULATED*
OAK	12"	REGULATED*
OAK	8"	REGULATED*
PINE	12"	REGULATED*
TURKEY OAK	10"	REGULATED*
OAK	8"	REGULATED*
OAK	12"	REGULATED*
PINE	10"	REGULATED*
OAK	12"	REGULATED*
OAK	10"	REGULATED*
OAK	10"	REGULATED*
MAPLE	6"	UNPROTECTED
TURKEY OAK	12"	REGULATED*
PINE	20"	REGULATED*
PINE	14"	REGULATED*
OAK	10"	REGULATED*
OAK	8"	REGULATED*
OAK	8"	REGULATED*
OAK	10"	REGULATED*
OAK	8"	REGULATED*
PINE	12"	REGULATED*

## Tree Removal and Mitigation Calculations Surgcare (07703-0001)

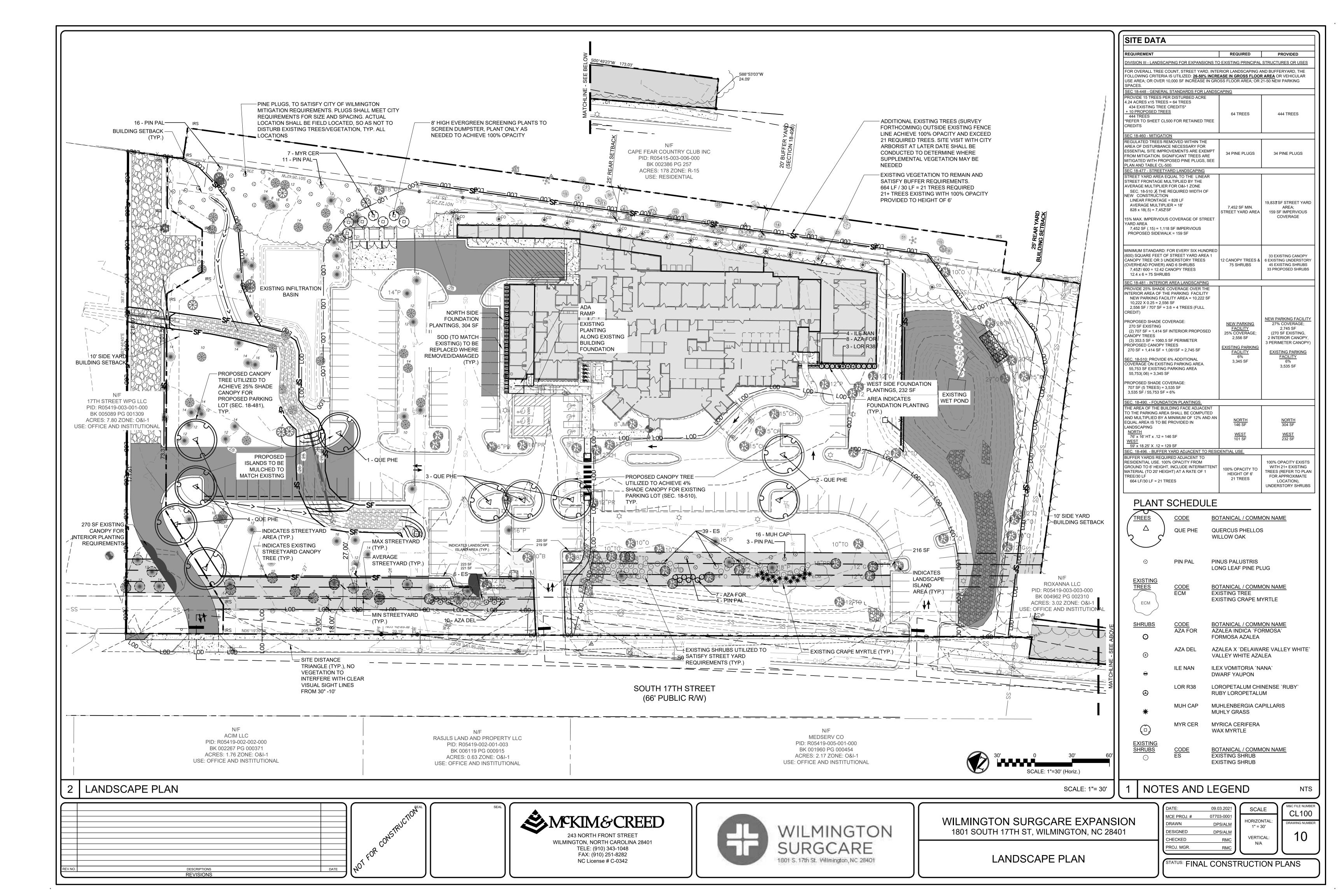
# of Protected Trees to be Removed								
Regulated*								
# of Trees	53							
	Regul	ated						
	Trees requiring							
		Minimum	Quantity					
	Hardwoods	8"	0					
	Conifer	12"	0					
	Flowering Trees  & American Holly	4"	0					
	Total Regulated Removed =							
	Signifi	cant						
		Minimum	Quantity					
	Caliper							
L F F N	Hardwoods, Long Leaf Pine, Pocosin (Pond) Pine, Black Pine, Non-Pine Conifer*	24"	4					
<i>P</i>	All other Pines 32"							
	Flowering Trees & American Holly							
	# of Significant	Trees requiring Mitigation=	4					

Mitigation Tree Calculation							
	Regulated Trees for Mitigation						
Cedar	( DBH * 75% ) / 3 =	.0 Trees					
Gum	( DBH * 75% ) / 3 =	Trees					
Hickory	( DBH * 75% ) / 3 =	Trees					
Holly	( DBH * 100% ) / 3 =	Trees					
Maple	( DBH * 50% ) / 3 =	Trees					
Oak	( DBH * 100% ) / 3 =	Trees					
Pine	( DBH * 50% ) / 3 =	Trees					
Total mitigation trees from Regulated Tree removal:							

Significant Trees for Mitigation						
Cedar	( 0 DBH *2* 75% ) / 3 =	0 Trees				
Gum	( 0 DBH *2* 75% ) / 3 =	0 Trees				
Hickory	( 0 DBH *2* 75% ) / 3 =	0 Trees				
Holly	( 0 DBH *2* 100% ) / 3 =	0 Trees				
Maple	( 0 DBH *2* 50% ) / 3 =	0 Trees				
Oak	( DBH *2* 100% ) / 3 =	Trees				
Pine	( 100 DBH *2* 100% ) / 3 =	67 Trees				
Total mitigation trees from Significant Tree removal:						

TOTAL MITIGATION REQUIRED = 67 Trees

per Sec. 18-460. (e). Pines may be mitigated on site with long-leaf pine plugs spaced ten (10) feet apart at a rate of one (1) plug per inch DBH of the removed tree multiplied by the percentage in Table IV divided by three (3). Alternatively, up to one-half (½) of the pine plugs required for replacement may be substituted with replacement hardwoods of equal or higher value in Table IV at the rate of one (1) hardwood per pine plug required. Refer to Sheets CL100 and CL500 for Pine Plug mitigation location and calculations.

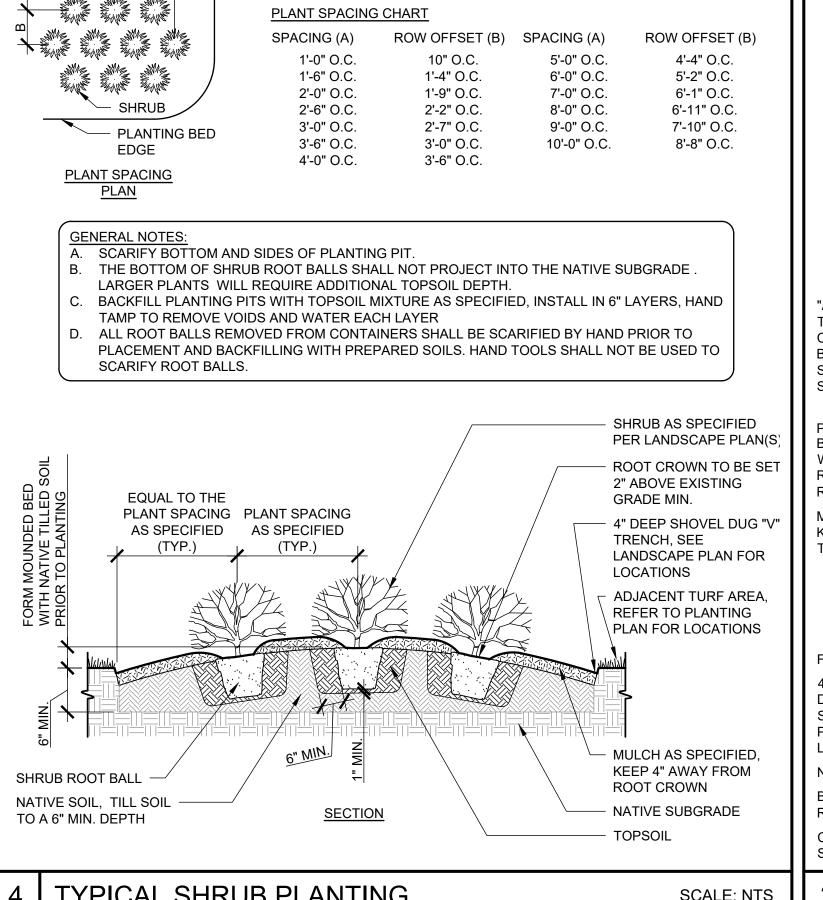


- ALL EXISTING VEGETATION THAT IS USED TO MEET LANDSCAPING REQUIREMENTS, ALL REQUIRED PLANTED LIVING MATERIAL, AND ALL REQUIRED BERMS SHALL BE MAINTAINED BY THE OWNER OF THE PROPERTY ON A CONTINUING BASIS. ANY PLANTED MATERIAL WHICH BECOMES DAMAGED OR DISEASED OR DIES SHALL BE REPLACED BY THE OWNER WITHIN 60 DAYS OF THE OCCURRENCE OF SUCH CONDITION. IF, IN THE OPINION OF THE ZONING ADMINISTRATOR THERE ARE SEASONAL CONDITIONS WHICH WILL NOT PERMIT THE TIMELY REPLACEMENT OF THE VEGETATION (E.G. TOO HOT OR TOO COOL FOR SUCCESSFUL REPLANTING) THIS REQUIREMENT MAY BE ADMINISTRATIVELY WAIVED UNTIL A TIME CERTAIN WHEN THE REPLANTING WOULD BE SUCCESSFUL.
- VERIFICATION OF TOTAL LANDSCAPE MATERIAL QUANTITIES AS SHOWN ON THE LANDSCAPE PLANS AND IN THE PLANT LIST SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO FINAL BIDDING OR INSTALLATION.
- C. ALL PLANTING TYPES SHALL COMPLY WITH LOCAL GOVERNING CODES AND REGULATIONS, CONFORM TO REQUIREMENTS OF PLANT LIST AND TO THE AMERICAN ASSOCIATION OF NURSERYMEN "AMERICAN STANDARD OF NURSERY STOCK" AND "HORTICULTURAL STANDARDS" AS TO SPECIES, AGE, SIZE, AND PLANTING RECOMMENDATIONS.
- D. LANDSCAPE MATERIAL PLACED IN PREPARED HOLES SHALL BE PROPERLY BACKFILLED PRIOR TO THE END OF THE WORKING DAY.
- E. ALL SAUCERS SHALL BE SOAKED WITH WATER AND MULCHED IMMEDIATELY FOLLOWING INSTALLATION.
- F. ALL PREPARED GROUND COVER AND ANNUAL BED INSTALLATIONS SHALL BE PROPERLY SOAKED AND MULCHED PRIOR TO THE END OF THE DAY.
- G. LANDSCAPE ARCHITECT SHALL APPROVE ANY ON-SITE PLANT STORAGE AREA FOR ACCESSIBILITY, SHADE CONDITIONS, HEALING-IN MULCH MATERIAL AND TEMPORARY WATERING METHODS.
- H. ALL ROPE AND WRAPPING TWINE SHALL BE CUT AND REMOVED FROM AROUND THE UPPER PARTS OF THE ROOT BALL. METAL BASKET WIRES AND BURLAP SHALL BE PULLED BACK AND TUCKED UNDER THE EDGES OF THE SAUCER RINGS ON ALL TREES AND LARGE SHRUBS. ALL SYNTHETIC BURLAP SHALL BE REMOVED FROM PLANT BALLS PRIOR TO BACK FILLING.
- ALL PLANT BEDS OR RAISED SAUCER RINGS SHALL BE EDGED WITH SMOOTH, CONTINUOUS CURVES.
- J. ALL PLANT MATERIAL SHALL BE PLANTED AT HEIGHTS AND WIDTHS AS ILLUSTRATED IN PLANTING DETAILS.
- K. TREE GUYING SHALL BE PERFORMED WITHIN A WEEK OF PLANTING. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TREE GUYING STRAPPING AND STAKES AFTER THE FIRST FULL GROWING SEASON OR ONE YEAR, WHICH EVER COMES FIRST.
- CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO PLANTING.
- M. ANY EXPOSED OR UNCOVERED LINES SHALL BE SHOWN TO GENERAL CONTRACTOR PRIOR TO BACKFILLING.
- N. ALL PLANT BEDS AND RAISED SAUCER RINGS SHALL BE GRADED TO PROVIDE ADEQUATE DRAINAGE AND SHALL BE MULCHED AS SPECIFIED.
- O. ALL MATERIALS, PLANTING AND LANDSCAPE WORK SHALL CONFORM TO THE CURRENT MUNICIPAL AUTHORITIES STANDARD SPECIFICATIONS AND DETAILS.
- P. ALL LANDSCAPE AREAS THAT ARE NOT PLANTED AND MULCHED OR PAVED SHALL BE SEEDED OR SODDED.
- Q. FIRST YEAR PRUNING OF TREE CROWN SHALL BE LIMITED TO REMOVAL OF DEAD & DAMAGED WOOD.
- R. TREE PROTECTION FENCE SHALL BE INSTALLED, INSPECTED AND APPROVED PRIOR TO CLEARING, GRADING AND CONSTRUCTION ACTIVITY OR ISSUANCE OF ANY RELATED PERMITS. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
- MULCH LINE TO BE CONSTRUCTED OF SMOOTH CONTINUOUS CURVES. CLEAR OUT FIRST 5' FROM DEBRIS AND UNDERBRUSH AT AREAS OF EXISTING VEGETATION TO REMAIN.
- OTHERWISE INDICATED ON THE PLANTING PLANS.

ALL TREES NOT WITHIN A PLANT BED TO BE TREATED WITH A 6' DIAMETER MULCH RING TYPICAL, UNLESS

- U. ALL TREES TO HAVE A MINIMUM 2" CALIPER AT THE TIME OF PLANTING, UNLESS OTHERWISE INDICATED IN THE PLANTING SPECIFICATION. CALIPER TO BE MEASURED 48" ABOVE THE ROOT BALL.
- V. TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM SEWER/WATER CONNECTIONS OR AS OTHERWISE DICTATED BY LOCAL REGULATIONS. CONTRACTOR SHALL BE LIABLE FOR DAMAGE TO ANY AND ALL PUBLIC OR PRIVATE UTILITIES.
- W. SUBSTITUTIONS OF PLANT MATERIALS SPECIFIED CAN ONLY OCCUR WITH PRIOR APPROVAL BY LANDSCAPE ARCHITECT.
- X. ESTABLISH PLANT BED CONFIGURATION. LANDSCAPE ARCHITECT TO APPROVE BED LAYOUT IN FIELD.
- Y. AREAS DAMAGED BY ACTIVITIES OF CONTRACTOR SHALL BE RE-ESTABLISHED TO PRE-DISTURBANCE CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- USE HERBICIDES, PESTICIDES, AND FERTILIZER IN A MANNER CONSISTENT WITH THE FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT AND IN ACCORDANCE WITH LABEL RESTRICTIONS.
- AA. CONTRACTOR SHALL INSURE THAT ALL PLANT MATERIAL IS FREE OF FIRE ANTS PRIOR TO INSTALLATION.
- AB. LANDSCAPE ARCHITECT OR OWNER SHALL APPROVE PLACEMENT OF TREES PRIOR TO PLANTING.
- AC. IRRIGATION DESIGNERS SHALL SUBMIT IRRIGATION PLAN TO OWNERSIHP AS DESIGN-BUILD OPTION.
- AD. IRRIGATION CONTRACTOR SHALL PROVIDE TEMPORARY IRRIGATION TO ALL PROPOSED TREES OUTSIDE PERMANENT IRRIGATION ZONES FOR THE DURATION OF ESTABLISHMENT PERIOD.
- AE. IRRIGATION CONTRACTOR SHALL PROVIDE PERMANENT IRRIGATION AT RING ROAD LANDSCAPE AREAS AND AT ALL BUILDING FOUNDATION PLANTING AREAS.
- AF. ALL LANDSCAPE ISLANDS WITHOUT UNDERSTORY SHOWN SHALL CONTAIN MULCH GROUNDCOVER (TYP.) TO MATCH EXISTING.

MITIGATION CREDITS							
DBH	TYPE	CITY OF WILMINGTON CLASSIFICATION					
26"	PINE	SIGNIFICANT					
26"	PINE	SIGNIFICANT					
24"	PINE	SIGNIFICANT					
24"	PINE	SIGNIFICANT					
100	TOTAL DBH						
100 DBH (2 TREES RE	()(100%)/3 = 67 QUIRED	MITIGATION					
LONG LEAF PINE PLUGS SHALL BE UTILIZED TO MEET MITIGATION REQUIREMENTS, SPACED 10' APART AT A RATE OF 1 PLUG PER INCH OF DBH MULTIPLIED BY 100% DIVIDED BY 3. 100 DBH/3 = 33.33 = 34 plugs							



TYPICAL SHRUB PLANTING SCALE: NTS

(S) ET	11	"ARBORTIE" TREE GUY S COLOR TO B BREAK STRE STRAP LIGHT SLIGHT MOV  PULL BACK T BURLAP, TW WIRE BASKE REMAINDER ROOT BALL  MULCH AS S KEEP 6" AWA TREE TRUNK  FINISH GRAD 4" DEEP SHO DUG "V" TRE SEE LANDSO PLAN FOR LOCATIONS NATIVE SUBO BALLED AND ROOT BALL  COMPACTED SOIL PEDES	HEAVY DITRAPPINGE GREEN SITLY TO ALITED AY FROM CONCENTRATE OF THE SET, LEAVE AROUND PECIFIED AY FROM CONCENTRATE OF THE SET OF THE	G, , 900LB LACK LLOW I TREE		/   /	2 TO 3 TIM DOT BALL SECT	DIAMETER			LAND LOOF ABOV AROU LEAD MANU RECO TYING ROO 2" AB GRAD NATIV TO A LUME TOTA AROU OUTS	VE SOIL, TILL SOIL 6" MIN. DEPTH  2" X 30" UNTREATED BER STAKES (TYP.), (3) AL EQUALLY SPACED JND TREE, INSTALL SIDE OF ROOTBALL BACKFILLED SOIL URE
s	Jt	2 TY	PICA	L TR	EE	PLAN	TING					SCALE: NTS
	12	pine	3		14	pine	3		16	pine	3	
	12	pine	3		14	pine	3		16	pine	3	
ļ	12	pine	3		14	pine	3		16	pine	3	
	12	pine	3		14	pine	3		16	pine	3	
ſ	12	nak	7		1/1	nine	3		16	nine	2	

PREVAILING

WINDS

- STAKE

- TRUNK

**GENERAL NOTES:** 

A. TREE TO BE STRAIGHTENED PRIOR TO BACKFILL AND GUYING

LOCATIONS AS DIRECTED BY LANDSCAPE ARCHITECT.

HAND TAMP TO REMOVE VOIDS AND WATER EACH LAYER

C. STAKE AND GUY TREES 3" CALIPER OR GREATER, OR TREES IN WINDING

E. MARK NORTH SIDE OF TREE AT NURSERY AND PLANT WITH MARKING FACING

BACKFILL PLANTING PITS WITH TOPSOIL MIXTURE AS SPECIFIED, PACK SOIL

AROUND BASE OF ROOTBALL TO STABILIZE, INSTALL REMAINDER IN 9" LAYERS,

B. SCARIFY BOTTOM AND SIDES OF PLANT PIT.

D. DO NOT WRAP TREE TRUNK.

TREES PINUS PALUSTRIS LONGLEAF PINE	SIZE B & B	<u>CALIPER</u>	<u>HEIGHT</u> VARIES, SEE PLAN	QTY 34	REMARKS PLUG - USED TO SATISFY MITIGATION TREE REQUIREMENT
QUERCUS PHELLOS WILLOW OAK	B & B	2" CAL.	12`-14` HT.	10	SINGLE DOMINANT LEADER, UNIFORM CANOPY & MATCHED

5 TREE MITIGATION CALCULATIONS

## SHRUBS

<u> </u>						
SHRUBS AZALEA INDICA `FORMOSA` FORMOSA AZALEA	SIZE 3 GAL.	<u>HEIGHT</u> 18"-24" HT.	<u>SPREAD</u> 18"-24" SPD.	SPACING 4` O.C.	<u>QTY</u> 33	REMARKS UNIFORM HEAD & MATCHED
AZALEA X `DELAWARE VALLEY WHITE` VALLEY WHITE AZALEA	3 GAL.	18"-24" HT.	18"-24" SPD.	4` O.C.	10	UNIFORM HEAD & MATCHED
ILEX VOMITORIA `NANA` DWARF YAUPON	3 GAL.	12"-15" HT.	12"-15" SPD.	3` O.C.	4	UNIFORM HEAD & MATCHED
LOROPETALUM CHINENSE 'RUBY' RUBY LOROPETALUM	7 GAL.	24"-30" HT.	24"-30" SPD.	4` O.C.	3	UNIFORM HEAD & MATCHED
MUHLENBERGIA CAPILLARIS MUHLY GRASS	3 GAL.	18"-24" HT.	18"-24" SPD.	4` O.C.	16	UNIFORM HEAD & MATCHED
MYRICA CERIFERA WAX MYRTLE	B & B	8` HT.	8` SPD.	8` O.C.	7	UNIFORM HEAD & MATCHED; FULL TO GROUND

SCALE: NTS

	TREE CREDI	TS	10	oak	2	12	pine	3		14	
	SPECIES	CREDIT	10	oak	2	12	pine	3	]	14	Γ
			10	oak	2	12	pine	3		14	I
	magnolia	1	10	oak	2	12	pine	3	]	14	
	magnolia	1	10	oak	2	12	oak	3	1	14	
	magnolia	1	10	holly	2	12	pine	3	1	14	
	magnolia 	1	10	pear	2	12	pine	3	1	14	
_	magnolia	1	10	birch	2	12	pine	3	1	14	
	magnolia 	1	10	oak	2	12	oak	3	1	14	
	magnolia	1	10	oak	2	12	pine	3	1	14	
	magnolia	2	10	oak	2	12	pear	3	1	14	
	magnolia	2	10	oak	2	12	oak	3	1	14	
	magnolia 	2	10	oak	2	12	oak	3	1	14	
	magnolia	2	12	gum	3	12	oak	3	1	14	
	magnolia	2	12	gum	3	12	pine	3	1	14	
	pear	2	12	gum	3	12	oak	3	1	14	
	oak	2	12	pine	3	12	pine	3	1	14	_
	oak	2	12	pine	3	12	pine	3	1	14	
	oak	2	12	pine	3	12	pine	3	1	14	
	oak	2	12	pine	3	12	turkey oak	3	1	14	
	oak	2	12	pine	3	12	oak	3	1	14	
	oak	2	12	pine	3	12	oak	3	1	14	
	oak	2	12	pine	3	12	pine	3	1	14	
	oak	2	12	pear	3	12	pine	3	1	14	
	oak	2	12	cherry	3	12	pine	3	1	14	
	oak	2	12	cherry	3	12	oak	3	1	14	
	oak 	2	12	oak	3	12	turkey oak	3	1	14	_
	turkey oak	2	12	oak	3	12	turkey oak	3	1	14	
_	turkey oak	2	12	oak	3	12	oak	3	1	15	
	birch	2	12	oak	3	12	oak	3	1	15	
	jap maple	2	12	oak	3	12	gum	3	1	15	
	turkey oak	2	12	oak	3	14	pine	3	1	15	
	turkey oak	2	12	pine	3	14	pine	3	1	15	
	oak	2	12	pine	3	14	oak	3	1	15	
	oak	2	12	pine	3	14	oak	3	1	16	
	oak	2	12	pine	3	14	oak	3	1	16	_
_	oak	2	12	pine	3	14	PINE	3	†	16	
	oak	2	لـــــا	· ·				I -	J		-

16	pine	3		
16	pine	3		
16	pine	3		
16	pine	3		
16	pine	3		
18	pine	4		
18	pine	4		
18	pine	4		
18	pine	4		
18	oak	4		
20	pine	4		
20	gum	4		
26	pine	4		
27	oak	5		
	TOTAL:	434.83		
AND	R TO SHEET SCAPE REQU CULATIONS			

GENERAL LANDSCAPE NOTES

SCALE: NTS

3 | PLANT SCHEDULE

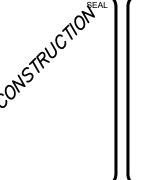
SCALE: NTS

RETAINED TREE CREDITS

SCALE: NTS

CL500

DESCRIPTIONS REVISIONS







WILMINGTON SURGCARE **EXPANSION** 

1801 SOUTH 17TH ST, WILMINGTON, NC 28401

DESIGNED

SCALE 07703-000 HORIZONTAL: DPS/ALM DPS/ALM VERTICAL:

STATUS: FINAL CONSTRUCTION PLANS

LANDSCAPE DETAILS