



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: \_\_\_\_\_

PERMIT #: TPP-21-209

### Application for Tree Removal Permit

Name of Applicant: Richard Collier Phone: (910) 343-1048 Date: \_\_\_\_\_

Name of Property Owner: James Shafer Phone: \_\_\_\_\_

Property Owner Address: 1801 S 17th Street Wilmington, NC 28405

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)

1. 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.

Applicant Signature: [Signature] Date: 10-23-2019

\*\*\*\*\*FOR OFFICIAL USE ONLY\*\*\*\*\*

Reviewed by: Brian Chambers Date: 10/19/21

Remarks: \_\_\_\_\_

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

NEW CONSTRUCTION: \_\_\_\_\_ EXPANSION: ☒ OTHER: \_\_\_\_\_ PAID: \_\_\_\_\_

Paid, \$100.00 BY  
CHECK JFW

#### 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

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

Application can be mailed, emailed to: [zoning@wilmingtonnc.gov](mailto:zoning@wilmingtonnc.gov) or dropped off at our office.

SURGCARE		
TREE REMOVAL		
	COUNT	
REGULATED*	53	
REGULATED	0	
SIGNIFICANT	4	
UNPROTECTED	2	
TOTAL REMOVED	59	
*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"	REGULATED*
GUM	12"	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 Exempt due to Essential Site Improvements			53
Regulated			
Trees requiring mitigation			
		Minimum	Quantity
	Hardwoods	8"	0
	Conifer	12"	0
	Flowering Trees & American Holly	4"	0
Total Regulated Removed =			0
Significant			
		Minimum Caliper	Quantity removed
	Hardwoods, Long Leaf Pine, Pocosin (Pond) Pine, Black Pine, Non-Pine Conifer*	24"	4
	All other Pines	32"	0
	Flowering Trees & American Holly	8"	0
# of Significant Trees requiring Mitigation=			4

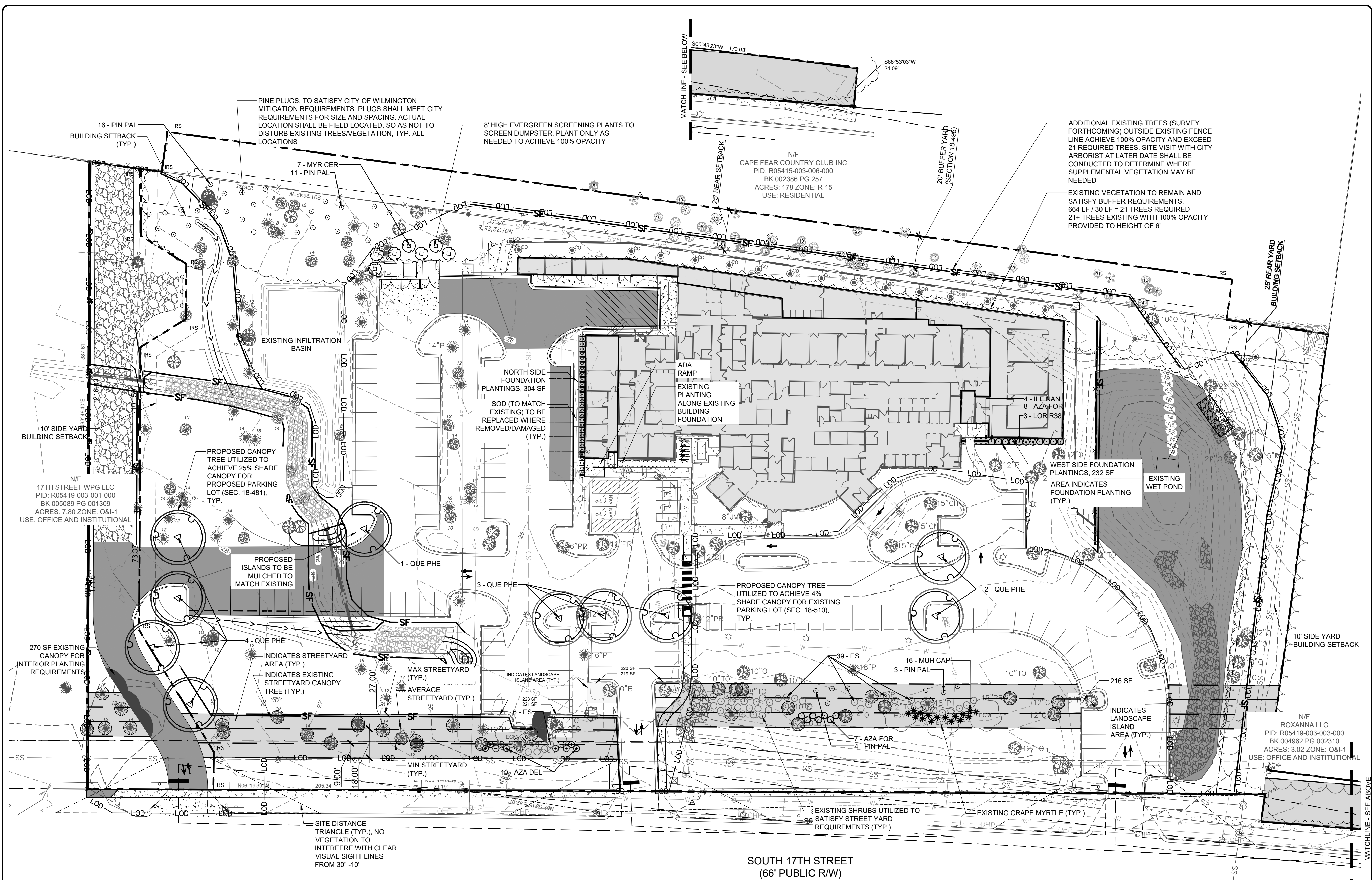
Mitigation Tree Calculation									
Regulated Trees for Mitigation									
Cedar	(	DBH	*	75%	)	/	3	=	.0 Trees
Gum	(	DBH	*	75%	)	/	3	=	Trees
Hickory	(	DBH	*	75%	)	/	3	=	Trees
Holly	(	DBH	*	100%	)	/	3	=	Trees
Maple	(	DBH	*	50%	)	/	3	=	Trees
Oak	(	DBH	*	100%	)	/	3	=	Trees
Pine	(	DBH	*	50%	)	/	3	=	Trees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

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:								67 Trees	

TOTAL MITIGATION REQUIRED =	67 Trees
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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.





SITE DATA				
REQUIREMENT	REQUIRED	PROVIDED		
DIVISION III - LANDSCAPING FOR EXPANSIONS TO EXISTING PRINCIPAL STRUCTURES OR USES				
FOR OVERALL TREE COUNT, STREET YARD, INTERIOR LANDSCAPING AND BUFFERYARD, THE FOLLOWING CRITERIA IS UTILIZED: 26-60% INCREASE IN GROSS FLOOR AREA OR VEHICULAR USE AREA; OR OVER 10,000 SF INCREASE IN GROSS FLOOR AREA; OR 21-50 NEW PARKING SPACES.				
SEC 18-446 - GENERAL STANDARDS FOR LANDSCAPING				
PROVIDE 15 TREES PER DISTURBED ACRE 4.24 ACRES x15 TREES = 64 TREES 434 EXISTING TREE CREDITS* + 10 PROPOSED TREES 444 TREES *REFER TO SHEET CL500 FOR RETAINED TREE CREDITS	64 TREES	444 TREES		
SEC 18-460 - MITIGATION				
REGULATED TREES REMOVED WITHIN THE AREA OF DISTURBANCE NECESSARY FOR ESSENTIAL SITE IMPROVEMENTS ARE EXEMPT FROM MITIGATION. SIGNIFICANT TREES ARE MITIGATED WITH PROPOSED PINE PLUGS. SEE PLAN AND TABLE CL-500.	34 PINE PLUGS	34 PINE PLUGS		
SEC 18-477 - STREET YARD LANDSCAPING				
STREET YARD AREA EQUAL TO THE LINEAR STREET FRONTAGE MULTIPLIED BY THE AVERAGE MULTIPLIER FOR O&I-1 ZONE SEC 18-510, X THE REQUIRED WIDTH OF NEW CONSTRUCTION LINEAR FRONTAGE = 828 LF AVERAGE MULTIPLIER = 18' 828 x 18(5) = 7,452 SF 15% MAX IMPERVIOUS COVERAGE OF STREET YARD AREA 7,452 SF (15) = 1,118 SF IMPERVIOUS PROPOSED SIDEWALK = 159 SF	7,452 SF MIN. STREET YARD AREA	19,833 SF STREET YARD AREA 159 SF IMPERVIOUS COVERAGE		
MINIMUM STANDARD: FOR EVERY SIX HUNDRED (600) SQUARE FEET OF STREET YARD AREA 1 CANOPY TREE OR 3 UNDERSTORY TREES (OVERHEAD POWER) AND 6 SHRUBS 7,452 / 600 = 12.42 CANOPY TREES 12.4 x 6 = 75 SHRUBS	12 CANOPY TREES & 75 SHRUBS	33 EXISTING CANOPY 6 EXISTING UNDERSTORY 45 EXISTING SHRUBS 33 PROPOSED SHRUBS		
SEC 18-481 - INTERIOR AREA LANDSCAPING				
PROVIDE 25% SHADE COVERAGE OVER THE INTERIOR AREA OF THE PARKING FACILITY NEW PARKING FACILITY AREA = 10,222 SF 10,222 x 0.25 = 2,556 SF 2,556 SF / 707 SF = 3.6 = 4 TREES (FULL CREDIT)	NEW PARKING FACILITY 25% COVERAGE: 2,556 SF EXISTING PARKING FACILITY 6% 3,345 SF	NEW PARKING FACILITY 27% COVERAGE: 2,745 SF (270 SF EXISTING, 2 INTERIOR CANOPY, 3 PERIMETER CANOPY) EXISTING PARKING FACILITY 6% 3,355 SF		
SEC 18-510 - PROVIDE 6% ADDITIONAL COVERAGE ON EXISTING PARKING AREA 55,753 SF EXISTING PARKING AREA 55,753(6%) = 3,345 SF				
PROPOSED SHADE COVERAGE: 270 SF EXISTING (2) 707 SF x 1.414 SF INTERIOR PROPOSED CANOPY TREES (3) 353.5 SF x 1060.5 SF PERIMETER PROPOSED CANOPY TREES 270 SF x 1.414 SF + 1060.5 SF = 2,745 SF				
SEC 18-510 - PROVIDE 6% ADDITIONAL COVERAGE ON EXISTING PARKING AREA 55,753(6%) = 3,345 SF				
SEC 18-490 - FOUNDATION PLANTINGS				
THE AREA OF THE BUILDING FACE ADJACENT TO THE PARKING AREA SHALL BE COMPUTED AND MULTIPLIED BY A MINIMUM OF 12% AND AN EQUAL AREA IS TO BE PROVIDED IN LANDSCAPING NORTH 76' x 16' HT x 12' = 146 SF WEST 59' x 18.25' x 12' = 129 SF	NORTH 146 SF WEST 101 SF	NORTH 304 SF WEST 232 SF		
SEC 18-496 - BUFFER YARD ADJACENT TO RESIDENTIAL USE				
BUFFER YARDS REQUIRED ADJACENT TO RESIDENTIAL USE: 100% OPACITY FROM GROUND TO 6' HEIGHT, INCLUDE INTERMITTENT MATERIAL (TO 20' HEIGHT) AT A RATE OF 1 TREE/50 LF 664 LF/50 LF = 21 TREES	100% OPACITY TO HEIGHT OF 6' 21 TREES	100% OPACITY EXISTS WITH 21+ EXISTING TREES (REFER TO PLAN FOR APPROXIMATE LOCATION), UNDERSTORY SHRUBS		

PLANT SCHEDULE		
TREES	CODE	BOTANICAL / COMMON NAME
	QUE PHE	QUERCUS PHELLOS WILLOW OAK
	PIN PAL	PINUS PALUSTRIS LONG LEAF PINE PLUG
EXISTING TREES	CODE	BOTANICAL / COMMON NAME
	ECM	EXISTING TREE EXISTING CRAPE MYRTLE
SHRUBS	CODE	BOTANICAL / COMMON NAME
	AZA FOR	AZALEA INDICA 'FORMOSA' FORMOSA AZALEA
	AZA DEL	AZALEA X 'DELAWARE VALLEY WHITE' VALLEY WHITE AZALEA
	ILE NAN	ILEX VOMITORIA 'NANA' DWARF YAUPON
	LOR R38	LOROPETALUM CHINENSE 'RUBY' RUBY LOROPETALUM
	MUH CAP	MUHLBERGIA CAPILLARIS MUHLY GRASS
	MYR CER	MYRICA CERIFERA WAX MYRTLE
EXISTING SHRUBS	CODE	BOTANICAL / COMMON NAME
	ES	EXISTING SHRUB EXISTING SHRUB

2 LANDSCAPE PLAN

1 NOTES AND LEGEND

SCALE: 1"= 30'

2

LANDSCAPE PLAN

1

NOTES AND LEGEND

DATE: 09.03.2021

MCE PROJ. # 07703-0001

DRAWN: DPS/ALM

DESIGNED: DPS/ALM

CHECKED: RMC

PROJ. MGR. RMC

SCALE

HORIZONTAL: 1"= 30'

VERTICAL: N/A

M&C FILE NUMBER

CL100

DRAWING NUMBER

10

STATUS: FINAL CONSTRUCTION PLANS

WILMINGTON SURGCARE EXPANSION

1801 SOUTH 17TH ST, WILMINGTON, NC 28401

LANDSCAPE PLAN

MCKIM & CREED

243 NORTH FRONT STREET

WILMINGTON, NORTH CAROLINA 28401

TELE: (910) 343-1048

FAX: (910) 251-8282

NC License # C-0342

WILMINGTON SURGCARE

1801 S. 17th St. Wilmington, NC 28401



- 6 | GENERAL LANDSCAPE NOTES

## 5 | TREE MITIGATION CALCULATIONS



### 3 | PLANT SCHEDULE

## 1 | RETAINED TREE CREDITS

NOT FOR CONSTRUCTION



**McKIM & CREED**

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WILMINGTON, NORTH CAROLINA 28401

TELE: (910) 343-1048  
FAX: (910) 251-8282  
NC License # C-0342



## LANDSCAPE DETAILS

SCALE

HORIZONTAL:  
1" = 30'

VERTICAL:  
N/A

STATUS: FINAL CONSTRUCTION  
PLANS

M&amp;C FILE NUMBER

CL500

DRAWING NUMBER

23

20

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