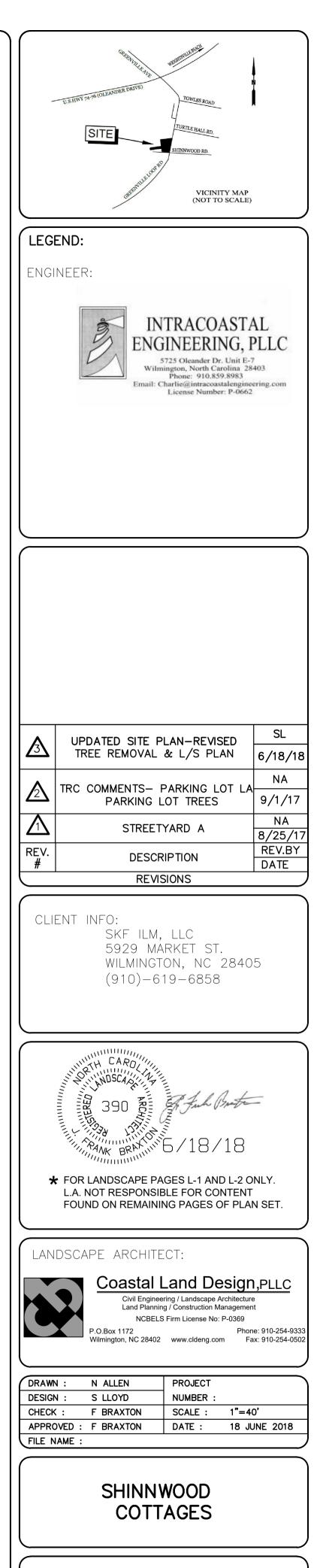


N NAME	CAL.	НТ.	REMARKS	QUAN.	SYMBOL
К	2.5 ″		B&B	4	LO
PISTACHE	2.5 <i>″</i>		B&B	4	CP
ОАК	2.5 ″		B&B	4	VO
OCUST	2.5 <i>″</i>		B&B	5	BL
T TEA OLIVE			7 GAL.	11	TO
D LORAPETALUM			3 GAL.	25	L-RR
HOLLY			3 GAL.	63	СН
OUNTAIN GRASS			1 GAL.	29	DFG
MAIDEN GRASS			3 GAL.	45	MS
RTLE			7 GAL.	14	WМ
R. STEVENS HOLLY			15 GAL.	14	NRS
PYGMY DWARF BARBERRY			3 GAL.	9	BAR
N GRASS			З GAL.	25	PEN
DRUM COMPACTA			7 GAL.	14	PIT
TED LIRIOPE		1 QT.	18″ O.C.	498	LIR
CONEFLOWER		1 QT.	24″ O.C.	29	RF
70/014					
ZOYSIA					



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	Approved Construction Plan	
	Planning	
	Tr <u>affic</u> Fir <u>e</u>	
		7
`\	WILMINGTON NORTH CAROLINA	
Ì	Public Services Engineering Division	
	APPROVED STORMWATER MANAGEMENT PLAN	LAN
	Date: Permit #	
	Signed:	
	For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.	DRAW DESIG CHECI APPRO
<u>10' P.U.E.</u>	4	
IGN		

LANDSCAPE PLAN

JOB NUMBER

STREET YARD CALCUL	_ATIONS NVILLE LOOP RD. = 670 LF - 30 LF (DRIVEWAY) = 640 LF
STREET YARD (A):	REQUIRED S.Y. AREA = 7,680 [640 LF × 12 (MULTIPLIER)] Provided S.y. Area = 8,548
	REQUIRED TREES @ 1/600 SF = 15 TREES PROPOSED TREES = 4 NEW TREES + (CREDIT 12 EX. CANOPY TREES)
	REQUIRED SHRUBS @ 6/600 SF = 86 SHRUBS PROPOSED SHRUBS = 91
STREET YARD (B):	REQUIRED S.Y. AREA = 2,034 [339 LF × 12 × .5] Provided s.y. area = 2,160 sf
	REQUIRED TREES @ 1/600 SF = 3 TREES PROPOSED TREES = CREDIT 3 EXISTING TREES IN S.Y.
	REQUIRED SHRUBS @ 6/600 SF = 20 SHRUBS PROPOSED SHRUBS = CREDIT EXISTING SHRUBS
ALL PROPOSED VEGET	ATION WITHIN SITE TRIANGLES SHALL

ALL PROPOSED VEGETATION WITHIN SITE TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30″ – 10′ [SEC.18–566 COW]

PARKING AREA SCREENING

PARKING WITHIN 50' OF A R.O.W. REQUIRES A LOW SCREEN MIN. 3' HIGH AND 5' WIDE * SCREENING INCLUDED IN STREETYARD PLANTING

PARKING AREA SHADING

20% SHADE REQ'D AT MATURITY 14,785 SF PARKING AREA= 2,957 SF SHADING AREA REQ'D=.....

FOUNDATION PLANTING AREAS

REQUIREMENT: FACADE AREA X 12% BUILDING HEIGHT = 25 FT BUILDING WIDTH (LF) = 672 LF REQ'D FOUNDATION LANDSCAPING = 2,016 SF PRO∨IDED = 2,637 SF

LANDSCAPING PARKING ISLANDS Δ

ISLAND	AREA (SF)	REQUIRED TREES	PROVIDED	SHADE PRO∨IDED
1	241	1 canopy	1 canopy	707 SF
2	301	1 canopy	1 canopy	707 SF

PARKING LOT LANDSCAPE NOTES:

<u>Section 18–481 (a)</u> All single planting islands measuring twelve (12) feet by eighteen (18) feet or **216** SF shall have at least one (1) tree. All double planting islands measuring twelve (12) feet by thirty-six (36) feet or **432** SF shall have at least two (2) small mature shade trees or one canopy tree.

LANDSCAPE NOTES

FENCING.

- 1. ALL LANDSCAPE MATERIAL MUST BE INSTALLED PRIOR TO FINAL BUILDING INSPECTION
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND/OR RELOCATION OF EXISTING UTILITIES IN COORDINATION WITH THE APPROPRIATE UTILITY AGENCY OR COMPANY.
- 3. CONTRACTOR SHALL NOT SUBSTITUTE FOR ANY OF THE PLANT MATERIAL THAT IS SPECIFIED WITHOUT PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT.
- 4. VERIFICATION OF TOTAL QUANTITIES AS SHOWN IN THE PLANT LIST SHALL BE THE
- RESPONSIBILITY OF THE CONTRACTOR. 5. MULCH UNDER ALL PROPOSED TREES AND SHRUBS WITH PINE NEEDLES AT A 3"-4" DEPTH OR
- APPROVED EQUAL. 6. PLANT SIZES INDICATED SPECIFY MINIMUM ALLOWABLE SIZES AT PLANTING. WHERE CONTAINER AND HT. SIZES ARE INDICATED FOR A SINGLE SPECIES, BOTH SIZE REQUIREMENTS MUST
- BE MET. 7. THERE SHALL BE AT LEAST A 3 FT. SEPARATION BETWEEN LANDSCAPED AREAS AND PARKING AREAS TO ALLOW VEHICLE OVERHANG WHEN PARKING STOPS ARE NOT REQUIRED..
- 8. ALL PLANTINGS USED TO SCREEN THE DRIVES AND PARKING AREAS FROM ADJOINING
- ROADWAYS WILL NEED TO BE A MINIMUM OF 24" HIGH AT TIME OF PLANTING.
- 9. ALL OTHER AREAS NOT BEING MULCHED TO BE SEEDED PER SEEDING SCHEDULE INCLUDED AS PART OF THE S&E PLANS.
- 10. THE OWNERS OF THE PROPERTY AND THEIR AGENTS, HEIRS, OR ASSIGNS SHALL BE RESPONSIBLE FOR THE INSTALLATION, PRESERVATION AND MAINTENANCE OF ALL PLANTING AND PHYSICAL FEATURES SHOWN ON THIS PLAN. THE OWNERS SHALL BE RESPONSIBLE FOR ANNUAL MAINTENANCE OF THE VEGETATION TO INCLUDE BUT NOT BE LIMITED TO: A. FERTILIZATION
- TREES SHRUBS AND GRASSED AREAS BROADCAST A SLOW RELEASE FERTILIZER OVER THE MULCHED BEDS AT THE RECOMMENDED RATES AS SHOWN ON THE BAGS, ONCE MID-FEBRUARY AND ONCE MID-SEPTEMBER. THOROUGH WATERING IS REQUIRED UPON COMPLETION. B. PRUNNING WITHIN LIMITS
- PRUNING WHEN NECESSARY, WILL BE DONE TO MAINTAIN THEIR NORMAL GROWTH PATTERN AND TO REMOVE DEAD OR DISEASED PLANT MATERIAL. THERE SHALL BE NO TOPPING OF TRFFS
- C. **PEST CONTROL (OPTIONAL)** WEED CONTROL TO BE PROVIDED EARY FEBRUARY, APRIL, JUNE, AUGUST AND OCTOBER IN THE SHRUB/TREE BEDS AND IN THE LAWN AREAS. INSECT DAMAGE SHALL BE TREATED WHEN NECESSARY TO PREVENT DAMAGE TO VEGETATION. D. MULCHING
- ALL AREAS AROUND THE BUILDING FOUNDATION AND SHRUB/TREE BEDS SHALL BE RE-MULCHED SO THAT THEY CONTAIN A MIN. DEPTH OF TWO INCHES AND A MAXIMUM DEPTH OF THREE INCHES OF HARDWOOD SHREDDED MULCH. MULCH USED SHALL EQUAL WHICH WAS SUPPLIED DURING THE INSTALLATION OF THE PLANTS. E. MOWING
- MOWING SHALL BE DONE AS NECESSARY TO KEEP GRASS AT THE APPROPRIATE HEIGHT TO INSURE A HEALTHY GROWTH PATTERN. F. PROTECTION OF ROOT ZONES
- TREE/SHRUB ROOT ZONES SHOULD BE PROTECTED FROM FUTURE CONSTRUCTION AND EQUIPMENT AS MUCH AS POSSIBLE TO AVOID DAMAGE OR COMPACTION TO THE ROOT AREAS. WATERING SCHEDULE FOR IRRIGATION SYSTEM
- MAINTENANCE SHALL INCLUDE A THOROUGH INITIAL WATERING WITH WEEKLY WATERINGS THEREAFTER FOR THE FIRST 30 DAYS. WATERINGS THEREAFTER BE ON AN AS NEEDED SCHEDULE PER LOCAL CONDITIONS. H. STAKE AT WIRE REMOVAL
- AT THE END OF THE FIRST YEAR ALL PLANT STAKING AND GUYING SYSTEMS SHALL BE REMOVED. PROTECTED TREE REGULATION PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION

WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION

Proposed
Tree Name
Magnolia
Magnolia
Magnolia
Magnolia
Loblolly Pine

Total Trees Req.

for Mitigation

Prop

Tree Name

- Magnolia Magnolia
- Magnolia Loblolly Pine
- Loblolly Pine

Total Trees F for Mitigatio

Sec. 18-460 Mitigation: Regulated trees . The total number of replacement trees shall be determined for regulated trees removed by multiplying the total DBH of the removed regulated tree(s) by the percentage for the type of tree in Table IV and dividing by three (3).

Section 18-461 Exceptions to Mitigation: (b)Regulated trees removed within the area of disturbance necessary for essential site improvements are exempt from mitigation, provided the applicant has designed around trees in order to retain as many trees as practicable.

Credit for Preserved Trees (Sec. 18-448 Table 1)				
Size	Credit Given	Resulting Credit		
(DBH)	create civen	nesuring creat		
2-5"	1	5		
6-11"	2	104		
12-17"	3	216		
18-23"	4	56		
>24"	= (DBH/6)	102.5		
Total resulting Credit for = 483.5				
	Size (DBH) 2-5" 6-11" 12-17" 18-23" >24"	Size (DBH) Credit Given 2-5" 1 6-11" 2 12-17" 3 18-23" 4 >24" = (DBH/6)		

$\overline{3}$ TREE MIIGATION CALCULATIONS

Proposed Significant Trees to be Removed				
Tree Name	# of Trees	DBH	% Mitigation	Total DBH
Magnolia	1	8	100	16
Magnolia	1	10	100	20
Magnolia	1	11	100	22
Magnolia	1	12	100	24
Loblolly Pine	1	33	50	33
Total DBH of Removed Significant Trees = 115"				
Total Trees Req. = Total DBH X 2X mitigation % for Mitigation = 3 = 38				

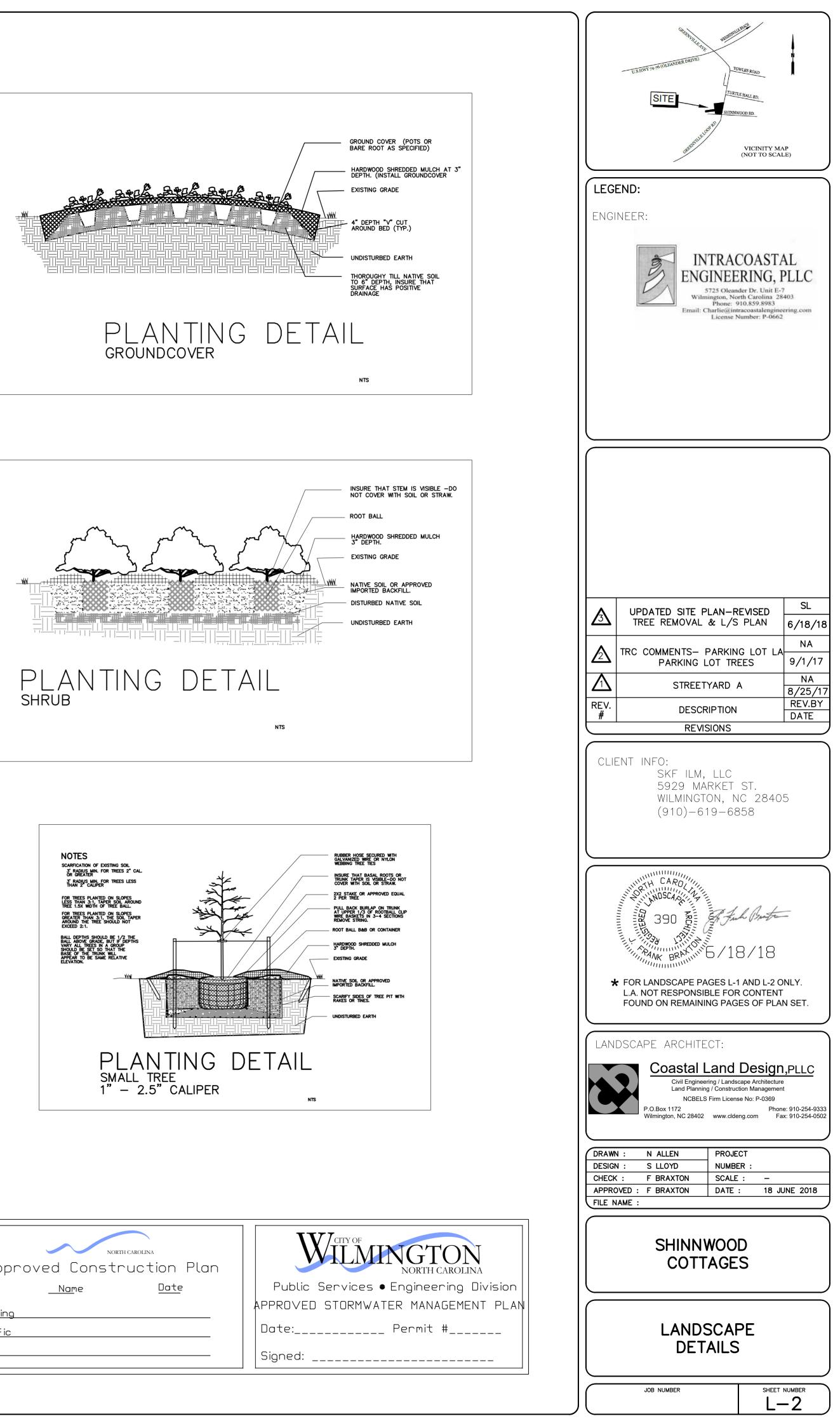
Sec. 18-460 Mitigation: Significant trees . The total number of

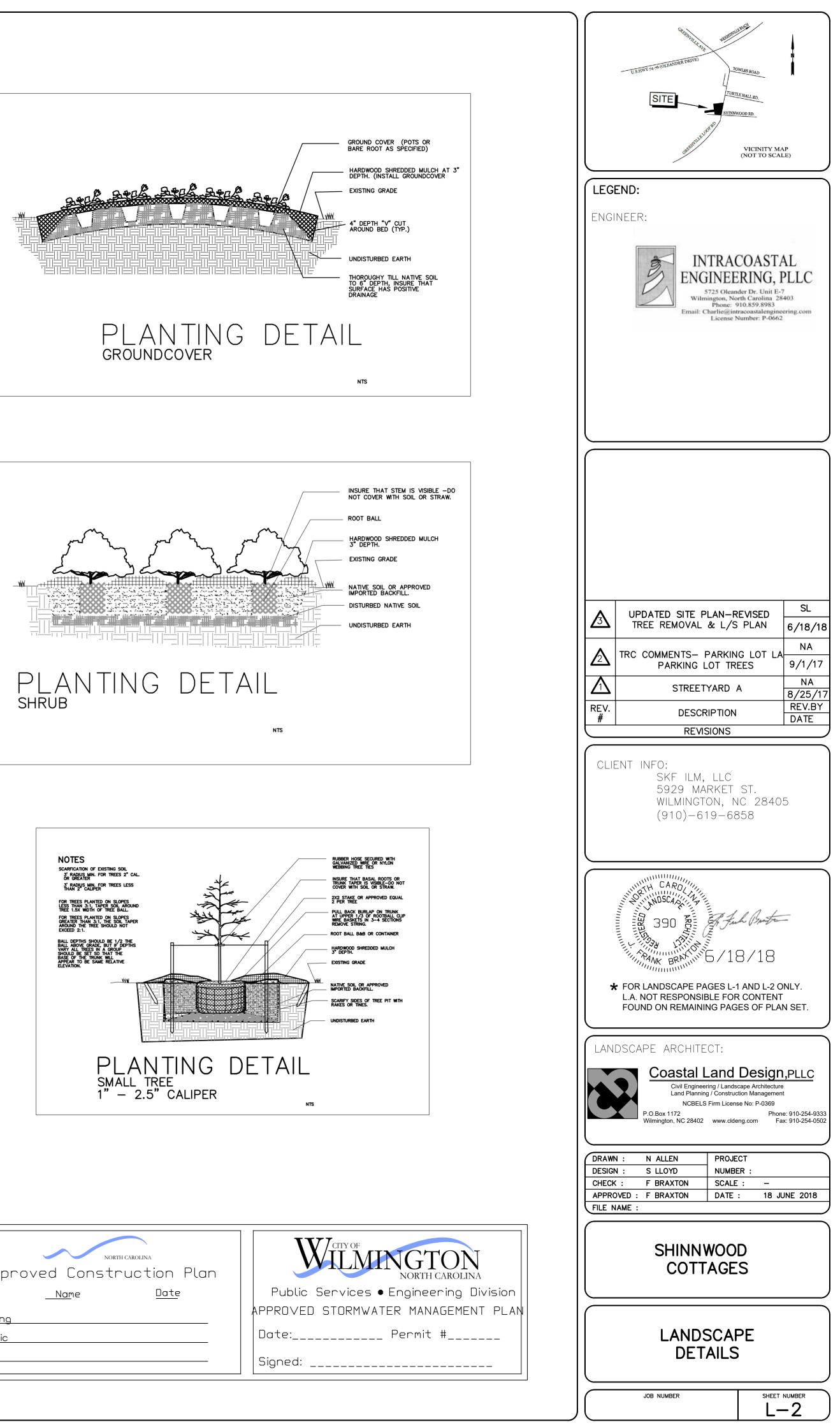
replacement trees shall be determined by multiplying the total DBH of the removed significant trees by two (2) times the

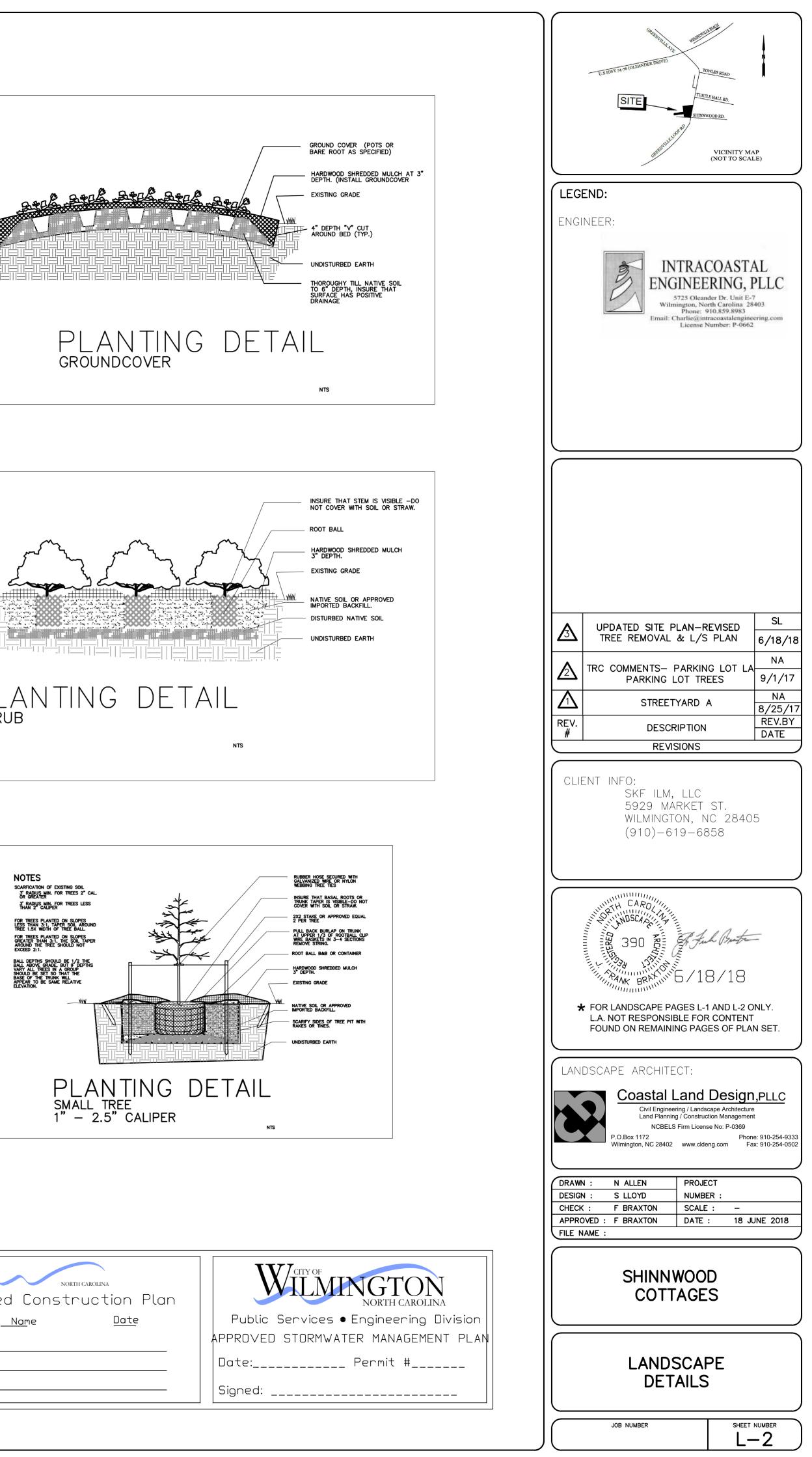
percentage for the type of tree in Table IV and dividing by three

oosed Regulated Trees to be Removed

# of				
Tree Name	Trees	DBH	% Mitigation	Total DBH
Willow	1	12	25	3
Вау	1	12	100	12
Вау	1	16	100	16
Oak	2	8	100	16
Oak	7	10	100	70
Oak	2	12	100	24
Oak	1	14	100	14
Oak	1	15	100	15
Magnolia	1	5	100	5
Magnolia	3	6	100	18
Magnolia	1	7	100	7
Loblolly Pine	1	24	50	12
Loblolly Pine	1	28	50	14
Gum	1	8	75	6
Gum	3	10	75	22.5
Gum	2	11	75	16.5
Gum	1	14	75	10.5
Pine	14	12	100	168
Pine	2	13	100	26
Pine	8	14	100	112
Pine	4	15	100	60
Pine	3	16	100	48
Pine	2	17	100	34
Pine	5	18	100	90
Pine	4	19	100	76
Pine	4	20	100	80
Total DBH of Removed Regulated Trees				975.5
Total Trees Req. for Mitigation	=	<u>Total DBH)</u> 3	K mitigation %	= 326







	NORTH CAROLINA
For each open	Approved Construction Plan
utility cut of City streets, a \$325 permit	<u>Name</u> <u>Date</u>
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City prior to occupancy	Tr <u>affic</u>
and/or project acceptance.	Fin <u>e</u>