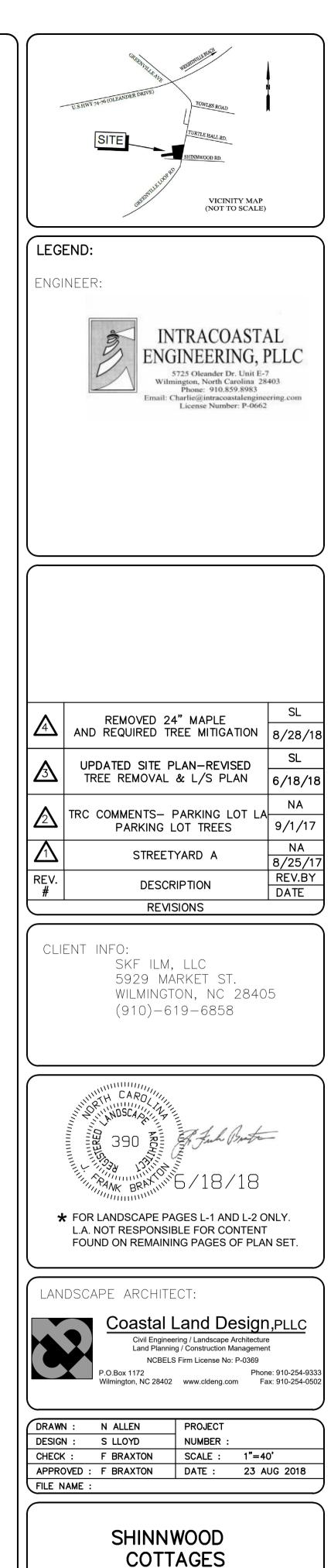


CAL.	HT.	REMARKS	QUAN.	SYMBOL
2.5″		B&B	4	LO
2.5″		B&B	4	CP
2.5″		B&B	4	WO
2.5″		B&B	5	BL
		7 GAL.	11	TO
		З GAL.	25	L-RR
		3 GAL.	63	СН
		1 GAL.	29	DFG
		3 GAL.	45	MS
		7 GAL.	14	WM
		15 GAL.	14	NRS
		З GAL.	9	BAR
		3 GAL.	25	PEN
		7 GAL.	14	PIT
	1 QT.	18″ O.C.	498	LIR
	1 QT.	24″ O.C.	29	RF
	2.5 <b>*</b> 2.5 <b>*</b> 2.5 <b>*</b>	2.5" 2.5" 2.5" 2.5" 2.5" 	2.5"       B&B         3       GAL.         1       OT.         1       OT.	2.5"       B&B       4         2.5"       B&B       5         3.5%       11       25         3.5       5       3.5         3.5       1.4       15         3.5       1.4       14         3.5       3.5       25         3.5       7.5       14         3.5       7.5       14         1.5       1.4       14         1.5       7.5       14         1.5       7.5       14



SHEET NUMBER L-1

\	WILMINGTON	WITH CARD
	Approved Construction Plan	390 Ref July Mosca Antonio 18/18
	<u>Nam</u> e <u>Date</u>	390 And Andrew And Andrew And Andrew And Andrew And
	Plann <u>ing</u>	
	Traffic	MANK BRACHNO / 10/10
	Fin <u>e</u>	★ FOR LANDSCAPE PAGES L-1 AND L-2 C
	WILMINGTON NORTH CAROLINA	L.A. NOT RESPONSIBLE FOR CONTENT FOUND ON REMAINING PAGES OF PLA
/	Public Services • Engineering Division	
	APPROVED STORMWATER MANAGEMENT PLAN	LANDSCAPE ARCHITECT:
	Date: Permit #	Coastal Land Design
\	Signed:	Civil Engineering / Landscape Architecture Land Planning / Construction Managemen
	For each open	NCBELS Firm License No: P-0369 P.O.Box 1172 Phor
\	City streets, a \$325 permit	Wilmington, NC 28402 www.cldeng.com Fa
\	shall be required from the	
\	City prior to occupancy and/or project	DRAWN : N ALLEN PROJECT
	acceptance.	DESIGN : S LLOYD NUMBER : CHECK : F BRAXTON SCALE : 1"=4
\		APPROVED : F BRAXTON DATE : 23 A
10' P.U.E.		FILE NAME :
<u>10 1</u> .0 <u>.E</u> .	• \	
	_	SHINNWOOD
		COTTAGES
	_	
	-	LANDSCAPE PLAN
		JOB NUMBER SHEET

	EENVILLE	E LOOP RD. = E	570 LF - 30			= 640 L	F							
STREET YARD (A)	. REQI	JIRED S.Y. AREA	A = <b>7,680</b> [6	540 LF	× 12 (MU	_TIPLIER)	)]		Proposed	1 Signif	icant Tre	es to be Ren	noved	
STREET TARD (A.	PK0/	VIDED S.Y. ARE≀	·						Tree Name	# of Trees	DBH	and the second s	Total DBH	
		JIRED TREES @ POSED TREES =				2 EX. CAN	NOPY TREE	ES)	Magnolia	1	8	100	16	
		JIRED SHRUBS @							Magnolia	1	10	100	20	
		OSED SHRUBS =							Magnolia	1	11	100	22	
STREET YARD (B)	. REQU	JIRED S.Y. AREA	. = <b>2,034</b> [3;	39 LF	× 12 × .5	]			Magnolia Maple	1	12 24	100 100	24 48	
	PROV	/IDED S.Y. AREA							Loblolly Pine	1	33	50	33	
		IRED TREES @ OSED TREES =				N S.Y.			Total DBH of	Removed Trees	Significant	=	163	
		IRED SHRUBS @ OSED SHRUBS =							Total Trees Req. for Mitigation	=	Total DBH X	2X mitigation %	54.3	
ALL PROPOSED VEO NOT INTERFERE WI 30" - 10' [SEC.18-5] PARKING AREA S PARKING WITHIN 50'	TH CLEAF 666 COVI Creenin	r visual sigh ] <b>1G</b>	IT LINES FRO						replacement tre DBH of the remo percentage for t	es shall b oved signi he type o	e determine ficant trees l f tree in Tabl	es . The total num d by multiplying by two (2) times t e IV and dividing ated Tree	the total he	oved
* SCREEN MIN. 3' HIGH	H AND 5'	WIDE							Tree Name		# of Trees	DBH	% Mitigation	Total DB
PARKING AREA S									Willow		1	12	25	3
									Bay		1	12	100	12
20% SHADE REQ'D A Parking area=									Bay Oak		1 2	16 8	100 100	16 16
SHADING AREA REQ'I									Oak		2	。 10	100	70
SHADING AREA PROV	'IDED=		(SEE PARKI	NG ISI	_AND TABL	E)			Oak		2	10	100	24
FOUNDATION PLA		AREAS A							Oak		1	14	100	14
									Oak		1	15	100	15
REQUIREMENT: FAC# Building height =									Magnolia		1	5	100	5
BUILDING WIDTH (LF		LF							Magnolia		3	6	100	18
REQ'D FOUNDATION I	ANDSCAF		F						Magnolia		1	7	100	7
PROVIDED = 2,637	SF								Loblolly Pin		1	24	50	12
									Loblolly Pin Gum	e	1	28 8	50 75	14 6
				•					Gum		3	8 10	75	22.5
LANDSCAF	'ING F	PARKING IS	3LANDS	$\overline{\mathbf{A}}$					Gum		2	11	75	16.5
				$\neg$					Gum		1	14	75	10.5
ISLAND AREA REQU		PRO∨IDED	SHADE	,					Pine		14	12	100	168
(SF) TREE	2		PROVIDED	,					Pine		2	13	100	26
1 241 1.0	canopy	1 canopy	707 SF						Pine		8	14	100	112
2 301 1 0	canopy	1 canopy	707 SF						Pine		4	15	100	60
	DTES:								Pine Pine		3	16 17	100 100	48
ARKING LUT LANDSLAPE NU	iale plantin	ig islands measuring	g twelve						Pine		2 5	17	100	34 90
ection 18–481 (a) All sir	feet or a	<b>216</b> SF shall have a	at least						Pine		4	19	100	76
<u>ection 18–481 (a)</u> All sir 12) feet by eighteen (18)		<b>2</b> SF shall have at	: least two						Pine		4	20	100	80
<u>ection 18–481 (a)</u> All sir 2) feet by eighteen (18) ne (1) tree. All double p eet by thirty-six (36) f		e canopy thee.							Total DBH o	of Remo	oved Regu	lated Trees		975.5
<u>ection 18–481 (a)</u> All sir 2) feet by eighteen (18) ne (1) tree. All double p eet by thirty-six (36) f														
<u>iection 18–481 (a)</u> All sir 12) feet by eighteen (18) Ine (1) tree. All double pi eet by thirty-six (36) f														
<u>ection 18–481 (a)</u> All sir 12) feet by eighteen (18) ne (1) tree. All double p eet by thirty-six (36) f 2) small mature shade tr	ees or one								Total Trees for Mitigation		=	Total DBH 3	X mitigation %	= 326
ARKING LOT LANDSCAPE N Section 18-481 (a) All sir 12) feet by eighteen (18) one (1) tree. All double pi eet by thirty-six (36) f 2) small mature shade tr ANDSCAPE NOTE 1. ALL LANDSCAPE MATERIAL	ees or one	TALLED PRIOR TO FINAL	L BUILDING INSPECT	TION							=			= 326
ection 18-481 (a) All sir 12) feet by eighteen (18) ne (1) tree. All double pi eet by thirty-six (36) f 2) small mature shade tr ANDSCAPE NOTE 1. ALL LANDSCAPE MATERIAL 2. THE CONTRACTOR SHALL B EXISTING UTILITIES IN	EES OF ONE MUST BE INS E RESPONSIBL		AND/OR RELOCATIO	ON OF					for Mitigation	on Mitigat	_	ated trees . T	he total number	of
<ul> <li><u>ection 18-481 (a)</u> All sir</li> <li>12) feet by eighteen (18)</li> <li>ne (1) tree. All double piet by thirty-six (36) f</li> <li>et by thirty-six (36) f</li> <li>2) small mature shade tr</li> </ul> ANDSCAPE NOTE <ol> <li>ALL LANDSCAPE MATERIAL</li> <li>THE CONTRACTOR SHALL BEXISTING UTILITIES IN COMPANY.</li> <li>CONTRACTOR SHALL NOT S</li> </ol>	S MUST BE INS E RESPONSIBL COORDINATION	LE FOR THE LOCATION AN WITH THE APPROPRIA	AND/OR RELOCATIO	ON OF Y OR	)				for Mitigation Sec. 18-460 / replacement by multiplyi	<b>DN</b> <b>Mitigat</b> t trees ng the	shall be d total DBH	ated trees . The termined for of the remove	1	of s remove e(s) by tl

- 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 TREES
- 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. 3. 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.
- AT THE END OF THE FIRST YEAR ALL PLANT STAKING AND GUYING SYSTEMS SHALL BE REMOVED. PROTECTED TREE REGULATION

FENCING.

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

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.

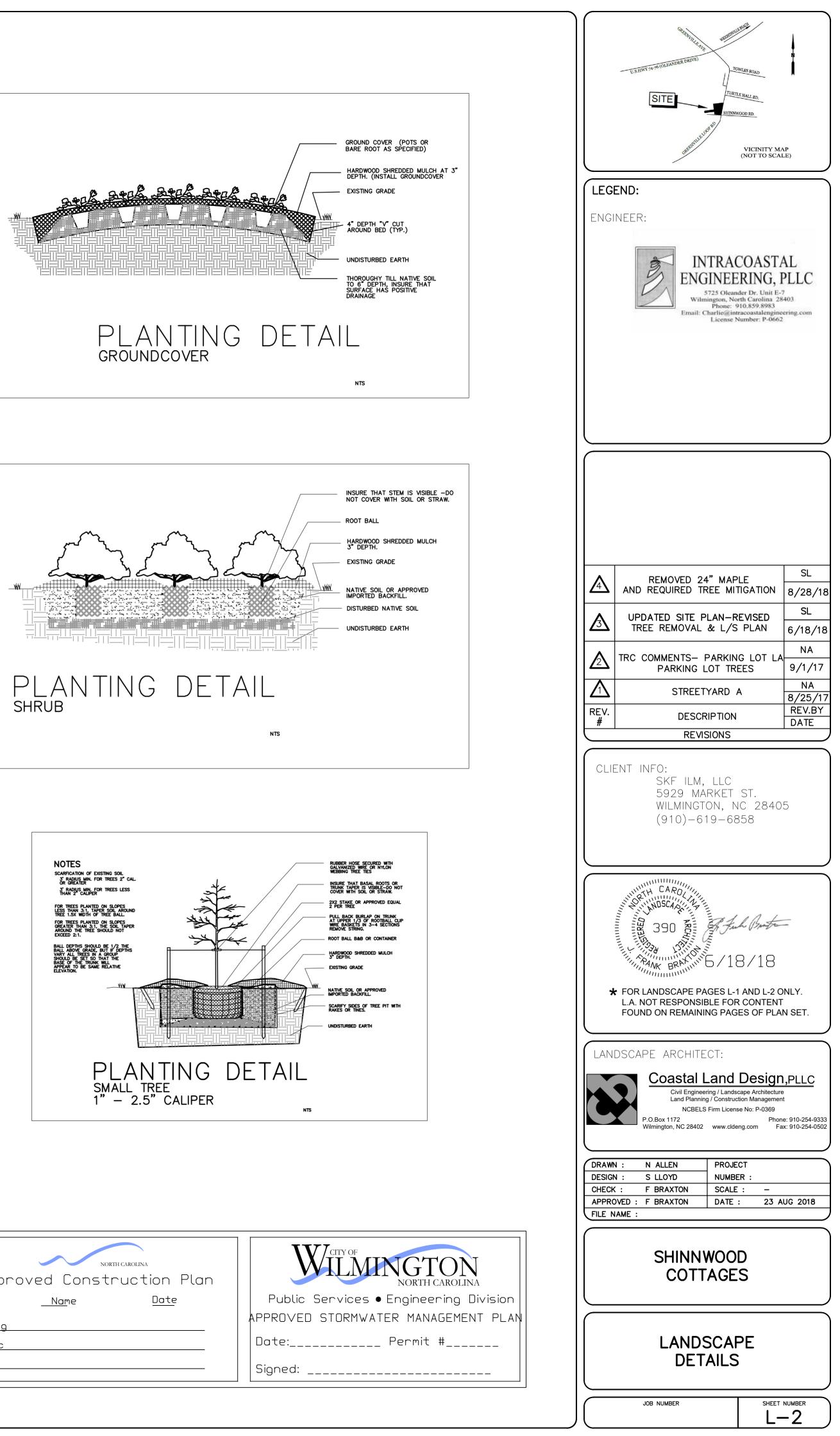
Credit for Preserved Trees (Sec. 18-448 Table 1)						
# of Preserved	Size	Credit Given	Resulting Credit			
Trees	(DBH)	cicult diven	nesaring creat			
5	2-5"	1	5			
52	6-11"	2	104			
72	12-17"	3	216			
14	18-23"	4	56			
21	>24"	= (DBH/6)	98.5			
Total resulting C 164 Preserved		=	479.5			

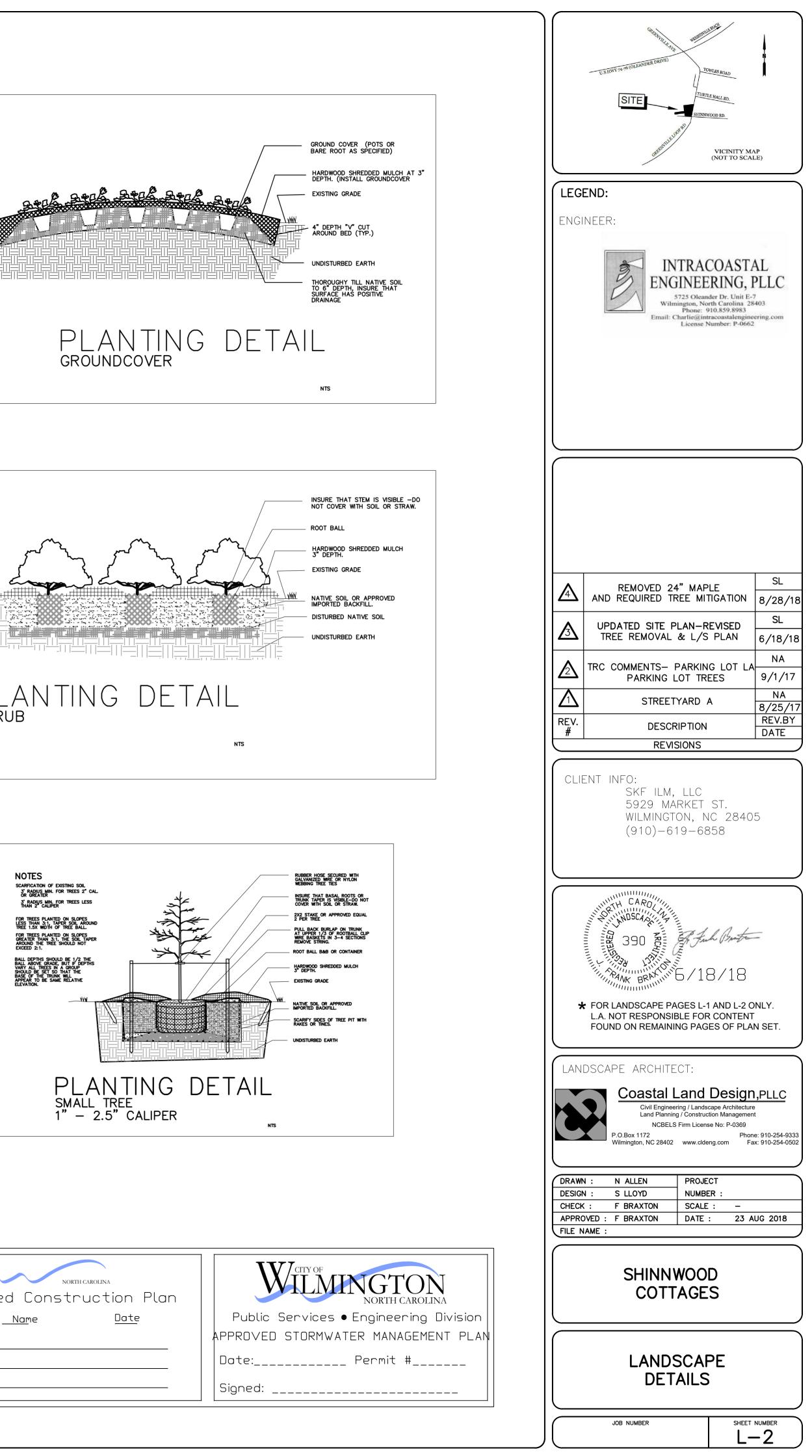
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PRESERVATION CRE MITIGATE REMOVED	DITS HIGHLIGHTED ON L-1 TO 24" MAPLE:
16 TOTAL CREDITS	REQUIRED (24" x 2 / 3" = 16)
PRESERVED TREES	CREDITS
10" MAGNOLIA	2
11" MAGNOLIA	2
16" MAGNOLIA	3
20" MAGNOLIA	4
14" MAPLE	3
28" PINE	4
TOTAL	18

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

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	NORTH CAROLIN/	A
Approved	Construct	ion Plan
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Fir <u>e</u>		