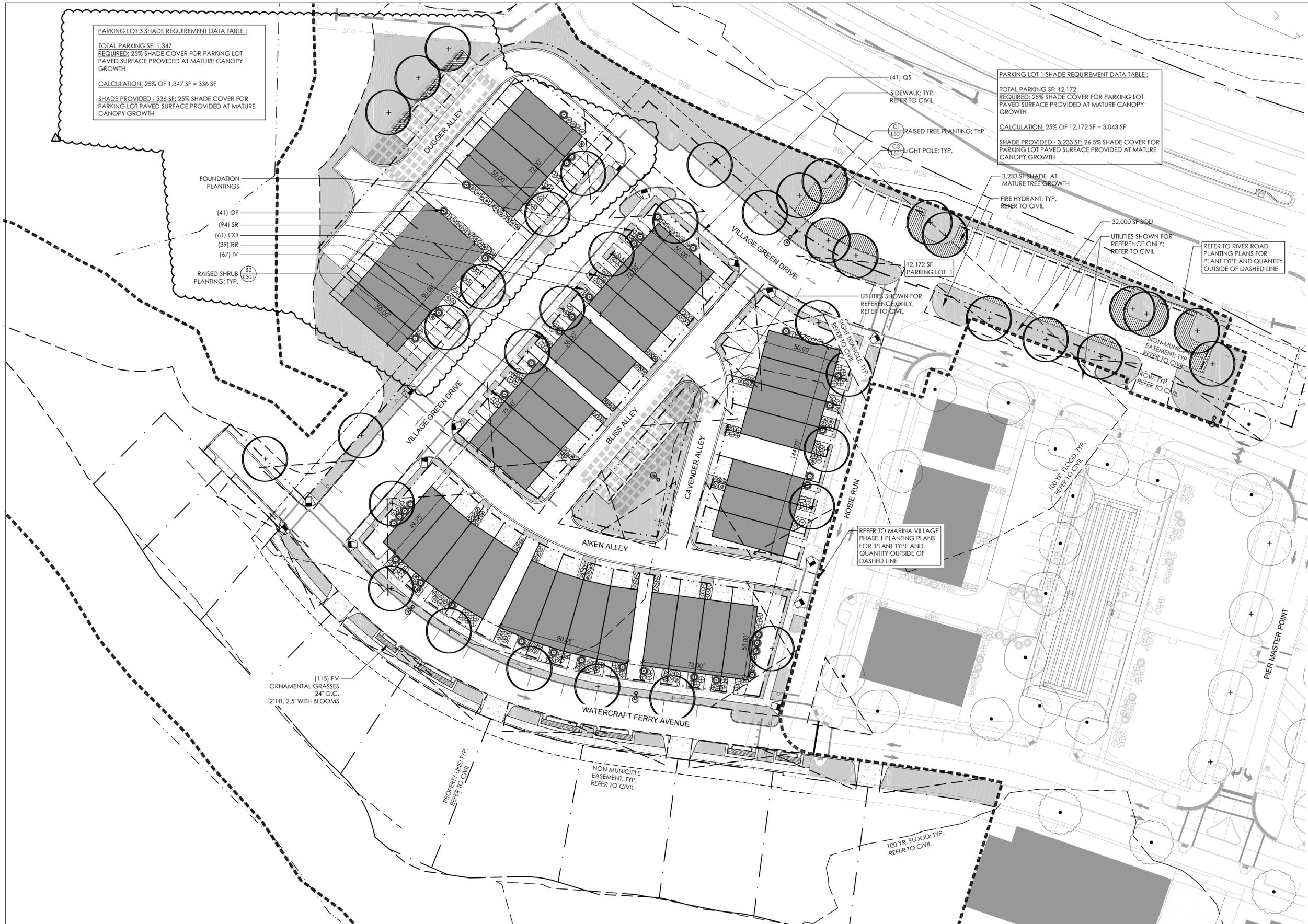


PARKING LOT 3 SHADE REQUIREMENT DATA TABLE:
 TOTAL PARKING SF: 1,347
 REQUIRED: 25% SHADE COVER FOR PARKING LOT PAVED SURFACE PROVIDED AT MATURE CANOPY GROWTH
 CALCULATION: 25% OF 1,347 SF = 336 SF
 SHADE PROVIDED - 336 SF: 25% SHADE COVER FOR PARKING LOT PAVED SURFACE PROVIDED AT MATURE CANOPY GROWTH

PARKING LOT 1 SHADE REQUIREMENT DATA TABLE:
 TOTAL PARKING SF: 12,172
 REQUIRED: 25% SHADE COVER FOR PARKING LOT PAVED SURFACE PROVIDED AT MATURE CANOPY GROWTH
 CALCULATION: 25% OF 12,172 SF = 3,043 SF
 SHADE PROVIDED - 3,233 SF: 26.5% SHADE COVER FOR PARKING LOT PAVED SURFACE PROVIDED AT MATURE CANOPY GROWTH

LEGEND	
	PARKING LOT SHADE REQUIREMENT
	SOD: 419 TIFWAY BERMUDA; SAND BASED SOD
TREES	
	QUERCUS SHUMARDII
SHRUBS	
	SERENOA REPENS
	CHAMAECYPARIS OBTUSA 'NANA' GRACILLIS
	ILEX VOMITORIA OBTUSA 'NANA'
	ROSA 'RADRAZZ'
	OSMANTHUS FORTUNEI
SIGHT LIGHTING	
	LIGHT POLE: TYP. REFER TO DETAIL C3 / L501



FOUNDATION PLANTINGS
 (41) OF
 (94) SR
 (61) CO
 (39) RR
 (67) IV

RAISED SHRUB PLANTING; TYP. (B2) (L501)

(115) PV ORNAMENTAL GRASSES 24" O.C. 2' HT. 2.5' WITH BLOOMS

PROPERTY LINE: TYP. REFER TO CIVIL

NON-MUNICIPAL EASEMENT: TYP. REFER TO CIVIL

REFER TO MARINA VILLAGE PHASE 1 PLANTING PLANS FOR PLANT TYPE AND QUANTITY OUTSIDE OF DASHED LINE

UTILITIES SHOWN FOR REFERENCE ONLY: REFER TO CIVIL

REFER TO RIVER ROAD PLANTING PLANS FOR PLANT TYPE AND QUANTITY OUTSIDE OF DASHED LINE

3,233 SF SHADE AT MATURE TREE GROWTH
 FIRE HYDRANT: TYP. REFER TO CIVIL

UTILITIES SHOWN FOR REFERENCE ONLY: REFER TO CIVIL

SIGHT TRIANGLE: TYP. REFER TO CIVIL

100 YR. FLOOD: TYP. REFER TO CIVIL

100 YR. FLOOD: TYP. REFER TO CIVIL

1 inch

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

Approved Construction Plan

Name	Date
Planning	
Traffic	
Fire	

CITY OF WILMINGTON NORTH CAROLINA
 Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
 Date: _____ Permit # _____
 Signed: _____



REV. NO.	DESCRIPTIONS	DATE
2	REVISION 2	07/26/2016
0	ISSUED FOR CONSTRUCTION	03/22/2016



PLANTING PLAN NORTH
MARINA VILLAGE PHASE 1B

DATE	11/03/2015	SCALE	AS NOTED	DRAWING NUMBER	L161
PROJECT					
DRAWN	JL				
DESIGNED	JC, ED				
CHECKED	JC, ED				
PROJ. MGR.	JC				

CONSTRUCTION DOCUMENTS

PLANTING SCHEDULE: MARINA VILLAGE PHASE 1B

SYM	QTY	BOTANICAL NAME	COMMON NAME	CAL/RT	MIN. HT.	MIN. SPR.	REMARKS
STREET TREES							
QS	70	QUERCUS SHUMARDII	SHUMARD OAK	2-2 1/2'	---	---	STRONG CENTRAL LEADER; NO INCLUDED BARK.
DECIDUOUS SHRUBS							
RR	40	ROSA 'RADRAZZ'	KNOCKOUT ROSE	CONT	12"	12"	FULL DENSE
EVERGREEN SHRUBS							
CO	61	CHAMAECYPARIS OBTUSA 'NANA' GRACILLIS	DWARF HINOKI CYPRESS	CONT	12"	12"	FULL DENSE
IV	67	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY	CONT	12"	12"	FULL DENSE
OF	41	OSMANTHUS FORTUNEI	TEA OLIVE	CONT	12"	12"	FULL DENSE
SR	94	SERENOA REPENS	SAW PALMETTO	CONT	12"	12"	FULL DENSE
ORNAMENTAL GRASSES							
PV	115	PANICUM VIRGATUM 'CAPE BREEZE PP24895'	CAPE BREEZE DWARF SWITCHGRASS	---	---	---	---
SOD							
							419 TIFWAY BERMUDA SAND BASED SOD

PARKING LOT 2 SHADE REQUIREMENT DATA TABLE:
 TOTAL PARKING SF: 16,927
 REQUIRED: 25% SHADE COVER FOR PARKING LOT PAVED SURFACE PROVIDED AT MATURE CANOPY GROWTH
 CALCULATION: 25% OF 17,195 SF = 4,231 SF
 SHADE PROVIDED - 4,231 SF: 25% SHADE COVER FOR PARKING LOT PAVED SURFACE PROVIDED AT MATURE CANOPY GROWTH

REFER TO RIVER ROAD PLANTING PLANS FOR PLANT TYPE AND QUANTITY OUTSIDE OF DASHED LINE
 4,231 SF SHADE AT MATURE GROWTH
 (29) QS

PARKING LOT 4 SHADE REQUIREMENT DATA TABLE:
 TOTAL PARKING SF: 6,958
 REQUIRED: 25% SHADE COVER FOR PARKING LOT PAVED SURFACE PROVIDED AT MATURE CANOPY GROWTH
 CALCULATION: 25% OF 6,958 SF = 1,740 SF
 SHADE PROVIDED - 700 SF: 10% SHADE COVER FOR PARKING LOT PAVED SURFACE PROVIDED AT MATURE CANOPY GROWTH

PARKING LOT 3 SHADE REQUIREMENT DATA TABLE:
 TOTAL PARKING SF: 6,019
 REQUIRED: 25% SHADE COVER FOR PARKING LOT PAVED SURFACE PROVIDED AT MATURE CANOPY GROWTH
 CALCULATION: 25% OF 6,019 SF = 1,500 SF
 SHADE PROVIDED - 0 SF: 0% SHADE COVER FOR PARKING LOT PAVED SURFACE PROVIDED AT MATURE CANOPY GROWTH

LEGEND

	PARKING LOT SHADE REQUIREMENT
	SOD: 419 TIFWAY BERMUDA; SAND BASED SOD
TREES	
	QUERCUS SHUMARDII
SHRUBS	
	SERENOA REPENS
	CHAMAECYPARIS OBTUSA 'NANA' GRACILLIS
	ILEX VOMITORIA OBTUSA 'NANA'
	ROSA 'RADRAZZ'
	OSMANTHUS FORTUNEI
SIGHT LIGHTING	
	LIGHT POLE; TYP. REFER TO DETAIL C3 / L501

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

Approved Construction Plan

Name: _____ Date: _____

Planning: _____

Traffic: _____

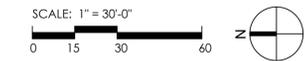
Fire: _____

CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____

Signed: _____



REV. NO.	DESCRIPTIONS	DATE
2	REVISION 2	07/20/2016
0	ISSUED FOR CONSTRUCTION	03/02/2016



MCKIM & CREED

License: F-1222
 www.mckimcreed.com

Surface

Surface 875, P.A.
 215 Morris Street, Suite 100
 Durham, NC 27701
 www.surface875.com
 P: 919-475-1100
 F: 919-475-1800

RIVERLIGHTS
 by Newland COMMUNITIES

PLANTING PLAN SOUTH

MARINA VILLAGE PHASE 1B

DATE	11/03/2015	SCALE	AS NOTED
PROJECT		DRAWING NUMBER	L162
DRAWN	JL		
DESIGNED	JC, ED		
CHECKED	JC, ED		
PROJ. MGR.	JC		

CONSTRUCTION DOCUMENTS