

| No. | Revision | Date | By |
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|-----------|--------|---------|--------------|
| Designer  | GSP    | Scale   | 1" = 30'     |
| Drawn By  | GSP    | Date    | October 2015 |
| License # | P-0718 | Job No. | 2015-0006    |

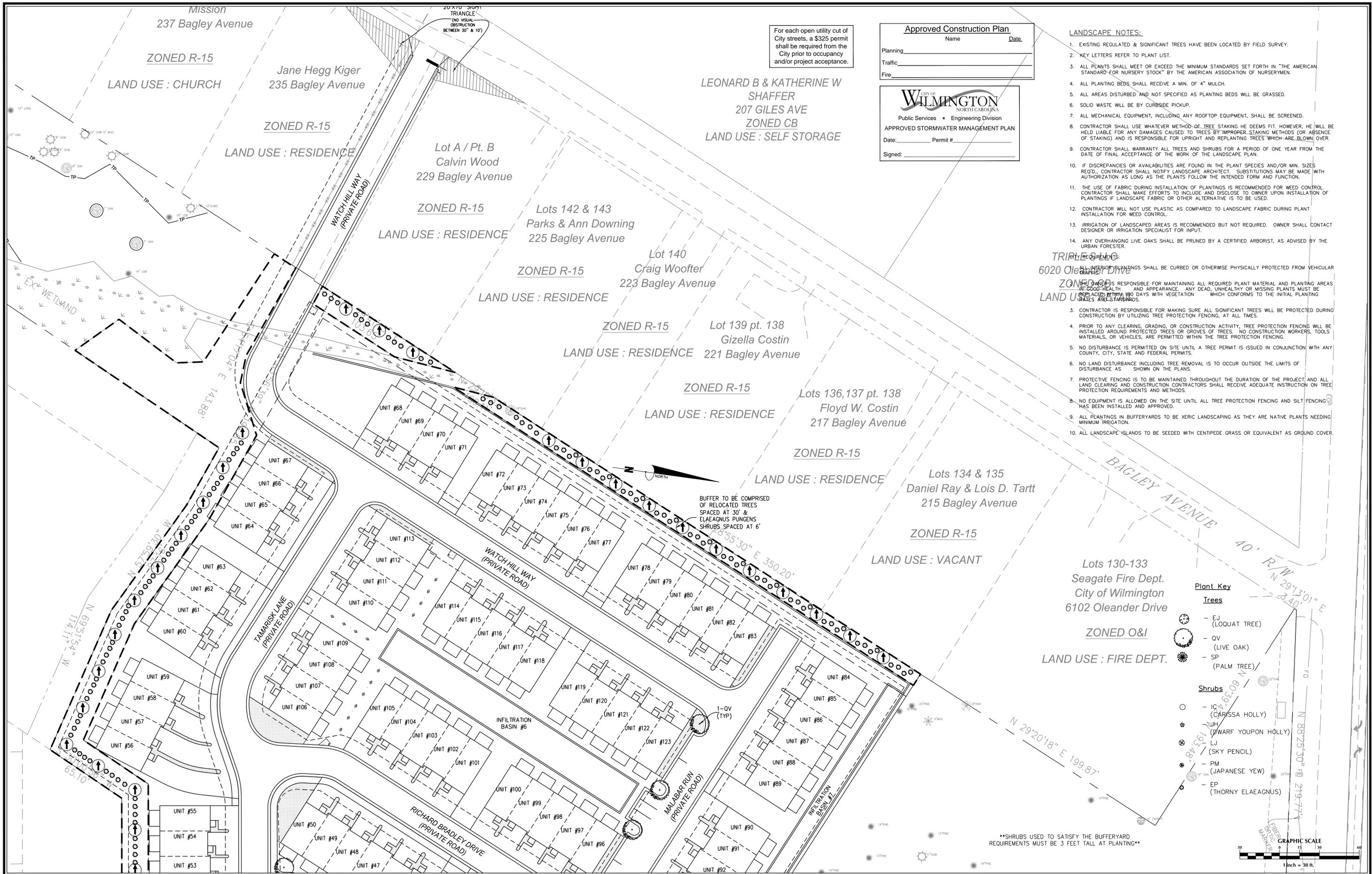
**SUMMERWALK - PHASE 1**  
New Hanover County North Carolina

**LANDSCAPE PLAN**

PREPARED FOR:  
Summerwalk Development, LLC  
6105 Oleander Drive  
Suite 201  
Wilmington, NC 28403

**GSP CONSULTING, PLLC**  
ENGINEERING  
6626 Gordon Road Unit C Wilmington, North Carolina 28411 tel: 910-442-7870 fax: 910-799-6659

Sheet No.  
**L-1**



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

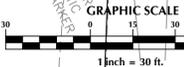
Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

- LANDSCAPE NOTES:**
- EXISTING REGULATED & SIGNIFICANT TREES HAVE BEEN LOCATED BY FIELD SURVEY.
  - KEY LETTERS REFER TO PLANT LIST.
  - ALL PLANTS SHALL MEET OR EXCEED THE MINIMUM STANDARDS SET FORTH IN "THE AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
  - ALL PLANTING BEDS SHALL RECEIVE A MIN. OF 4" MULCH.
  - ALL AREAS DISTURBED AND NOT SPECIFIED AS PLANTING BEDS WILL BE GRASSED.
  - SOLID WASTE WILL BE BY CURBSIDE PICKUP.
  - ALL MECHANICAL EQUIPMENT, INCLUDING ANY ROOFTOP EQUIPMENT, SHALL BE SCREENED.
  - CONTRACTOR SHALL USE WHATEVER METHOD OF TREE STAKING HE DEEMS FIT. HOWEVER, HE WILL BE HELD LIABLE FOR ANY DAMAGES CAUSED TO TREES BY IMPROPER STAKING METHODS (OR ABSENCE OF STAKING) AND IS RESPONSIBLE FOR UPRIGHT AND REPLANTING TREES WHICH ARE BLOWN OVER.
  - CONTRACTOR SHALL WARRANT ALL TREES AND SHRUBS FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK OF THE LANDSCAPE PLAN.
  - IF DISCREPANCIES OR AVAILABILITIES ARE FOUND IN THE PLANT SPECIES AND/OR MIN. SIZES RECD., CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT. SUBSTITUTIONS MAY BE MADE WITH AUTHORIZATION AS LONG AS THE PLANTS FOLLOW THE INTENDED FORM AND FUNCTION.
  - THE USE OF FABRIC DURING INSTALLATION OF PLANTINGS IS RECOMMENDED FOR WEED CONTROL. CONTRACTOR SHALL MAKE EFFORTS TO INCLUDE AND DISCLOSE TO OWNER UPON INSTALLATION OF PLANTINGS IF LANDSCAPE FABRIC OR OTHER ALTERNATIVE IS TO BE USED.
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  - IRRIGATION OF LANDSCAPED AREAS IS RECOMMENDED BUT NOT REQUIRED. OWNER SHALL CONTACT DESIGNER OR IRRIGATION SPECIALIST FOR INPUT.
  - ANY OVERHANGING LIVE OAKS SHALL BE PRUNED BY A CERTIFIED ARBORIST, AS ADVISED BY THE URBAN FORESTER.
- TRIPLE PERMITS:**
- ALL INTERIOR PLANTINGS SHALL BE CURBED OR OTHERWISE PHYSICALLY PROTECTED FROM VEHICULAR TRAFFIC.
- CONTRACTOR RESPONSIBILITIES:**
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- Plant Key**
- Trees**
- EJ (LOQUAT TREE)
  - QV (LIVE OAK)
  - SP (PALM TREE)
- Shrubs**
- IC (CARISSA HOLLY)
  - JH (DWARF YOUNG HOLLY)
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**SUMMERWALK - PHASE 1**

Wilmington New Hanover County North Carolina

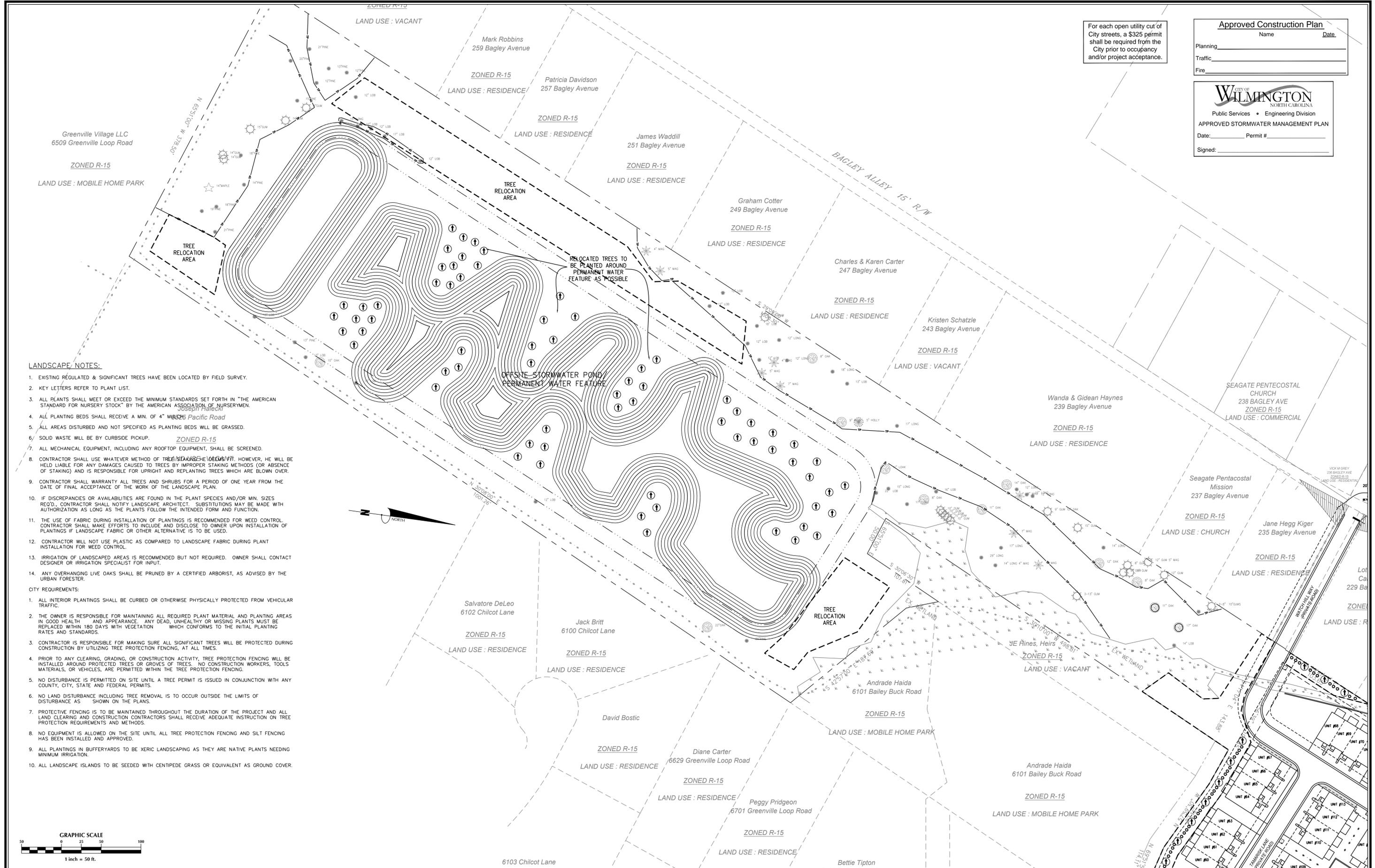
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Sheet No.  
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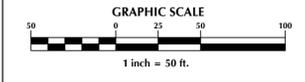
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**CITY OF WILMINGTON**  
NORTH CAROLINA  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit #: \_\_\_\_\_

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| No. | Revision | Date | By | Designer<br>GSP     | Scale<br>1" = 50'    | <b>SUMMERWALK - PHASE 1</b> | <b>LANDSCAPE PLAN</b> | PREPARED FOR:<br>Summerwalk Development, LLC<br>6105 Oleander Drive<br>Suite 201<br>Wilmington, NC 28403 | <b>GSP CONSULTING, PLLC</b><br>ENGINEERING | 6626 Gordon Road Unit C Wilmington, North Carolina 28411 tel: 910-442-7870 fax: 910-799-6659 | Sheet No.<br><b>L-3</b> |
|     |          |      |    | Drawn By<br>GSP     | Date<br>October 2015 |                             |                       |  |  |  |                         |
|     |          |      |    | License #<br>P-0718 | Job No.<br>2015-0006 |                             |                       |  |  |  |                         |

Wilmington New Hanover County North Carolina

TYPICAL FOUNDATION PLANTINGS

| KEY  | NO. | BOTANICAL NAME                | COMMON NAME      | MIN. SIZE               | PLANTING REMARKS |
|------|-----|-------------------------------|------------------|-------------------------|------------------|
| SP   | 120 | SABAL PALMETTO                | PALM TREE        | 8'-10" HL.              | SPACING AS SHOWN |
| QV   | 9   | QUERCUS VIRGINIANA            | LIVE OAK         | 8'-10" HL.<br>2.5" CAL. | SPACING AS SHOWN |
| EJ   | 120 | ERIOBOTRYA JAPONICA           | LOQUAT TREE      | 3.4 GAL.                | SPACING AS SHOWN |
| PM   | 379 | PODOCARPUS MACROPHYLLUS       | JAPANESE YEW     | 2 GAL.                  | SPACING AS SHOWN |
| IC   | 426 | ILEX CORNUTA 'CARISSA'        | CARISSA HOLLY    | 3 GAL.                  | 4' O.C.          |
| JH   | 104 | ILEX CRENATA 'JAPANESE HOLLY' | SKY PENCIL       | 3 GAL.                  | 4' O.C.          |
| LJ   | 55  | LIGUSTRUM JAPONICUM           | JAPANESE PRIVET  | 2 GAL.                  | 4' O.C.          |
| EP** | 180 | ELAEAGNUS PUNGENS             | THORNY ELAEAGNUS | 3" AT PLANTING          | 6'-8" O.C.       |

O.C. - "ON CENTER" CAL. - "CALIPER AT 6" ABOVE GRADE" GAL. - "GALLON CONTAINER" MIN. PLANTING SIZE: SHADE TREES=2-2.5" CAL. MULTI-STEM= 8-10' SHRUBS= 12"

\*\*SHRUBS USED TO SATISFY THE BUFFERYARD REQUIREMENTS MUST BE 3 FEET TALL AT PLANTING\*\*

Plant Key

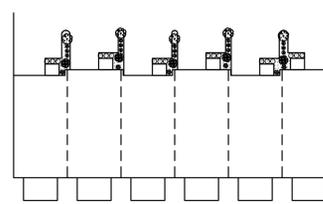
Trees

- EJ (LOQUAT TREE)
- QV (LIVE OAK)
- SP (PALM TREE)

Shrubs

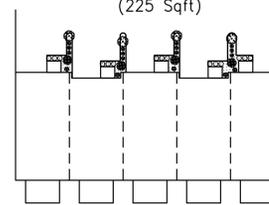
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5-EJ  
15-PM  
5-SP  
18-IC  
6-JH  
(284 Sqft)



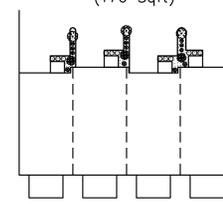
6-UNIT

4-EJ  
12-PM  
4-SP  
15-IC  
5-JH  
(225 Sqft)



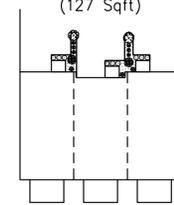
5-UNIT

3-EJ  
9-PM  
3-SP  
12-IC  
4-JH  
(176 Sqft)



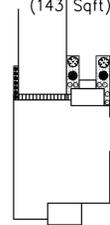
4-UNIT

2-EJ  
6-PM  
2-SP  
9-IC  
3-JH  
(127 Sqft)

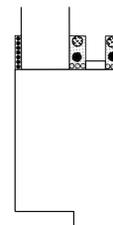


3-UNIT

2-EJ  
7-PM  
2-SP  
6-IC  
(143 Sqft)



2-EJ  
7-PM  
2-SP  
6-IC  
(156 Sqft)



|   | Req'd.  | Prov'd.  |
|---|---|--|
| Oleander Drive Streetyard<br>503 l.f. frontage = 58' driveways<br>=4451 l.f. X 18 (CB District factor)                            | 8,010 s.f.                                      | TO BE COMPLETED WITH PHASE 2                               |
| ● 1 tree / 600 s.f.<br>● 6 shrubs / 600 s.f.  | 13<br>80  |  |
| Greenville Loop Road Secondary Streetyard<br>732 l.f. frontage = 120' driveways<br>=612 l.f. X 9 (WF District factor)             | 5,508 s.f.                                      | 6,793 s.f.   |
| ● 1 tree / 600 s.f.<br>● 6 shrubs / 600 s.f.  | 9<br>55   | 9<br>55  |
| Bufferyards -<br>1,460 l.f. buffer length<br>● 1 tree / 30 l.f.   | 49  | 49   |
| Foundation Plantings -<br>TOWNHOME BUILDINGS - 2,198 l.f. X 30' facade X 12%<br>SINGLE FAMILY HOMES - 682 l.f. X 35' facade X 12% | 7,913 s.f.<br>2,864 s.f.<br>10,777 s.f. (TOTAL) | 9,100 s.f.<br>2,873 s.f.<br>11,973 s.f. (TOTAL)            |
| Overall Development Area -<br>20.19 ac.± Phase 1 development area x 15 trees/ac.  | 303   | 173 PROPOSED<br>216 EXISTING<br>168 RELOCATED<br>557 TOTAL |

(Note: All regulated & significant trees have been field located and are labeled.)

| TREE TO BE REMOVED | DIAMETER (in) | # OF TREES REQUIRED |
|--------------------|---------------|---------------------|
| MAGNOLIA           | 12            | 8                   |
| MAGNOLIA           | 18            | 12                  |
| SYCAMORE           | 27            | 18                  |
| <b>TOTAL</b>       |               | <b>38*</b>          |

\*EXISTING TREES 2"-5" DBH TO BE RETAINED ON SITE AND SUPPLEMENTED WITH 168 RELOCATED TREES

| TREE TO BE REMOVED | # OF TREES | # OF TREES REQUIRED |
|--------------------|------------|---------------------|
| 12" MAGNOLIA       | 1          | 8                   |
| 18" MAGNOLIA       | 1          | 12                  |
| 11" OAK            | 1          | 4                   |
| 12" OAK            | 1          | 4                   |
| 13" OAK            | 1          | 4                   |
| 16" OAK            | 1          | 5                   |
| 12" PINE           | 35         | 70                  |
| 13" PINE           | 7          | 15                  |
| 14" PINE           | 4          | 9                   |
| 15" PINE           | 2          | 5                   |
| 16" PINE           | 5          | 13                  |
| 17" PINE           | 1          | 3                   |
| 18" PINE           | 3          | 9                   |
| 19" PINE           | 1          | 3                   |
| 21" PINE           | 1          | 4                   |
| 22" PINE           | 1          | 4                   |
| 25" PINE           | 1          | 4                   |
| <b>TOTAL</b>       |            | <b>177*</b>         |

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Sheet No.

**L-4**