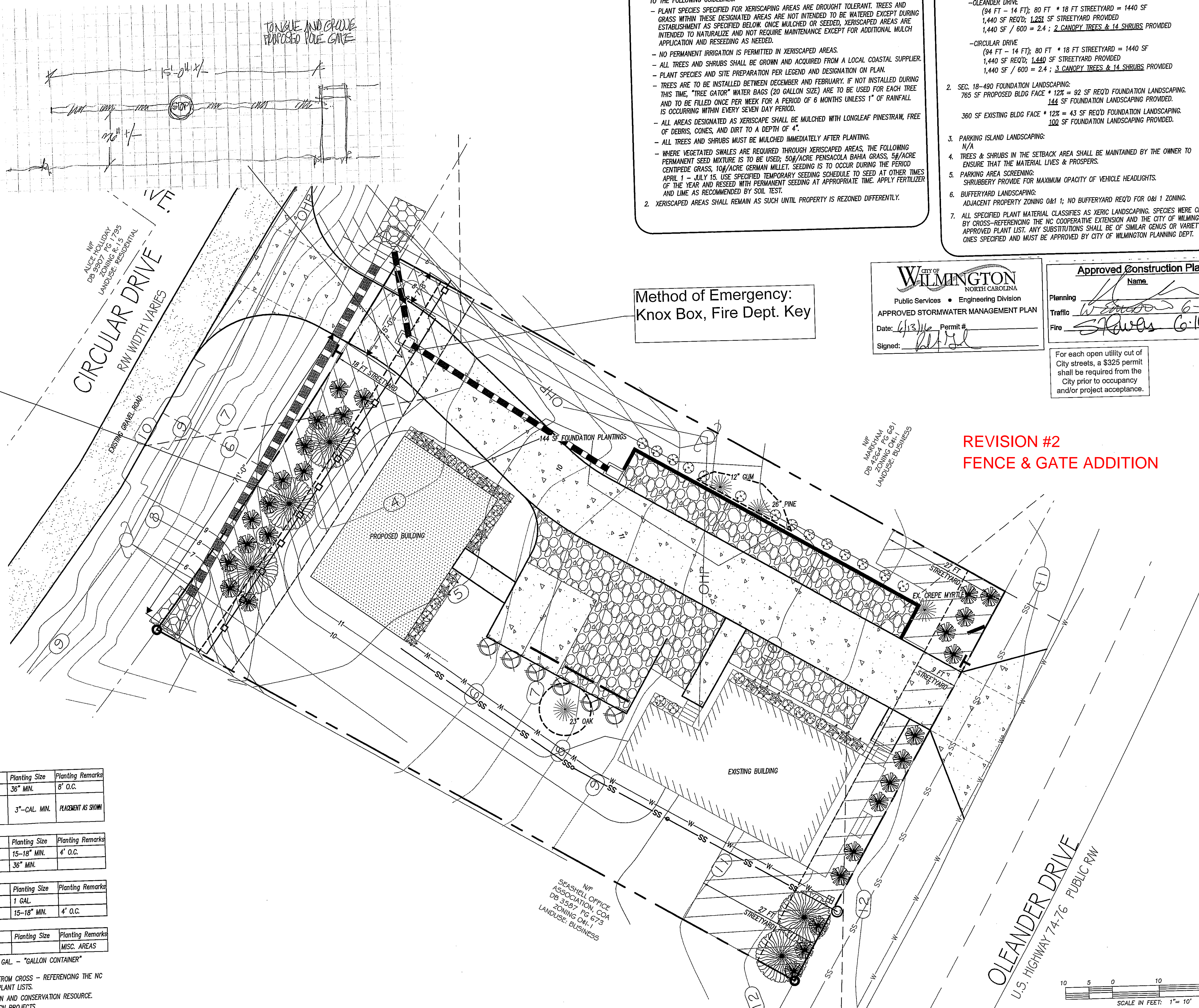
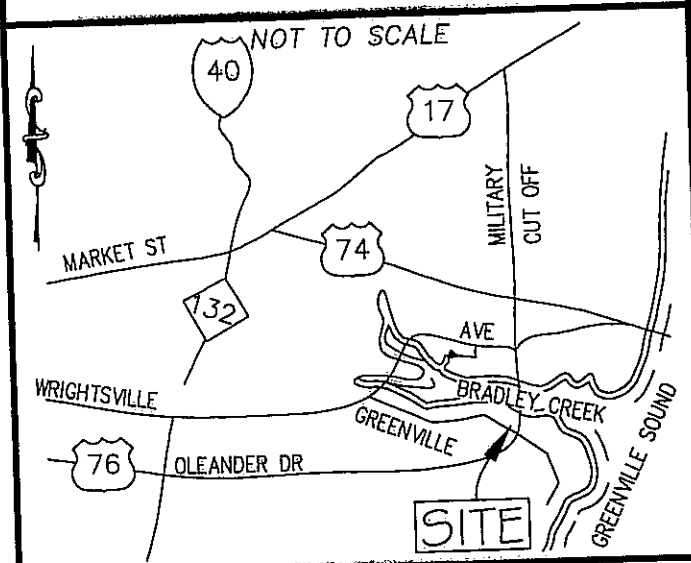


**LOCATION MAP**

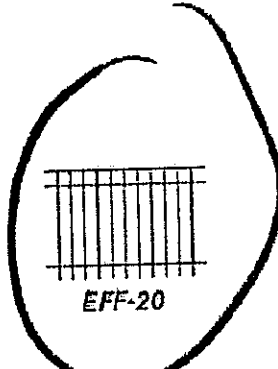


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  - PLANT SPECIES SPECIFIED FOR XERISCAPING ARE DROUGHT TOLERANT. TREES AND GRASS WITHIN THESE DESIGNATED AREAS ARE NOT INTENDED TO BE WATERED EXCEPT DURING ESTABLISHMENT AS SPECIFIED BELOW. ONCE MULCHED OR SEEDED, XERISCAPED AREAS ARE INTENDED TO NATURALIZE AND NOT REQUIRE MAINTENANCE EXCEPT FOR ADDITIONAL MULCH APPLICATION AND RESEEDING AS NEEDED.
  - NO PERMANENT IRRIGATION IS PERMITTED IN XERISCAPED AREAS.
  - ALL TREES AND SHRUBS SHALL BE GROWN AND ACQUIRED FROM A LOCAL COASTAL SUPPLIER.
  - PLANT SPECIES AND SITE PREPARATION PER LEGEND AND DESIGNATION ON PLAN.
  - TREES ARE TO BE INSTALLED BETWEEN DECEMBER AND FEBRUARY. IF NOT INSTALLED DURING THIS TIME, "TREE GATOR" WATER BAGS (20 GALLON SIZE) ARE TO BE USED FOR EACH TREE AND TO BE FILLED ONCE PER WEEK FOR A PERIOD OF 6 MONTHS UNLESS 1" OF RAINFALL IS OCCURRING WITHIN EVERY SEVEN DAY PERIOD.
  - ALL AREAS DESIGNATED AS XERISCAPE SHALL BE MULCHED WITH LONGLEAF PINESTRAW, FREE OF DEBRIS, CONES, AND DIRT TO A DEPTH OF 4".
  - ALL TREES AND SHRUBS MUST BE MULCHED IMMEDIATELY AFTER PLANTING.
  - WHERE VEGETATED SWALES ARE REQUIRED THROUGH XERISCAPED AREAS, THE FOLLOWING PERMANENT SEED MIXTURE IS TO BE USED; 50#/ACRE PENSACOLA BAHIA GRASS, 5#/ACRE CENTIPEDE GRASS, 10#/ACRE GERMAN MILLET. SEEDING IS TO OCCUR DURING THE PERIOD APRIL 1 - JULY 15. USE SPECIFIED TEMPORARY SEEDING SCHEDULE TO SEED AT OTHER TIMES OF THE YEAR AND RESEED WITH PERMANENT SEEDING AT APPROPRIATE TIME. APPLY FERTILIZER AND LIME AS RECOMMENDED BY SOIL TEST.
- XERISCAPED AREAS SHALL REMAIN AS SUCH UNTIL PROPERTY IS REZONED DIFFERENTLY.

**LANDSCAPE CALCULATIONS:**

- STREETYARD LANDSCAPING:
  - 1 TREE AND 6 SHRUBS PER 600 SF;
    - CLEANDER DRIVE (94 FT - 14 FT); 80 FT \* 18 FT STREETYARD = 1440 SF 1,440 SF REQ'D; 1,251 SF STREETYARD PROVIDED 1,440 SF / 600 = 2.4 ; 2 CANOPY TREES & 14 SHRUBS PROVIDED
    - CIRCULAR DRIVE (94 FT - 14 FT); 80 FT \* 18 FT STREETYARD = 1440 SF 1,440 SF REQ'D; 1,440 SF STREETYARD PROVIDED 1,440 SF / 600 = 2.4 ; 3 CANOPY TREES & 14 SHRUBS PROVIDED
- SEC. 18-490 FOUNDATION LANDSCAPING:
  - 765 SF PROPOSED BLDG FACE \* 12% = 92 SF REQ'D FOUNDATION LANDSCAPING. 144 SF FOUNDATION LANDSCAPING PROVIDED.
  - 360 SF EXISTING BLDG FACE \* 12% = 43 SF REQ'D FOUNDATION LANDSCAPING. 100 SF FOUNDATION LANDSCAPING PROVIDED.
- PARKING ISLAND LANDSCAPING:
  - N/A
- TREES & SHRUBS IN THE SETBACK AREA SHALL BE MAINTAINED BY THE OWNER TO ENSURE THAT THE MATERIAL LIVES & PROSPERS.
- PARKING AREA SCREENING:
  - SHRUBBERY PROVIDE FOR MAXIMUM OPACITY OF VEHICLE HEADLIGHTS.
- BUFFERYARD LANDSCAPING:
  - ADJACENT PROPERTY ZONING O&I 1; NO BUFFERYARD REQ'D FOR O&I 1 ZONING.
- ALL SPECIFIED PLANT MATERIAL CLASSIFIES AS XERIC LANDSCAPING. SPECIES WERE CHOSEN BY CROSS-REFERENCING THE NC COOPERATIVE EXTENSION AND THE CITY OF WILMINGTON'S APPROVED PLANT LIST. ANY SUBSTITUTIONS SHALL BE OF SIMILAR GENUS OR VARIETY AS THE ONES SPECIFIED AND MUST BE APPROVED BY CITY OF WILMINGTON PLANNING DEPT.



**COLORS**

- Black
- White
- Quaker Bronze
- Beige

Method of Emergency:  
Knox Box, Fire Dept. Key

**CITY OF WILMINGTON**  
NORTH CAROLINA  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN  
Date: 6/13/16 Permit #:  
Signed: [Signature]

**Approved Construction Plan**  
Name: [Signature] Date: 6/16/16  
Planning: [Signature] 6-10-16  
Traffic: [Signature] 6-10-16  
Fire: [Signature] 6-16-16

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

**REVISION #2**  
**FENCE & GATE ADDITION**

**Proposed Plant Table**

BUFFER & SCREENING PLANTINGS					
Quantity	Symbol	Scientific Name	Common Name	Planting Size	Planting Remarks
18	[Symbol]	<i>Ilex vomitoria</i>	YAUPOH HOLLY	36" MIN.	8' O.C.
5	[Symbol]	<i>Quercus virginiana</i>	SOUTHERN LIVE OAK	3"-CAL. MIN.	PLACEMENT AS SHOWN
PARKING LOT SCREENING					
Quantity	Symbol	Scientific Name	Common Name	Planting Size	Planting Remarks
14	[Symbol]	<i>Abelia grandifolia</i>	GLOSSY ABELIA	15-18" MIN.	4' O.C.
7	[Symbol]	<i>Myrica cerifera</i>	WAX MYRTLE	36" MIN.	
FOUNDATION PLANTINGS					
Quantity	Symbol	Scientific Name	Common Name	Planting Size	Planting Remarks
18	[Symbol]	<i>Juniperus squamata</i>	BLUE STAR JUNIPER	1 GAL.	
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Grasses					
Quantity	Symbol	Scientific Name	Common Name	Planting Size	Planting Remarks
N/A		<i>Cynodon dactylon</i>	BERMUDA GRASS		MISC. AREAS

O.C. - "ON CENTER" CAL. - "CALIPER AT 6" ABOVE GRADE" GAL. - "GALLON CONTAINER"

- ALL PLANTS SELECTED ARE DROUGHT TOLERANT AND CHOSEN FROM CROSS - REFERENCING THE NC COOPERATIVE EXTENSION AND CITY OF WILMINGTON APPROVED PLANT LISTS.
- CAMA LAND CLASSIFICATION: WATERSHED RESOURCE PROTECTION AND CONSERVATION RESOURCE.
- LANDSCAPE DESIGN TO MEET ARTICLE 10: EXCEPTIONALLY DESIGN PROJECTS
- PER ARTICLE 10: EXCEPTIONAL DESIGN CREDIT IS BEING SOUGHT FOR USE OF XERIC LANDSCAPING PLANTS.
- 100% OF PLANT MATERIAL LISTED MEETS XERIC LANDSCAPING REQUIREMENTS OUTLINED IN ARTICLE 10 OF THE LDC

**COASTAL SITE DESIGN, PC**  
ENGINEERING LAND PLANNING COMMERCIAL / RESIDENTIAL  
P.O. Box 4041  
Wilmington, NC 28406  
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LANDSCAPE PLAN FOR  
**TONGUE AND GROOVE OFFICE**

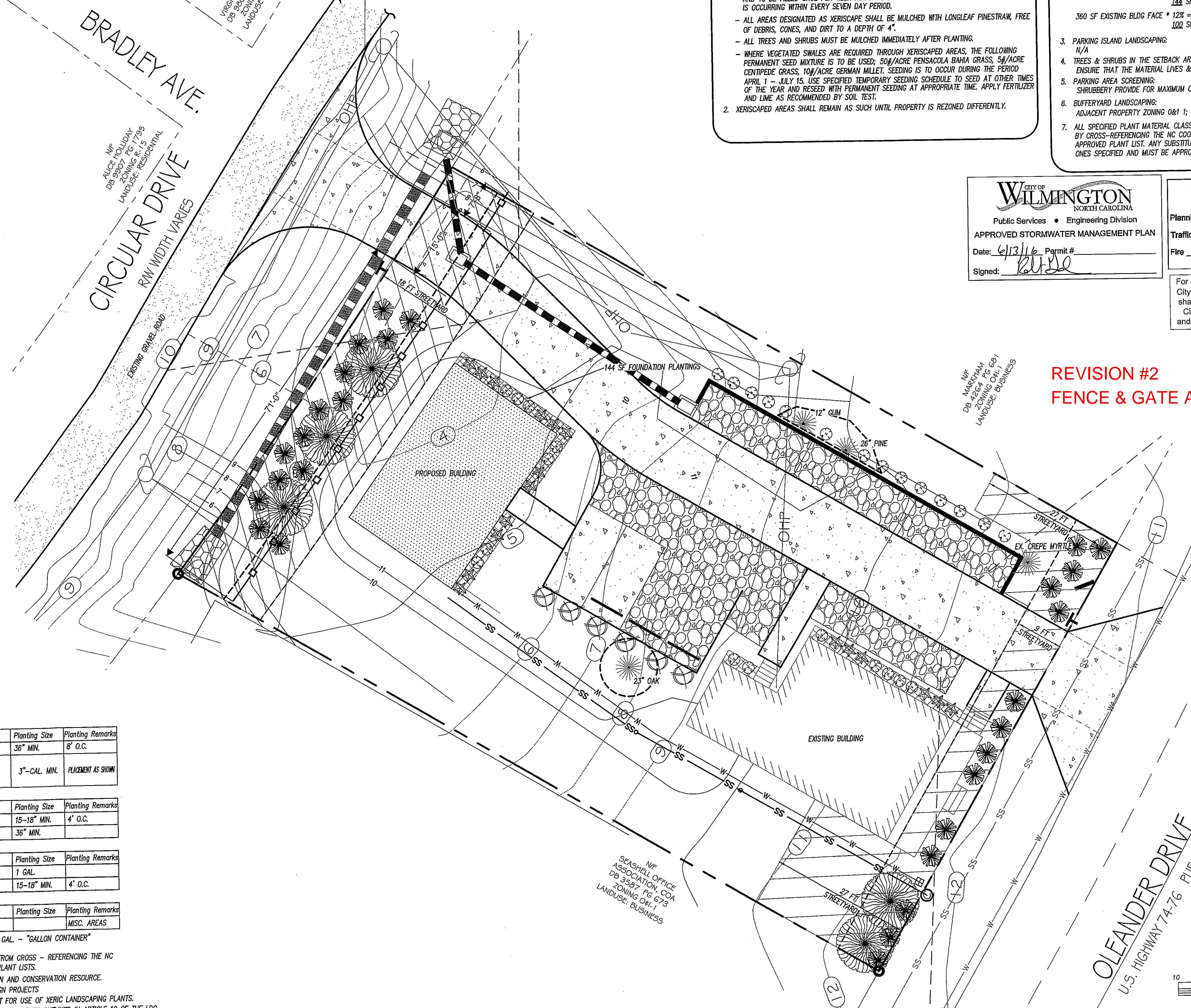
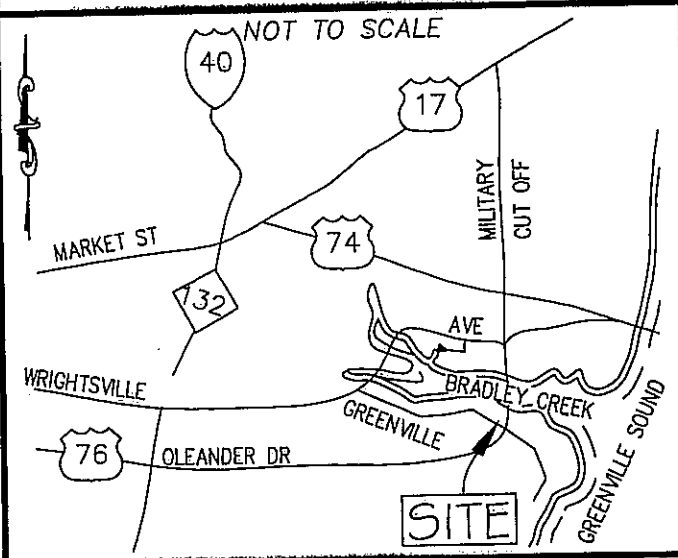
LANDSCAPE PLAN FOR  
**TONGUE AND GROOVE OFFICE**  
LOCATED IN CITY OF WILMINGTON, NORTH CAROLINA, NEW HANOVER COUNTY, NORTH CAROLINA.  
OWNER: TONGUE AND GROOVE LLC  
6831 CLEANDER DRIVE  
WILMINGTON, NC 28403

**PROFESSIONAL SEAL**  
025483  
ENGINEER  
8/2/15

REV. NO.	DATE	BY	REMARKS
1	6/24/15	RLW	FLATTED FOR CITY SIGNATURES
2	7/20/15	RLW	REVISION PER CITY COMMENTS
3	7/20/15	RLW	REVISION PER CITY COMMENTS
4	7/20/15	RLW	REVISION PER CITY COMMENTS

DATE: 6-24-15  
HORZ SCALE: 1" = 10'  
VERT. SCALE: N/A  
DRAWN BY: RLW  
CHECKED BY: HSR  
PROJECT NO.: 14-330

**LOCATION MAP**



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**CITY OF WILMINGTON**  
NORTH CAROLINA  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN  
Date: 6/13/16 Permit #  
Signed: *R. D. ...*

**Approved Construction Plan**  
Name: \_\_\_\_\_ Date: 6/10/16  
Planning: \_\_\_\_\_  
Traffic: \_\_\_\_\_ 6-10-16  
Fire: \_\_\_\_\_ 6-16-16

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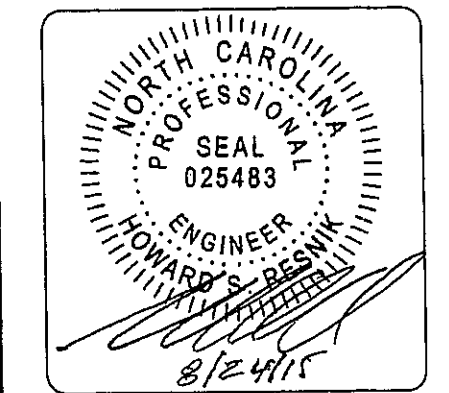
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**GSD**  
LICENSE # C-2710  
**COASTAL SITE DESIGN, PC**  
ENGINEERING LAND PLANNING COMMERCIAL / RESIDENTIAL  
P.O. Box 4041  
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LANDSCAPE PLAN FOR  
**TONGUE AND GROOVE OFFICE**

LANDSCAPE PLAN FOR  
**TONGUE AND GROOVE OFFICE**  
LOCATED IN CITY OF WILMINGTON  
NEW HAMBOUR COUNTY, NORTH CAROLINA  
OWNER: TONGUE AND GROOVE LLC  
6631 OLEANDER DRIVE  
WILMINGTON, NC 28403



REV.	NO.	DATE	REMARKS
1	1	6-24-15	
2	2	6-10-16	
3	3	6-10-16	
4	4	6-16-16	

DATE: 6-24-15  
 HORIZ. SCALE: 1" = 10'  
 VERT. SCALE: N/A  
 DRAWN BY: RLW  
 CHECKED BY: HSR  
 PROJECT NO.: 14-330