

<b>EXISTING SITE AREA:</b>	11.09 AC (483,295)
<b>TOTAL SITE AREA PROPOSED:</b>	24.75 AC (1,088,156 SF)
<b>EXISTING IMPERVIOUS AREA LOB I:</b>	25,750 SF
<b>CONCRETE DRIVE ISL:</b>	28,942 SF
<b>ASPHALT DRIVE PAVING:</b>	2,000 SF
<b>CONCRETE DRIVEWAY:</b>	2,000 SF
<b>TOTAL:</b>	58,692 SF
<b>EXISTING IMPERVIOUS AREA LOB II:</b>	28,500 SF
<b>BUILDING WALKWAY:</b>	31,170 SF
<b>ASPHALT PAVING:</b>	32,970 SF
<b>CONCRETE PAVING:</b>	22,045 SF
<b>PERVIOUS CONCRETE PAVING:</b>	15,670 SF
<b>PAVERS:</b>	15,670 SF
<b>TOTAL:</b>	106,578 SF
<b>EXISTING IMPERVIOUS AREA REMOVED LOB II:</b>	33,103 SF
<b>ASPHALT PAVING:</b>	31,170 SF
<b>CONCRETE PAVING:</b>	2,940 SF
<b>PERVIOUS CONCRETE PAVING:</b>	5,900 SF
<b>TOTAL IMPERVIOUS REMOVED:</b>	41,843 SF
<b>PROPOSED IMPERVIOUS AREA ADDED LOB 3, 4, 5, 6, 7, 8, 9, 10:</b>	17,685 SF (FOOTPRINT)
<b>BUILDING LOB III:</b>	50,500 SF (FOOTPRINT)
<b>BUILDING FITNESS CENTER:</b>	11,435 SF (FOOTPRINT)
<b>BUILDING FOOTPRINT:</b>	17,571 SF
<b>WALKWAYS:</b>	2,781 SF
<b>MIP (HALF):</b>	139,195 SF
<b>TOTAL:</b>	292,295 SF
<b>PROPOSED SITE TOTAL:</b>	27,564 SF
<b>PROPOSED IMPERVIOUS:</b>	292,295 SF
<b>PROPOSED SITE PERCENT IMPERVIOUS:</b>	10.7%
<b>PROPOSED IMPERVIOUS AREA ADDED FROM EXTENSION:</b>	292,295 SF
<b>ASPHALT CONCRETE CURB AND GUTTER:</b>	20,700 SF
<b>PROPOSED SITE TOTAL:</b>	23,281 SF

SCALE: 1" = 100'

**SITE DATA LIVE OAK BANK III**

USE: OFFICE/PARKING DECK/FITNESS CENTER  
 OWNER: LIVE OAK BANKSHARES, INC.  
 PARCEL ADDRESS: 1741 TIBURON DR.  
 PARCEL ID#: R06109-004-031-000  
 MAP ID#: 313909.15.2860.000  
 PARCEL AREA BR CURRENT: 11.09 AC (483,295 SF)  
 PARCEL AREA BR PROPOSED: 24.75 AC (1,088,156 SF)  
 ROW AREA PROPOSED: 0.73 AC (31,831 SF)  
 CANAL LAND USE: URBAN  
 BUILDING SETBACKS 0&I-1: INTERIOR SIDE SETBACK: 20'  
 CORNER SIDE SETBACK: 20'  
 REAR SETBACKS: 20'  
 FRONT SETBACK: 20'  
 SIDE SETBACK WEST: 850'±  
 SIDE SETBACK EAST: 657'±  
 REAR SETBACK: 685'±  
 BUILDING SETBACKS PARKING DECK I: (PROPOSED)  
 BUILDING SETBACKS PARKING DECK II: (PROPOSED)  
 MAX. LOT COVERAGE 0&I-1: 40%  
 PROPOSED LOT COVERAGE: 11.47%  
 LOB I: 19,358 SF  
 LOB II: 23,600 SF  
 LOB III: 19,358 SF  
 PD I: 50,500 SF  
 FITNESS: 11,435 SF  
 TOTAL: 122,558 SF  
 45'/UP TO 75' WITH SPECIAL USE PERMIT.  
 LOT COVERAGE AND SETBACK CONDITIONS:  
 56'  
 45'  
 45'

**LIVE OAK BANK I**  
 1. 19,358 SF  
 2. 19,358 SF  
 3. 19,358 SF  
 4. 19,358 SF

**LIVE OAK BANK II**  
 1. 17,118 SF  
 2. 14,608 SF  
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**LIVE OAK BANK III**  
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**PROPOSED BUILDING 1:**  
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 SQUARE FOOTAGE PER FLOOR: 17,685 SF

**PROPOSED BUILDING 2:**  
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**PROPOSED BUILDING 3:**  
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**PROPOSED BUILDING 4:**  
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**PROPOSED BUILDING 5:**  
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**PROPOSED BUILDING 6:**  
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**PROPOSED BUILDING 7:**  
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**PROPOSED BUILDING 8:**  
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**PROPOSED BUILDING 9:**  
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**PROPOSED BUILDING 10:**  
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**PROPOSED BUILDING 11:**  
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**PROPOSED BUILDING 12:**  
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**PROPOSED BUILDING 13:**  
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**PROPOSED BUILDING 14:**  
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**PROPOSED BUILDING 15:**  
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**PROPOSED BUILDING 17:**  
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**PROPOSED BUILDING 18:**  
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**PROPOSED BUILDING 19:**  
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**PROPOSED BUILDING 23:**  
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**PROPOSED BUILDING 24:**  
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**PROPOSED BUILDING 25:**  
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**PROPOSED BUILDING 26:**  
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**PROPOSED BUILDING 27:**  
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**PROPOSED BUILDING 31:**  
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**PROPOSED BUILDING 32:**  
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**PROPOSED BUILDING 33:**  
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**PROPOSED BUILDING 34:**  
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**PROPOSED BUILDING 35:**  
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**PROPOSED BUILDING 36:**  
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**PROPOSED BUILDING 37:**  
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**PROPOSED BUILDING 38:**  
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**PROPOSED BUILDING 39:**  
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**PROPOSED BUILDING 40:**  
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**PROPOSED BUILDING 41:**  
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**PROPOSED BUILDING 43:**  
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**PROPOSED BUILDING 44:**  
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**PROPOSED BUILDING 45:**  
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**PROPOSED BUILDING 51:**  
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**PROPOSED BUILDING 52:**  
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**PROPOSED BUILDING 54:**  
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**PROPOSED BUILDING 58:**  
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**PROPOSED BUILDING 75:**  
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**PROPOSED BUILDING 77:**  
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**PROPOSED BUILDING 78:**  
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**PROPOSED BUILDING 79:**  
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**PROPOSED BUILDING 80:**  
 BUILDING SIZE: 17,685 SF  
 BUILDING FOOTPRINT: 17,685 SF  
 SQUARE FOOTAGE PER FLOOR: 17,685 SF

OWNER/DEVELOPER: W. LEE WILLIAMS  
 EXECUTIVE VICE PRESIDENT  
 LIVE OAK BANKSHARES, INC.  
 1741 TIBURON DRIVE  
 WILMINGTON, NC 28403  
 910-796-1647  
 910-790-5868

**NORRIS & TUNSTALL**  
 CONSULTING ENGINEERS P.C.  
 902 MARKET STREET  
 WILMINGTON, NC 28401  
 PHONE (910) 343-9653  
 1429 ASH-LITTLE RIVER RD., NW  
 WILMINGTON, NC 28420  
 PHONE (910) 287-5900

License #CG-3641  
**16169**  
 JUST  
 DES. JST  
 COO. JPN  
 DRN. NKS  
 DATE 5/17/17

Approved Construction Plan  
 Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Planning: \_\_\_\_\_  
 Public Utilities: \_\_\_\_\_  
 Traffic: \_\_\_\_\_  
 Fire: \_\_\_\_\_



**C0**

INVENTORY SITE PLAN  
LIVE OAK BANKING COMPANY 3/FT/PARK  
1741 TIBURON DRIVE  
WILMINGTON, NORTH CAROLINA 28403

OWNER/DEVELOPER  
W. LEE WILLIAMS  
EXECUTIVE VICE PRESIDENT  
LIVE OAK BANKING COMPANY  
1741 TIBURON DRIVE  
WILMINGTON, NC 28403  
910-796-1647  
866-570-5526

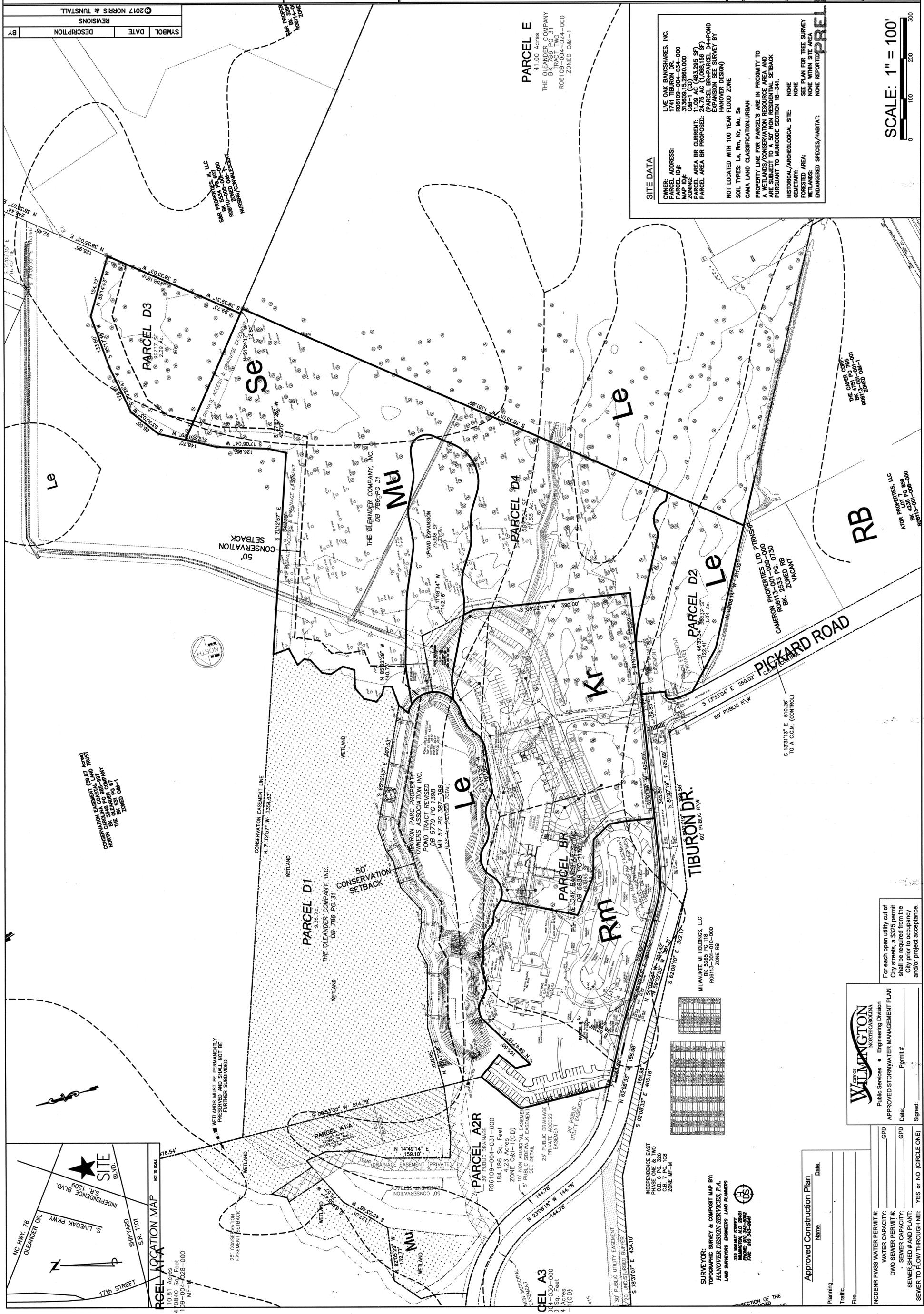
**NORRIS & TUNSTALL**  
CONSULTING ENGINEERS P.C.  
1429 ASH-LITTLE RIVER RD., NW  
WILMINGTON, NC 28420  
PHONE (910) 287-5900

License #C-3641  
**16169**  
JUST  
DES. JST  
CDD. JPN  
DRWG. NKS  
DATE 5/17/17



**1.1**

SYMBOL	DATE	DESCRIPTION	BY
REVISIONS			
© 2017 NORRIS & TUNSTALL			



**SITE DATA**

OWNER: LIVE OAK BANKSHARES, INC.  
PARCEL ADDRESS: 1741 TIBURON DR  
PARCEL ID#: R06109-004-034-000  
MAP ID#: 313609.15.2860.000  
ZONING: O&I (CD) (3.0% ST)  
PARCEL AREA BR CURRENT: 24.75 AC (1.068136 SF)  
PARCEL AREA BR PROPOSED: 24.75 AC (1.068136 SF)  
EXPANSION SEE SURVEY BY HANOVER DESIGN

NOT LOCATED WITH 100 YEAR FLOOD ZONE

SOIL TYPES: Lr, Rm, Kr, Mu, Sr  
CAMA LAND CLASSIFICATION: URBAN

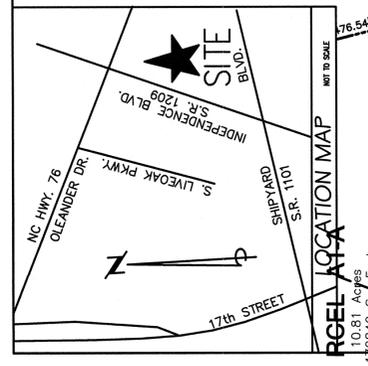
PROPERTY LINE FOR PARCEL'S ARE IN PROXIMITY TO A WETLAND/CONSERVATION RESERVE AREA AND ARE SUBJECT TO A 50' CONSERVATION SETBACK PURSUANT TO MANICODE SECTION 18-341.

HISTORICAL/ARCHEOLOGICAL SITE: NONE  
FORESTED AREA: NONE  
WETLANDS: NONE WITHIN SITE AREA  
ENDANGERED SPECIES/HABITAT: NONE REPORTED

**PARCEL E**  
41.00 Acres  
THE OLEANDER COMPANY  
DB 786-PG 31  
TRACT TWO 31  
R06109-004-024-000  
ZONED O&I-1

SCALE: 1" = 100'  
0 100 200 300

**PREL**



WETLANDS MUST BE PERMANENTLY PRESERVED AND SHALL NOT BE FURTHER SUBDIVIDED.

CONSERVATION EASEMENT (PG 87) AREAS NORTH CAROLINA CONSERVATION ACT THE OLEANDER COMPANY THE OLEANDER COMPANY ZONED O&I-1

THE UPPER CORNER OF THE CR1 PG 100-1001 RB ZONED O&I-1

ATON PROPERTIES, LLC ATRN PG 890-900 BK 4200-008-900 RB0117-001

CAMERON PROPERTIES LTD PATRISHAW R06113-001-009-000 PG. 0750 RB ZONED RB VACANT

WILWAUKEE MI HOLDINGS, LLC BK 5265 PG 118 R06113-001-010-000 ZONE RB

INDEPENDENCE EAST PHASE ONE & TWO C.B. 6 PG. 326 108 ZONE MF-M

300 WILMUT STREET HANOVER DESIGN SERVICES, P.A. PHONE: 910-345-8000 FAX: 910-345-8049

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

**APPROVED CONSTRUCTION PLAN**

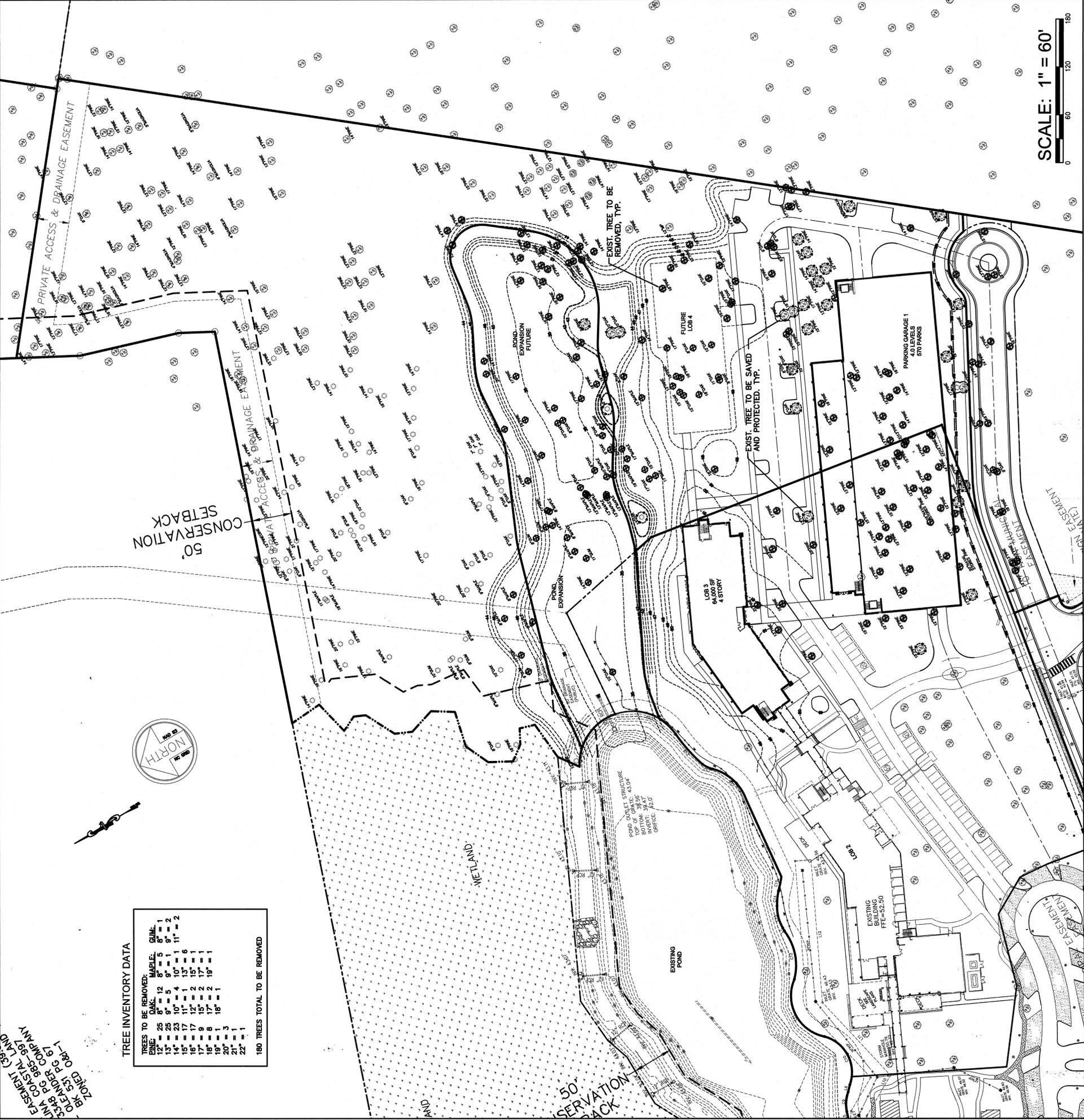
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN

INCIDENT PWSS WATER PERMIT #: \_\_\_\_\_ GPD \_\_\_\_\_  
WATER CAPACITY: \_\_\_\_\_ GPD \_\_\_\_\_  
DIVQ SEWER PERMIT #: \_\_\_\_\_ GPD \_\_\_\_\_  
SEWER CAPACITY: \_\_\_\_\_ GPD \_\_\_\_\_  
SEWER SHED # AND PLANT: \_\_\_\_\_

Approved Construction Plan Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Permit #: \_\_\_\_\_  
Signed: \_\_\_\_\_







SCALE: 1" = 60'

**TREE INVENTORY DATA**

TREES TO BE REMOVED:	TABLE:	QUANTITY:
12"	12"	1
13"	9"	1
14"	5"	1
15"	4"	1
16"	10"	1
17"	11"	1
18"	11"	1
19"	11"	1
20"	11"	1
21"	11"	1
22"	11"	1

180 TREES TOTAL TO BE REMOVED

3246 PG 98-097  
 ZONED (04-1)  
 BK 031 PG 98-097  
 EXHIBIT (38)

1741 TIBURON DRIVE  
 WILMINGTON, NORTH CAROLINA 28403

OWNER/DEVELOPER  
 W. LEE WILLIAMS  
 EXECUTIVE VICE PRESIDENT  
 LIVE OAK BANKING COMPANY 3/FITPARK  
 WILMINGTON, NC 28403  
 910-796-1647  
 910-790-5868

1429 ASH-LITTLE RIVER RD., NW  
 WILMINGTON, NC 28420  
 PHONE (910) 287-5900

**NORRIS & TUNSTALL**  
 CONSULTING ENGINEERS P.C.  
 902 MARKET STREET  
 WILMINGTON, NC 28401  
 PHONE (910) 343-9633

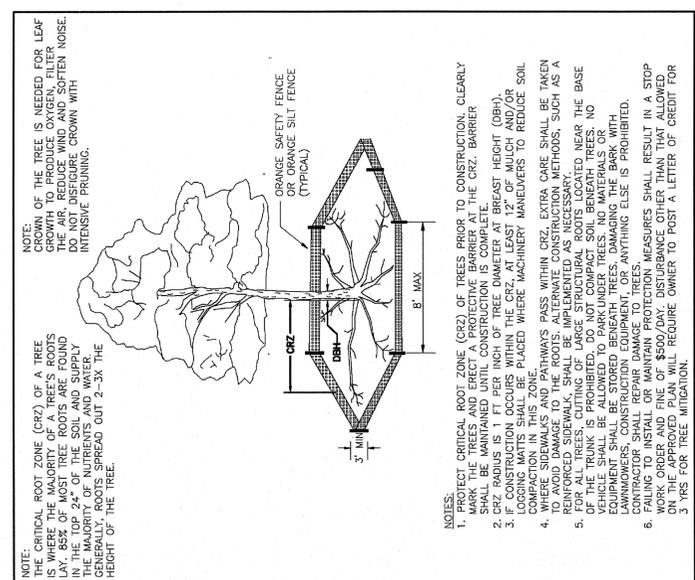
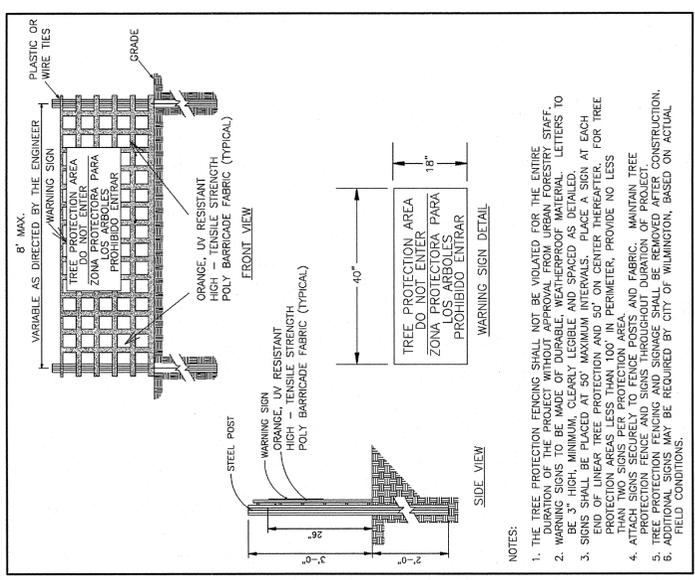
16169  
 License #C-3641

DATE: 5/17/17  
 DES. JUST: JPN  
 CDR. DRNL: NKS



**C1.1**

SYMBOL	DATE	DESCRIPTION	BY
REVISIONS			
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**TREE PROTECTION DETAILS**

- NOTES:**
1. THE TREE PROTECTION FENCING SHALL NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT WITHOUT APPROVAL FROM URBAN FORESTRY STAFF.
  2. WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL. LETTERS TO BE 6" HIGH. SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER. FOR TREE PROTECTION AREAS LESS THAN 100' IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN AT EACH END.
  3. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE AND SIGNS THROUGHOUT DURATION OF PROJECT.
  4. TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION. SIGNAGE SHALL BE REMOVED BY CITY OF WILMINGTON, BASED ON ACTUAL FIELD CONDITIONS.
- NOTE:** THE CRITICAL ROOT ZONE (CRZ) OF A TREE IS WHERE THE MAJORITY OF A TREE'S ROOTS LAY, 85% OF MOST TREE ROOTS ARE FOUND WITHIN THE CRZ. CRZ IS DETERMINED BY THE MAJORITY OF NUTRIENTS AND WATER. GENERALLY, ROOTS SPREAD OUT 2-3X THE HEIGHT OF THE TREE.
- NOTE:** CROWN OF THE TREE IS NEEDED FOR LEAF GROWTH TO PRODUCE OXYGEN, FILTER THE AIR, REDUCE WIND AND SOFTEN NOISE. IT ALSO PROVIDES A SHADY CROWN WITH INTENSIVE PRUNING.

- NOTES:**
1. PROTECT CRITICAL ROOT ZONE (CRZ) OF TREES PRIOR TO CONSTRUCTION. CLEARLY MARK CRZ WITH RED ORANGE BARRIERS AT THE CRZ. BARRIERS SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
  2. CRZ RADIUS IS 1 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH).
  3. IF CONSTRUCTION OCCURS WITHIN THE CRZ, AT LEAST 12" OF MULCH AND/OR REINFORCED SIDEWALK SHALL BE IMPLEMENTED AS NECESSARY, SUCH AS A REINFORCED SIDEWALK. CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK IS PROHIBITED. DO NOT COMPACT SOIL BENEATH TREES. NO EQUIPMENT SHALL BE STORED BENEATH TREES. DAMAGING THE BARK WITH LAWNMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED.
  4. CRITICAL ROOT ZONE (CRZ) SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. MEASUREMENTS SHALL RESULT IN A STOP WORK ORDER AND FINE OF \$500/DAY. DISTURBANCE OTHER THAN THAT ALLOWED ON THE APPROVED PLAN WILL REQUIRE OWNER TO POST A LETTER OF CREDIT FOR 3 YRS FOR TREE MITIGATION.

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

INCIDENT PWSS WATER PERMIT #:  
 WATER CAPACITY: GPD  
 DWQ SEWER PERMIT #:  
 SEWER CAPACITY: GPD  
 SEWER SHED # AND PLANT:  
 SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE)

Approved Construction Plan

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Planning: \_\_\_\_\_  
 Public Utilities: \_\_\_\_\_  
 Traffic: \_\_\_\_\_  
 Fire: \_\_\_\_\_

City of Wilmington  
 Public Services • Engineering Division  
 APPROVED STORMWATER MANAGEMENT PLAN

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



GRADING, DRAINAGE AND EROSION CONTROL PLAN  
LIVE OAK BANKING COMPANY 3/FITPARK

OWNER/DEVELOPER  
W. LEE WILLIAMS  
EXECUTIVE VICE PRESIDENT  
LIVE OAK BANKSHARES, INC.  
1741 TIBURON DRIVE  
WILMINGTON, NC 28403  
910-796-1647  
910-790-5868

**NORRIS & TUNSTALL**  
CONSULTING ENGINEERS P.C.  
1429 ASH-LITTLE RIVER RD. NW  
ASH, NC 28420  
PHONE (910) 287-5900

902 MARKET STREET  
WILMINGTON, NC 28401  
PHONE (910) 343-9653

16169  
LICENCE #C-3641  
DATE 5/17/17  
DES. IST. JLN  
CHKD. RWK  
DATE 5/17/17



**C2.1**

REVISION	DATE	DESCRIPTION	BY



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 STORMWATER MANAGEMENT PLAN  
Date: \_\_\_\_\_ Permit #: \_\_\_\_\_  
Signed: \_\_\_\_\_

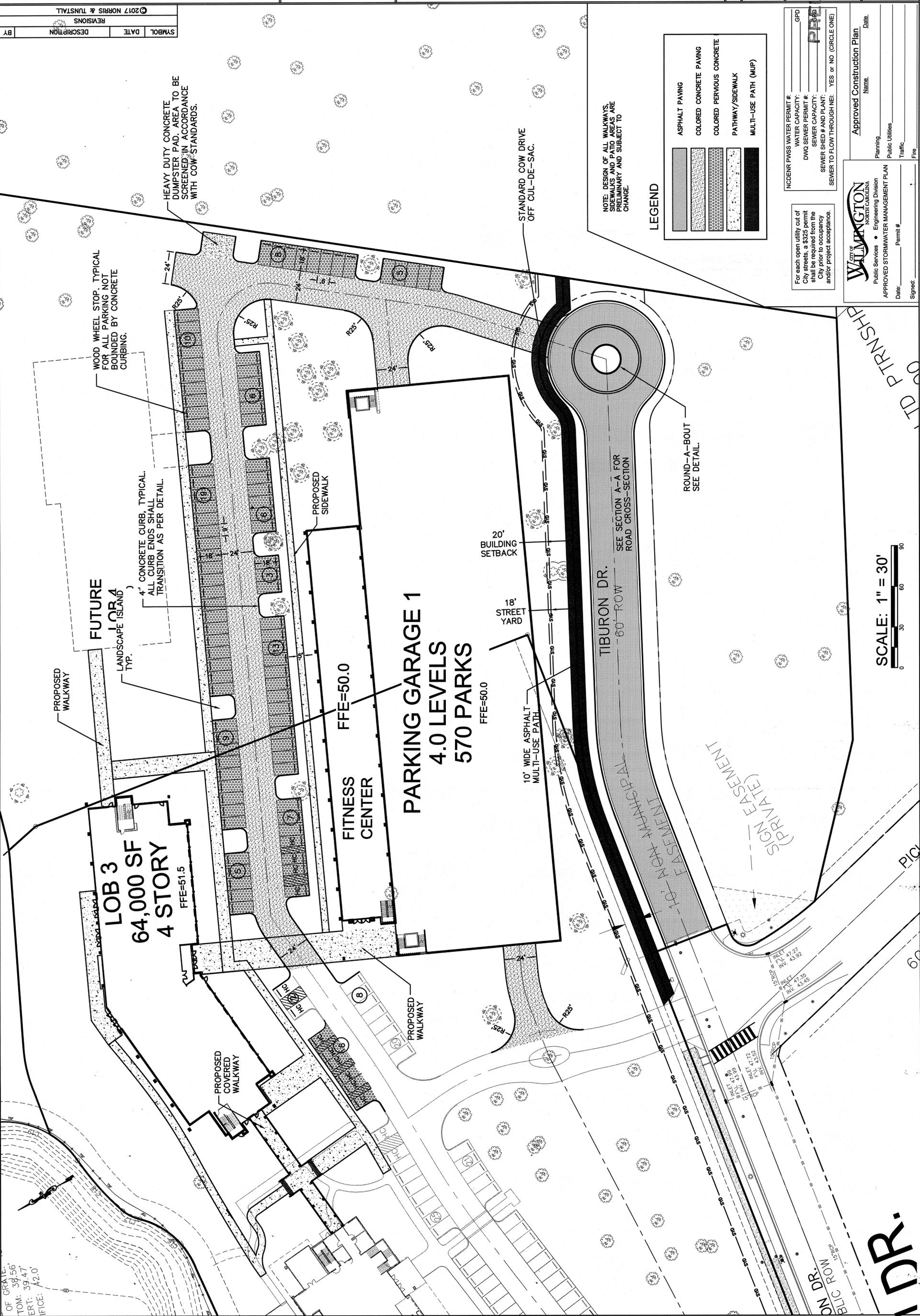
Public Services • Engineering Division  
CITY OF WILMINGTON  
NORTH CAROLINA

Approved Construction Plan  
Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Planning: \_\_\_\_\_  
Public Utilities: \_\_\_\_\_  
Traffic: \_\_\_\_\_  
Fire: \_\_\_\_\_

NO DENY PWSS WATER PERMIT # \_\_\_\_\_  
WATER CAPACITY: \_\_\_\_\_ GPD  
DIWQ SEWER PERMIT # \_\_\_\_\_  
SEWER CAPACITY: \_\_\_\_\_ GPD  
SEWER SHED # AND PLANT: \_\_\_\_\_  
SEWER TO FLOW THROUGH: YES or NO (CIRCLE ONE)



OF GRADE:  
 TOM: 39.56'  
 ERT: 39.47'  
 WICE: 42.0'



**LOB 3**  
**64,000 SF**  
**4 STORY**  
 FFE=51.5

**FITNESS CENTER**  
 FFE=50.0

**PARKING GARAGE 1**  
**4.0 LEVELS**  
**570 PARKS**  
 FFE=50.0

**TIBURON DR.**  
 60' ROW  
 SEE SECTION A-A FOR ROAD CROSS-SECTION

20' BUILDING SETBACK

18' STREET YARD

10' WIDE ASPHALT MULTI-USE PATH

ROUND-A-BOUT SEE DETAIL

**FUTURE JOB 4**  
 LANDSCAPE ISLAND TYP.

WOOD WHEEL STOP, TYPICAL FOR ALL PARKING NOT BOUNDED BY CONCRETE CURBING.

4" CONCRETE CURB, TYPICAL. ALL CURB ENDS SHALL TRANSITION AS PER DETAIL.

HEAVY DUTY CONCRETE DUMPSTER PAD. AREA TO BE SCREENED IN ACCORDANCE WITH COW STANDARDS.

PROPOSED SIDEWALK

PROPOSED WALKWAY

PROPOSED COVERED WALKWAY

STANDARD COW DRIVE OFF CUL-DE-SAC.

**LEGEND**

- ASPHALT PAVING
- COLORLED CONCRETE PAVING
- COLORLED PERVIOUS CONCRETE
- PATHWAY/SIDEWALK
- MULTI-USE PATH (MUP)

NOTE: DESIGN OF ALL WALKWAYS, SIDEWALKS AND PATIO AREAS ARE PRELIMINARY AND SUBJECT TO CHANGE.

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

NC DENR PWSS WATER PERMIT #:  
 WATER CAPACITY:  
 DWQ SEWER PERMIT #:  
 SEWER CAPACITY:  
 SEWER SHED # AND PLANT:  
 SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

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

Approved Construction Plan  
 Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Planning  
 Public Utilities  
 Traffic  
 Fire

SCALE: 1" = 30'

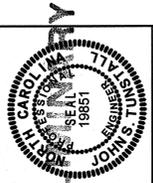
LAYOUT PLAN  
 LIVE OAK BANKING COMPANY 3/FITPARK  
 1741 TIBURON DRIVE  
 WILMINGTON, NORTH CAROLINA 28403

OWNER/DEVELOPER  
 W. LEE WILLIAMS  
 EXECUTIVE VICE PRESIDENT  
 LIVE OAK BANKSHARES, INC.  
 1741 TIBURON DRIVE  
 WILMINGTON, NC 28403  
 910-796-1647  
 910-790-8688

**NORRIS & TUNSTALL**  
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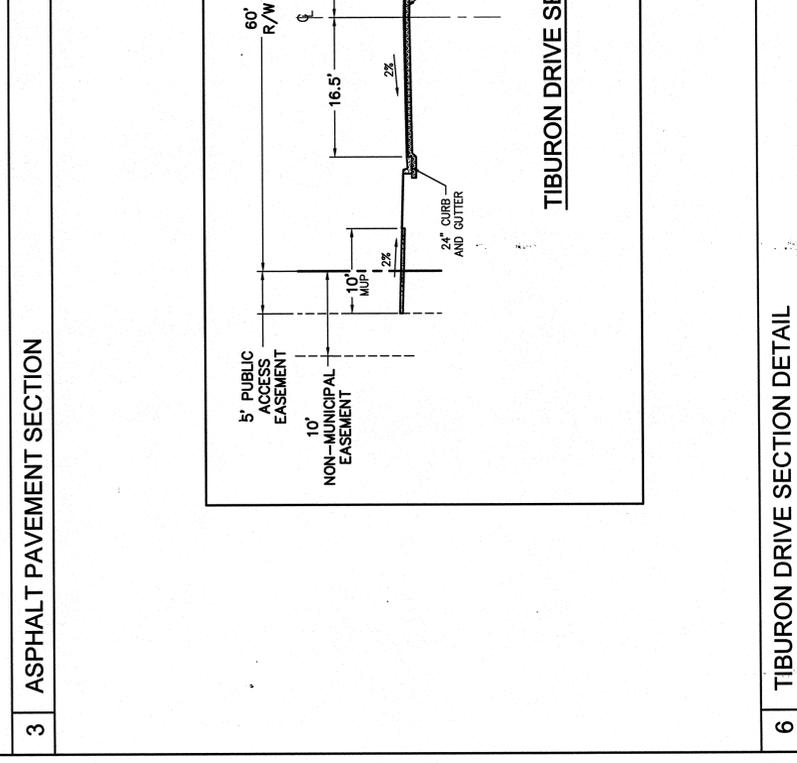
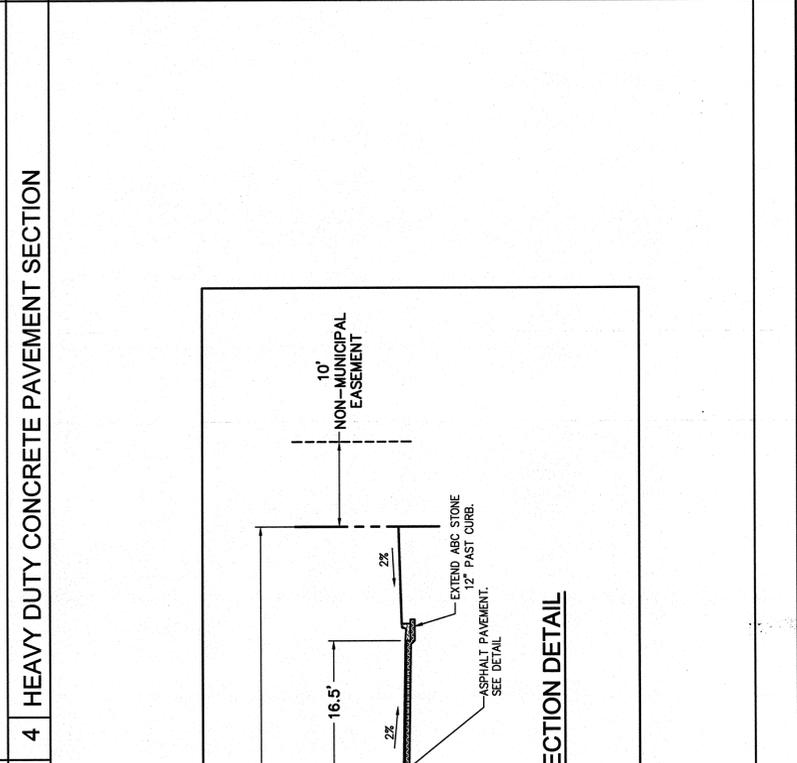
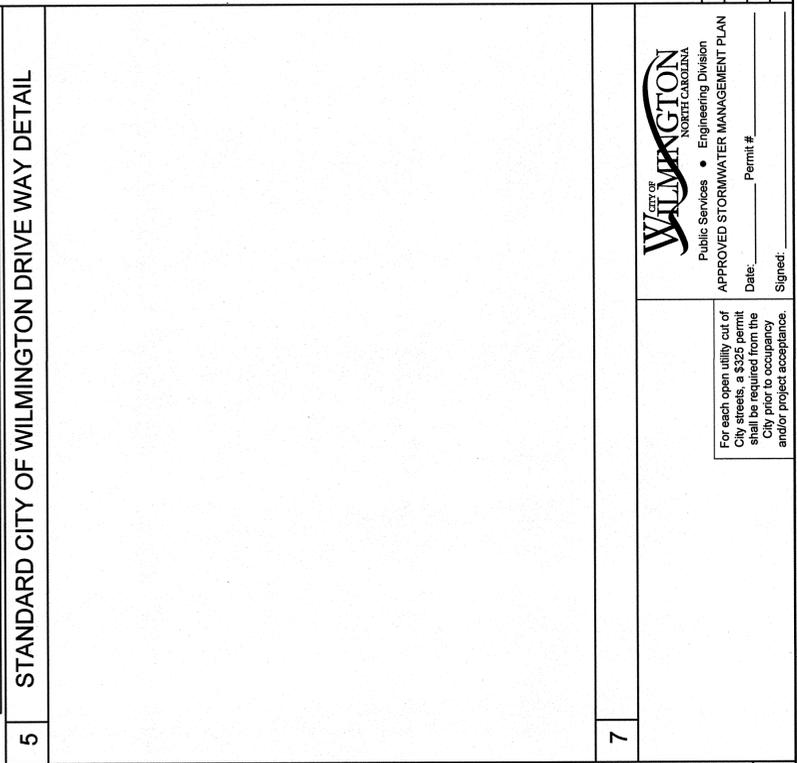
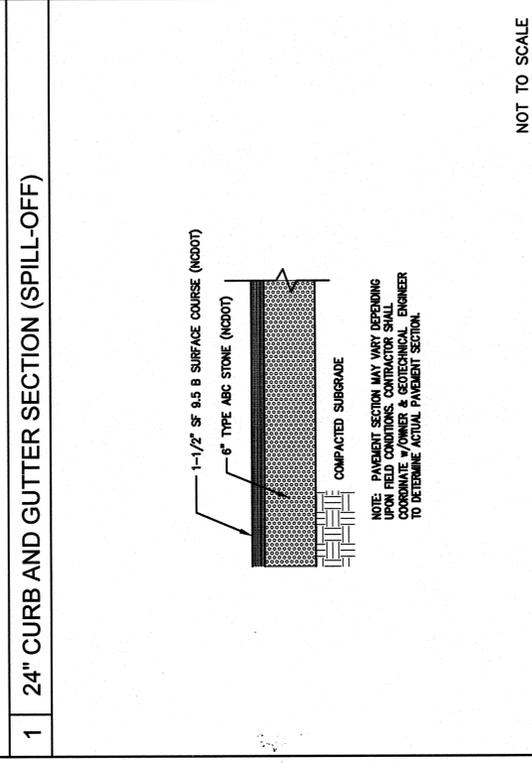
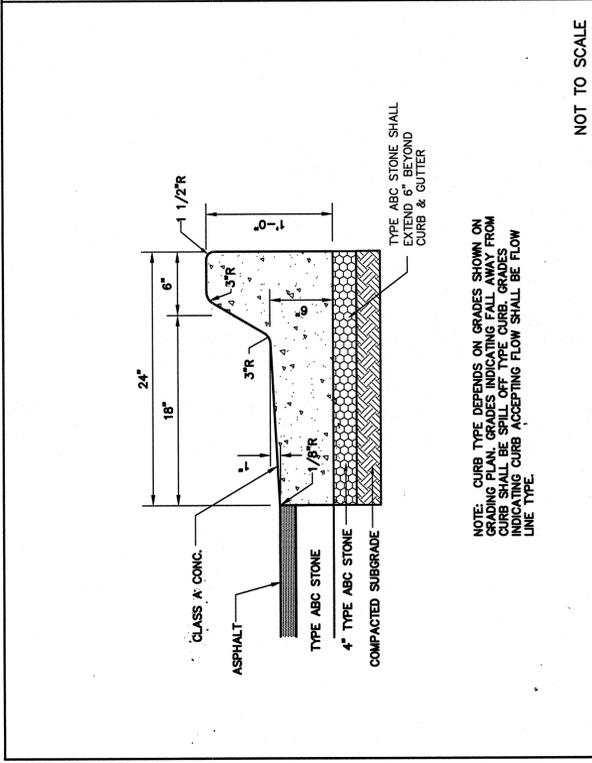
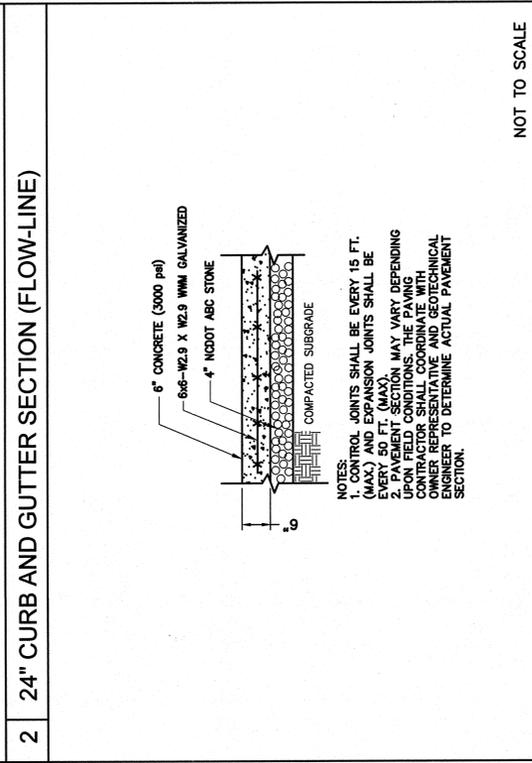
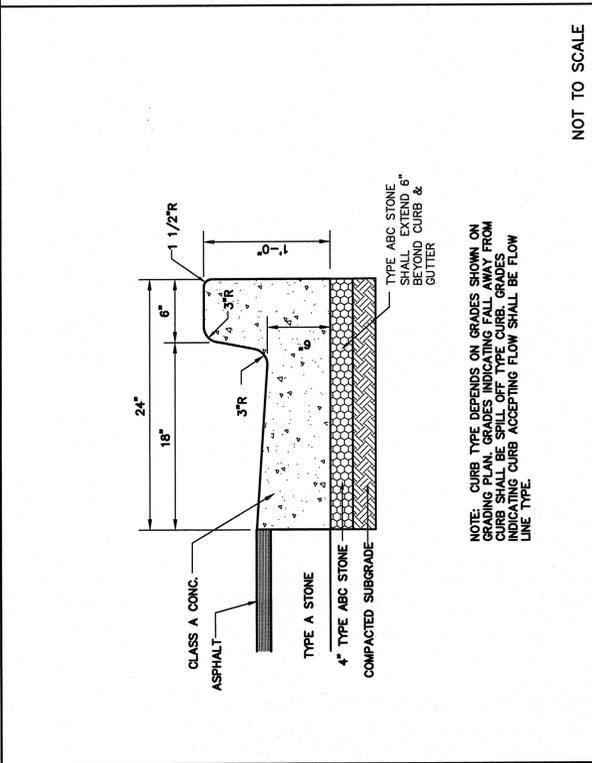
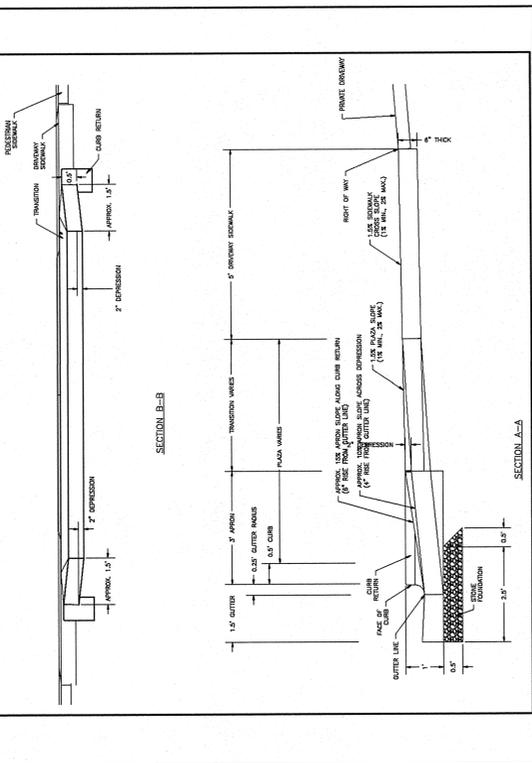
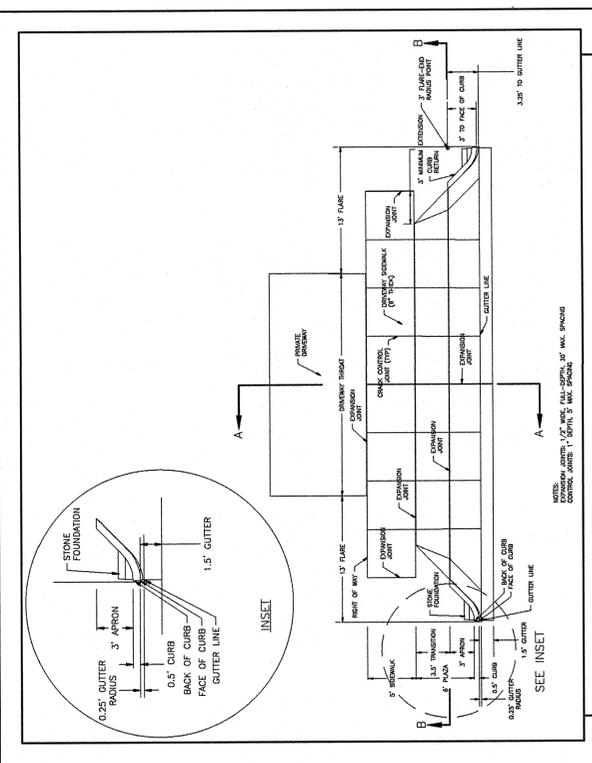
902 MARKET STREET  
 WILMINGTON, NC 28401  
 PHONE (910) 343-9533

License #C-3641  
**16169**  
 REG. STATE: NC  
 REG. NO.: 16169  
 REG. DATE: 5/17/17



**C4**

SYMBOL	DATE	DESCRIPTION	BY
REVISIONS			
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**CITY OF WILMINGTON STANDARD NOTES:**

- CONTACT THE NORTH CAROLINA ONE CALL CENTER PRIOR TO DOING ANY DIGGING AT 1-800-632-4949.
- 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 FENCING.
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
- ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
- INSTALL REFLECTORS PER CITY AND NCDOT STANDARDS. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING LAYOUT PRIOR TO ACTUAL STRIPING.
- ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY SHALL BE INSTALLED IN ACCORDANCE WITH THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
- TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
- IT SHALL BE THE RESPONSIBILITY OF THE SUBDIVIDER TO ERECT OFFICIAL STREET NAME SIGNS AT ALL INTERSECTIONS ASSOCIATED WITH THE SUBDIVISION IN ACCORDANCE WITH THE TECHNICAL STANDARDS AND SPECIFICATIONS MANUAL. THE SUBDIVIDER MAY REQUEST THE CITY TO INSTALL THE STREET SIGNS AND THE SUBDIVIDER SHALL PAY THE COST OF SUCH INSTALLATION. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS INSTALLATION OF TRAFFIC AND STREET NAME SIGNS. POSTED STREET NAMES MUST BE APPROVED PRIOR TO INSTALLATION OF STREET NAME SIGNS.
- CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
- A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. CONTACT 341-6588 FOR MORE DETAILS. CERTAIN CUTS SHALL REQUIRE RESTORATIONS OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
- ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS, AND CURBING WILL BE REPLACED.
- CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
- PROJECT SHALL COMPLY WITH CPDUA CROSS CONNECTION PREVENTION REGULATIONS. WATER METERS (S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL. CALL 343-3910 FOR INFORMATION.
- IF THE CONTRACTOR DESIRES CPDUA WATER FOR CONSTRUCTION HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
- ANY IRRIGATION SYSTEM SUPPLIED BY CPDUA WATER SHALL COMPLY WITH CPDUA CROSS CONNECTION CONTROL REGULATIONS. CALL 332-6558 FOR INFORMATION.
- ANY BACKFLOW PREVENTION DEVICES REQUIRED BY USFCOCHR OR ASSE.
- WHEN PVC WATER MAINS AND/OR POLYETHYLENE SERVICES ARE PROPOSED, THE PIPES ARE TO BE MARKED WITH NO. 10 INSULATED SINGLE STRAND COPPER WIRE INSTALLED THE ENTIRE LENGTH AND SECURED TO ALL VALVES. THIS WIRE IS TO BE ACCESSIBLE AT ALL LOCATIONS OF ALL VALVES. THIS WIRE IS TO BE INSTALLED AT THE LOCATION OF ALL VALVES.
- THE NUMBER AND SPACING OF DRIVEWAYS FOR ALL INTERCONNECTED SITES WILL BE DETERMINED BY THE COMBINED FRONTAGE OF THE INTERCONNECTED PROPERTIES.
- UNDERGROUND FIRE LINE MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC ROW TO THE BUILDING. CONTACT THE WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE SAFETY AT 910-343-0696 FOR ADDITIONAL INFORMATION.
- A LANDSCAPE PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEER DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAN.
- IF AN IRRIGATION SYSTEM IS PLANNED FOR THE SITE, UTILIZE MOISTURE SENSORS.
- ALL PROPOSED VEGETATION WITHIN THE SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30'-10'.

**UTILITY NOTES FOR FIRE HYDRANTS:**

- FIRE HYDRANTS MUST BE WITHIN 150' OF THE FIRE DEPARTMENT CONNECTION.
- THE FIRE DEPARTMENT CONNECTION MUST BE WITHIN 40' OF FIRE APPARATUS PLACEMENT.
- LANDSCAPING AND PARKING CANNOT BLOCK OR IMPEDE THE FIRE DEPARTMENT CONNECTIONS OR FIRE HYDRANTS. A 3' CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE FIRE HYDRANT CONNECTION AND THE FIRE HYDRANT.
- FIRE HYDRANTS MUST BE LOCATED WITHIN 8' OF THE CURB.
- NEW HYDRANTS MUST BE AVAILABLE FOR USE PRIOR TO CONSTRUCTION.
- CONSTRUCTION MATERIALS MUST BE BROUGHT INTO SERVICE PRIOR TO COMPLETION OF THE PROJECT. ALL MATERIALS BEING DELIVERED TO THE JOB SITE.
- THE CONTRACTOR SHALL MAINTAIN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
- TEMPORARY STREET SIGNS SHALL BE INSTALLED AT EACH STREET INTERSECTION WHEN CONSTRUCTION OF NEW ROADWAYS ALLOWS PASSAGE BY VEHICLES.
- UNDERGROUND FIRE LINE AND PRIVATE WATER MAINS MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT AND THE WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910-343-0696 FOR ADDITIONAL INFORMATION.
- A MINIMUM OF 5' SHALL SEPARATE UNDERGROUND FIRE LINES OR PRIVATE WATER MAINS FROM OTHER UNDERGROUND UTILITIES.
- HYDRANTS SHALL BE OF SUFFICIENT NUMBERS TO ACCOMMODATE BASE FIRE FLOW REQUIREMENTS OF THE STRUCTURE.
- BUILDING CONSTRUCTION TYPE.

**NOTES AND DETAILS**  
**LIVE OAK BANKING COMPANY 3/FITPARK**  
 1741 TIBURON DRIVE  
 WILMINGTON, NORTH CAROLINA 28403  
 910-796-1647  
 910-790-5888

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 ASH, NC 28420  
 PHONE (910) 287-5900

License #C-3641  
**16169**  
 DES. JUST  
 CD. JPN  
 DRW. NKS  
 DATE 5/17/17

Approved Construction Plan  
 Name: **PREL**  
 Planning  
 Traffic  
 Fire

SYMBOL	DATE	DESCRIPTION	BY
		REVISIONS	

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1	24" CURB AND GUTTER SECTION (SPILL-OFF)	NOT TO SCALE
2	24" CURB AND GUTTER SECTION (FLOW-LINE)	NOT TO SCALE
3	ASPHALT PAVEMENT SECTION	NOT TO SCALE
4	HEAVY DUTY CONCRETE PAVEMENT SECTION	NOT TO SCALE
5	STANDARD CITY OF WILMINGTON DRIVE WAY DETAIL	
7		

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

Public Services • Engineering Division  
**APPROVED STORMWATER MANAGEMENT PLAN**  
 Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
 Signed: \_\_\_\_\_

**TIBURON DRIVE SECTION DETAIL**

**TIBURON DRIVE SECTION DETAIL**

**C5**