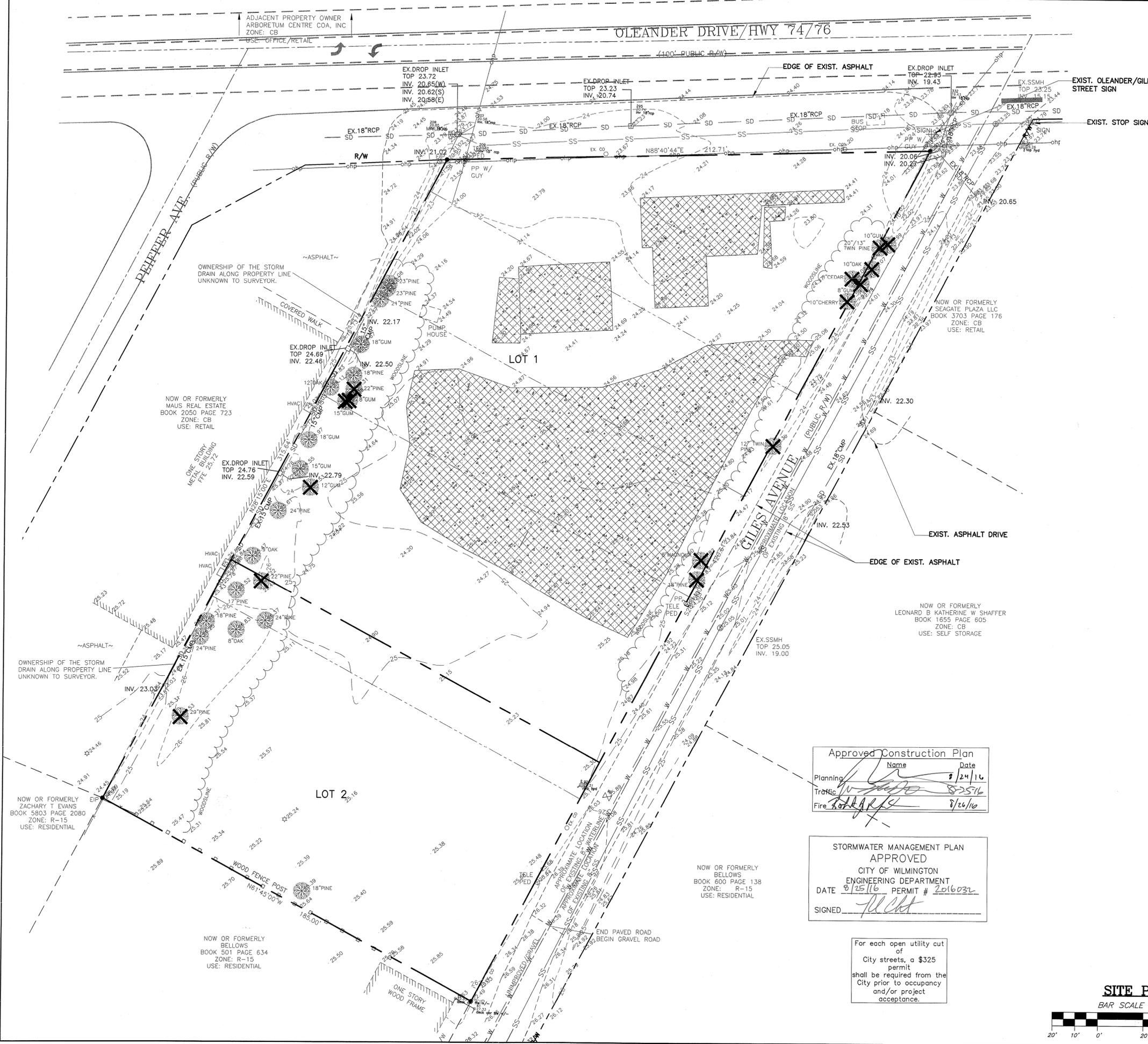


OLEANDER DRIVE/HWY 74/76

REVISIONS		
No./Date	Description	By

LOCATION MAP
NTS



- SITE INVENTORY NOTES:**
- PREPARER OF THE PLAN: TRIPP ENGINEERING, P.C.
 - APPLICANT NAME: SA LAND HOLDINGS, LLC
 - SITE ADDRESS OF THE DEVELOPMENT: 202 GILES AVENUE
 - PROPERTY OWNER: SA LAND HOLDINGS, LLC
 - DEVELOPER: SA LAND HOLDINGS, LLC
 - PROPERTY BOUNDARY: SEE PLAN
TAX PARCEL INFORMATION: R06207-013-013-000
R06207-013-012-000
R06207-013-011-000
R06207-013-010-000
R06207-013-009-000
 - PROPERTY ZONING: CB-COMMUNITY BUSINESS
 - ADJACENT PROPERTY OWNER INFORMATION: SEE PLAN
 - VICINITY MAP: SEE PLAN
 - TOPOGRAPHY: SEE PLAN
 - 100-YEAR FLOOD BOUNDARY: N/A
 - EXISTING DITCHES, CREEKS AND STREAMS: SEE PLAN
 - SOIL: LE; LEON SAND
 - CAMA AEC: N/A
 - CAMA LAND CLASSIFICATION: WATERSHED RESOURCE PROTECTION
 - CONSERVATION RESOURCES: NONE
ASSOCIATED SETBACKS: N/A
 - HISTORIC OR ARCHAEOLOGICAL SITE: N/A
 - CEMETERIES, BURIAL SITES/GROUNDS: N/A
 - FORESTED AREAS, HABITAT AND DOMINANT SPECIES: N/A
 - WETLANDS: NONE
 - PROTECTED SPECIES OR HABITAT: N/A
 - EXISTING OR PROPOSED THOROUGHFARES, BIKE ROUTES, PEDESTRIAN SIDEWALKS OR TRAILS AND TRANSIT FACILITIES: SEE SITE PLAN.

Approved Construction Plan

Name	Date
Planning	8/24/16
Traffic	8/25/16
Fire	8/26/16

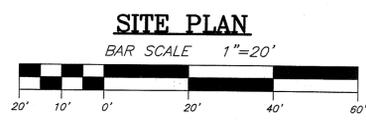
STORMWATER MANAGEMENT PLAN
APPROVED

CITY OF WILMINGTON
ENGINEERING DEPARTMENT

DATE 8/25/16 PERMIT # 2016032

SIGNED *[Signature]*

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



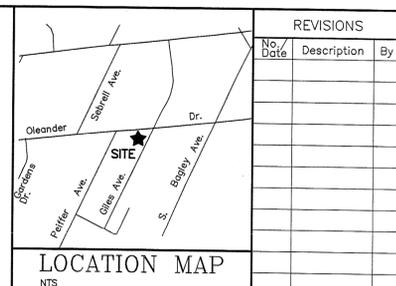
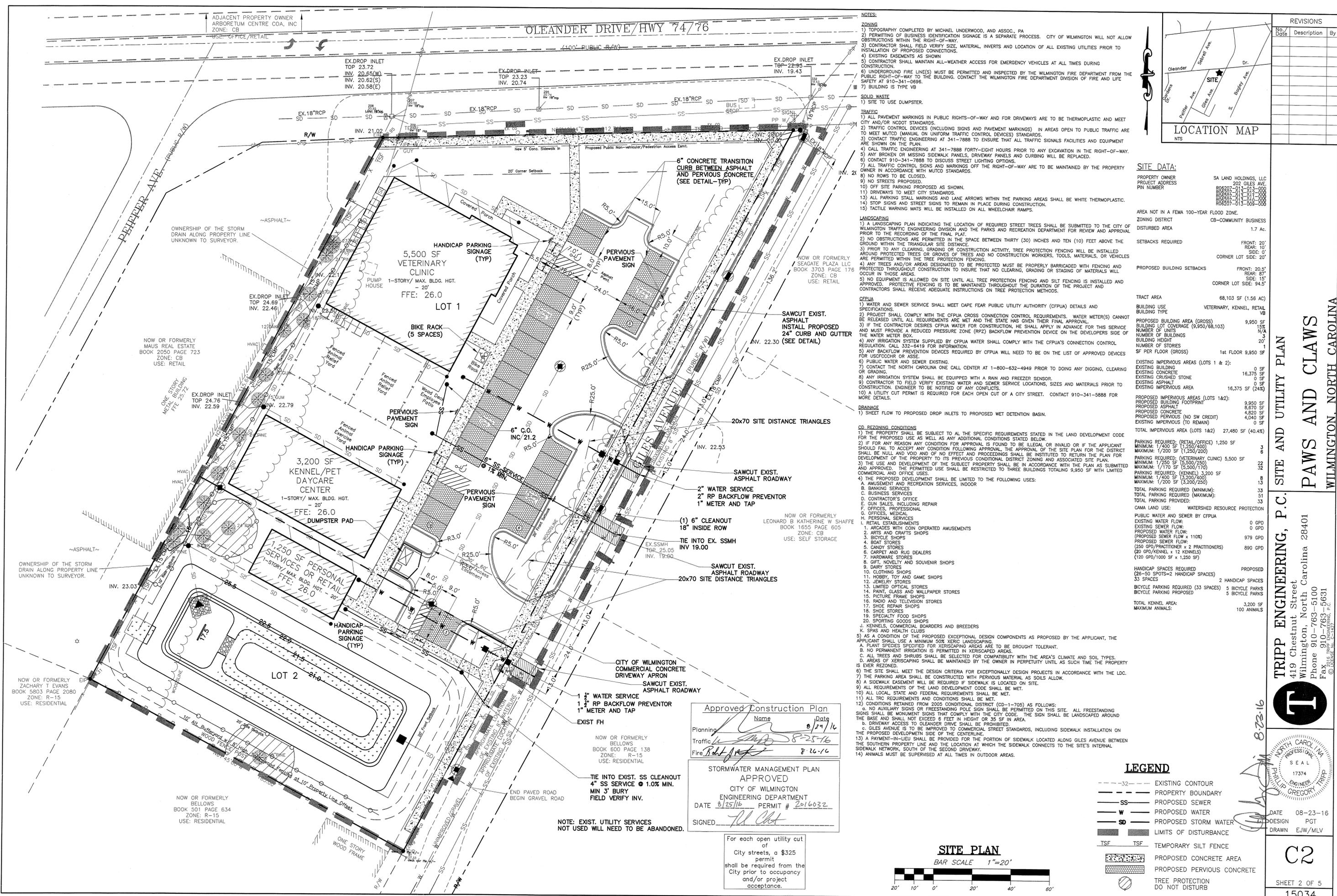
- LEGEND**
- PROPERTY BOUNDARY
 - SITE DEMO
 - EXISTING ELEVATION
 - TREE TO BE REMOVED

EXISTING CONDITIONS, SITE INVENTORY AND DEMOLITION PLAN
PAWS AND CLAWS
WILMINGTON, NORTH CAROLINA

TRIPP ENGINEERING, P.C.
419 Chestnut Street
Wilmington, North Carolina 28401
Phone 910-763-5100
Fax 910-763-5631
© LICENSE No. E-1127



DATE 08-23-16
DESIGN PGT
DRAWN EJV/MLV



REVISIONS		
No.	Date	Description

SITE DATA:
 PROPERTY OWNER: SA LAND HOLDINGS, LLC
 PROJECT ADDRESS: 202 GILES AVE.
 PIN NUMBER: R06207-013-013-000, R06207-013-011-000, R06207-013-011-001, R06207-013-008-000

AREA NOT IN A FEMA 100-YEAR FLOOD ZONE.
 ZONING DISTRICT: CB-COMMUNITY BUSINESS
 DISTURBED AREA: 1.7 Ac.
 SETBACKS REQUIRED: FRONT: 20', REAR: 10', SIDE: 5', CORNER LOT SIDE: 20'
 PROPOSED BUILDING SETBACKS: FRONT: 20.5', REAR: 8.7', SIDE: 15', CORNER LOT SIDE: 94.5'

TRACT AREA: 68,103 SF (1.56 AC)
 BUILDING USE: VETERINARY, KENNEL, RETAIL
 BUILDING TYPE: VB
 PROPOSED BUILDING AREA (GROSS): 9,950 SF
 BUILDING LOT COVERAGE (9,950/68,103): 15%
 NUMBER OF UNITS: 3
 NUMBER OF BUILDINGS: 3
 BUILDING HEIGHT: 20'
 NUMBER OF STORES: 3
 SF PER FLOOR (GROSS): 1st FLOOR 9,950 SF

EXISTING IMPERVIOUS AREAS (LOTS 1 & 2):
 EXISTING ASPHALT: 16,375 SF (24%)
 EXISTING CRUSHED STONE: 0 SF (0%)
 EXISTING IMPERVIOUS AREA: 16,375 SF (24%)
 PROPOSED IMPERVIOUS AREAS (LOTS 1&2):
 PROPOSED BUILDING FOOTPRINT: 9,950 SF
 PROPOSED ASPHALT: 6,670 SF
 PROPOSED CONCRETE: 4,820 SF
 PROPOSED PERVIOUS (NO SW CREDIT): 4,040 SF
 EXISTING IMPERVIOUS (TO REMAIN): 0 SF
 TOTAL IMPERVIOUS AREA (LOTS 1&2): 27,480 SF (40.4%)

PARKING REQUIRED: (RETAIL/OFFICE) 1,250 SF
 MINIMUM: 1,400 SF (1,250/400)
 MAXIMUM: 1,200 SF (1,250/200)
 PARKING REQUIRED: (VETERINARY CLINIC) 5,500 SF
 MINIMUM: 1,250 SF (5,500/250)
 MAXIMUM: 1,170 SF (5,500/170)
 PARKING REQUIRED: (KENNEL) 3,200 SF
 MINIMUM: 1,400 SF (3,200/400)
 MAXIMUM: 1,200 SF (3,200/250)

TOTAL PARKING REQUIRED (MINIMUM): 33
 TOTAL PARKING REQUIRED (MAXIMUM): 51
 TOTAL PARKING PROVIDED: 33
 CMAA LAND USE: WATERSHED RESOURCE PROTECTION
 PUBLIC WATER AND SEWER BY CPJUA
 EXISTING WATER FLOW: 0 GPD
 EXISTING SEWER FLOW: 0 GPD
 PROPOSED SEWER FLOW: 979 GPD
 PROPOSED SEWER FLOW (PROPOSED SEWER FLOW x 110%): 1,077 GPD
 PROPOSED SEWER FLOW (250 GPD/PRACTITIONER x 2 PRACTITIONERS): 500 GPD
 PROPOSED SEWER FLOW (20 GPD/KENNEL x 12 KENNELS): 240 GPD
 PROPOSED SEWER FLOW (120 GPD/1000 SF x 1,250 SF): 150 GPD

HANDICAP SPACES REQUIRED: PROPOSED
 (26-50 SPOTS=2 HANDICAP SPACES) 2 HANDICAP SPACES
 BICYCLE PARKING REQUIRED (33 SPACES): 5 BICYCLE PARKS
 BICYCLE PARKING PROVIDED: 5 BICYCLE PARKS
 TOTAL KENNEL AREA: 3,200 SF
 MAXIMUM ANIMALS: 100 ANIMALS

- ZONING**
- TOPOGRAPHY COMPLETED BY MICHAEL UNDERWOOD, AND ASSOC., PA
 - PERMITTING OF BUSINESS IDENTIFICATION SIGNAGE IS A SEPARATE PROCESS. CITY OF WILMINGTON WILL NOT ALLOW OBSTRUCTIONS WITHIN THE RIGHT-OF-WAY.
 - CONTRACTOR SHALL FIELD VERIFY SIZE, MATERIAL, INVERTS AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PROPOSED CONNECTIONS.
 - EXISTING EASEMENTS AS SHOWN
 - CONTRACTOR SHALL MAINTAIN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
 - UNDERGROUND FIRE LINE(S) MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC RIGHT-OF-WAY TO THE BUILDING. CONTACT THE WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910-341-0696.
 - BUILDING IS TYPE VB

- SOLID WASTE**
- SITE TO USE DUMPSTER.
- TRAFFIC**
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT 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.
 - CONTACT TRAFFIC ENGINEERING AT 341-7888 TO ENSURE THAT ALL TRAFFIC SIGNALS FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN.
 - CALL TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
 - ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
 - CONTACT 910-341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
 - ALL TRAFFIC CONTROL SIGNS AND MARKINGS OUT OF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
 - NO ROWS TO BE CLOSED.
 - NO STREETS PROPOSED.
 - OFF SITE PARKING PROPOSED AS SHOWN.
 - DRIVEWAYS TO MEET CITY STANDARDS.
 - ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE THERMOPLASTIC.
 - STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.
 - TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMPS.

- LANDSCAPING**
- A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND THE PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAN.
 - NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE TRIANGULAR SITE DISTANCE.
 - 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.
 - ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING OR STAGING OF MATERIALS WILL OCCUR IN THESE AREAS.
 - NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTIONS ON TREE PROTECTION METHODS.

- CPJUA**
- WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY (CPJUA) DETAILS AND SPECIFICATIONS.
 - PROJECT SHALL COMPLY WITH THE CPJUA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL.
 - THE CONTRACTOR DESIRES CPJUA WATER FOR CONSTRUCTION, HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE THE REQUIRED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPERS SIDE OF THE WATER METER BOX.
 - ANY IRRIGATION SYSTEM SUPPLIED BY CPJUA WATER SHALL COMPLY WITH THE CPJUA'S CONNECTION CONTROL REGULATION. CALL THE NORTH CAROLINA ONE CALL CENTER AT 1-800-632-4949 PRIOR TO DOING ANY DIGGING, CLEARING OR GRADING.
 - ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZER SENSOR.
 - CONTRACTOR TO FIELD VERIFY EXISTING WATER AND SEWER SERVICE LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF ANY CONFLICTS.
 - A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. CONTACT 910-341-5888 FOR MORE DETAILS.

- DRAINAGE**
- SHEET FLOW TO PROPOSED DROP INLETS TO PROPOSED WET DETENTION BASIN.

- CD ZONING CONDITIONS**
- THE PROPERTY SHALL BE SUBJECT TO ALL THE SPECIFIC REQUIREMENTS STATED IN THE LAND DEVELOPMENT CODE FOR THE PROPOSED USE AS WELL AS ANY ADDITIONAL CONDITIONS STATED BELOW.
 - IF FOR ANY REASON ANY CONDITION FOR APPROVAL IS FOUND TO BE ILLEGAL OR INVALID OR IF THE APPLICANT SHOULD FAIL TO ACCEPT ANY CONDITION FOLLOWING APPROVAL, THE APPROVAL OF THE SITE PLAN FOR THE DISTRICT SHALL BE NULL AND VOID AND OF NO EFFECT AND PROCEEDINGS SHALL BE INSTITUTED TO RETURN THE PLAN FOR DEVELOPMENT OF THE PROPERTY TO ITS PREVIOUS CONDITIONAL DISTRICT ZONING AND ASSOCIATED SITE PLAN.
 - THE USE AND DEVELOPMENT OF THE SUBJECT PROPERTY SHALL BE IN ACCORDANCE WITH THE PLAN AS SUBMITTED AND APPROVED. THE PERMITTED USES SHALL BE RESTRICTED TO THREE BUILDINGS TOTALING 9,950 SF WITH LIMITED COMMERCIAL AND OFFICE USES.
 - THE PROPOSED DEVELOPMENT SHALL BE LIMITED TO THE FOLLOWING USES:
 A. AMUSEMENT AND RECREATION SERVICES, INDOOR
 B. BANKING SERVICES
 C. BUSINESS SERVICES
 D. CONTRACTOR'S OFFICE
 E. GUN SALES, INCLUDING REPAIR
 F. OFFICES, PROFESSIONAL
 G. OFFICE MEDICAL
 H. PERSONAL SERVICES
 I. RETAIL ESTABLISHMENTS
 J. HARDWARE STORES
 K. SPAS AND HEALTH CLUBS
 L. ARCADES WITH COIN OPERATED AMUSEMENTS
 M. ARTS AND CRAFTS SHOPS
 N. BICYCLE SHOPS
 O. BOAT STORES
 P. CANDY STORES
 Q. CARPET AND RUG DEALERS
 R. HARDWARE STORES
 S. GIFT, NOVELTY AND SOUVENIR SHOPS
 T. DAIRY STORES
 U. CLOTHING SHOPS
 V. HOBBY, TOY AND GAME SHOPS
 W. JEWELRY STORES
 X. LIMITED OPTICAL STORES
 Y. PAINT, GLASS AND WALLPAPER STORES
 Z. PICTURE FRAME SHOPS
 AA. RADIO AND TELEVISION STORES
 AB. SHOE REPAIR SHOPS
 AC. SHOE STORES
 AD. SPECIALLY FOOD SHOPS
 AE. SPORTING GOODS SHOPS
 AF. KENNELS, COMMERCIAL BOARDERS AND BREEDERS
 AG. SPAS AND HEALTH CLUBS
 AH. AS A CONDITION OF THE PROPOSED EXCEPTIONAL DESIGN COMPONENTS AS PROPOSED BY THE APPLICANT, THE APPLICANT SHALL USE A MINIMUM 50% XERIC LANDSCAPING.
 AI. PLANT SPECIES SPECIFIED FOR XERISCAPING AREAS ARE TO BE DROUGHT TOLERANT.
 AJ. NO PERMANENT IRRIGATION IS PERMITTED IN XERISCAPED AREAS.
 AK. ALL TREES AND SHRUBS SHALL BE SELECTED FOR COMPATIBILITY WITH THE AREA'S CLIMATE AND SOIL TYPES.
 AL. AREAS OF XERISCAPING SHALL BE MAINTAINED BY THE OWNER IN PERPETUITY UNTIL AS SUCH TIME THE PROPERTY IS EVER REZONED.
 AM. THE SITE SHALL MEET THE DESIGN CRITERIA FOR EXCEPTIONALLY DESIGN PROJECTS IN ACCORDANCE WITH THE LDC.
 AN. THE PARKING AREA SHALL BE CONSTRUCTED WITH PERVIOUS MATERIAL AS SOILS ALLOW.
 AO. A SIDEWALK EASEMENT WILL BE REQUIRED IF SIDEWALK IS LOCATED ON SITE.
 AP. ALL REQUIREMENTS OF THE LAND DEVELOPMENT CODE SHALL BE MET.
 AQ. ALL LOCAL, STATE AND FEDERAL REQUIREMENTS SHALL BE MET.
 AR. ALL TRC REQUIREMENTS AND CONDITIONS SHALL BE MET.
 AS. CONDITIONS RETAINED FROM 2005 CONDITIONAL DISTRICT (CD-1-705) AS FOLLOWS:
 AT. NO AUXILIARY SIGNS OR FREESTANDING POLE SIGN SHALL BE PERMITTED ON THIS SITE. ALL FREESTANDING SIGNS SHALL BE MONUMENT SIGNS THAT COMPLY WITH THE CITY CODE. THE SIGN SHALL BE LANDSCAPED AROUND THE BASE AND SHALL NOT EXCEED 5 FEET IN HEIGHT OR 35 SF IN AREA.
 AU. DRIVEWAY ACCESS TO OLEANDER DRIVE SHALL BE PROHIBITED.
 AV. GILES AVENUE IS TO BE IMPROVED TO COMMERCIAL STREET STANDARDS, INCLUDING SIDEWALK INSTALLATION ON THE PROPOSED DEVELOPMENT SIDE OF THE CENTERLINE.
 AW. A PAYMENT-IN-LIEU SHALL BE PROVIDED FOR THE PORTION OF SIDEWALK LOCATED ALONG GILES AVENUE BETWEEN THE SOUTHERN PROPERTY LINE AND THE LOCATION AT WHICH THE SIDEWALK CONNECTS TO THE SITE'S INTERNAL SIDEWALK NETWORK, SOUTH OF THE SECOND DRIVEWAY.
 AX. ANIMALS MUST BE SUPERVISED AT ALL TIMES IN OUTDOOR AREAS.

Approved Construction Plan

Name: _____ Date: 8/21/16

Planning: _____ 8/25/16

Traffic: _____ 8/25/16

Fire: _____ 8/26/16

STORMWATER MANAGEMENT PLAN APPROVED

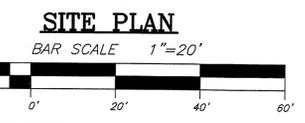
CITY OF WILMINGTON
 ENGINEERING DEPARTMENT

DATE: 8/25/16 PERMIT #: 2016032

SIGNED: *[Signature]*

NOTE: EXIST. UTILITY SERVICES NOT USED WILL NEED TO BE ABANDONED.

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



- LEGEND**
- - - - - EXISTING CONTOUR
 - --- PROPERTY BOUNDARY
 - SS --- PROPOSED SEWER
 - W --- PROPOSED WATER
 - SD --- PROPOSED STORM WATER
 - --- LIMITS OF DISTURBANCE
 - TSF --- TSF TEMPORARY SILT FENCE
 - --- PROPOSED CONCRETE AREA
 - --- PROPOSED PERVIOUS CONCRETE
 - --- TREE PROTECTION DO NOT DISTURB

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5631
 LICENSE NO. 00000000

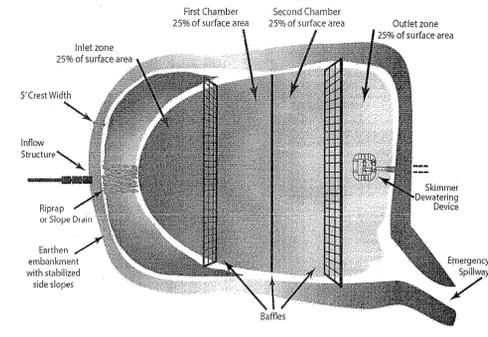
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C2

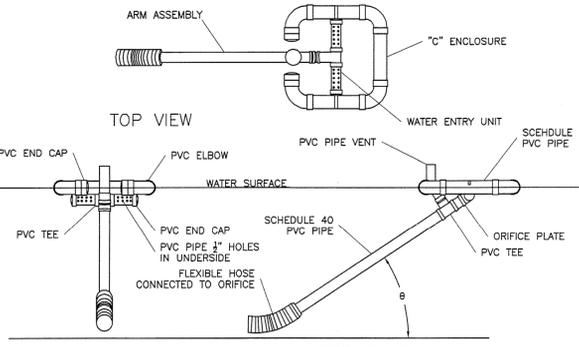
SHEET 2 OF 5
 15034

BAFFLE CONSTRUCTION SPECIFICATION:

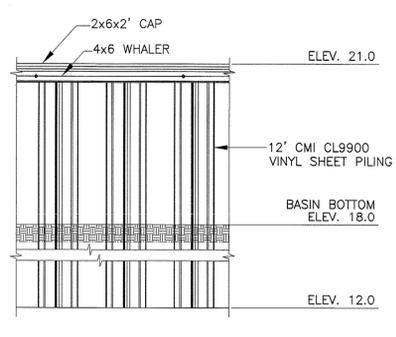
- MATERIALS**
- USE MATTING MADE OF 100% COCONUT FIBER (COIR) TWINE WOVEN INTO HIGH STRENGTH MATRIX.
 - STAPLES SHOULD BE MADE OF 0.125 INCH DIAMETER NEW STEEL WIRE FORMED INTO A 'U' SHAPE NOT LESS THAN 12 INCHES IN LENGTH WITH A THROAT OF 1 INCH IN WIDTH. THE STAPLES ANCHOR THE POROUS BAFFLES INTO THE SIDES AND BOTTOM OF THE BASIN.
 - ENSURE THE STEEL POSTS FOR POROUS BAFFLES ARE OF A SUFFICIENT HEIGHT TO SUPPORT BAFFLES AT DESIRED HEIGHT. POSTS SHOULD BE APPROXIMATELY 1-3/8" WIDE MEASURED PARALLEL TO THE FENCE, AND HAVE A MINIMUM WEIGHT OF 1.25 LB/LINEAR FT. THE POSTS MUST BE EQUIPPED WITH AN ANCHOR PLATE HAVING A MINIMUM AREA OF 14.0 SQUARE INCHES AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE TO HAVE A MEANS OF RETAINING WIRE AND COIR FIBER MAT IN THE DESIRED POSITION WITHOUT DISPLACEMENT.
 - USE 9-GAUGE HIGH TENSION WIRE FOR SUPPORT WIRE.
- CONSTRUCTION**
- GRADE THE BASIN SO THAT THE BOTTOM IS LEVEL FRONT TO BACK AND SIDE TO SIDE.
 - INSTALL THE COIR FIBER BAFFLES IMMEDIATELY UPON EXCAVATION OF THE BASIN.
 - INSTALL POSTS ACROSS THE WIDTH OF THE SEDIMENT TRAP.
 - STEEL POSTS SHOULD BE DRIVEN TO A DEPTH OF 24 INCHES AND SPACED A MAXIMUM OF 4 FEET APART. THE TOP OF THE FABRIC SHOULD BE 6 INCHES HIGHER THAN THE INVERT OF THE SPILLWAY. TOPS OF BAFFLES SHOULD BE 2 INCHES LOWER THAN THE TOP OF THE EARTHEN EMBANKMENT.
 - INSTALL AT LEAST THREE ROWS OF BAFFLES BETWEEN THE INLET AND OUTLET DISCHARGE POINT. BASINS LESS THAN 20 FEET IN LENGTH MAY USE 2 BAFFLES.
 - ATTACH A 9 GAUGE HIGH TENSION WIRE STRAND TO THE STEEL POSTS AT A HEIGHT OF 6 INCHES ABOVE THE SPILLWAY ELEVATION WITH PLASTIC TIES OR WIRE FASTENERS TO PREVENT SAGGING. IF THE TEMPORARY SEDIMENT BASIN WILL BE CONVERTED TO A PERMANENT STORMWATER BASIN OF A GREATER DEPTH, THE BAFFLE HEIGHT SHOULD BE BASED ON THE POOL DEPTH DURING USE AS A TEMPORARY SEDIMENT BASIN.
 - EXTEND 9 GAUGE MINIMUM HIGH TENSION WIRE STRAND TO SIDE OF BASIN OR INSTALL STEEL T-POSTS TO ANCHOR BAFFLE TO SIDE OF BASIN AND SECURE TO VERTICAL END POSTS.
 - DRAP THE COIR FIBER MAT OVER THE WIRE STRAND MOUNTED AT A HEIGHT OF 6 INCHES ABOVE THE SPILLWAY ELEVATION. SECURE THE COIR FIBER MAT TO THE WIRE STRAND WITH PLASTIC TIES OR WIRE FASTENERS. ANCHOR THE MATTING TO THE SIDES AND FLOOR OF THE BASIN WITH 12 INCH WIRE STAPLES, APPROXIMATELY 1 FT APART, ALONG THE BOTTOM AND SIDE SLOPES OF THE BASIN.
 - DO NOT SPLICE THE FABRIC, BUT USE A CONTINUOUS PIECE ACROSS THE BASIN.
 - ADJUSTMENTS MAY BE REQUIRED IN THE STAPLING REQUIREMENTS TO FIT INDIVIDUAL SITE CONDITIONS.



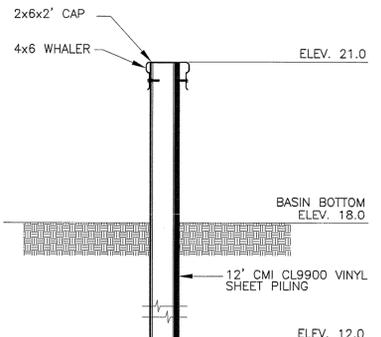
BAFFLE SPACING DETAIL
NTS



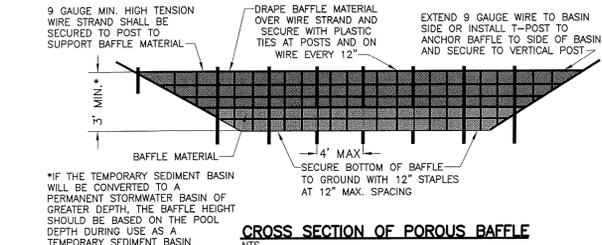
FAIRCLOTH SKIMMER DETAIL
NTS



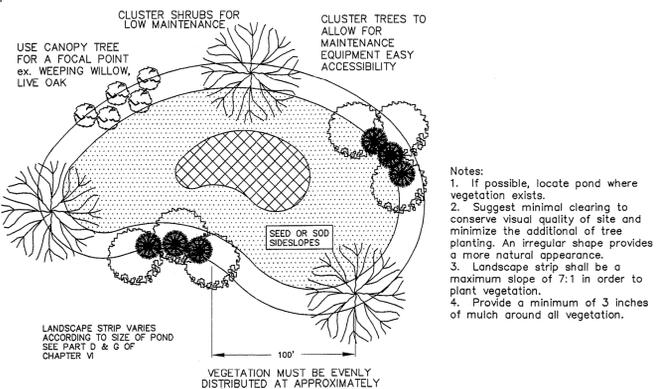
VINYL WALL ELEVATION
NTS



VINYL WALL SECTION
NTS



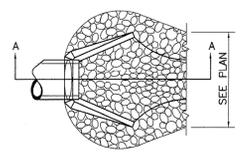
CROSS SECTION OF POROUS BAFFLE
NTS



TYPICAL CITY OF WILMINGTON STORMWATER FACILITY LANDSCAPING PLAN
NTS (SD 15-16)

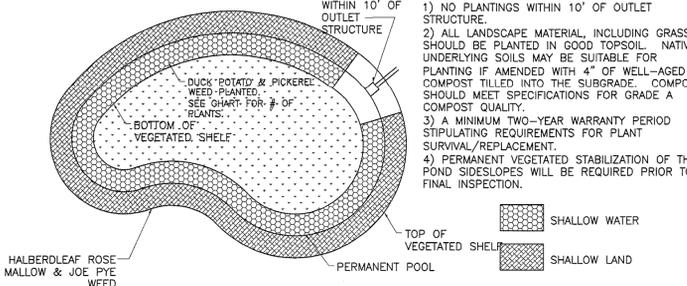
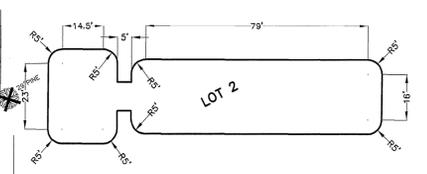
PLANT TYPE	QTY	BOTANICAL NAME	COMMON NAME	ROOT CALIPER
HERBACEOUS	125	SAGITTARIA LATIFOLIA	DUCK POTATO	CONT. 4" POT
HERBACEOUS	125	PONTEDARIA CORDATA	PICKEREL WEED	CONT. 4" POT
HERBACEOUS	135	HIBISCUS LACINIOSUS	TRAILER ROSE	CONT. 4" POT
HERBACEOUS	135	EPYPTORHYZON FRUTICOSUS	JOE PYE WEED	CONT. 4" POT

TEMPORARY GRAVELLED CONSTRUCTION ENTRANCE
NTS



ENERGY DISSIPATOR
NTS

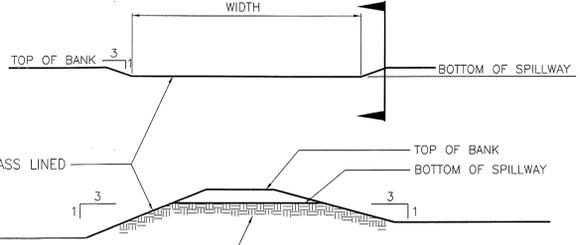
WET DETENTION BASIN PERMANENT POOL DIMENSIONS



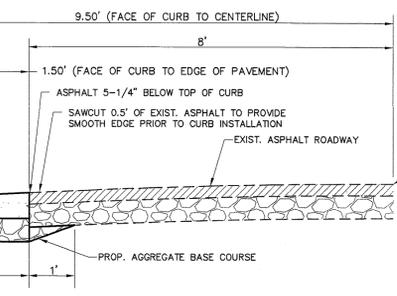
TYPICAL VEGETATED SHELF LANDSCAPING DETAIL
NTS

EMERGENCY SPILLWAY DATA

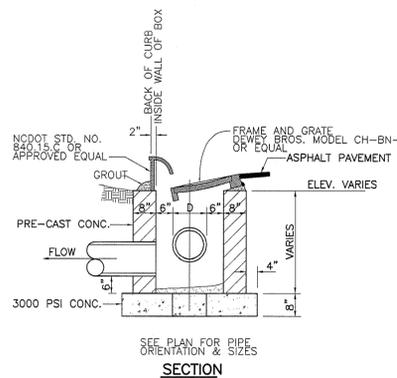
BASIN #	TOP OF BANK ELEV.	BOTTOM OF SPILLWAY ELEV.	WIDTH (FEET)
1	25.50	24.75	10



EMERGENCY SPILLWAY DETAIL
NTS

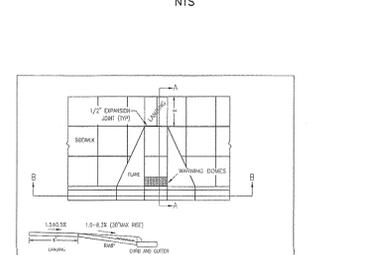


MINOR STREET WITH VERTICAL CURB DETAIL
NTS

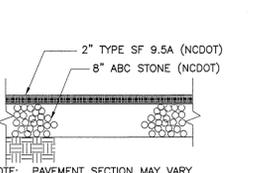


CURB INLET DETAIL
NTS

PERVIOUS CONCRETE/ASPHALT TRANSITION DETAIL
NTS



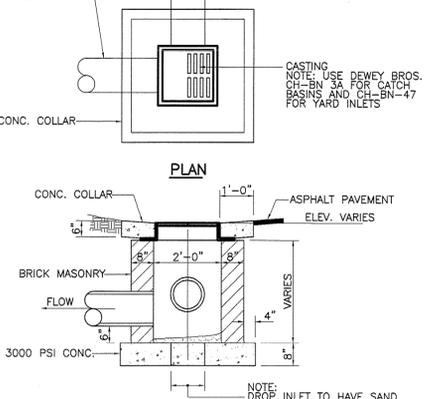
PERVIOUS CONCRETE PAVEMENT SECTION
NTS



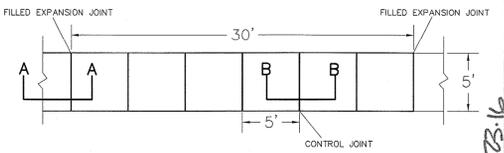
CITY OF WILMINGTON PAVEMENT SECTION
NTS

CITY OF WILMINGTON CURB RAMP SD 3-07
NTS

CURB SECTION
NTS

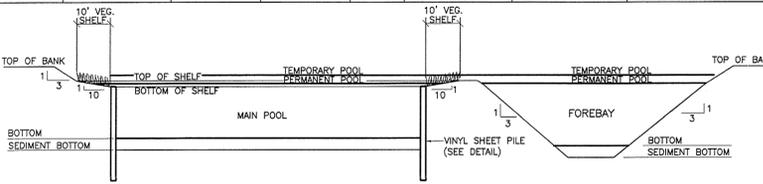


DROP INLET DETAIL
NTS



WET DETENTION BASIN OUTLET STRUCTURE
NTS

BASIN #	TOP OF BANK ELEV.	TEMPORARY POOL ELEV.	PERMANENT POOL ELEV.	SHWT	EMERGENCY SPILLWAY EL.	BOTTOM MAIN/FOREBAY	SEDIMENT BOTTOM MAIN/FOREBAY
1	25.50	22.50	21.50	23.92	24.75	18.0/18.5	17.0/17.5



WET DETENTION BASIN & FOREBAY SECTION
NTS

STORMWATER MANAGEMENT PLAN APPROVED

CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE 8/25/16 PERMIT # 2016032
SIGNED [Signature]

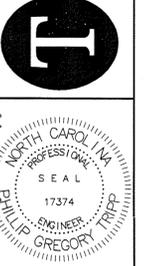
For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

Approved Construction Plan
Name [Name] Date 8/24/16
Planning [Signature] 8/25/16
Traffic [Signature] 8/26/16
Fire [Signature] 8/26/16

REVISIONS

No.	Date	Description	By

TRIPP ENGINEERING, P.C.
419 Chestnut Street
Wilmington, North Carolina 28401
Phone 910-763-5100
Fax 910-763-5631
© TRIPP ENGINEERING, P.C.



DATE 08-23-16
DESIGN PGT
DRAWN MLV

C5
SHEET 5 OF 5
15034

%%USITE DATA:

PROPERTY OWNER: SALAND HOLDINGS, LLC
 PROJECT ADDRESS: 202 GILES AVE.
 PROJECT NUMBER: R06207-013-013-000
 R06207-013-012-000
 R06207-013-011-000
 R06207-013-010-000
 R06207-013-009-000

AREA NOT IN A FEMA 100-YEAR FLOOD ZONE.
 ZONING DISTRICT: CB-COMMUNITY BUSINESS
 DISTURBED AREA: 1.7 Ac. x 15%
 26 Trees 2 Cal. Req'd.

SETBACKS REQUIRED: FRONT: 20'
 REAR: 10'
 SIDE: 0'
 CORNER LOT SIDE: 20'

PROPOSED BUILDING SETBACKS: FRONT: 20.5'
 REAR: 87'
 SIDE: 15'
 CORNER LOT SIDE: 94.5'

TRACT AREA: 68,103 SF (1.56 AC)

BUILDING USE: VETERINARY, KENNEL, RETAIL
 BUILDING TYPE: VB

PROPOSED BUILDING AREA (GROSS): 9,950 SF
 BUILDING LOT COVERAGE (9,950/68,103): 15%
 NUMBER OF UNITS: NA
 NUMBER OF BUILDINGS: 3
 BUILDING HEIGHT: 20'
 NUMBER OF STORIES: 1
 SF PER FLOOR (GROSS): 1st FLOOR 9,950 SF

EXISTING IMPERVIOUS AREAS:
 EXISTING BUILDING: 0 SF
 EXISTING CONCRETE: 16,375 SF
 EXISTING CRUSHED STONE: 0 SF
 EXISTING ASPHALT: 0 SF
 EXISTING IMPERVIOUS AREA: 16,375 SF (24%¹)

PROPOSED IMPERVIOUS AREAS:
 PROPOSED BUILDING FOOTPRINT: 9,950 SF
 PROPOSED ASPHALT: 6,670 SF
 PROPOSED CONCRETE: 4,820 SF
 PROPOSED PERVIOUS (0%¹ CREDIT): 4,040 SF
 EXISTING IMPERVIOUS (TO REMAIN): 0 SF
 TOTAL IMPERVIOUS AREA: 27,480 SF (40.4%¹)

PARKING REQUIRED: (RETAIL/OFFICE) 1,250 SF
 MINIMUM: 1,400 SF (1,250/400)
 MAXIMUM: 1,200 SF (1,250/200) 3

PARKING REQUIRED: (VETERINARY CLINIC) 5,500 SF
 MINIMUM: 1,250 SF (5,500/250)
 MAXIMUM: 1,170 SF (5,500/170) 22

PARKING REQUIRED: (KENNEL) 3,200 SF
 MINIMUM: 1,400 SF (3,200/400)
 MAXIMUM: 1,200 SF (3,200/250) 8

TOTAL PARKING REQUIRED (MINIMUM): 33
 TOTAL PARKING REQUIRED (MAXIMUM): 51
 TOTAL PARKING PROVIDED: 33

CAMA LAND USE: WATERSHED RESOURCE PROTECTION

PUBLIC WATER AND SEWER BY CFLUA
 EXISTING WATER FLOW: 0 GPD
 EXISTING SEWER FLOW: 0 GPD

PROPOSED WATER FLOW: 978 GPD
 PROPOSED SEWER FLOW: 880 GPD
 (250 GPD/PRACTITIONER x 2 PRACTITIONERS)
 (20 GPD/KENNEL x 12 KENNELS)
 (120 GPD/1000 SF x 1,250 SF)

HANDICAP SPACES REQUIRED: PROPOSED
 (26-50 SPOTS=2 HANDICAP SPACES) 2 HANDICAP SPACES
 33 SPACES

BICYCLE PARKING REQUIRED (33 SPACES): 5 BICYCLE PARKS
 BICYCLE PARKING PROPOSED: 5 BICYCLE PARKS

TOTAL KENNEL AREA: 3,200 SF
 MAXIMUM ANIMALS: 100 ANIMALS

No pine straw will be placed within 10 feet of any structure constructed with a combustable exterior building material.

LEGEND		
COMMON NAME	SIZE	QTY
FLOWER, PERENNIAL		
LIRIOPE, EMERALD GODDESS	3 GAL.	11
SHRUB, EVERGREEN BROADLEAF		
ABELIA, 'ROSE CREEK'	3 GAL.	58
MISCANTHUS SINENSIS	3 GAL.	32
CAMELLIA	5 GAL.	5
CLEYERA JAPONICA, 36" HT.	7 GAL.	19
HOLLY, YAUPON, DWARF	3 GAL.	63
LIGUSTRUM, JACK FROST	3 GAL.	13
PITTIOSPORUM	3 GAL.	9
KNOCKOUT ROSE, RED	3 GAL.	12
WAXMYRTLE	7 GAL.	80
TREE, DECIDUOUS		
GRAPE MYRTLE TUSCARORA	8-9' HT.	1
EUROPEAN HORNBEAM, COLUMNAR	3" CAL.	11
MAPLE, TRIDENT	25" CAL.	7
OAK, SHUMARD	25" CAL.	5
RIVER BIRCH	25" CAL.	7

LONG LEAF PINESTRAW IN ALL TREE AND PLANT BEDS.
 50% of the plantings shall be xeric/drought tolerant.

A rain/freeze sensor shall be used if there is an irrigation system.

USING THE CREATIVE STANDARD OF THE CODE 50% OF THE STREETYARDS SHALL BE PLANTED AS CALLED OUT.

PROPOSED IMPERVIOUS AREA 12,710 SF x 20% shading req'd. = 2542 sf
 PARKING / DRIVEWAYS 4949 sf Shading prov'd.

Oleander Dr. Secondary Streetyard:
 213lf x 9'w = 1917sf Req'd. landscape
 1 Canopy tree per 600sf = 3 trees
 6 shrubs per 600sf = 19 shrubs

Giles Ave. Primary Streetyard:
 419lf - 48f Drwy. = 371 x 9'w = 6678sf Req'd. landscape
 1 Canopy tree per 600sf = 11 trees
 6 shrubs per 600sf = 67 shrubs

per Creative Code:	Provided:
1674sf	
2	4
10	48
per Creative Code:	Provided:
1674sf	
6	8
34	42

The areas within the triangular sight distance shall be maintained free of all obstructions between 30" and 10'.

PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.

All planted and retained living material required to meet the provisions of the City of Wilmington Land Development Code, shall be perpetually protected and maintained to professionally accepted standards by joint and several responsibility of the owner, tenant and respective agents of the property on which the material is located.

Approved Construction Plan

Name: _____ Date: 8/24/16

Planning: _____

Traffic: _____

Fire: _____

STORMWATER MANAGEMENT PLAN APPROVED

CITY OF WILMINGTON
 ENGINEERING DEPARTMENT

DATE 8/15/16 PERMIT # 2016032
 SIGNED: _____

JIM@FREEMANLANDSCAPE.COM
 910-796-1166

Revision #: 2
 Date: 7/21/2016

Scale: 0 20
 1" = 20'

Landscape Plan:
Paws & Claws

Landscape Design by: James Freeman - NCLC# 71
Freeman Landscape, Inc.