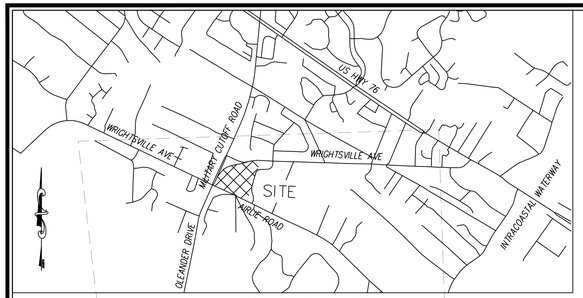


VICINITY MAP
(NTS)

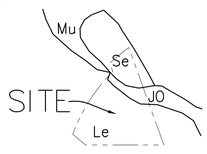
TREE INVENTORY

TREES TO BE REMOVED–

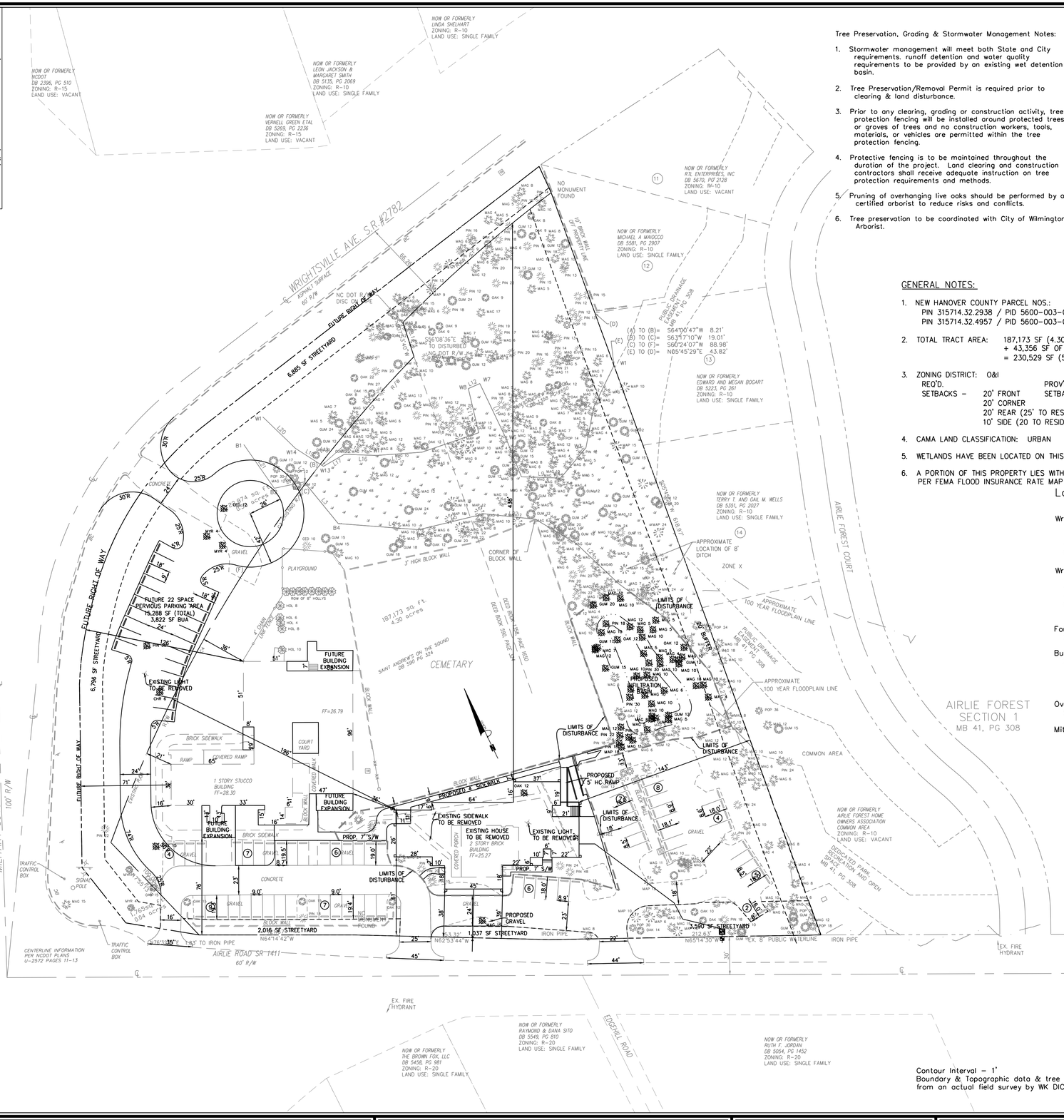
TREE TYPE	SIZE	REASON FOR REMOVAL	# Of TREES
GUM	12"	INFILTRATION BASIN	2
GUM	15"	INFILTRATION BASIN	2
GUM	17"	INFILTRATION BASIN	1
GUM	20"	INFILTRATION BASIN	1
MAGNOLIA	4"	INFILTRATION BASIN	2
MAGNOLIA	5"	INFILTRATION BASIN	7
MAGNOLIA	6"	INFILTRATION BASIN	1
MAGNOLIA	7"	INFILTRATION BASIN	1
MAGNOLIA	8"	INFILTRATION BASIN	2
MAGNOLIA	10"	INFILTRATION BASIN	12
MAGNOLIA	11"	INFILTRATION BASIN	1
MAGNOLIA	12"	INFILTRATION BASIN	4
MAGNOLIA	15"	DRIVE AISLE	1
MAGNOLIA	16"	INFILTRATION BASIN	1
MAGNOLIA	18"	INFILTRATION BASIN	1
OAK	12"	INFILTRATION BASIN/BUILDING	3
PINE	15"	INFILTRATION BASIN	1
PINE	18"	INFILTRATION BASIN	2
PINE	22"	INFILTRATION BASIN	1
PINE	30"	INFILTRATION BASIN	2

TREES TO BE PRESERVED–

TREE TYPE	SIZE	# Of TREES
CEDAR	10"	1
CEDAR	12"	1
CHERRY	6"	1
DOGWOOD	6"	1
GUM	10"	1
GUM	12"	22
GUM	14"	1
GUM	15"	10
GUM	16"	1
GUM	17"	2
GUM	18"	5
GUM	20"	5
GUM	24"	4
GUM	48"	1
HICKORY	6"	1
HOLLY	4"	2
HOLLY	6"	4
HOLLY	8"	6
HOLLY	10"	1
MAGNOLIA	4"	19
MAGNOLIA	5"	27
MAGNOLIA	6"	38
MAGNOLIA	7"	18
MAGNOLIA	8"	27
MAGNOLIA	9"	4
MAGNOLIA	10"	42
MAGNOLIA	11"	5
MAGNOLIA	12"	24
MAGNOLIA	13"	1
MAGNOLIA	14"	2
MAGNOLIA	15"	5
MAGNOLIA	16"	1
MAGNOLIA	17"	1
MAGNOLIA	18"	4
MAGNOLIA	24"	1
MAPLE	4"	1
MAPLE	5"	1
MAPLE	6"	1
MAPLE	9"	1
MAPLE	10"	4
MAPLE	12"	5
MAPLE	14"	1
MAPLE	15"	4
MAPLE	18"	2
MAPLE	24"	2
CRAPE MYRTLE	4"	3
CRAPE MYRTLE	6"	1
OAK	8"	7
OAK	9"	4
OAK	10"	2
OAK	12"	7
OAK	14"	1
OAK	15"	6
OAK	18"	1
OAK	20"	2
OAK	22"	1
PINE	12"	5
PINE	13"	5
PINE	14"	3
PINE	15"	11
PINE	16"	4
PINE	17"	4
PINE	18"	11
PINE	19"	1
PINE	20"	11
PINE	21"	2
PINE	22"	5
PINE	24"	4
PINE	27"	1
PINE	30"	2
PINE	48"	1
POPLAR	8"	1
POPLAR	10"	1
POPLAR	12"	2
POPLAR	14"	1
POPLAR	15"	1
POPLAR	18"	2
POPLAR	24"	2
POPLAR	30"	2
POPLAR	36"	1

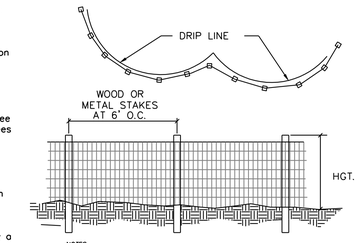


SOILS EXHIBIT



Tree Preservation, Grading & Stormwater Management Notes:

1. Stormwater management will meet both State and City requirements. runoff detention and water quality requirements to be provided by an existing wet detention basin.
2. Tree Preservation/Removal Permit is required prior to clearing & land disturbance.
3. 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.
4. Protective fencing is to be maintained throughout the duration of the project. Land clearing and construction contractors shall receive adequate instruction on tree protection requirements and methods.
5. Pruning of overhanging live oaks should be performed by a certified arborist to reduce risks and conflicts.
6. Tree preservation to be coordinated with City of Wilmington Arborist.



NOTES:
1. PRIOR TO ANY LAND DISTURBING ACTIVITIES, TREE PROTECTION FENCES SHALL BE INSTALLED ALONG THE DRIP LINES OF ALL EXISTING TREES LABELED AS TO BE RETAINED; NO STORAGE OF MATERIALS, FILL, ETC. AND NO PEDESTRIAN OR VEHICULAR TRAFFIC SHALL BE ALLOWED INSIDE OF THE FENCES DURING CONSTRUCTION.
2. TREE PROTECTION FENCING SHOULD BE LOCATED ONE FOOT OUT FROM THE TRUNK FOR EACH ONE INCH OF TRUCK DIAMETER.

Tree Protection Fence Detail

GENERAL NOTES:

NOTE: ALL TREES ON ADJACENT PROPERTY, NO MORE THAN 40% OF ROOT ZONE TO BE ENCROACHED

– TREES TO BE REMOVED

– TREES TO BE SAVED

1. NEW HANOVER COUNTY PARCEL NOS.:
   PIN 315714.32.2938 / PID 5600-003-001-000
   PIN 315714.32.4957 / PID 5600-003-008-001
2. TOTAL TRACT AREA: 187,173 SF (4.30 AC.±) EXISTING
   + 43,356 SF OF ADDITIONAL ROW ACQUISITION
   = 230,529 SF (5.29 AC±) TOTAL
3. ZONING DISTRICT: O&I

REQ'D.		PROV'D	
SETBACKS –	20' FRONT	SETBACKS –	38' FRONT
	20' CORNER		(N/A) CORNER
	20' REAR (25' TO RESIDENTIAL)		438' REAR
	10' SIDE (20 TO RESIDENTIAL)		143' SIDE

4. CAMA LAND CLASSIFICATION: URBAN
5. WETLANDS HAVE BEEN LOCATED ON THIS PROPERTY AND VERIFIED BY USACOE.
6. A PORTION OF THIS PROPERTY LIES WITHIN A FEMA DESIGNATED 100 YEAR FLOOD PLAIN PER FEMA FLOOD INSURANCE RATE MAP #3720315700J, EFFECTIVE DATE APRIL 3, 2006

Landscape Calculations:

	Req'd.
Wrightsville Avenue Primary Streetyard	
790 l.f. frontage – 30 l.f. driveway =	
760 X 18 (O&I District factor)	13,680 s.f.
@ 1 tree / 600 s.f.	23
@ 6 shrubs / 600 s.f.	137
Wrightsville Avenue Secondary Streetyard	
488 l.f. frontage – 48 l.f. driveway =	
440 X 9 (1/2 O&I District factor)	3,960 s.f.
@ 1 tree / 600 s.f.	7
@ 6 shrubs / 600 s.f.	40
Foundation Plantings –	
249 l.f. bldg. facade @ 32' hgt. X 12%	956 s.f.
Bufferyard –	
20' Along Rear Residential Use – 619 l.f.	
@ 3 Min. 20' high Trees/100 l.f.	6
2 Rows Evergreen Shrubs @ 12' O.C.	103
1 Row Evergreen Shrubs @ 6' O.C.	103
Overall Site –	
5.3 ac.± development area x 15 trees/ac.	80

Mitigation – WILL BE ACCOMPLISHED BY USE OF EXISTING VEGETATION

Site Inventory Notes:

1. Soils Type: JO (Johnston loam), Le (Leon) & Se (Seagate fine sand)
2. This property is not impacted by any AEC.
3. There are no Conservation Overlay boundaries affecting this property.
4. This site is not impacted by any recognized historic or archeological significance.
5. There is a cemetery located on this site.
6. Existing vegetation has been located and is labeled.
7. There is evidence of jurisdictional wetlands on the site.
8. There is no evidence of endangered species or habitat issues on the site.
9. The site drainage flows into the Bradley Creek drainage basin, SC classified waters.

Contour Interval – 1'
Boundary & Topographic data & tree locations compiled from an actual field survey by WK DICKSON

GRAPHIC SCALE
40 0 20 40 80
1 inch = 40 ft.

No.	Revision	Date	By

Designer GSP	Scale 1" = 40'
Drawn By GSP	Date JANUARY 2013
License # P-0718	Job No. 2013-0002

ST. ANDREWS ON-THE-SOUND EXPANSION
Wilmington New Hanover County North Carolina

SITE PLAN

PREPARED FOR:
ST. ANDREWS ON-THE-SOUND EPISCOPAL CHURCH
101 AIRLIE ROAD
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. C-1

Utility Notes:

1. Existing water and sanitary sewer services are currently available to the site from Cape Fear Public Utility Authority public mains.

2. All utility services, such as electric power, CATV, gas & telephone shall be installed underground.

3. All water & sewer utilities to be installed per CFPUA Technical Specifications & Standards.

4. Project shall comply with CFPUA Cross Connection Control requirements. Water meter(s) cannot be released until all requirements are met and N.C.D.E.N.R. has issued their "Final Approval.". Call 343-3910 for information.

5. Any backflow prevention devices required by the CFPUA will need to be on the list of approved devices by USCFCCCHR or ASSE.

6. Water & sewer services can not be activated on new mains until the Engineer's Certification and as-builts are received and "Final Approval" issued by the Public Water Supply Section of NCDENR, and "Final Engineering Certification" issued by Division of Water Quality Section of NCDENR.

7. If contractor desires CFPUA 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.

8. When PVC water mains and services are proposed, the pipes are to be marked with No. 10 insulated, single-strand copper wire installed & strapped to the pipes with duct tape. This is to be accessible in all valves and meter boxes to aid in future location of facilities.

9. The contractor is responsible for the location and protection or existing utilities during construction. Call U-LOCO at 1-800-632-4949. Contractor is responsible for the repair and replacement of any utilities, curb & gutter, pavement, etc. that may be be damaged during construction. Damaged items shall be repaired to at least the quality or workmanship found in the original item.

10. The BellSouth contact is Steve Dayvault, Building Industry Consultant, at 910-392-8712. Contact him prior to starting the project in order to facilitate good communication and maximum flexibility.

11. The process for telephone cable placement:
    * Final grade will need to be established.
    * Power will place their cable first - approximately 3' deep.
    * BellSouth & Cable TV will then place their cable at approximately 2' deep.

12. Existing Solid waste disposal is handled by curbside pickup.

Traffic Notes:

1. All pavement markings in public rights-of-way & for driveway are to be thermoplastic & meet City and/or NCDOT standards.

2. 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.

3. Contact Tom Platt, with Traffic Engineering, at 341-7888 to ensure that all traffic signal facilities and equipment are shown on the plan. Add a note to call Traffic Engineering forty-eight (48) hours prior to any excavation in the R/W.

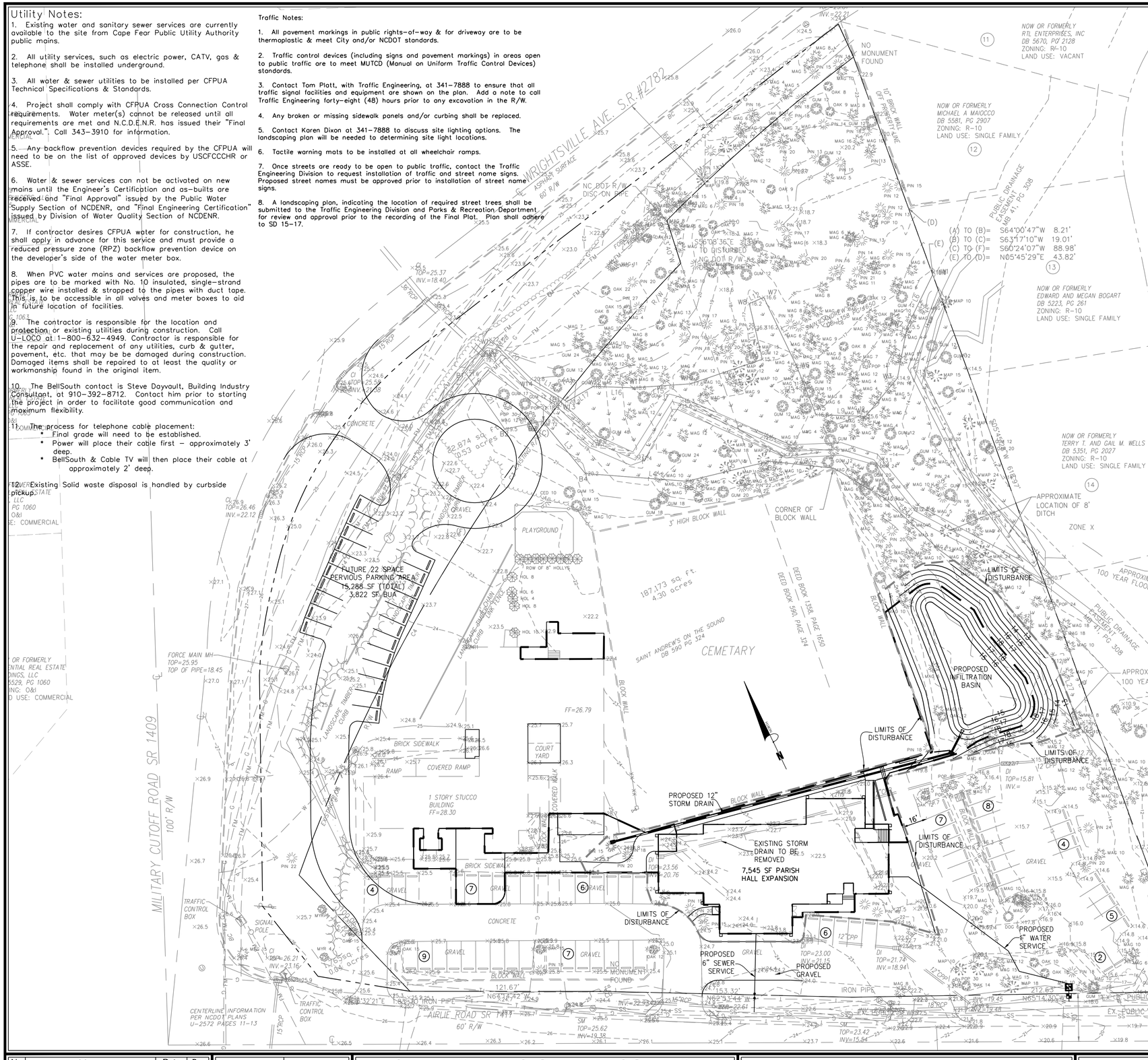
4. Any broken or missing sidewalk panels and/or curbing shall be replaced.

5. Contact Karen Dixon at 341-7888 to discuss site lighting options. The landscaping plan will be needed to determining site light locations.

6. Tactile warning mats to be installed at all wheelchair ramps.

7. Once streets are ready to be open to public traffic, contact the Traffic Engineering Division to request installation of traffic and street name signs. Proposed street names must be approved prior to installation of street name signs.

8. A landscaping plan, indicating the location of required street trees shall be submitted to the Traffic Engineering Division and Parks & Recreation Department for review and approval prior to the recording of the Final Plat. Plan shall adhere to SD 15-17.



Contour Interval - 1'
Boundary & Topographic data & tree locations compiled from an actual field survey by WK DICKSON

DEVELOPMENT DATA:

TOTAL TRACT AREA = 187,173 SF = 4.30 AC. (EXISTING)
+ 43,356 SF FUTURE ROW ACQUISITION
= 230,529 SF (5.29 A.C.)

DEVELOPMENT AREA - 5.29 A.C.

BUILDING COVERAGE - 9,849 S.F. (EXISTING)
7,545 S.F. (PROPOSED)
2,119 S.F. (FUTURE)
19,513 S.F. (8.5% TOTAL)

MAX. BLDG. HGT. - 45' (PROPOSED 32') (EXISTING 28')

PARKING -
242 SEATS X 4 MIN. SP./SEAT = 61
MINIMUM TOTAL SPACES REQUIRED = 61
242 SEATS X 3 MAX. SP./SEAT = 81
MAXIMUM TOTAL SPACES PERMITTED = 81
** 59 EXISTING SPACES PROVIDED (2 H/C) **
** 22 FUTURE SPACES **
** 81 TOTAL SPACES **

IMPERVIOUS SURFACES -

EXISTING TO REMAIN	
BUILDING -	9,849 S.F.
PARKING AREA -	27,420 S.F.
CONC. WALKS -	3,232 S.F.
TOTAL -	40,501 S.F.
PROPOSED	
BUILDING -	7,545 S.F.
PARKING -	202 S.F.
CONC. WALKS -	2,428 S.F.
TOTAL -	10,175 S.F.
FUTURE	
BUILDING -	2,119 S.F.
PERMEABLE PAVEMENT (15,288 S.F.) (B-SOILS USE 25%)	3,822 S.F.
CONC. WALKS -	1,493 S.F.
TOTAL -	7,434 S.F.

PROPOSED/FUTURE TOTAL - 17,609 S.F. (43.5% OF EXISTING)

UTILITY CAPACITY REQUESTS:
EXISTING WATER/SEWER - 1,452 GPD BASED ON 6 GAL/SEAT/DAY, 242 SEATS NOT ADDING ADDITIONAL FLOW WITH THIS PROPOSED EXPANSION.

Fire & Life Safety Notes:

1. New hydrants must be available for use prior to construction of the buildings within any development.

2. Hydrants must be located within 8' of the curb.

3. Temporary street signs shall be installed at each street intersection when construction of new roadways allows passage by vehicles.

4. Contractor shall maintain an all weather access for emergency vehicles at all times during construction.

5. A minimum of 5' shall separate underground fire lines or private water mains from other underground utilities.

6. Underground fire line & private water mains must be permitted & inspected by the Wilmington Fire Department from the public right-of-way to the building. Contact the WFD - Division of Fire & Life Safety at 910-343-0696 for additional information.

7. Construction Type - 5B

8. The FDC must be within 150' of a fire hydrant & within 40' of fire apparatus placement.

9. Landscaping or parking can not block or impede the FDC or fire hydrants. A 3-foot (3') clear space shall be maintained around the circumference of hydrants and FDC.

10. Installation of security gates across a fire apparatus road or parking lot will require pre-approval by Wilmington Fire Department.

Utility Notes:

1. Existing water is available via an existing main onsite from the Cape Fear Public Utilities Authority. Wastewater will be collected and conveyed to the existing sewer main via gravity.

2. All utility services, such as electric power, CATV, gas & telephone shall be installed underground.

3. Project shall comply with Cape Fear Public Utilities Authority Cross Connection Control requirements. Water meter(s) cannot be released until all requirements are met and N.C.D.E.N.R. has issued their "Final Approval.". Call 343-3910 for information.

4. Any backflow prevention devices required by the Cape Fear Public Utilities Authority will need to be on the list of approved devices by USCFCCCHR or ASSE.

5. Water & sewer services can not be activated on new mains until the Engineer's Certification and as-builts are received and "Final Approval" issued by the Public Water Supply Section of NCDENR, and "Final Engineering Certification" issued by Division of Water Quality Section of NCDENR.

6. If contractor desires Cape Fear Public Utilities Authority 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.

7. When PVC water mains and services are proposed, the pipes are to be marked with No. 10 insulated copper wire installed and strapped to the to the pipes with duct tape. The insulated wire is to be stripped to bare wire and secured tol all valves and fittings. This wire is to be accessible in all valve & meter boxes to aid in future location of facilities.

8. The contractor is responsible for the location and protection or existing utilities during construction. Call U-LOCO at 1-800-632-4949.

   Contractor is responsible for the repair and replacement of any utilities, curb & gutter, pavement, etc. that may be be damaged during construction. Damaged items shall be repaired to at least the quality or workmanship found in the original item.

9. The BellSouth contact is Steve Dayvault, Building Industry Consultant, at 910-392-8712. Contact him prior to starting the project in order to facilitate good communication and maximum flexibility.

10. The process for telephone cable placement:
* Final grade will need to be established.
* Power will place their cable first - approx. 3' deep.
* BellSouth & Cable TV will then place their cable at approximately 2' deep.

11. Solid waste disposal is by dumpster pickup by private service.

Grading & Stormwater Management Notes:

1. Stormwater management will meet City & State requirements.

2. Stormwater management systems shall be integrated into the landscaping plan by employing rain gardens, bioretention units, constructed wetlands, and infiltration areas, as combined landscaping/stormwater management features where feasible.

3. Stormwater runoff shall be directed to landscape islands and planting areas where practical to reduce irrigation needs and to take advantage of water quality and water recharge benefits.

4. All storm drain to be Private.

No.	Revision	Date	By

Designer: GSP	Scale: 1" = 30'
Drawn By: GSP	Date: JANUARY 2013
License #: P-0718	Job No.: 2013-0002

ST. ANDREWS ON-THE-SOUND EXPANSION

Wilmington — New Hanover County — North Carolina

UTILITY & DRAINAGE PLAN

PREPARED FOR:
ST. ANDREWS ON-THE-SOUND EPISCOPAL CHURCH
101 AIRLIE ROAD
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.
C-2

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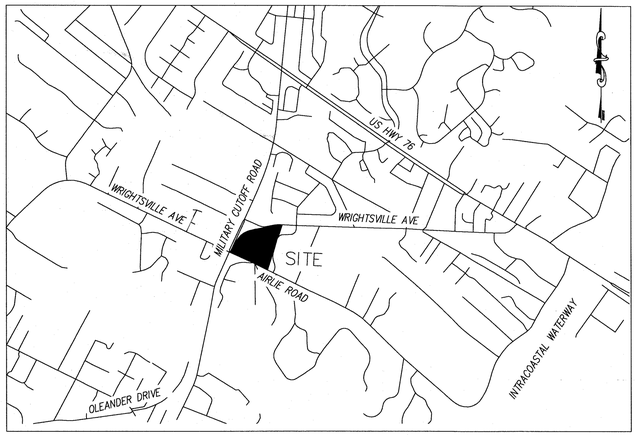


VICINITY MAP
NOT TO SCALE

CERTIFICATE OF ACCURACY AND MAPPING

I, L. SCOTT BAGGIE, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION FROM MAP RECORDED IN DEED BOOK 1358, PAGE 1650, AND OTHER MAPS AND DEEDS AS SHOWN HEREON; THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION INDICATED HEREON; THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000±, THAT THIS PLAT WAS NOT PREPARED IN ACCORDANCE WITH G. S. 47-30 AS AMENDED. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 17 DAY OF NOVEMBER, A.D., 2010.

L. SCOTT BAGGIE, P.L.S. LICENSE NO. L-3450

(A) TO (B)= S64°00'47"W 8.21'
(B) TO (C)= S63°17'10"W 19.01'
(C) TO (F)= S60°24'07"W 88.98'
(E) TO (D)= N05°45'29"E 43.82'

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD	BEARING
C1	154.47	1095.92	154.34	S74°33'00"W
C2	103.74	1072.90	103.70	S67°00'08"W
C3	116.23	1072.90	116.17	S61°07'44"W
C4	116.20	1072.90	116.14	S54°55'22"W
C5	116.06	1072.90	116.00	S48°43'16"W

LINE TABLE		
LINE	LENGTH	BEARING
L1	41.77	S09°05'21"E
L2	24.01	S76°04'23"E
L3	42.07	S13°33'47"E
L4	63.28	S59°54'15"E
L5	52.85	S77°51'51"E
L6	37.54	S51°45'31"W
L7	32.41	S36°30'31"W
L8	30.96	S65°26'17"W
L9	30.86	N62°17'21"W
L10	32.23	N03°53'39"E
L11	47.79	N00°14'16"E
L12	9.85	N87°58'12"W
L13	35.55	S12°30'39"W
L14	47.03	N83°11'34"W
L15	35.73	N68°16'37"W
L16	25.20	N62°18'16"W
L17	18.89	S85°48'16"W
L18	26.12	N31°35'57"W
L19	35.54	N20°17'08"W

GENERAL NOTES

1. THE UNDERGROUND UTILITIES SHOWN HEREON ARE PLATTED FROM PLANS OR THE ACTUAL FIELD LOCATION OF VISIBLE EVIDENCE, MARKINGS BY UTILITY CONTRACTORS AND OWNERS, AND ABOVE-GROUND STRUCTURES. UNDERGROUND UTILITIES OTHER THAN THOSE SHOWN HEREON MAY EXIST.

2. A PORTION OF THE AREA OF SURVEY SHOWN HEREON LIES WITHIN A F.E.M.A. DESIGNATED 100 YEAR FLOOD PLAIN ACCORDING TO COMMUNITY PANELS NUMBER 3720315700J, EFFECTIVE DATE APRIL 3, 2006.

3. VERTICAL DATUM IS BASED ON NAVD88.

4. HORIZONTAL DATUM IS BASED ON NC GRID NAD83 (2007).

5. AREA HATCHED WAS ACQUIRED BY NCDOT. REFERENCE (U-2572, SHEETS 6 AND 11).

6. AREA CALCULATED BY COORDINATES

7. WETLANDS DELINIATED BY U.S. CORPS OF ENGINEERS. (PRELIMINARY)

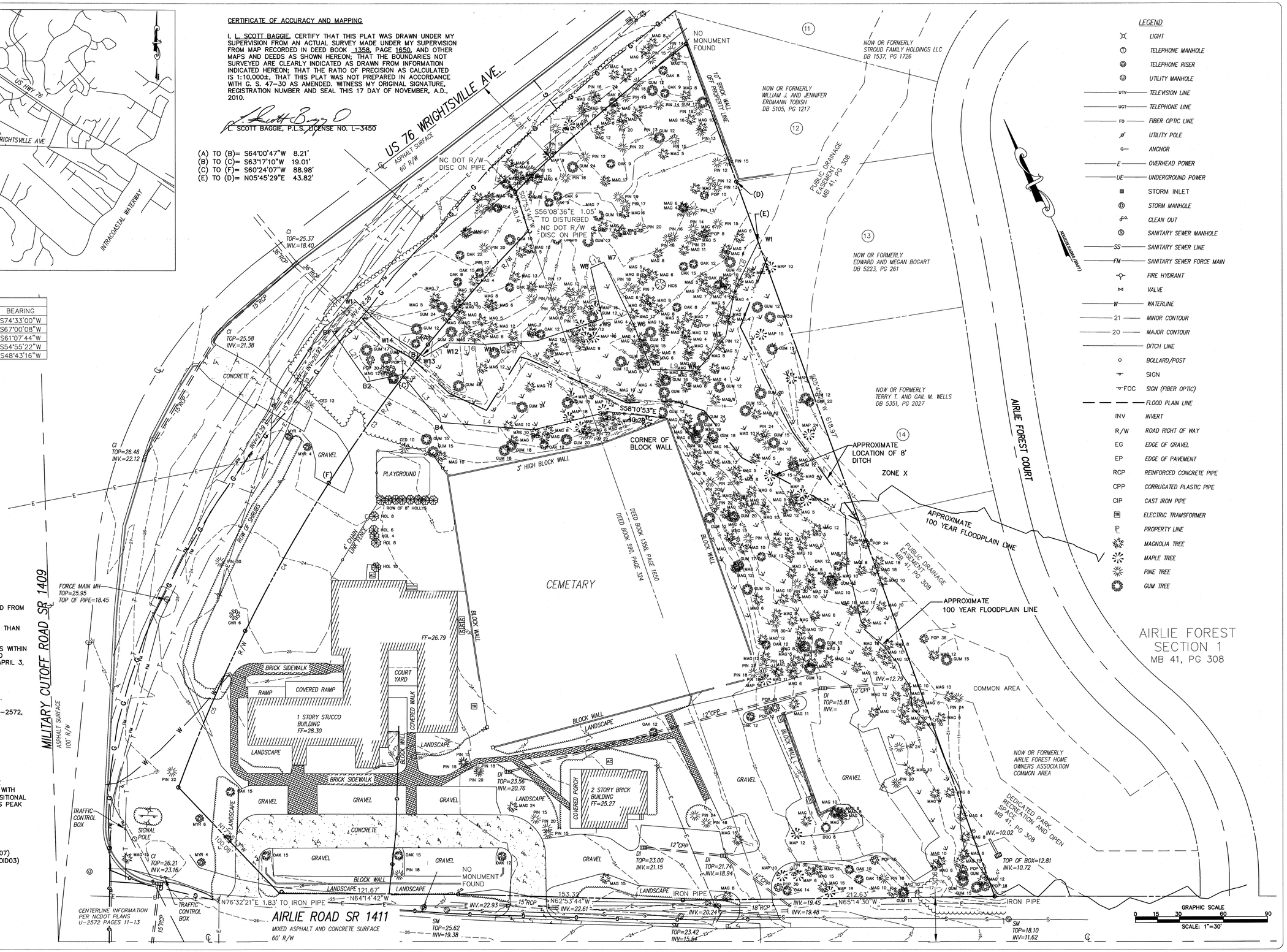
8. NO NC GRID MONUMENTS WITHIN 2000' OF PROPERTY.

9. THE STATE PLANE COORDINATES FOR THIS PROJECT WERE PRODUCED WITH STATIC GPS OBSERVATIONS AND PROCESSED WITH ONLINE POSITIONING USER SERVICE (OPUS). THE NETWORK POSITIONAL ACCURACY OF THE OPUS DERIVED POSITIONAL INFORMATION IS PEAK VALUES.THE FOLLOWING CORS WERE USED BY OPUS

PID	DESIGNATION
DK3336	NCSL SHALLOTTE CORS ARP
DM3521	NCFF FORT FISHER CORS ARP
DK7086	NCCH CASTLE HAYNE 2007 CORS ARP

HORIZONTAL POSITIONS ARE REFERENCED TO NAD83\NSRS(2007)
VERTICAL POSITIONS ARE REFERENCED TO NAVD88 USING (GEOID03)
COMBINED FACTOR 1.00003786.

10. SOME PLANIMETRICS AQUIRED FROM OTHERS.



LEGEND

	LIGHT
	TELEPHONE MANHOLE
	TELEPHONE RISER
	UTILITY MANHOLE
TV	TELEVISION LINE
UGT	TELEPHONE LINE
FO	FIBER OPTIC LINE
	UTILITY POLE
	ANCHOR
E	OVERHEAD POWER
UE	UNDERGROUND POWER
	STORM INLET
	STORM MANHOLE
	CLEAN OUT
	SANITARY SEWER MANHOLE
SS	SANITARY SEWER LINE
FM	SANITARY SEWER FORCE MAIN
	FIRE HYDRANT
	VALVE
W	WATERLINE
21	MINOR CONTOUR
20	MAJOR CONTOUR
	DITCH LINE
	BOLLARD/POST
	SIGN
FOC	SIGN (FIBER OPTIC)
	FLOOD PLAIN LINE
INV	INVERT
R/W	ROAD RIGHT OF WAY
EG	EDGE OF GRAVEL
EP	EDGE OF PAVEMENT
RCP	REINFORCED CONCRETE PIPE
CPP	CORRUGATED PLASTIC PIPE
CIP	CAST IRON PIPE
	ELECTRIC TRAMSFORMER
	PROPERTY LINE
	MAGNOLIA TREE
	MAPLE TREE
	PINE TREE
	GUM TREE

REV. NO.	DESCRIPTION	DATE
	REVISIONS	

PROJECT MANAGER SB	DRAWING SCALE 1"=30'
DRAWN BY JWJ	PROJECT DATE 11/2010
APPROVED BY SB	PROJECT NUMBER 20100210
FILE NAME ST AND TOPO	PLOT DATE 12/2010

WK DICKSON
community infrastructure consultants

909 MARKET STREET
WILMINGTON, NC 28401
(910) 762-4200

Office Locations: North Carolina
South Carolina
Georgia
NC LICENSE NO. F-0374

RELEASED FOR	DATE
APPROVALS	
BIDDING	
CONSTRUCTION	
RECORD DWG.	

NORTH CAROLINA PROFESSIONAL SEAL No. L-3450 LAND SURVEYOR SCOTT BAGGIE

SAINT ANDREWS ON THE SOUND

101 AIRLIE ROAD
WILMINGTON, NORTH CAROLINA 28403

OVERALL SITE PLAT

CITY OF WILMINGTON, WILMINGTON TOWNSHIP
NEW HANOVER COUNTY, NORTH CAROLINA

12/21/2010 10:39 AM
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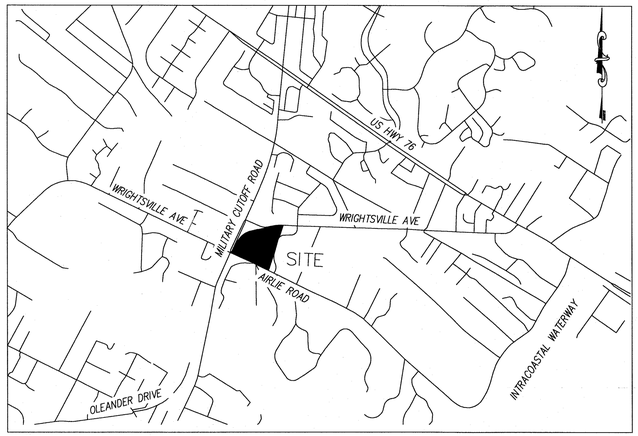


VICINITY MAP
NOT TO SCALE

CERTIFICATE OF ACCURACY AND MAPPING

I, L. SCOTT BAGGIE, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION FROM MAP RECORDED IN DEED BOOK 1358, PAGE 1650, AND OTHER MAPS AND DEEDS AS SHOWN HEREON; THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION INDICATED HEREON; THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000±, THAT THIS PLAT WAS NOT PREPARED IN ACCORDANCE WITH G. S. 47-30 AS AMENDED. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 17 DAY OF NOVEMBER, A.D., 2010.

L. SCOTT BAGGIE, P.L.S. LICENSE NO. L-3450

GENERAL NOTES

1. THE UNDERGROUND UTILITIES SHOWN HEREON ARE PLATTED FROM PLANS OR THE ACTUAL FIELD LOCATION OF VISIBLE EVIDENCE, MARKINGS BY UTILITY CONTRACTORS AND OWNERS, AND ABOVE-GROUND STRUCTURES. UNDERGROUND UTILITIES OTHER THAN THOSE SHOWN HEREON MAY EXIST.

2. A PORTION OF THE AREA OF SURVEY SHOWN HEREON LIES WITHIN A F.E.M.A. DESIGNATED 100 YEAR FLOOD PLAIN ACCORDING TO COMMUNITY PANELS NUMBER 3720315700J, EFFECTIVE DATE APRIL 3, 2006.

3. VERTICAL DATUM IS BASED ON NAVD88.

4. HORIZONTAL DATUM IS BASED ON NC GRID NAD83 (2007).

5. AREA HATCHED WAS ACQUIRED BY NCDOT. REFERENCE (U-2572, SHEETS 6 AND 11).

6. AREA CALCULATED BY COORDINATES

7. WETLANDS DELINIATED BY U.S. CORPS OF ENGINEERS. (PRELIMINARY)

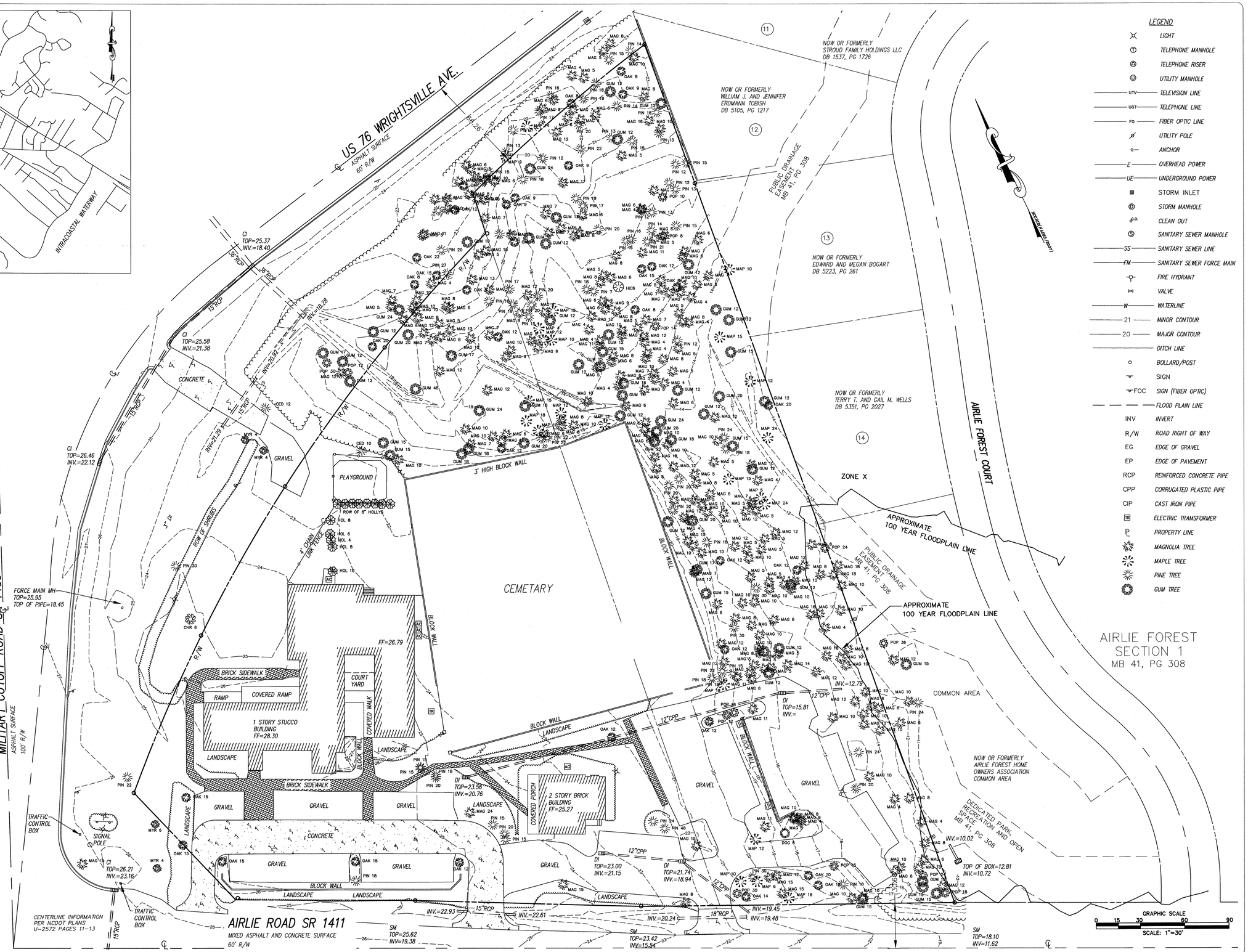
8. NO NC GRID MONUMENTS WITHIN 2000' OF PROPERTY.

9. THE STATE PLANE COORDINATES FOR THIS PROJECT WERE PRODUCED WITH STATIC GPS OBSERVATIONS AND PROCESSED WITH ONLINE POSITIONING USER SERVICE (OPUS). THE NETWORK POSITIONAL ACCURACY OF THE OPUS DERIVED POSITIONAL INFORMATION IS PEAK VALUES.THE FOLLOWING CORS WERE USED BY OPUS

PID	DESIGNATION
DK3336	NCSL SHALLOTTE CORS ARP
DM3521	NCFF FORT FISHER CORS ARP
DK7086	NCCH CASTLE HAYNE 2007 CORS ARP

HORIZONTAL POSITIONS ARE REFERENCED TO NAD83\NSRS(2007)
VERTICAL POSITIONS ARE REFERENCED TO NAVD88 USING (GEOID03)
COMBINED FACTOR 1.00003786.

10. SOME PLANIMETRICS AQUIRED FROM OTHERS.



LEGEND

	LIGHT
	TELEPHONE MANHOLE
	TELEPHONE RISER
	UTILITY MANHOLE
UTV	TELEVISION LINE
UGT	TELEPHONE LINE
FO	FIBER OPTIC LINE
	UTILITY POLE
	ANCHOR
E	OVERHEAD POWER
UE	UNDERGROUND POWER
	STORM INLET
	STORM MANHOLE
	CLEAN OUT
	SANITARY SEWER MANHOLE
SS	SANITARY SEWER LINE
FM	SANITARY SEWER FORCE MAIN
	FIRE HYDRANT
	VALVE
W	WATERLINE
21	MINOR CONTOUR
20	MAJOR CONTOUR
	DITCH LINE
	BOLLARD/POST
	SIGN
FOC	SIGN (FIBER OPTIC)
	FLOOD PLAIN LINE
INV	INVERT
R/W	ROAD RIGHT OF WAY
EG	EDGE OF GRAVEL
EP	EDGE OF PAVEMENT
RCP	REINFORCED CONCRETE PIPE
CPP	CORRUGATED PLASTIC PIPE
CIP	CAST IRON PIPE
TR	ELECTRIC TRAMSFORMER
	PROPERTY LINE
	MAGNOLIA TREE
	MAPLE TREE
	PINE TREE
	GUM TREE

REV. NO.	DESCRIPTION	DATE
	REVISIONS	

PROJECT MANAGER SB	DRAWING SCALE 1"=30'
DRAWN BY JWJ	PROJECT DATE 11/2010
APPROVED BY SB	PROJECT NUMBER 20100210
FILE NAME ST AND TOPO	PLOT DATE 12/2010

WK DICKSON
community infrastructure consultants

909 MARKET STREET
WILMINGTON, NC 28401
(910) 762-4200

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NORTH CAROLINA PROFESSIONAL SEAL NO. L-3450 LAND SURVEYOR SCOTT BAGGIE
12/10

SAINT ANDREWS ON THE SOUND

101 AIRLIE ROAD
WILMINGTON, NORTH CAROLINA 28403

TREE LOCATION PLAT

CITY OF WILMINGTON, WILMINGTON TOWNSHIP
NEW HANOVER COUNTY, NORTH CAROLINA

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