

PRELIMINARY PLAT SUBMITTAL BRIAR CHAPEL DEVELOPMENT PHASE 5 NORTH

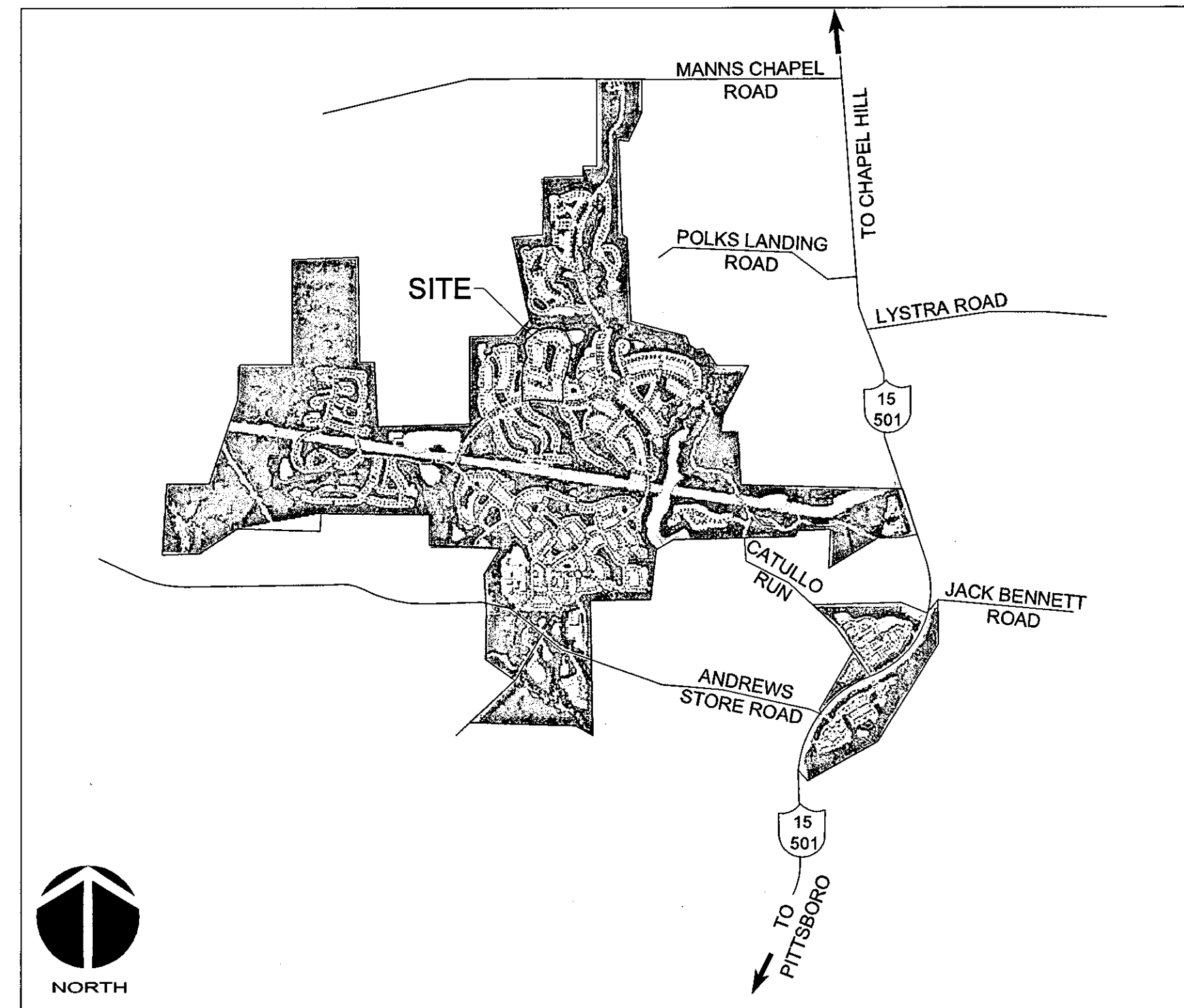
FOR
NNP BRIAR CHAPEL, LLC
CHATHAM COUNTY, NC
DATE: SEPTEMBER 10, 2010

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COUNTY AND AGENCY CONTACTS

A. Chatham County Environmental Services Dunlap Building 80 East Street Pittsboro, NC 27312 (919) 542-8268 phone Contact: Fred Royal, PE Email: fred.royal@chathamnc.org	D. NCDENR Division of Water Quality 2321 Crabtree Blvd., Suite 250 Raleigh, NC 27604 (919) 791-4200 phone Contact: Annette Lucas Email: Annette.Lucas@ncdenr.gov
B. Chatham County Soil Erosion and Sedimentation Control Dunlap Building 80 East Street Pittsboro, NC 27312 (919) 545-8339 phone Contact: Rachael Thorn Email: rachael.thorn@chathamnc.org	E. NCDENR Division of Environmental Health Public Water Supply Section 1634 Mail Service Center Raleigh, NC 27699-1634 (919) 715-3226 phone Contact: Henri Ou Email: heinrich.ou@ncdenr.gov
C. NCDOT Division 8, District 1 300 Country Club Drive P.O. Box 1164 Asheboro, NC 27204 (336) 629-1423 phone Contact: Reuben Blakley, PE Email: rblakley@ncdot.gov	F. NCDENR Division of Water Quality Surface Water Protection 3800 Barrett Drive Raleigh, NC 27609 (919) 791-4200 phone Contact: Barry Herzberg Email: barry.herzberg@ncdenr.gov



VICINITY MAP

NTS

BRIAR CHAPEL™
by
Newland COMMUNITIES

MCKIM & CREED
1730 Varsity Drive, Suite 500
Raleigh, North Carolina 27606
Phone: (919)233-8091, Fax: (919)233-8031
C-0342
www.mckimcreed.com

PROJECT DATA

NAME OF PROJECT:

BRIAR CHAPEL DEVELOPMENT - PHASE 5 NORTH
CHATHAM COUNTY, NORTH CAROLINA

OWNER:

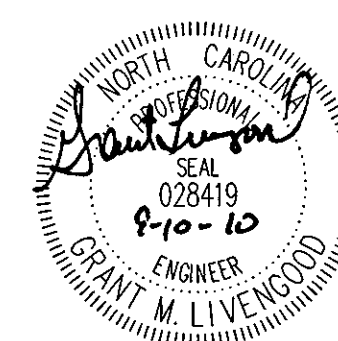
NNP BRIAR CHAPEL, LLC
16 WINDY KNOLL CIRCLE
CHAPEL HILL, NC 27516
PHONE: (919) 951-0700
FAX: (919) 240-4963
CONTACT: BILL MUMFORD, PE
EMAIL: bmumford@newlandco.com

PREPARED BY:

MCKIM & CREED
1730 VARSITY DRIVE, SUITE 500
RALEIGH, NORTH CAROLINA 27606
PHONE: (919) 233-8091
FAX: (919) 233-8031
CONTACT: GRANT LIVENGOOD, PE
EMAIL: glivengood@mckimcreed.com

PROJECT AREA: 45.92 AC

These improvements shall be constructed in accordance with the following plans, and the Standard Specifications of NCDOT and Chatham County.

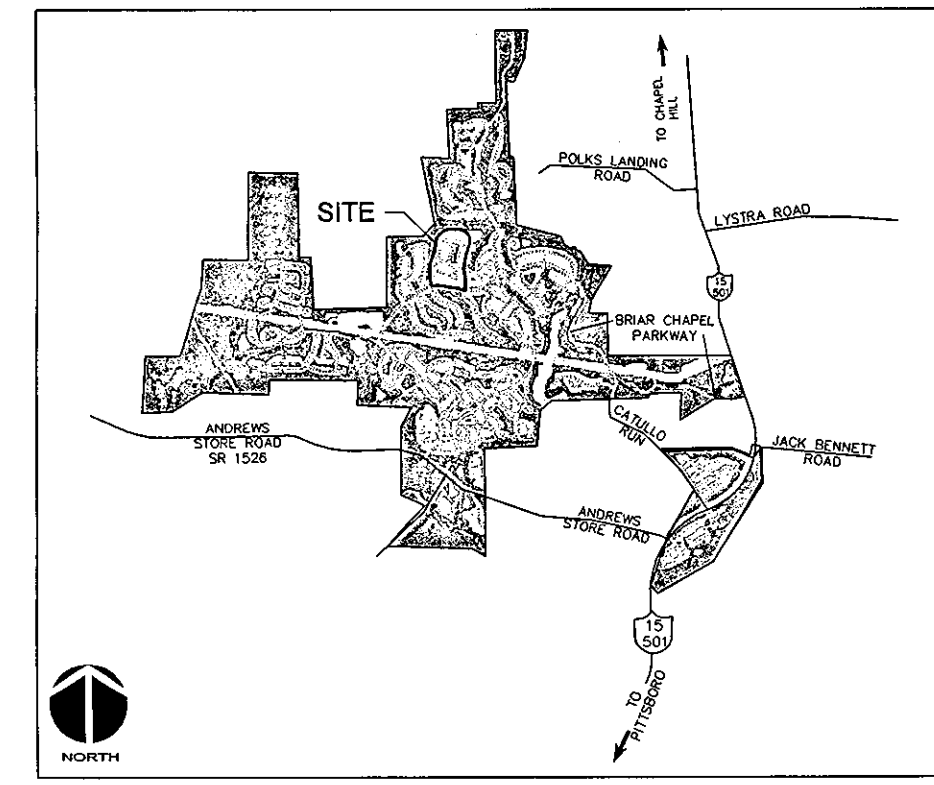


ISSUED FOR PERMIT

NOTES:

- REFER TO THE FOLLOWING JOHN R. MADAMS COMPANY, INC. CONSTRUCTION PLANS, AND ALL SUBSEQUENT CONSTRUCTION BULLETINS FOR INFORMATION ON EXISTING SITE INFRASTRUCTURE:
 - BRIAR CHAPEL - RECLAMATION FACILITY EROSION CONTROL PLAN SEALED JULY 29, 2005
 - BRIAR CHAPEL - PHASE 1 CONSTRUCTION PLANS SEALED OCTOBER 21, 2005.
 - BRIAR CHAPEL - WEST EXTENSION GRADING PLAN (INTERIM) SEALED MARCH 1, 2007.
 - BRIAR CHAPEL - PHASE 3 CONSTRUCTION PLANS SEALED DECEMBER 4, 2006.
 - BRIAR CHAPEL - PHASE 4 CONSTRUCTION PLANS SEALED JANUARY 15, 2007.
 - BRIAR CHAPEL - WATER QUALITY PONDS 5 AND 6 CONSTRUCTION PLANS SEALED AUGUST 24, 2006.
 - BRIAR CHAPEL - PUMP STATION CONSTRUCTION PLANS DATED APRIL 3, 2006.
 - BRIAR CHAPEL - PHASE 4 - POD D CONSTRUCTION PLANS SEALED SEPT. 17, 2007.
 - BRIAR CHAPEL - PHASE 3 & 4 EROSION CONTROL PLANS SEALED JULY 26, 2007.
- THIS PROPERTY IS ZONED CC-CUD.
- AREA OF NEW TRACT B-4 = 45.92 ACRES.
- ALL DISTANCES SHOWN ARE HORIZONTAL GROUND MEASUREMENTS.
- BOUNDARY LINES SHOWN ARE COMPILED FROM RECORDED PLATS, DEEDS, AND TAX MAPS.
- BEARINGS SHOWN HEREON ARE BASED ON NAD83 NCGS MONUMENT "MEACHAM".
- EXISTING TOPOGRAPHIC DATA IS BASED ON AERIAL MAPPING PERFORMED BY AVOIIMAGE MAPPING SERVICES IN FEBRUARY 2010. ELEVATIONS ARE BASED ON NAVD 88 NCGS MONUMENT "F-92".
- VERTICAL BENCHMARKS ARE TIED TO NAVD 88 DATUM AND WERE INSTALLED BY GPA PROFESSIONAL LAND SURVEYORS OF NC.
- PROJECT IS LOCATED IN THE CAPE FEAR RIVER BASIN.
- STREAM AND WETLAND LOCATIONS ARE BASED ON DELINEATIONS PROVIDED BY SOIL AND ENVIRONMENTAL CONSULTANTS IN RALEIGH, NC - CONTACT NIKKI THOMSON AT 919-846-5900.
- A PORTION OF THIS PROPERTY IS LOCATED IN SPECIAL FLOOD HAZARD AREA "AE" AS SHOWN ON FEMA FIRM MAP #3710976500 DATED FEBRUARY 2, 2007.
- NO EARTH-DISTURBING ACTIVITIES SHALL COMMENCE UNTIL ALL PERIMETER EROSION CONTROL MEASURES ARE IN PLACE IN ACCORDANCE WITH THE EROSION CONTROL SEQUENCE SHOWN IN THESE PLANS.
- NO EARTH-DISTURBING ACTIVITY OR OTHER WORK SHALL TAKE PLACE WITHIN WETLAND AREAS NOTED ON SURVEY. CONTRACTOR SHALL FIELD VERIFY WETLAND LIMITS FLAGGING IS IN PLACE AND SHALL NOT ENTER WETLAND AREAS. IF WETLAND FLAGGING IS MISSING OR OTHERWISE DAMAGED, IT IS CONTRACTOR'S RESPONSIBILITY TO NOTE WETLAND LIMITS AND PREVENT DISTURBANCE OR OTHER ACTIVITY WITHIN WETLANDS.
- THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE PROTECTION OF ALL PROPERTY CORNER MONUMENTS, AND SHALL HAVE, AT HIS EXPENSE, ALL CORNER MONUMENTS REPLACED WHICH ARE DISTURBED BY CONSTRUCTION ACTIVITIES.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS, AT HIS EXPENSE, DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE PUBLIC DURING CONSTRUCTION, WHICH INCLUDES, BUT IS NOT LIMITED TO, CONSTRUCTION FENCING, BARRICADES, SIGNAGE, ETC.
- CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS FOR EXCAVATION AND TRENCHING PROCEDURES. CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, ETC. AS NECESSARY FOR THESE OPERATIONS, AND SHALL COMPLY WITH ALL OSHA PERFORMANCE CRITERIA.
- CONTRACTOR SHALL TAKE SPECIAL CARE TO PROTECT ALL UTILITIES AND APPURTENANCES TO REMAIN.

PROPERTY LINE LINE/CURVE TABLE			
Number	Length	Radius	Line/Chord Direction
C8	350.86	950.00	N86° 46' 07"W
C9	204.40	950.00	S82° 21' 07"E
C10	101.34	450.00	N2° 56' 42"E
C11	229.33	1550.00	S00° 43' 56"W
C12	141.95	1750.00	S76° 31' 22"E
C13	355.60	615.00	S58° 37' 55"W
C18	65.19	350.00	S31° 43' 01"E
C19	347.97	899.00	N80° 23' 44"E
C20	225.92	1050.00	S82° 21' 07"E
C21	782.34	850.00	S77° 26' 40"W



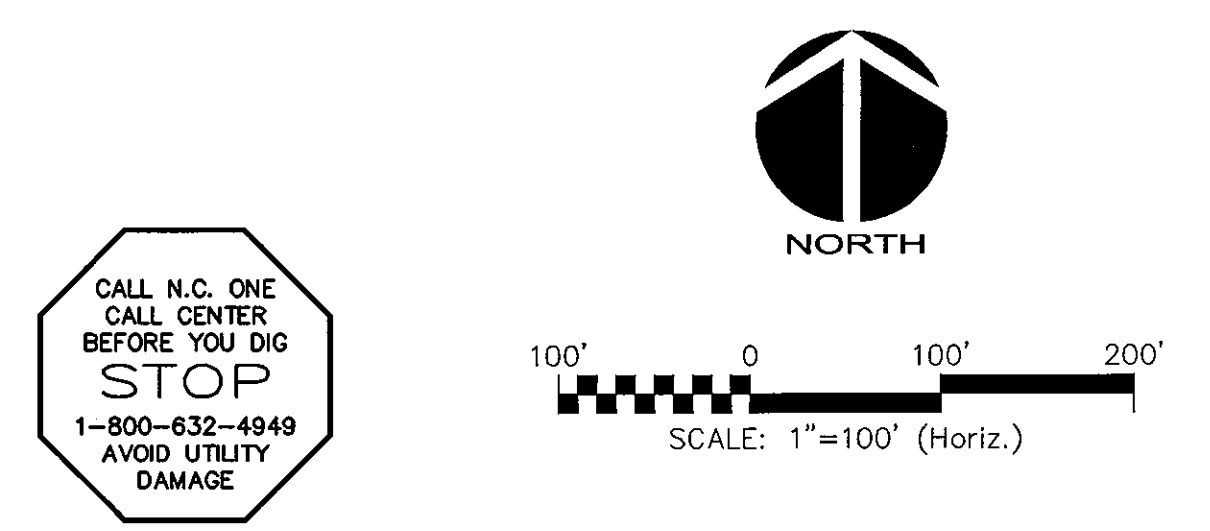
LEGEND:

	EXISTING WETLANDS
	EXISTING STREAM CHANNEL
	EXISTING CONTOUR LINE
	EXISTING SPOT GRADE
	EXISTING SILT FENCE
	EXISTING LOT LINE
	EXISTING ROW
	STREAM
	STREAM BUFFER
	NO BUILD ZONE BUFFER
	EXISTING WOODLINE
	EXISTING CURB INLET
	EXISTING SANITARY SEWER MANHOLE
	EXISTING SANITARY SEWER MAIN
	EXISTING STORM DRAIN PIPE
	EXISTING WATER MAIN

***** NOTICE TO CONTRACTORS *****

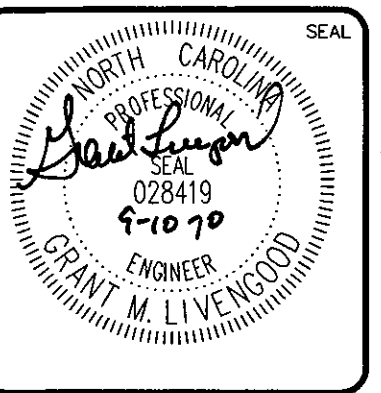
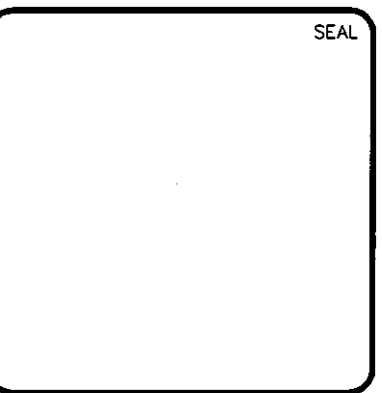
THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, IN WRITING, OF ANY DISCREPANCIES OR OMISSIONS TO THE TOPOGRAPHIC INFORMATION. THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR CONFIRMING THE LOCATION (HORIZONTAL AND VERTICAL) OF ANY BURIED CABLES, CONDUITS, PIPES, AND STRUCTURES (STORM SEWER, SANITARY SEWER, WATER, GAS, TELEVISION, TELEPHONE, ETC.) WHICH IMPACT THE CONSTRUCTION SITE. THE CONTRACTOR(S) SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES ARE FOUND BETWEEN THE ACTUAL CONDITIONS VERSUS THE DATA CONTAINED IN THE CONSTRUCTION PLANS. ANY COSTS INCURRED AS THE RESULT OF NOT CONFIRMING THE CONDUITS, PIPES, AND STRUCTURES SHALL BE BORNE BY THE CONTRACTOR.

SURVEY REFERENCES:
 DEED BOOK 1492, PAGE 581
 DEED BOOK 1198, PAGE 510
 DEED BOOK 833, PAGE 792
 DEED BOOK 1461, PAGE 244



CALL N.C. ONE
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 DAMAGE

REV. NO.	DESCRIPTIONS	DATE
2	PRELIMINARY PLAT SUBMITTAL TO CHATHAM COUNTY PLANNING	09.10.2010
1	SUBMITTAL TO CLIENT FOR REVIEW	08.08.2010



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BRIAR CHAPEL™

by
Newland COMMUNITIES

**BRIAR CHAPEL
 PHASE 5 NORTH
 CHATHAM COUNTY, NORTH CAROLINA**

EXISTING CONDITIONS PLAN

DATE: AUGUST 6, 2010	SCALE	MAC FILE NUMBER
MCE PROJ. # 02735-0069	HORIZONTAL:	CX101
DRAWN: CMB	VERTICAL:	DRAWING NUMBER
DESIGNED: CMB	1" = 100'	C-2
CHECKED: GML	NA	
PROJ. MGR.: GML		
STATUS: ISSUED FOR PERMIT	REVISION	
	2	

SERENITY HILL CIRCLE (PUBLIC)			
Number	Length	Radius	Line/Chord Direction
L1	214.394		N3° 13' 12.53"W
L2	315.223		N14° 00' 08.08"E
L3	435.824		N9° 42' 28.15"E
L4	257.449		N80° 47' 16.24"E
L5	115.069		N80° 47' 16.24"E
L6	42.457		S37° 41' 51.03"E
L7	353.489		S18° 48' 08.90"W
L8	196.348		S3° 30' 23.25"E
C1	120.235	400.000	N5° 23' 27.77"E
C2	37.476	500.000	N11° 51' 18.12"E
C3	198.493	160.000	N45° 14' 52.19"E
C4	295.249	275.000	S68° 27' 17.39"E
C5	320.486	325.000	S9° 26' 51.06"E
C6	86.258	325.000	S11° 11' 56.63"W
C7	224.159	1500.000	S0° 46' 28.52"W
C8	119.998	500.000	S3° 22' 08.04"W

STONES THROW DRIVE (PRIVATE)			
Number	Length	Radius	Line/Chord Direction
C18	14.758	90.000	N85° 29' 08.05"E
C19	52.566	60.000	S64° 43' 05.38"E
C20	45.201	200.000	S33° 08' 42.22"E
L25	48.614		N80° 47' 16.24"E
L26	90.670		S89° 49' 00.14"E
L27	123.769		S39° 37' 10.62"E
L28	126.812		S26° 40' 13.82"E

HUMMINGBIRD DRIVE (PRIVATE)			
Number	Length	Radius	Line/Chord Direction
C22	134.204	125.000	S68° 27' 17.39"E
C23	172.569	175.000	S9° 26' 51.06"E
C24	13.452	200.000	S20° 43' 45.37"W
L29	80.139		N80° 47' 16.24"E
L30	42.457		S37° 41' 51.03"E
L31	323.262		S18° 48' 08.90"W
L32	86.552		S22° 39' 21.84"W

THORNLEY PLACE (PRIVATE)			
Number	Length	Radius	Line/Chord Direction
L33	150.000		N80° 47' 16.24"E

WYND PATH (PRIVATE)			
Number	Length	Radius	Line/Chord Direction
L34	74.000		S9° 12' 43.76"E

CANVAS LANE (PRIVATE)			
Number	Length	Radius	Line/Chord Direction
L35	150.573		S71° 11' 51.10"E

WSBOROUGH COURT (PRIVATE)			
Number	Length	Radius	Line/Chord Direction
L36	137.804		S12° 02' 8.17"W
C25	27.727	20.000	S27° 40' 50.19"E
L37	97.275		S67° 23' 48.55"E

WILDFLOWER TRACE (PRIVATE)			
Number	Length	Radius	Line/Chord Direction
L38	219.215		S3° 30' 23.00"E

PORTHAVEN PLACE (PRIVATE)			
Number	Length	Radius	Line/Chord Direction
L39	165.079		S80° 17' 31.85"E

LADYBUG LANE (PRIVATE)			
Number	Length	Radius	Line/Chord Direction
L40	180.479		S13° 59' 36.27"W

OLD MILL COURT (PRIVATE)			
Number	Length	Radius	Line/Chord Direction
L41	93.085		S0° 54' 37.44"W

BRIAR CHAPEL PARKWAY NORTH (PUBLIC)			
Number	Length	Radius	Line/Chord Direction
C26	855.968	930.000	N77° 26' 40.13"E
L42	193.122		S76° 11' 77.22"E
C27	208.708	970.000	S82° 21' 07.46"E
L43	297.266		S88° 30' 57.71"E

BRIAR CHAPEL PARKWAY SOUTH (PUBLIC)			
Number	Length	Radius	Line/Chord Direction
C28	800.745	870.000	N77° 26' 40.13"E
L44	193.122		S76° 11' 77.22"E
C29	221.618	1030.000	S82° 21' 07.46"E
L45	297.229		S88° 30' 57.71"E

EVERGREEN SPRING LANE (PRIVATE)			
Number	Length	Radius	Line/Chord Direction
L-46	233.008		S13° 48' 43.00"W

SWEETBRIAR RUN (PUBLIC)			
Number	Length	Radius	Line/Chord Direction
C9	154.079	1229.000	S79° 46' 46.87"E
L9	224.543		S83° 22' 16.52"E
L10	125.868		S76° 11' 17.22"E
L11	44.797		S76° 11' 17.22"E
L46	45.919		N77° 57' 52.00"W
C30	42.448	26.500	N32° 4' 35.00"W
L47	10.389		N13° 48' 43.00"E
C31	41.626	26.500	N58° 48' 43.00"E

TOBACCO FARM WAY (PUBLIC)			
Number	Length	Radius	Line/Chord Direction
C10	199.788	650.000	S67° 40' 04.02"E
C11	321.014	1500.000	S64° 59' 35.90"E
L12	323.835		S76° 28' 23.42"E

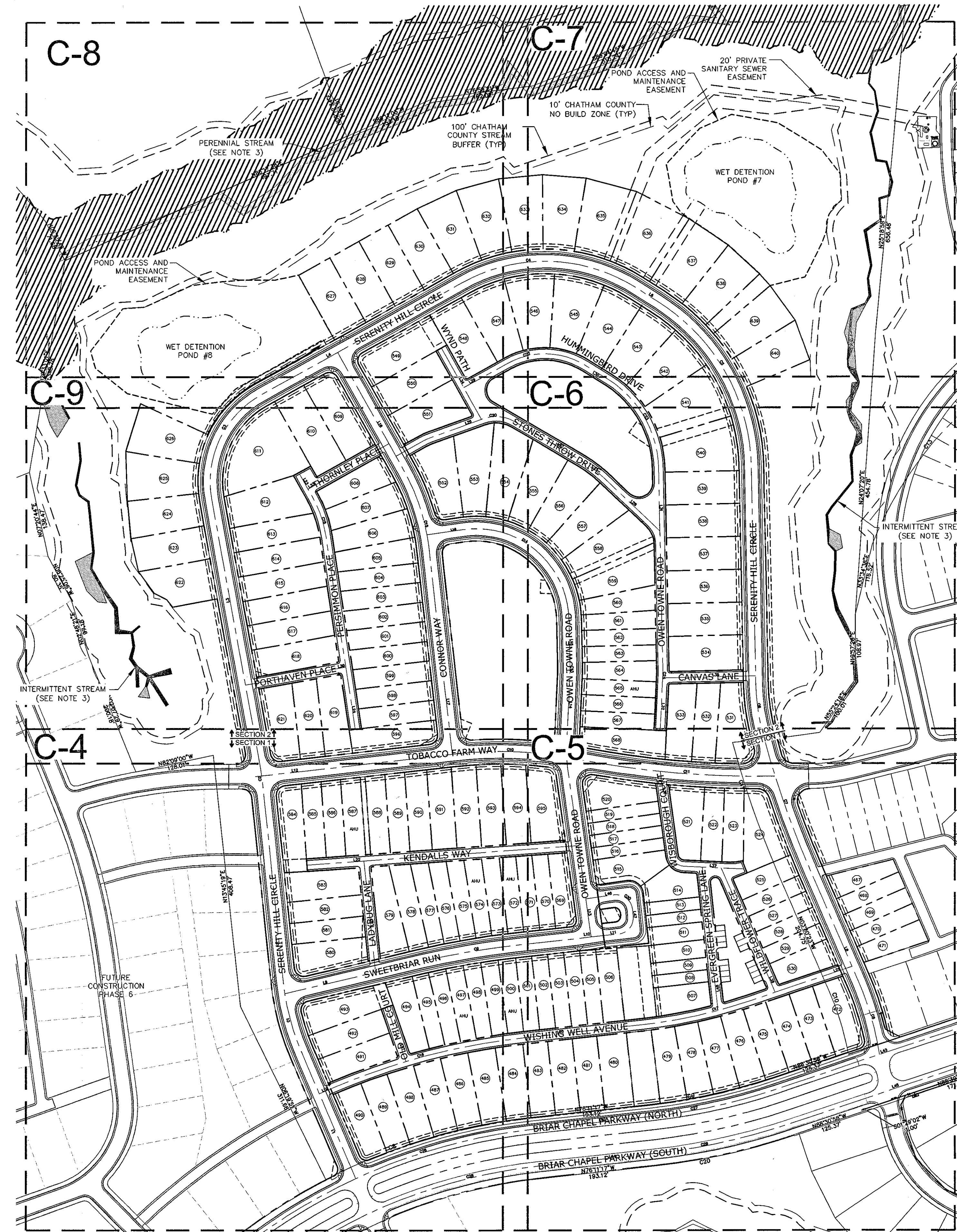
OWEN TOWNE ROAD (PUBLIC)			
Number	Length	Radius	Line/Chord Direction
C12	13.889	200.000	N20° 36' 07.42"E
C13	253.672	150.000	N29° 50' 08.61"W
C14	36.847	200.000	N17° 18' 48.91"E
L13	275.237		N12° 02' 08.17"E
L14	117.724		N22° 35' 29.65"E
L15	72.839		N18° 36' 43.30"E
L16	58.780		N78° 17' 00.52"W

CONNOR WAY (PUBLIC)			
Number	Length	Radius	Line/Chord Direction
C15	136.920	345.000	N2° 09' 26.41"E
L17	332.402		N13° 31' 36.58"E
L18	218.334		N9° 12' 43.76"W

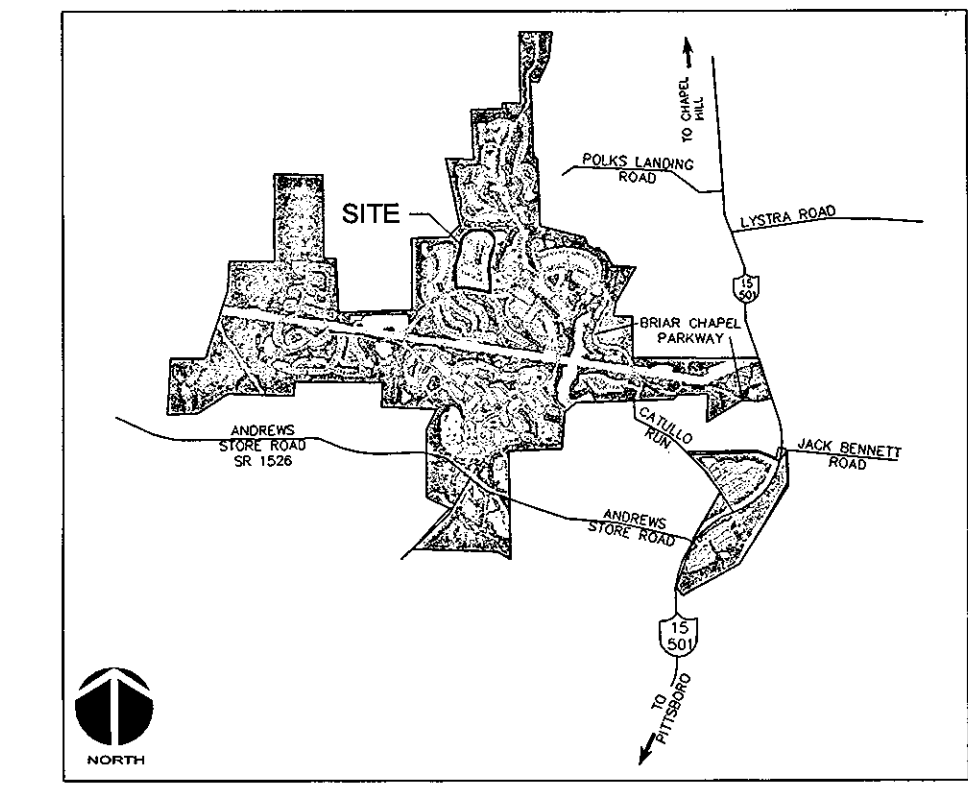
WISHING WELL AVENUE (PRIVATE)			
Number	Length	Radius	Line/Chord Direction
C16	320.814	1079.172	S84° 42' 16.23"E
C17	176.649	821.000	S82° 21' 07.46"E
L19	23.441		N86° 46' 44.75"E
L20	193.010		S76° 11' 17.22"E
L21	175.698		S88° 30' 57.71"E

KENDALLS WAY (PRIVATE)			
Number	Length	Radius	Line/Chord Direction
L22	440.233		S74° 02' 50.55"E

PERSIMMON PLACE (PRIVATE)			
Number	Length	Radius	Line/Chord Direction
L23	42.675		S9° 12' 43.76"E
L24	314.391		S11° 20' 29.28"W
C21	68.158	190.000	S1° 03' 52.76"W



- NOTES:**
- ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY OWNER IF ANY DISCREPANCIES EXIST PRIOR TO CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
 - EXISTING INFRASTRUCTURE AS SHOWN MAY BE UNDER CONSTRUCTION AND SHALL BE FIELD VERIFIED BY CONTRACTOR. REFER TO THE FOLLOWING JOHN R. MCDAMAS BRIAR CHAPEL PLANS AND CONSTRUCTION BULLETINS FOR ADDITIONAL INFORMATION:
 - RECLAMATION FACILITY EROSION CONTROL PLAN, SEALED JULY 29, 2005
 - PHASE 1 CONSTRUCTION PLANS, SEALED OCT 21, 2005
 - WEST EXTENSION GRADING PLAN (INTERIM), SEALED MAR 1, 2007
 - PHASE 3 CONSTRUCTION PLANS, SEALED DEC 4, 2006
 - PHASE 4 CONSTRUCTION PLANS, SEALED JAN 15, 2007
 - WATER QUALITY PONDS 5 AND 6 CONSTRUCTION PLANS, SEALED AUG 24, 2006
 - PUMP STATION CONSTRUCTION PLANS, DATED APR 3, 2006
 - PHASE 4 - POD D CONSTRUCTION PLANS, SEALED SEP 17, 2007
 - PHASE 3 & 4 EROSION CONTROL PLANS, SEALED JULY 26, 2007
 - STREAM AND WETLAND LOCATIONS ARE BASED ON DELINEATIONS PROVIDED BY SOIL AND ENVIRONMENTAL CONSULTANTS IN RALEIGH, NC - CONTACT NIKKI THOMSON AT 919-846-5900.
 - A PORTION OF THIS PROPERTY IS LOCATED IN SPECIAL FLOOD HAZARD AREA "AE" AS SHOWN ON FEMA FIRM MAP #3710978500J DATED FEBRUARY 2, 2007.
 - ALL PROPOSED ROADWAY DIMENSIONS AS SHOWN ARE MEASURED FROM BACK OF CURB TO BACK OF CURB, ALL PROPOSED ALLEY DIMENSIONS AS SHOWN ARE MEASURED FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
 - BEFORE STARTING ANY CONSTRUCTION OF IMPROVEMENTS WITHIN ANY NCDOT STREET OR HIGHWAY RIGHT-OF-WAY, CONTACT NCDOT DISTRICT OFFICE AND OBTAIN ALL PERMITS AND ENCROACHMENTS. KEEP COPIES ON CONSTRUCTION SITE. ALSO CONTACT NCDOT DISTRICT OFFICE 24 HOURS IN ADVANCE BEFORE PLACING CURB AND GUTTER AT 336-629-1423.
 - REFER TO PLAN AND PROFILE SHEETS FOR DETAILED SANITARY SEWER AND STORM DRAINAGE INFORMATION WITHIN PUBLIC ROADS AND PRIVATE ALLEYS.
 - CONTRACTOR TO ENSURE SMOOTH TIE-IN FROM PUBLIC ROADWAY CURB AND GUTTER TO ASPHALT IN PRIVATE ALLEYS.



VICINITY MAP
NOT TO SCALE

LEGEND

- EXISTING WETLANDS
- EXISTING STREAM CHANNEL
- NEW PAVEMENT
- ROADWAY CENTERLINE
- LOT LINE
- EXISTING ROW
- 100-YEAR FLOODPLAIN
- 100-YEAR FLOODPLAIN AREA
- 50' CHATHAM COUNTY STREAM BUFFER
- 10' NO BUILD ZONE BUFFER
- 4' H.O.A. EASEMENT
- 4' PRIVATE UTILITY EASEMENT
- ACCESSIBLE RAMP
- OVERALL PROPERTY LINE
- AHU AFFORDABLE HOUSING UNIT

LOT SUMMARY:

SECTION 1		
• 50' LOTS	0	
• 40' LOTS	29	
• 32' LOTS	14	
• 26' LOTS	29	
• TOWNHOME LOTS	14	
• AFFORDABLE HOUSING UNITS	5	
	SUBTOTAL	91
SECTION 2		
• 50' LOTS	41	
• 40' LOTS	17	
• 32' LOTS	16	
• 26' LOTS	8	
• TOWNHOME LOTS	0	
• AFFORDABLE HOUSING UNITS	1	
	SUBTOTAL	83
	TOTAL	174

CALL N.C. ONE
CALL CENTER
BEFORE YOU DIG
STOP
1-800-632-4849
AVOID UTILITY
DAMAGE

100' 0 100' 200'
SCALE: 1"=100' (Horiz.)

REV. NO.	DESCRIPTION	DATE
2	PRELIMINARY PLAN SUBMITTAL TO CHATHAM COUNTY PLANNING	09.10.2010
1	SUBMITTAL TO CLIENT FOR REVIEW	08.06.2010

SEAL

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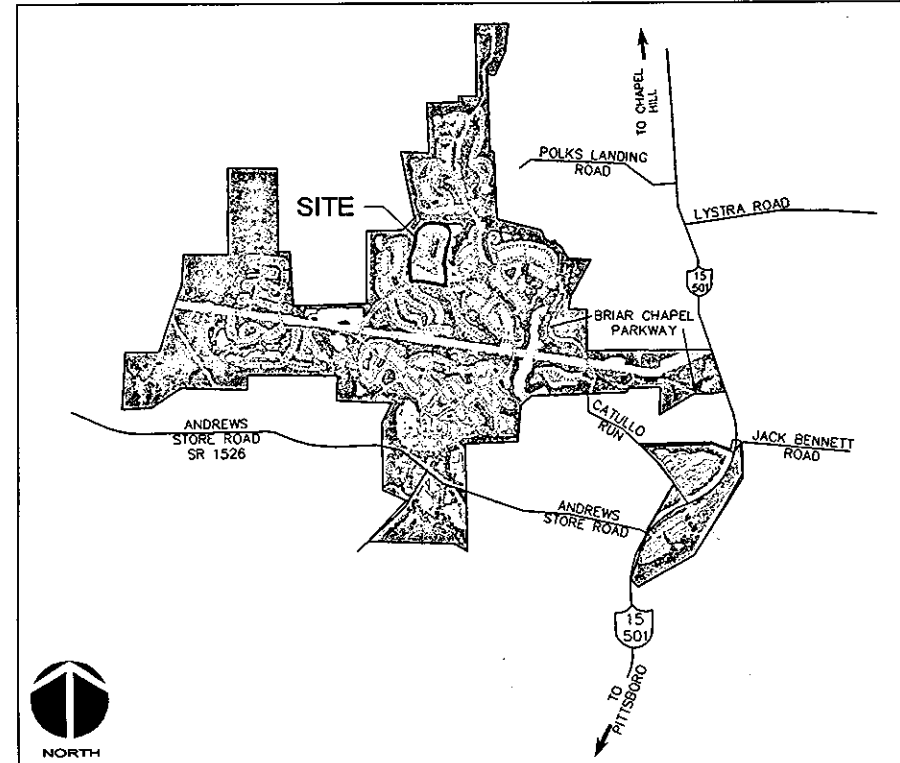
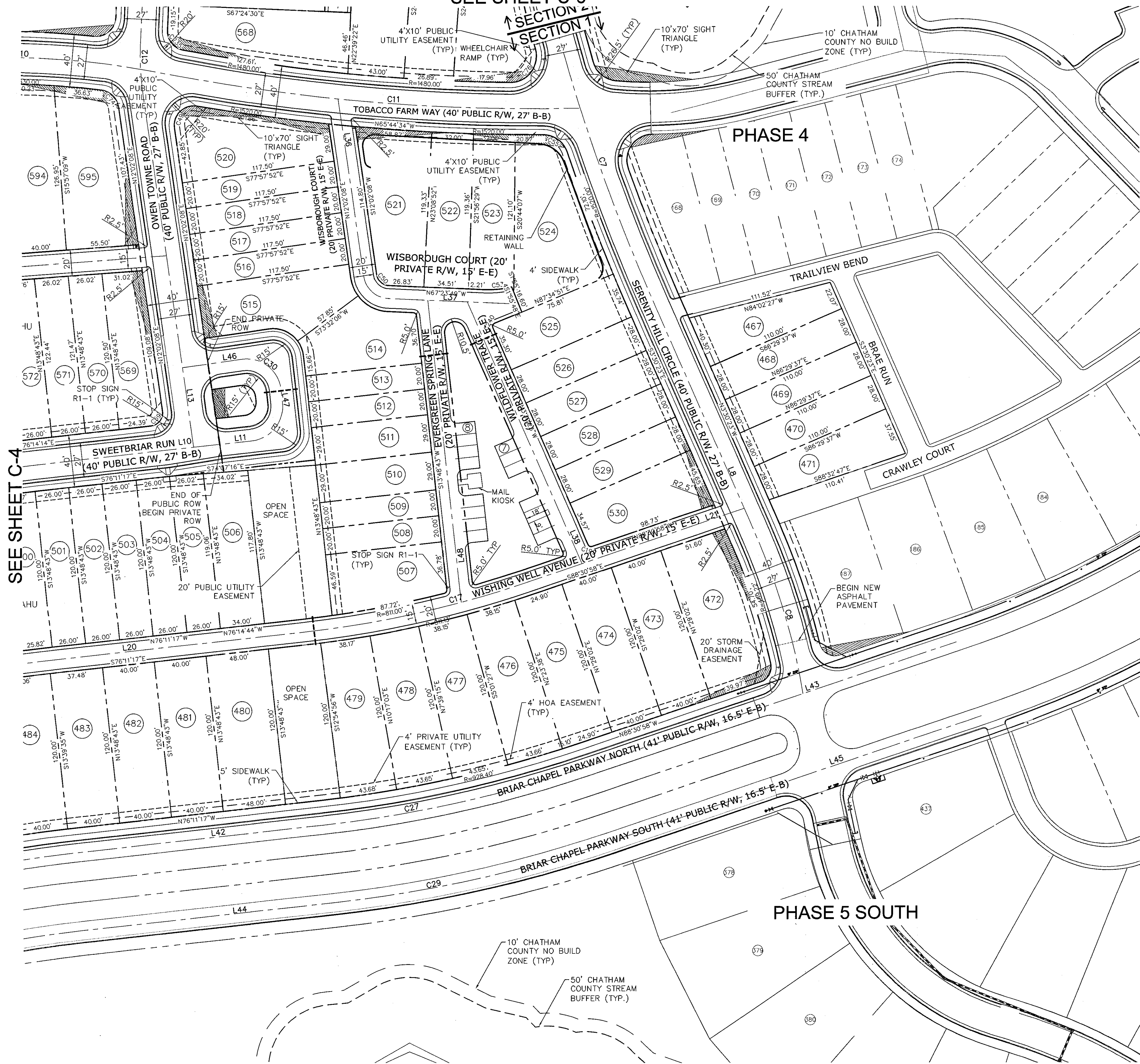
**BRIAR CHAPEL
PHASE 5 NORTH
CHATHAM COUNTY, NORTH CAROLINA**

OVERALL SITE PLAN

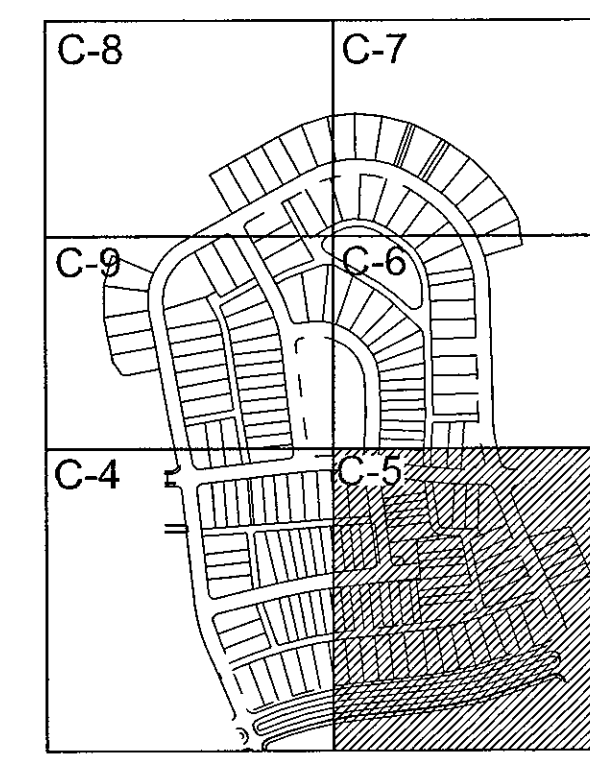
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DRAWN: CMB	VERTICAL: NA	DRAWING NUMBER
DESIGNED: CMB		C-3
CHECKED: GML		
PROJ. MGR.: GML		
STATUS: ISSUED FOR PERMIT	REVISION	2

SEE SHEET C-6

SECTION 1
SECTION 2



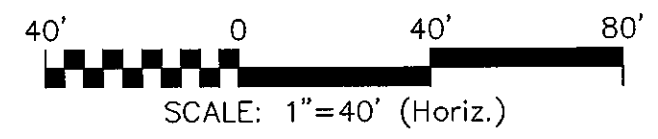
VICINITY MAP
NOT TO SCALE



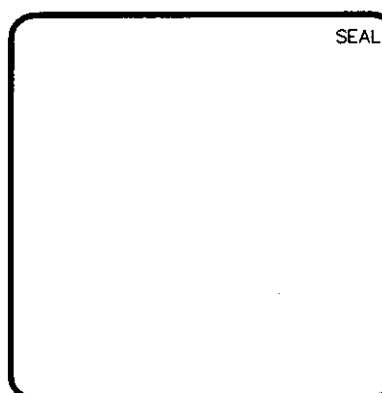
KEY MAP
NOT TO SCALE

- LEGEND**
- EXISTING WETLANDS
 - EXISTING STREAM CHANNEL
 - NEW PAVEMENT
 - ROADWAY CENTERLINE
 - LOT LINE
 - EXISTING ROW
 - 100-YEAR FLOODPLAIN
 - 100-YEAR FLOODPLAIN AREA
 - 50' CHATHAM COUNTY STREAM BUFFER
 - 10' NO BUILD ZONE BUFFER
 - 4' H.O.A. EASEMENT
 - 4' PRIVATE UTILITY EASEMENT
 - ACCESSIBLE RAMP
 - OVERALL PROPERTY LINE
 - AHU AFFORDABLE HOUSING UNIT
 - E-E EDGE OF PAVEMENT TO EDGE OF PAVEMENT
 - B-B BACK OF CURB TO BACK OF CURB

- NOTES**
1. SEE SHEET C-3 FOR SITE PLAN NOTES.
 2. REFER TO PLAN AND PROFILE SHEETS FOR DETAILED SANITARY SEWER AND STORM DRAINAGE INFORMATION WITHIN PUBLIC ROADS AND PRIVATE ALLEYS.



REV. NO.	DESCRIPTIONS	DATE
2	PRELIMINARY PLAT SUBMITTED TO CHATHAM COUNTY PLANNING	09.10.2010
1	SUBMITTAL TO CLIENT FOR REVIEW	08.08.2010



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**BRIAR CHAPEL
 PHASE 5 NORTH - SECTION 1
 CHATHAM COUNTY, NORTH CAROLINA**

SITE PLAN (2)

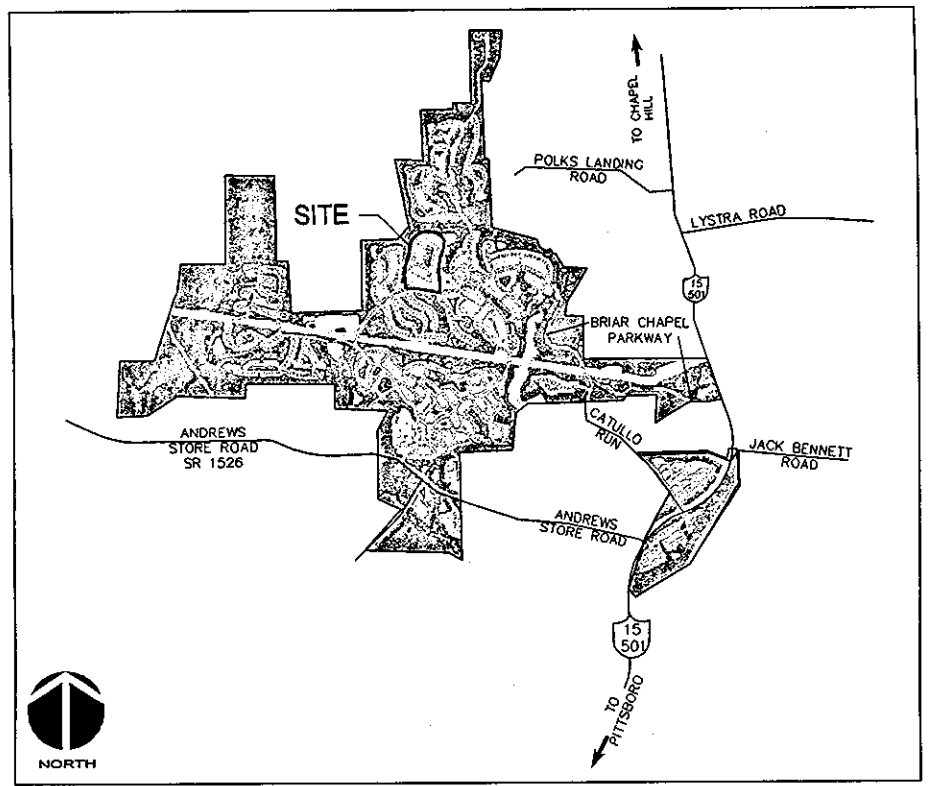
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DESIGNED: CMB		
CHECKED: GML		
STATUS: ISSUED FOR PERMIT	REVISION: 2	



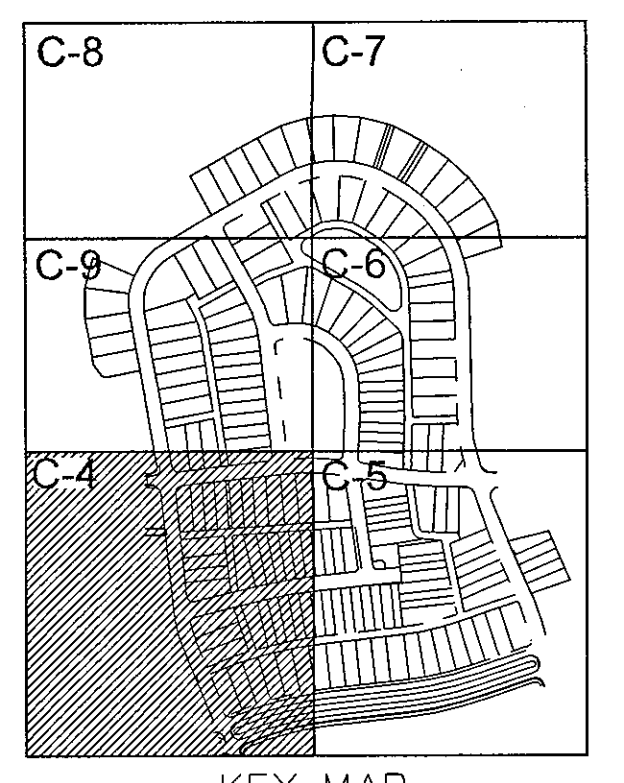
SEE SHEET C-9

SECTION 2
SECTION 1

SEE SHEET C-5



VICINITY MAP
NOT TO SCALE



KEY MAP
NOT TO SCALE

- LEGEND**
- EXISTING WETLANDS
 - EXISTING STREAM CHANNEL
 - NEW PAVEMENT
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 - LOT LINE
 - EXISTING ROW
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 - ACCESSIBLE RAMP
 - OVERALL PROPERTY LINE
 - AHU
 - E-E
 - B-B

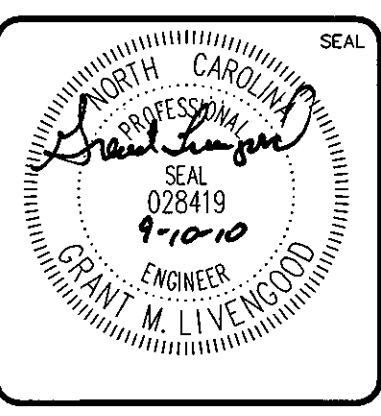
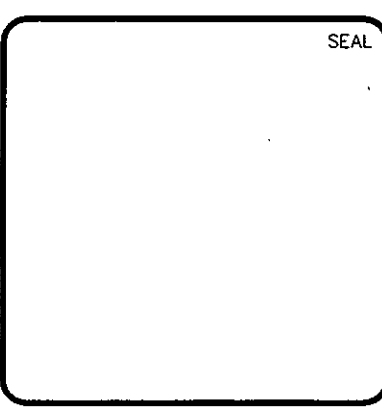
- NOTES**
- SEE SHEET C-3 FOR SITE PLAN NOTES.
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CALL CENTER
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STOP
1-800-632-4949
AVOID UTILITY
DAMAGE



SCALE: 1" = 40' (Horiz.)

REVNO.	DESCRIPTIONS REVISIONS	DATE
2	PRELIMINARY PLAN SUBMITTAL TO CHATHAM COUNTY PLANNING	09.10.2010
1	SUBMITTING TO CLIENT FOR REVIEW	08.08.2010



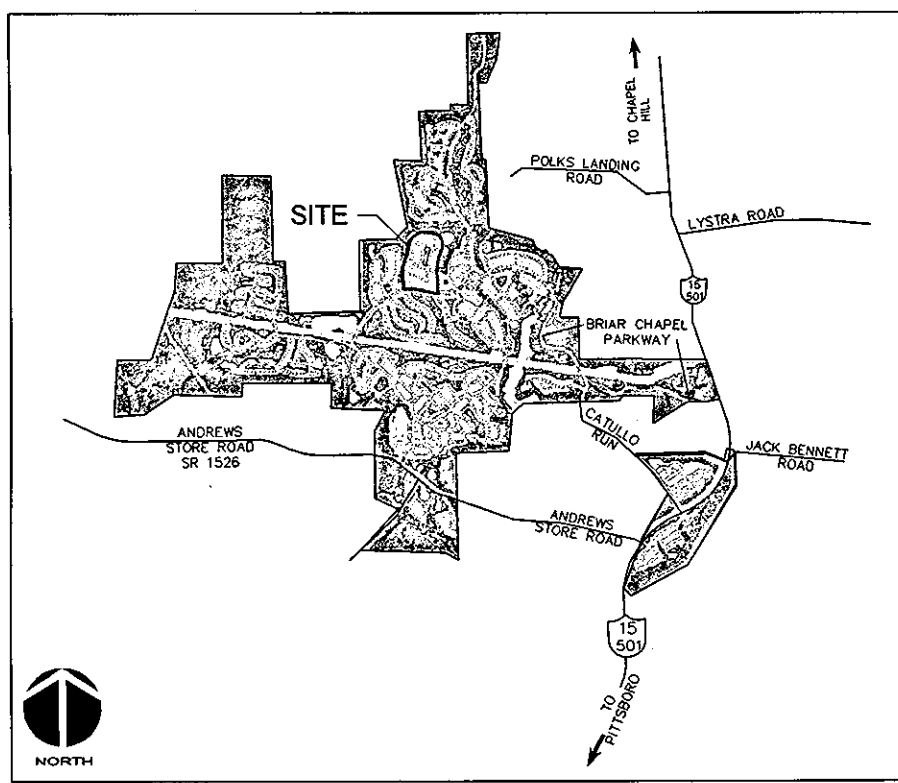
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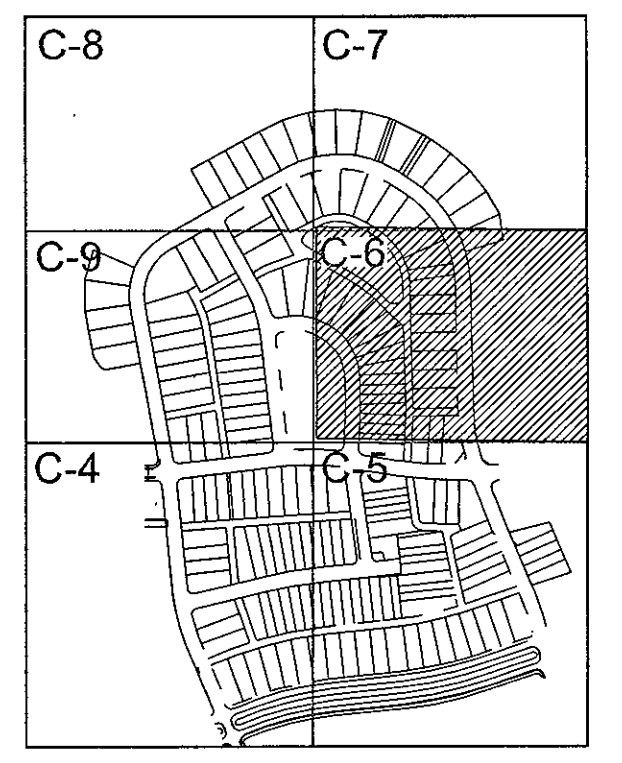
**BRIAR CHAPEL
PHASE 5 NORTH - SECTION 1
CHATHAM COUNTY, NORTH CAROLINA**

SITE PLAN (1)

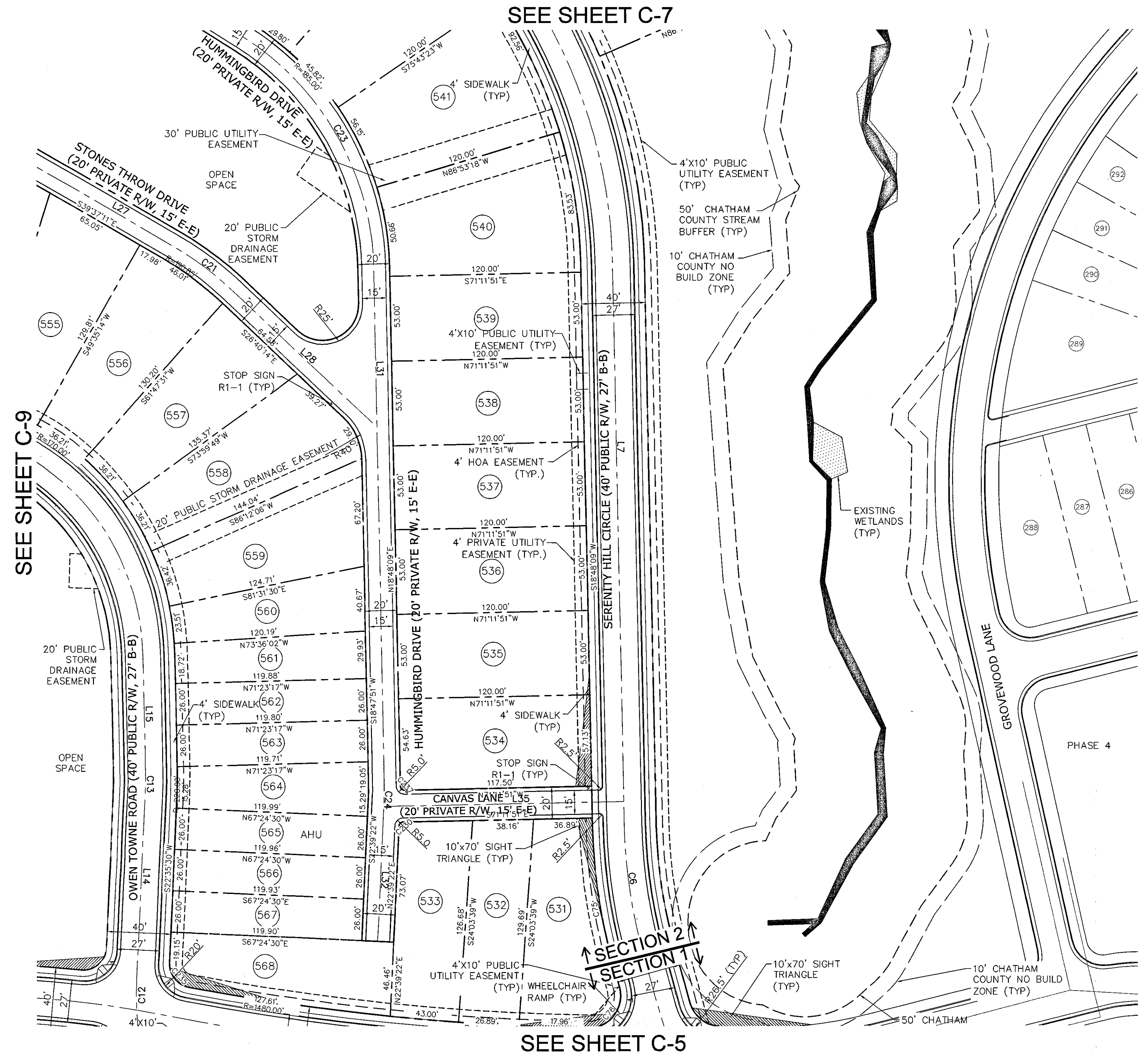
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DRAWN: CMB	VERTICAL: NA	
DESIGNED: CMB		
CHECKED: GML		
PROJ. MGR.: GML		
STATUS: ISSUED FOR PERMIT	REVISION: 2	



VICINITY MAP
NOT TO SCALE

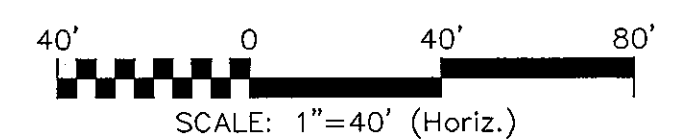


KEY MAP
NOT TO SCALE

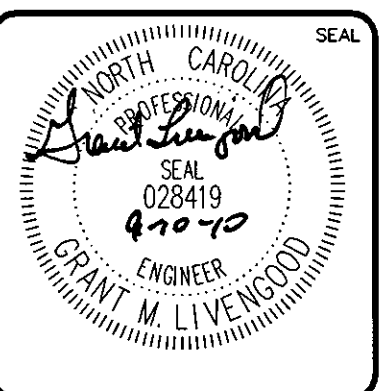
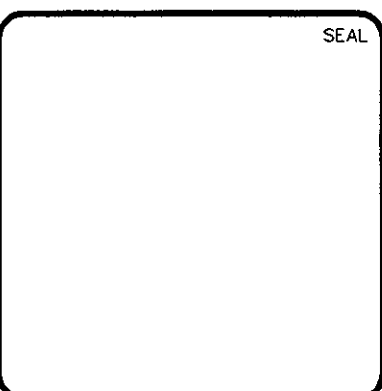


- LEGEND**
- EXISTING WETLANDS
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 - B-B BACK OF CURB TO BACK OF CURB

- NOTES**
- SEE SHEET C-3 FOR SITE PLAN NOTES.
 - REFER TO PLAN AND PROFILE SHEETS FOR DETAILED SANITARY SEWER AND STORM DRAINAGE INFORMATION WITHIN PUBLIC ROADS AND PRIVATE ALLEYS.



REV. NO.	DESCRIPTIONS / REVISIONS	DATE
2	PRELIMINARY PLAT SUBMITTAL TO CHATHAM COUNTY PLANNING	08/10/2010
1	SUBMITTAL TO CLIENT FOR REVIEW	08/06/2010



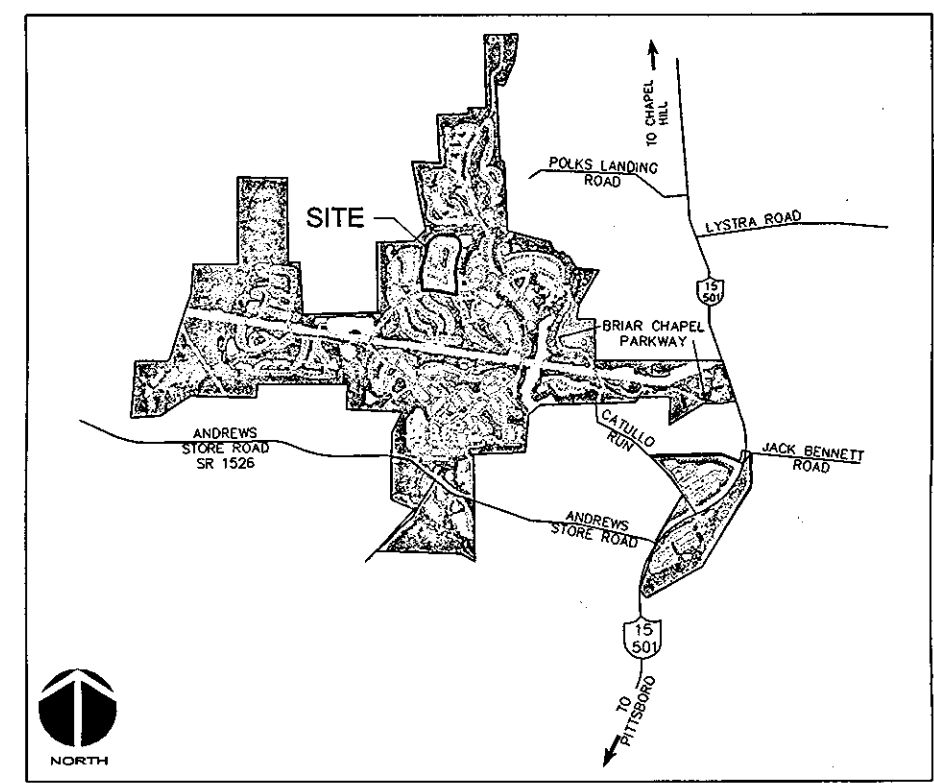
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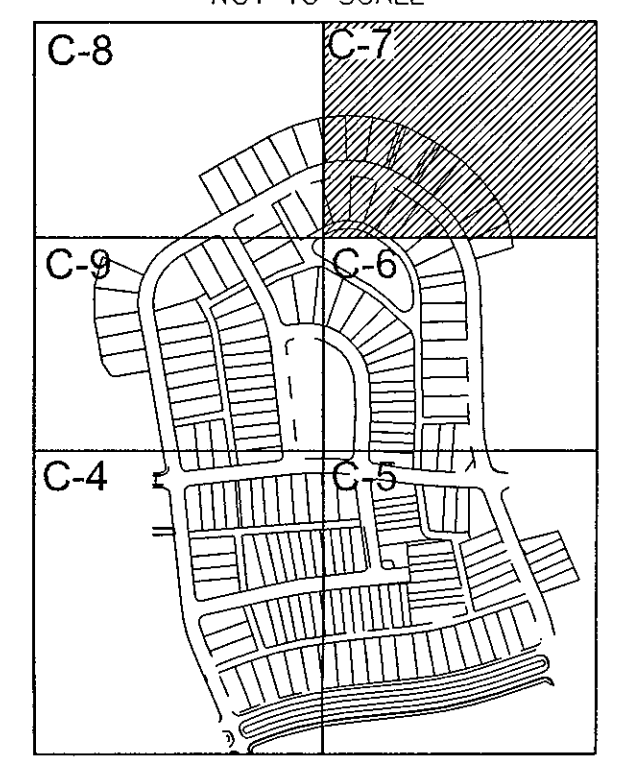
**BRIAR CHAPEL
 PHASE 5 NORTH - SECTION 2
 CHATHAM COUNTY, NORTH CAROLINA**

SITE PLAN (3)

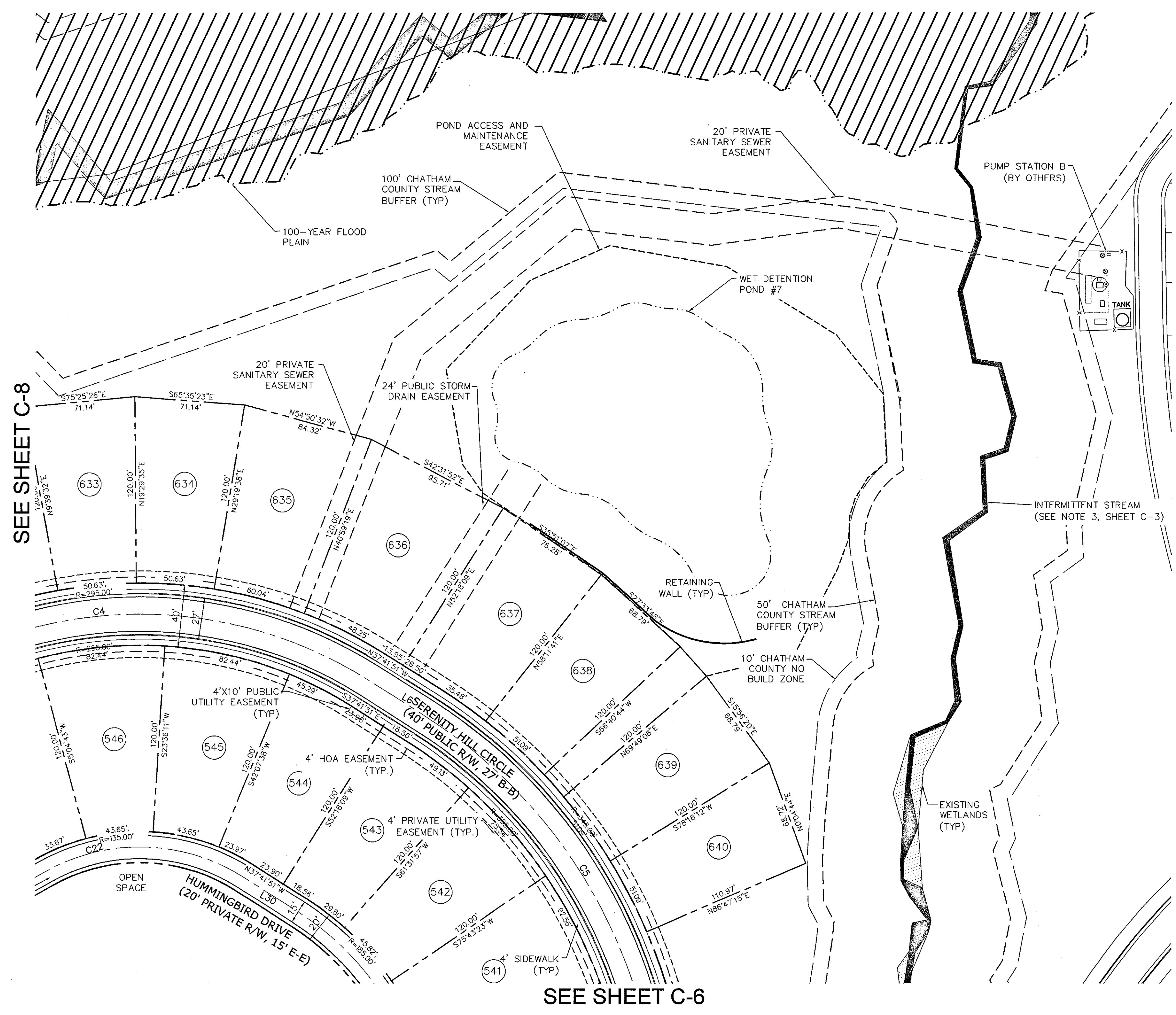
DATE: AUGUST 6, 2010	SCALE: HORIZONTAL: 1" = 40'	M&C FILE NUMBER: CS101
M&C PROJ. # 02735-0069	DRAWN: CMB	DRAWING NUMBER: C-6
DESIGNED: CMB	CHECKED: GML	REVISION: 2
PROJ. MGR: GML	VERTICAL: NA	
STATUS: ISSUED FOR PERMIT		



VICINITY MAP
NOT TO SCALE



KEY MAP
NOT TO SCALE

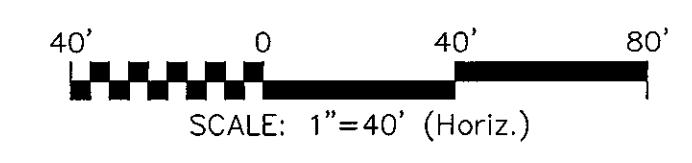


LEGEND

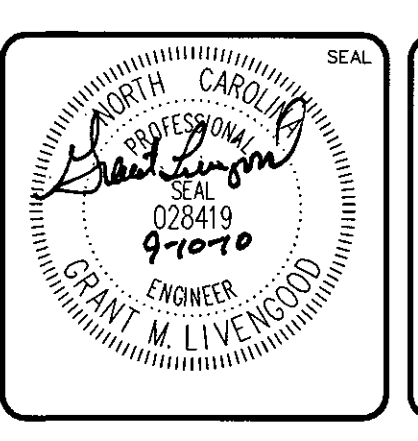
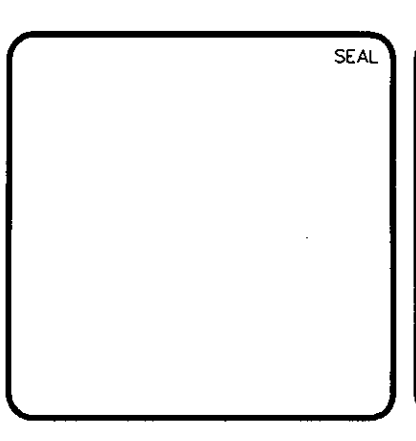
- EXISTING WETLANDS
- EXISTING STREAM CHANNEL
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- AHU AFFORDABLE HOUSING UNIT
- E-E EDGE OF PAVEMENT TO EDGE OF PAVEMENT
- B-B BACK OF CURB TO BACK OF CURB

NOTES

1. SEE SHEET C-3 FOR SITE PLAN NOTES.
2. REFER TO PLAN AND PROFILE SHEETS FOR DETAILED SANITARY SEWER AND STORM DRAINAGE INFORMATION WITHIN PUBLIC ROADS AND PRIVATE ALLEYS.



REV. NO.	DESCRIPTIONS / REVISIONS	DATE
2	PRELIMINARY PLAN SUBMITTAL TO CHATHAM COUNTY PLANNING	08.10.2010
1	SUBMITTAL TO CLIENT FOR REVIEW	08.06.2010



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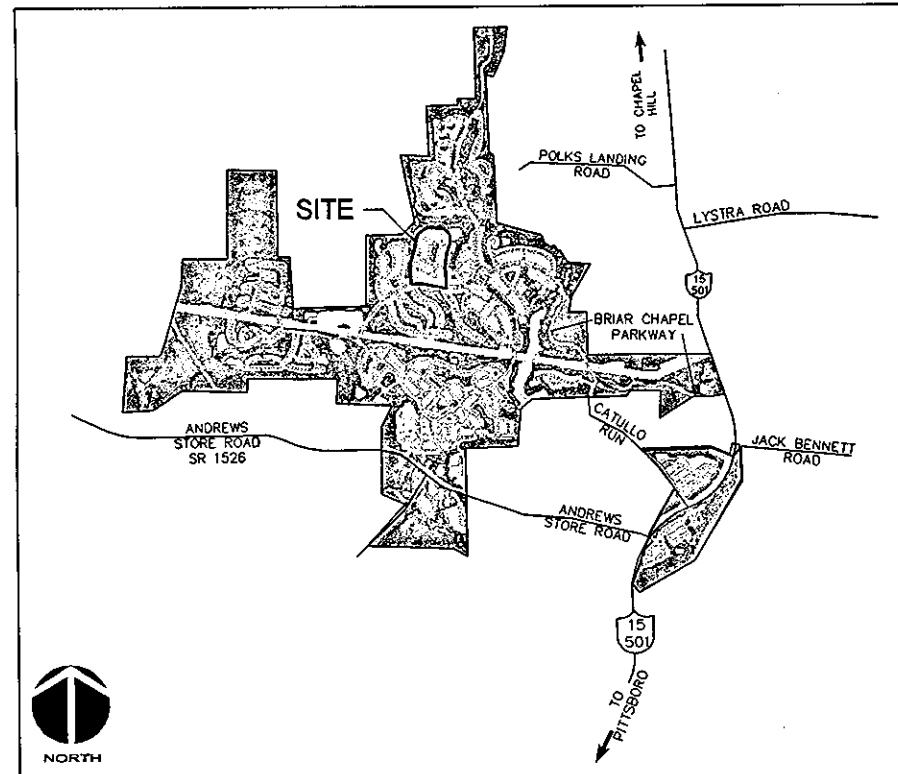
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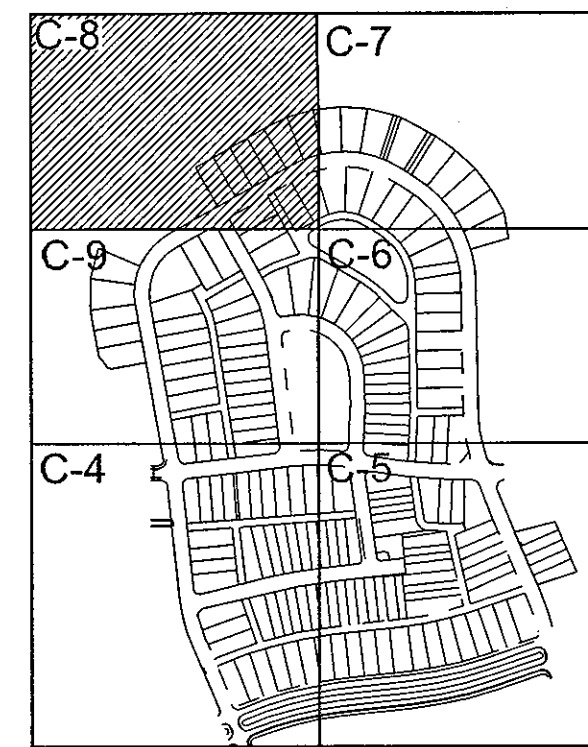
**BRIAR CHAPEL
PHASE 5 NORTH - SECTION 2
CHATHAM COUNTY, NORTH CAROLINA**

SITE PLAN (4)

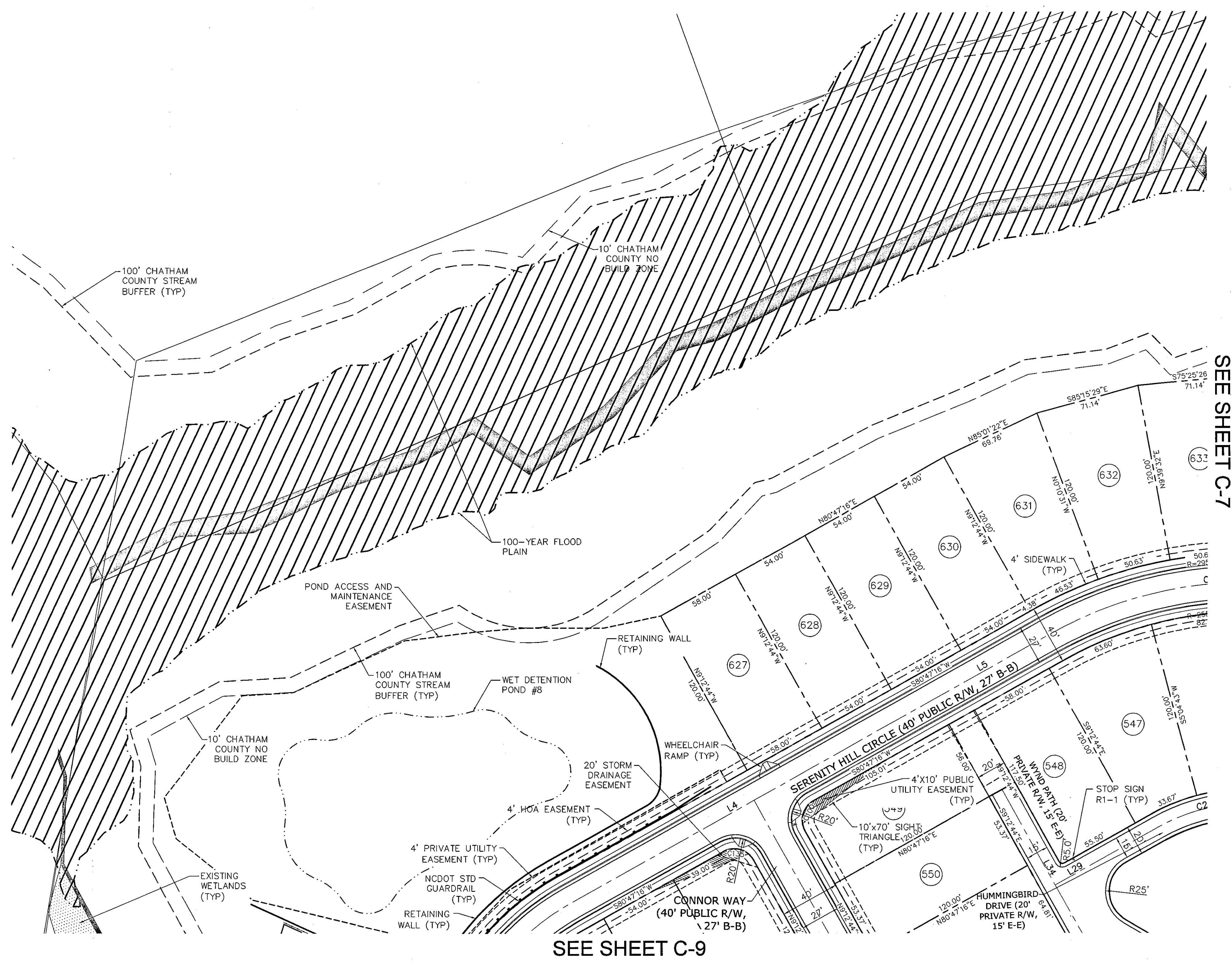
DATE: AUGUST 6, 2010	SCALE: HORIZONTAL: 1" = 40'	MAC FILE NUMBER: CS101
MCE PROJ. # 02735-0069	DRAWN: CMB	DRAWING NUMBER: C-7
CHECKED: CMB	VERTICAL: NA	REVISION: 2
PROJ. MGR: GML	STATUS: ISSUED FOR PERMIT	



VICINITY MAP
NOT TO SCALE



KEY MAP
NOT TO SCALE

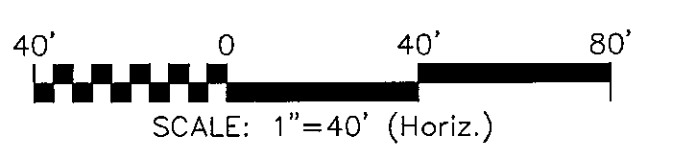


SEE SHEET C-7

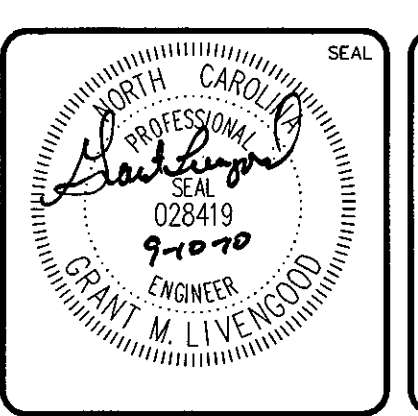
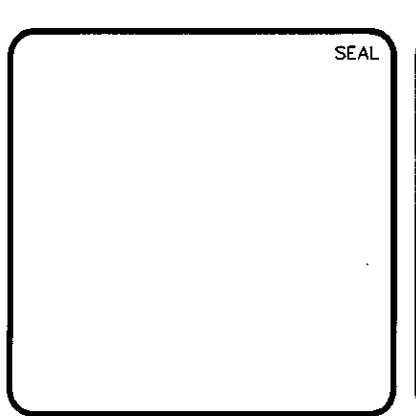
SEE SHEET C-9

- LEGEND**
- EXISTING WETLANDS
 - EXISTING STREAM CHANNEL
 - NEW PAVEMENT
 - ROADWAY CENTERLINE
 - LOT LINE
 - EXISTING ROW
 - 100-YEAR FLOODPLAIN
 - 100-YEAR FLOODPLAIN AREA
 - 50' CHATHAM COUNTY STREAM BUFFER
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 - ACCESSIBLE RAMP
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 - AHU AFFORDABLE HOUSING UNIT
 - E-E EDGE OF PAVEMENT TO EDGE OF PAVEMENT
 - B-B BACK OF CURB TO BACK OF CURB

- NOTES**
1. SEE SHEET C-3 FOR SITE PLAN NOTES.
 2. REFER TO PLAN AND PROFILE SHEETS FOR DETAILED SANITARY SEWER AND STORM DRAINAGE INFORMATION WITHIN PUBLIC ROADS AND PRIVATE ALLEYS.



REVNO.	DESCRIPTIONS	DATE
2	PRELIMINARY PLAT SUBMITTAL TO CHATHAM COUNTY PLANNING	09.10.2010
1	SUBMITTAL TO CLIENT FOR REVIEW	08.06.2010
	REVISIONS	



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**BRIAR CHAPEL
 PHASE 5 NORTH - SECTION 2
 CHATHAM COUNTY, NORTH CAROLINA**

SITE PLAN (5)

DATE: AUGUST 6, 2010	SCALE:	MAC FILE NUMBER:
MCE PROJ. # 02735-0069	HORIZONTAL:	CS101
DRAWN: CMB	1" = 40'	DRAWING NUMBER:
DESIGNED: CMB	VERTICAL:	C-8
CHECKED: GML	NA	REVISION:
PROJ. MGR: GML		2
STATUS: ISSUED FOR PERMIT		

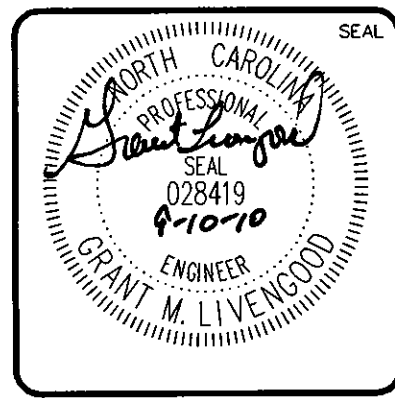
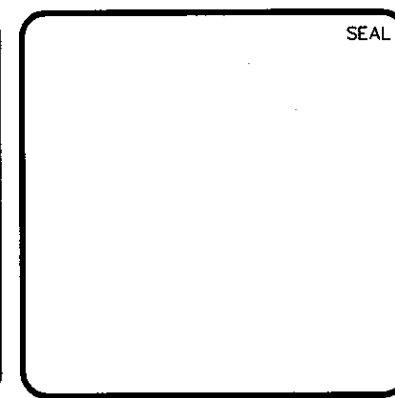
Lot Area Table		
Lot #	Area (SF)	Area (AC)
467	3430.01	0.08
468	3080.00	0.07
469	3080.00	0.07
470	3080.00	0.07
471	3605.05	0.08
472	6396.47	0.15
473	4800.00	0.11
474	4800.00	0.11
475	4685.69	0.11
476	4908.19	0.11
477	4907.97	0.11
478	4909.30	0.11
479	4910.73	0.11
480	5760.01	0.13
481	4800.00	0.11
482	4800.00	0.11
483	4819.15	0.11
484	5103.68	0.12
485	5103.48	0.12
486	5103.30	0.12
487	5103.13	0.12
488	5102.97	0.12
489	5102.76	0.12
490	5437.85	0.12
491	4985.18	0.11
492	5076.10	0.12
493	5877.83	0.13
494	4677.60	0.11
495	3175.89	0.07
496	3268.58	0.08
497	3268.51	0.08
498	3268.44	0.08
499	3268.35	0.08
500	3263.63	0.07
501	3120.00	0.07
502	3120.00	0.07
503	3120.00	0.07
504	3120.00	0.07
505	3107.80	0.07
506	4026.66	0.09
507	3903.19	0.09
508	1790.56	0.04
509	1790.56	0.04
510	2596.31	0.06
511	2596.31	0.06
512	1790.56	0.04
513	1790.56	0.04
514	3898.13	0.09
515	4806.10	0.11
516	2350.00	0.05

Lot Area Table		
Lot #	Area (SF)	Area (AC)
517	2350.00	0.05
518	2350.00	0.05
519	2350.00	0.05
520	5242.18	0.12
521	5624.21	0.13
522	3966.97	0.09
523	3959.39	0.09
524	7011.93	0.16
526	2817.91	0.06
527	2817.91	0.06
528	2817.91	0.06
529	2817.91	0.06
530	4150.87	0.10
531	6402.03	0.15
532	4874.10	0.11
533	5533.86	0.13
534	6854.25	0.16
535	6360.00	0.15
536	6360.00	0.15
537	6360.00	0.15
538	6360.00	0.15
539	6360.00	0.15
540	8814.38	0.20
541	8922.58	0.20
542	7281.63	0.17
543	6962.81	0.16
544	7023.85	0.16
545	7565.44	0.17
546	7565.44	0.17
547	7293.13	0.17
548	6958.66	0.16
549	6671.80	0.15
550	6404.05	0.15
551	7052.16	0.16
552	7064.04	0.16
553	7272.43	0.17
554	7609.96	0.17
555	6672.12	0.15
556	6527.48	0.15
557	6611.75	0.15
558	7322.69	0.17
559	6741.88	0.15
560	3896.90	0.09
561	3311.43	0.08
562	3115.82	0.07
563	3113.63	0.07
564	3617.57	0.08
565	3119.38	0.07
566	3118.62	0.07
567	3117.85	0.07

Lot Area Table		
Lot #	Area (SF)	Area (AC)
568	5617.59	0.13
569	3915.26	0.09
570	3145.59	0.07
571	3170.86	0.07
572	3241.95	0.07
573	3389.39	0.08
574	3441.95	0.08
575	3511.89	0.08
576	3599.41	0.08
577	3704.83	0.09
578	4625.97	0.11
579	5640.50	0.13
580	5666.81	0.13
581	4079.71	0.09
582	4079.53	0.09
583	5516.00	0.13
584	4792.59	0.11
585	3916.65	0.09
586	3960.03	0.09
587	4003.41	0.09
588	4057.63	0.09
589	4101.01	0.09
590	4665.49	0.11
591	5248.27	0.12
592	5306.41	0.12
593	5289.86	0.12
594	5171.38	0.12
595	6286.81	0.14
596	4535.40	0.10
597	3902.68	0.09
598	3941.76	0.09
599	3980.83	0.09
600	4019.91	0.09
601	4058.99	0.09
602	4098.06	0.09
603	4137.14	0.09
604	4176.22	0.10
605	4827.16	0.11
606	5430.53	0.12
607	5142.68	0.12
608	4961.04	0.11
609	7511.71	0.17
610	7560.00	0.17
611	12776.67	0.29
612	7550.30	0.17
613	5605.26	0.13
614	5624.16	0.13
615	5578.67	0.13
616	5533.04	0.13
617	5487.41	0.13

Lot Area Table		
Lot #	Area (SF)	Area (AC)
618	5982.19	0.14
619	5409.28	0.12
620	4999.16	0.11
621	6128.16	0.14
622	6213.52	0.14
623	6480.00	0.15
624	6795.89	0.16
625	7651.38	0.18
626	7651.38	0.18
627	6960.00	0.16
628	6480.00	0.15
629	6480.00	0.15
630	6480.00	0.15
631	7177.23	0.16
632	7239.36	0.17
633	7239.36	0.17
634	7239.36	0.17
635	8549.45	0.20
636	9920.06	0.23
637	8363.57	0.19
638	7138.27	0.16
639	7138.27	0.16
640	6828.37	0.16

REV. NO.	DESCRIPTIONS	DATE
2	PRELIMINARY PLAT SUBMITTAL TO CHATHAM COUNTY PLANNING	09.10.2010
1	SUBMITTAL TO CLIENT FOR REVIEW	08.06.2010



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**BRIAR CHAPEL
 PHASE 5 NORTH
 CHATHAM COUNTY, NORTH CAROLINA**

LOT ACREAGE TABLE

DATE: AUGUST 6, 2010
 MCE PROJ. # 02735-0069
 DRAWN: CMB
 DESIGNED: CMB
 CHECKED: GML
 PROJ. MGR: GML

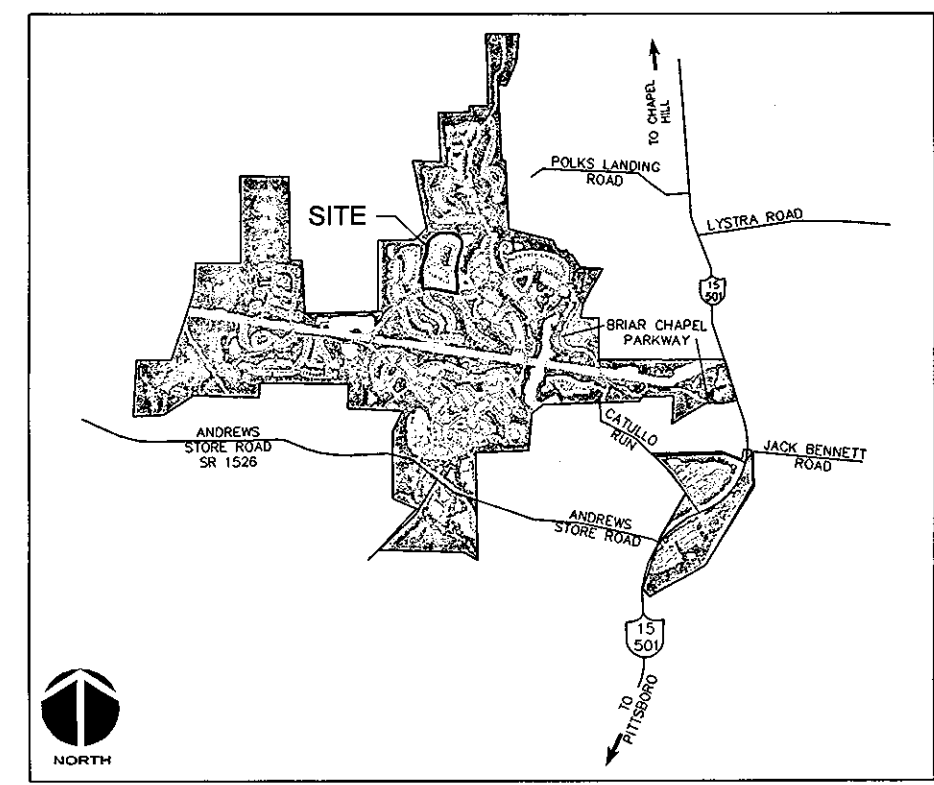
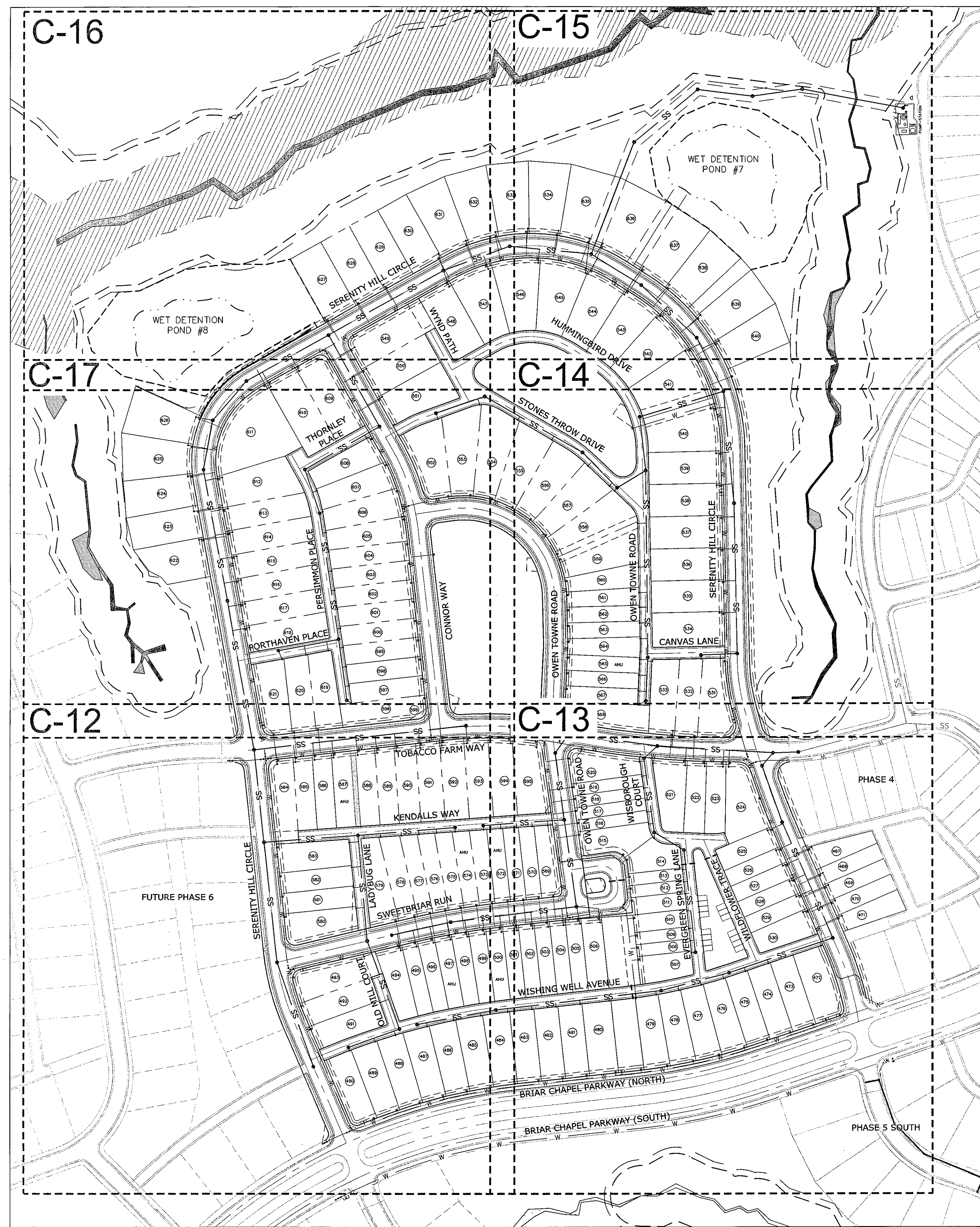
SCALE
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 VERTICAL: NA

M&C FILE NUMBER: CS101
 DRAWING NUMBER: C-10
 REVISION: 2

STATUS: ISSUED FOR PERMIT

UTILITY NOTES:

- ALL SANITARY SEWER CONSTRUCTION IS TO BE PERFORMED IN ACCORDANCE WITH CURRENT NCDENR & CHATHAM COUNTY STANDARDS, SPECIFICATIONS & DETAILS.
- ALL WATER MAIN CONSTRUCTION IS TO BE PERFORMED IN ACCORDANCE WITH CURRENT CHATHAM COUNTY STANDARDS, SPECIFICATIONS & DETAILS.
- ALL PERMITS RELATING TO THIS PROJECT MUST BE OBTAINED PRIOR TO CONSTRUCTION.
- ALL WATER MAINS SHALL HAVE A MIN. OF 3'-6" OF COVER AS MEASURED FROM FINISHED GRADE AT THE LOCATION WHERE INSTALLED.
- WATER MAINS SHALL BE LAID AT LEAST 10 FEET LATERALLY FROM EXISTING OR PROPOSED SEWERS, UNLESS LOCAL CONDITIONS OR BARRIERS PREVENT A 10-FOOT LATERAL SEPARATION, IN WHICH CASE:
 - THE WATER MAIN IS LAID IN A SEPARATE TRENCH, WITH THE ELEVATION OF THE BOTTOM OF THE WATER MAIN AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER; OR
 - THE WATER MAIN IS LAID IN THE SAME TRENCH AS THE SEWER WITH THE WATER MAIN LOCATED AT ONE SIDE ON A BENCH OF UNDISTURBED EARTH, AND WITH THE ELEVATION OF THE BOTTOM OF THE WATER MAIN AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER.
- WHERE A WATER MAIN CROSSES OVER A SANITARY SEWER, THE WATER MAIN SHALL BE LAID AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER, UNLESS LOCAL CONDITIONS OR BARRIERS PREVENT AN 18-INCH VERTICAL SEPARATION - IN WHICH CASE BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF DUCTILE IRON AND WITH JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING.
- WHERE A WATER MAIN CROSSES UNDER A SANITARY SEWER, BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF DUCTILE IRON AND WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING. A SECTION OF WATER MAIN PIPE SHALL BE CENTERED AT THE POINT OF CROSSING. SEE NCAC 15A, 18C, SECTION .0906.
- CONTRACTOR SHALL USE A MIN. 20' SECTION DIP CENTERED UNDER STORMWATER PIPE WHERE 18' MIN. VERTICAL CLEARANCE CANNOT BE MET BETWEEN STORMWATER AND WATER.
- TRACER WIRE AND TRACER WIRE TEST STATIONS ARE TO BE INSTALLED ON ALL PVC WATER MAINS. TRACER WIRE TEST STATIONS ARE TO BE LOCATED AT ALL FIRE HYDRANTS WITHIN A 3 FOOT RADIUS OF THE HYDRANT AND PREFERABLY TO THE REAR OF THE HYDRANT.
- WATER SERVICES SHALL BE EXTENDED FROM THE MAIN TO A METER BOX LOCATED WITHIN THE RIGHT OF WAY. THE METER SHALL BE PLACED AT THE EDGE OF THE SERVICED LOT'S RIGHT OF WAY LINE OR EASEMENT. SERVICE LINE SHALL BE RUN ON A TRUE LINE FROM THE WATER MAIN TO THE METER BOX, AND WHERE POSSIBLE, SERVICE LINE SHALL BE PERPENDICULAR TO THE MAIN LINE. NO WATER BOXES OR VAULTS SHALL BE PLACED IN STREETS, SIDEWALKS, PARKING AREAS, OR DRIVEWAYS.
- MANHOLES SHALL BE SPACED A MAXIMUM DISTANCE OF 400 FEET APART.
- MANHOLES SHALL BE INSTALLED AT EACH DEFLECTION OF LINE AND/OR GRADE WITH A MINIMUM DROP OF 0.2 FEET. MANHOLES FOR SEWERS GREATER THAN 21 INCHES IN DIAMETER SHALL BE 5 FOOT MANHOLES. MANHOLES FOR SEWERS 12 FEET OR DEEPER SHALL BE MINIMUM 5 FOOT DIAMETER. MANHOLE TOPS SHALL BE SET FLUSH WITH PAVEMENT WHERE INSTALLED IN A STREET.
- SERVICE CONNECTIONS FOR THE SANITARY SEWER LINES SHOULD BE PERPENDICULAR FROM THE MAIN LINE TO THE EDGE OF THE SERVICED LOT'S RIGHT OF WAY LINE OR EASEMENT WITH A MINIMUM GRADE OF 1/4" INCH/FOOT FOR 4 INCH AND .6 FOOT/100 FOOT FOR 6 INCH. ALL CLEANOUTS SHALL EXTEND A MINIMUM OF 6 INCHES ABOVE THE FINISHED GRADE. WHERE A SERVICE LINE IS CONNECTED TO A MANHOLE, THE LINE SHALL TERMINATE AT THE EDGE OF THE INVERT IN THE MANHOLE. NO CLEANOUTS SHALL BE PLACED IN STREETS, SIDEWALKS, PARKING AREAS, OR DRIVEWAYS.
- ALL SANITARY SEWER LINES ARE 8" PVC UNLESS OTHERWISE NOTED AND ALL WATER MAIN LINES ARE 8" D.I. UNLESS OTHERWISE NOTED. ALL SANITARY SEWER SERVICES ARE 4" AND ALL WATER MAIN SERVICES ARE 1".
- MINIMUM COVER OF 5 FEET IN TRAFFIC AREAS TO BE PROVIDED FOR ALL COLLECTOR LINES 4 INCHES AND LARGER. IF LESS THAN 5 FEET, DUCTILE IRON PIPE SHALL BE REQUIRED.
- SANITARY SEWER PIPES CONSTRUCTED IN PHASE 5 MAY REQUIRE CORING FOR PHASE 4 CONNECTIONS. CONTRACTOR SHALL FIELD VERIFY AND COORDINATE WITH THE OWNER.
- USE WATERTIGHT RIMS FOR SANITARY SEWER MANHOLES LOCATED IN PAVED ALLEYS.
- SANITARY SEWER WITHIN PRIVATE EASEMENTS TO BE OWNED, OPERATED AND MAINTAINED BY HOME OWNERS ASSOCIATION OR AGENT THEREOF.
- WATER MAINS WILL BE 3.5' OFF CURB AND GUTTER UNLESS SHOWN OTHERWISE.
- ALL WATER MAINS WITHIN PUBLIC EASEMENTS AND PUBLIC RIGHT-OF-WAY TO BE OWNED, OPERATED AND MAINTAINED BY CHATHAM COUNTY, AND WILL BE CONTAINED WITHIN 20' WIDE PUBLIC WATER LINE EASEMENT CENTERED ON THE PROPOSED WATER MAIN.
- EXISTING INFRASTRUCTURE AS SHOWN MAY BE UNDER CONSTRUCTION AND SHALL BE FIELD VERIFIED BY CONTRACTOR. REFER TO THE FOLLOWING JOHN R. MCADAMS BRIAR CHAPEL PLANS AND CONSTRUCTION BULLETINS FOR ADDITIONAL INFORMATION:
 - PUMP STATION CONSTRUCTION PLANS, DATED APR 3, 2006
- CONTRACTOR TO COORDINATE WITH OWNER ON IRRIGATION SLEEVE SIZING.

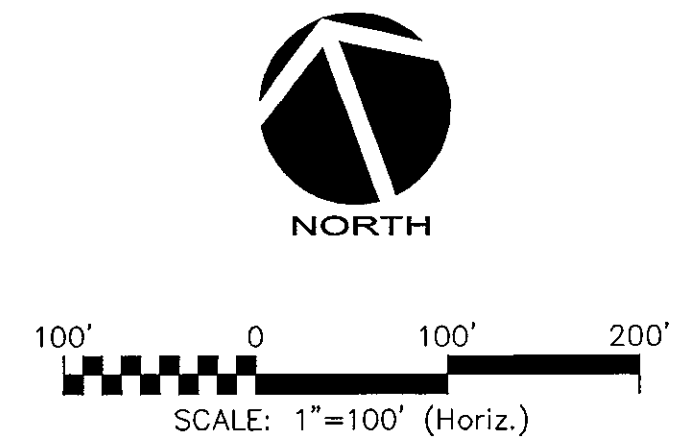


VICINITY MAP
NOT TO SCALE

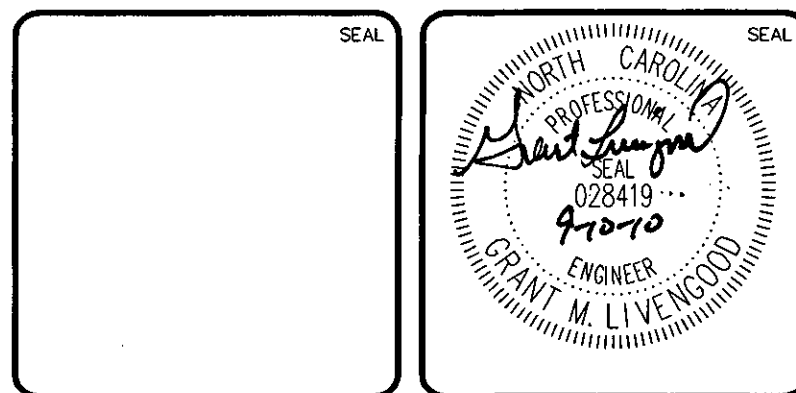
LEGEND

- SS SANITARY SEWER LINE
- W WATER MAIN
- SS EXISTING SANITARY SEWER LINE
- W EXISTING WATER MAIN
- (S) SANITARY SEWER MANHOLE
- ⊗ SANITARY SEWER CLEANOUT
- WATER METER
- BLOWOFF VALVE ASSEMBLY
- ⊕ FIRE HYDRANT ASSEMBLY (FHA)
- ROADWAY CENTERLINE
- ROW
- LOT LINE
- 50' CHATHAM COUNTY STREAM BUFFER
- 10' NO BUILD ZONE BUFFER
- 4' H.O.A. EASEMENT
- 4' PRIVATE UTILITY EASEMENT
- 100-YEAR FLOODPLAIN
- 100-YEAR FLOODPLAIN AREA
- EXISTING WETLANDS
- EXISTING STREAM CHANNEL

CALL N.C. ONE
CALL CENTER
BEFORE YOU DIG
STOP
1-800-632-4949
AVOID UTILITY
DAMAGE



REV. NO.	DESCRIPTIONS	DATE
3	PRELIMINARY PLAT SUBMITTAL TO CHATHAM COUNTY PLANNING	09.10.2010
2	REVISED PER CHATHAM COUNTY PUBLIC UTILITIES COMMENTS	09.01.2010
1	SUBMITTAL TO CLIENT FOR REVIEW	08.08.2010



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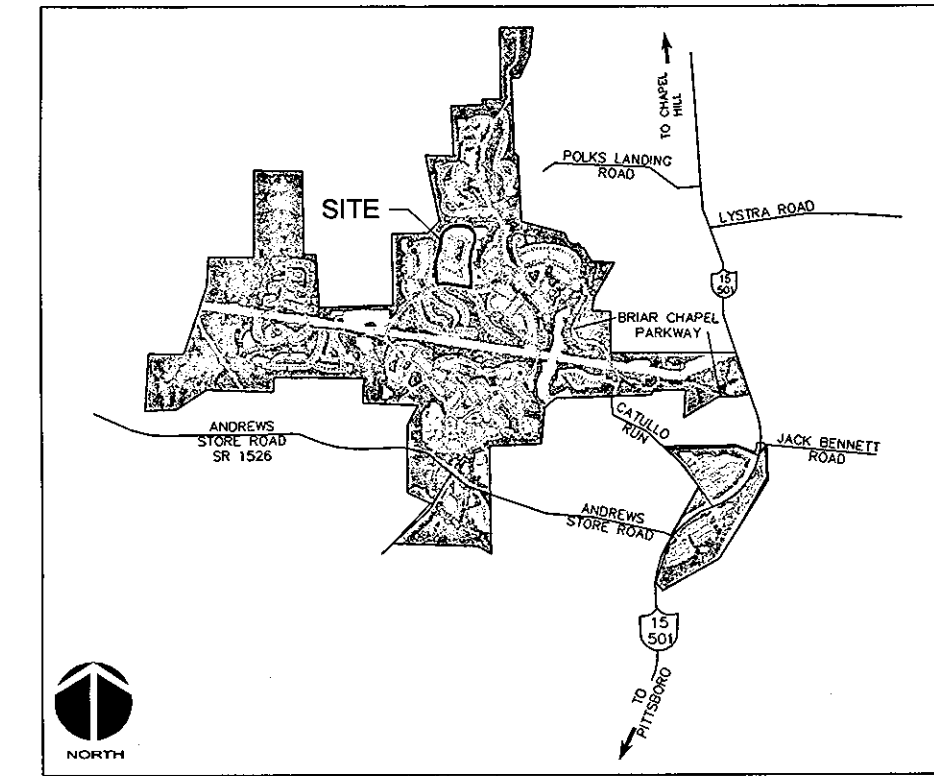
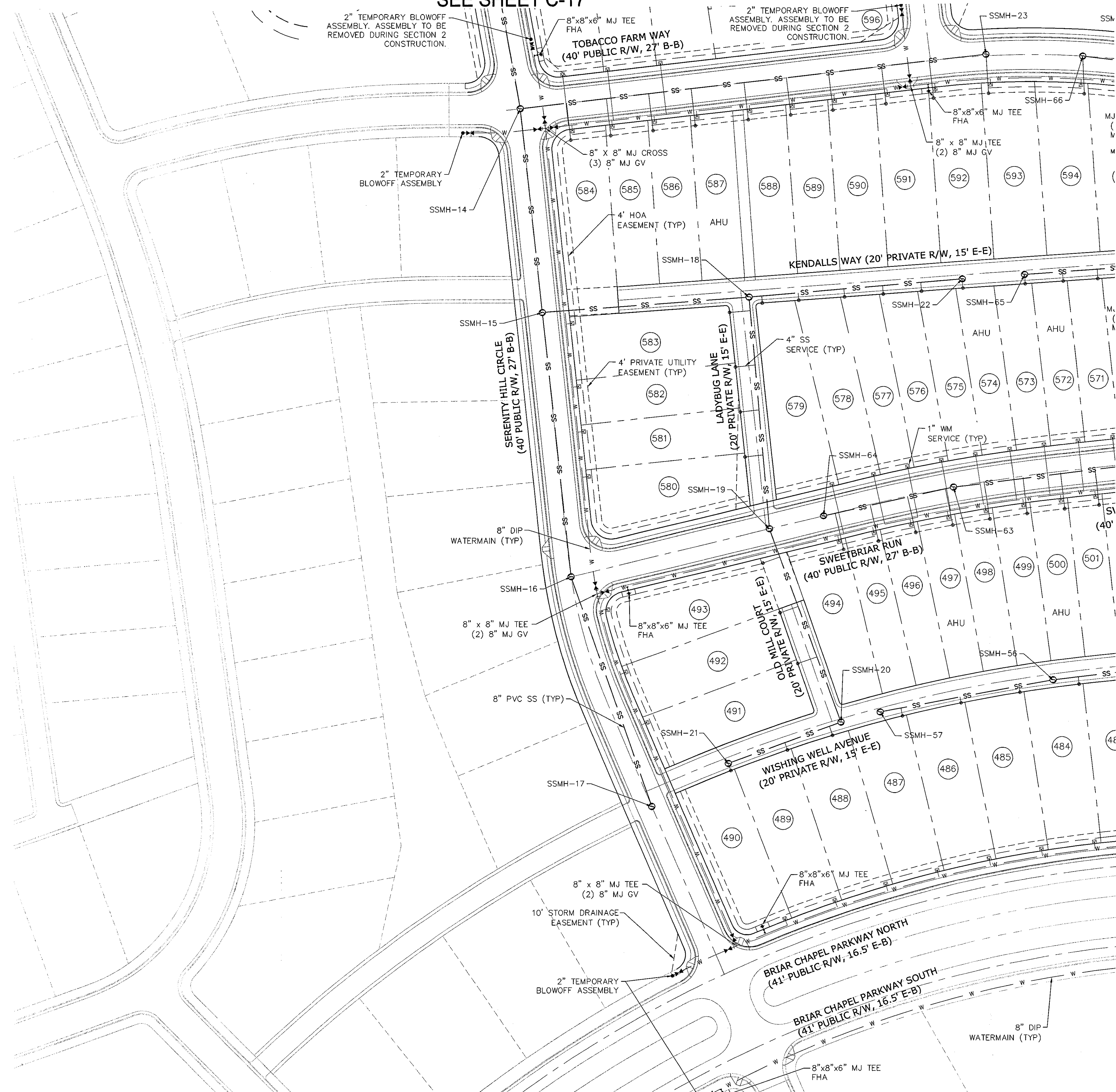
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CHATHAM COUNTY, NORTH CAROLINA**

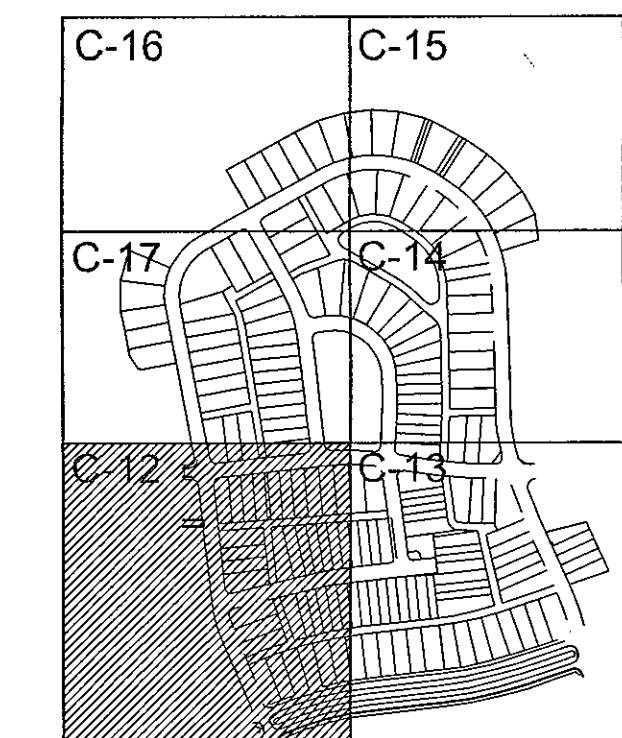
OVERALL UTILITY PLAN

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DRAWN: CMB		
DESIGNED: CMB		
CHECKED: GML		
PROJ. MGR: GML		
STATUS: ISSUED FOR PERMIT		REVISION: 3

SEE SHEET C-17



VICINITY MAP
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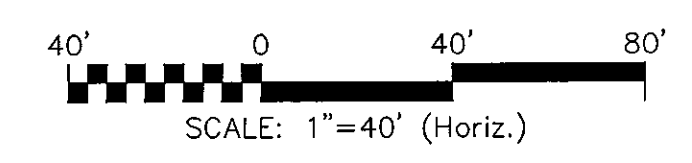


KEY MAP
NOT TO SCALE

SEE SHEET C-13

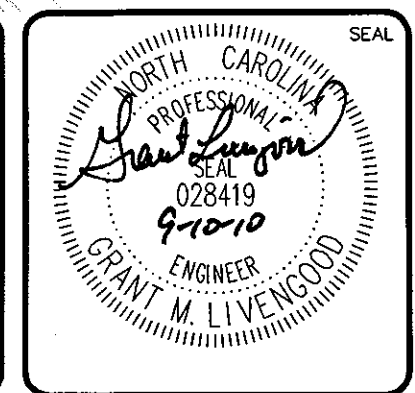
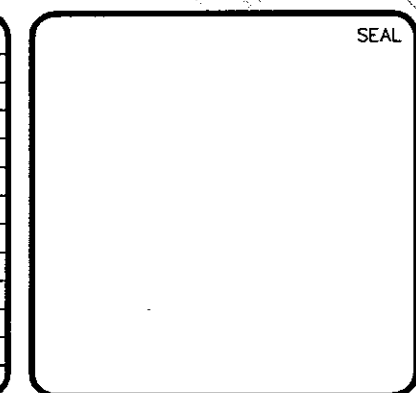
LEGEND

- SS SANITARY SEWER LINE
- W WATER MAIN
- SS EXISTING SANITARY SEWER LINE
- W EXISTING WATER MAIN
- ⊙ SANITARY SEWER MANHOLE
- ⊗ SANITARY SEWER CLEANOUT
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- - - 4' PRIVATE UTILITY EASEMENT
- - - 100-YEAR FLOODPLAIN
- - - 100-YEAR FLOODPLAIN AREA
- - - EXISTING WETLANDS
- - - EXISTING STREAM CHANNEL



NOTES
1. SEE SHEET C-3 FOR SITE PLAN NOTES.
2. REFER TO PLAN AND PROFILE SHEETS FOR DETAILED SANITARY SEWER AND STORM DRAINAGE INFORMATION WITHIN PUBLIC ROADS AND PRIVATE ALLEYS.

REV. NO.	DESCRIPTIONS	DATE
3	PRELIMINARY PLAT SUBMITTAL TO CHATHAM COUNTY PLANNING	09.10.2010
2	REVISED PER CHATHAM COUNTY PUBLIC UTILITIES COMMENTS	09.01.2010
1	SUBMITTAL TO CLIENT FOR REVIEW	08.06.2010



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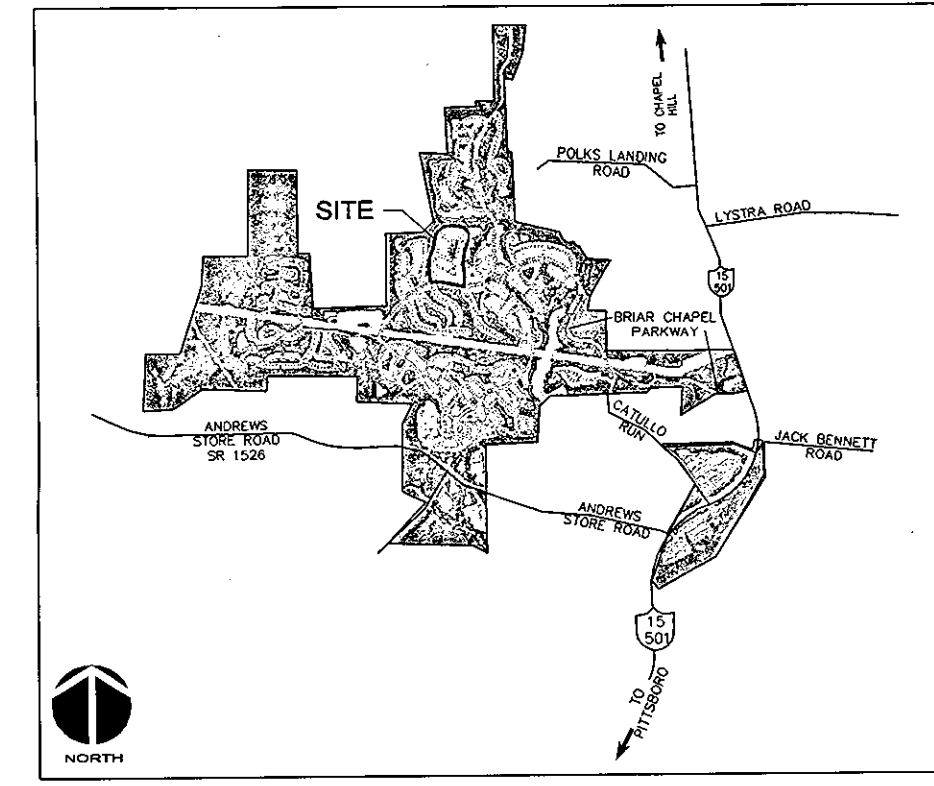
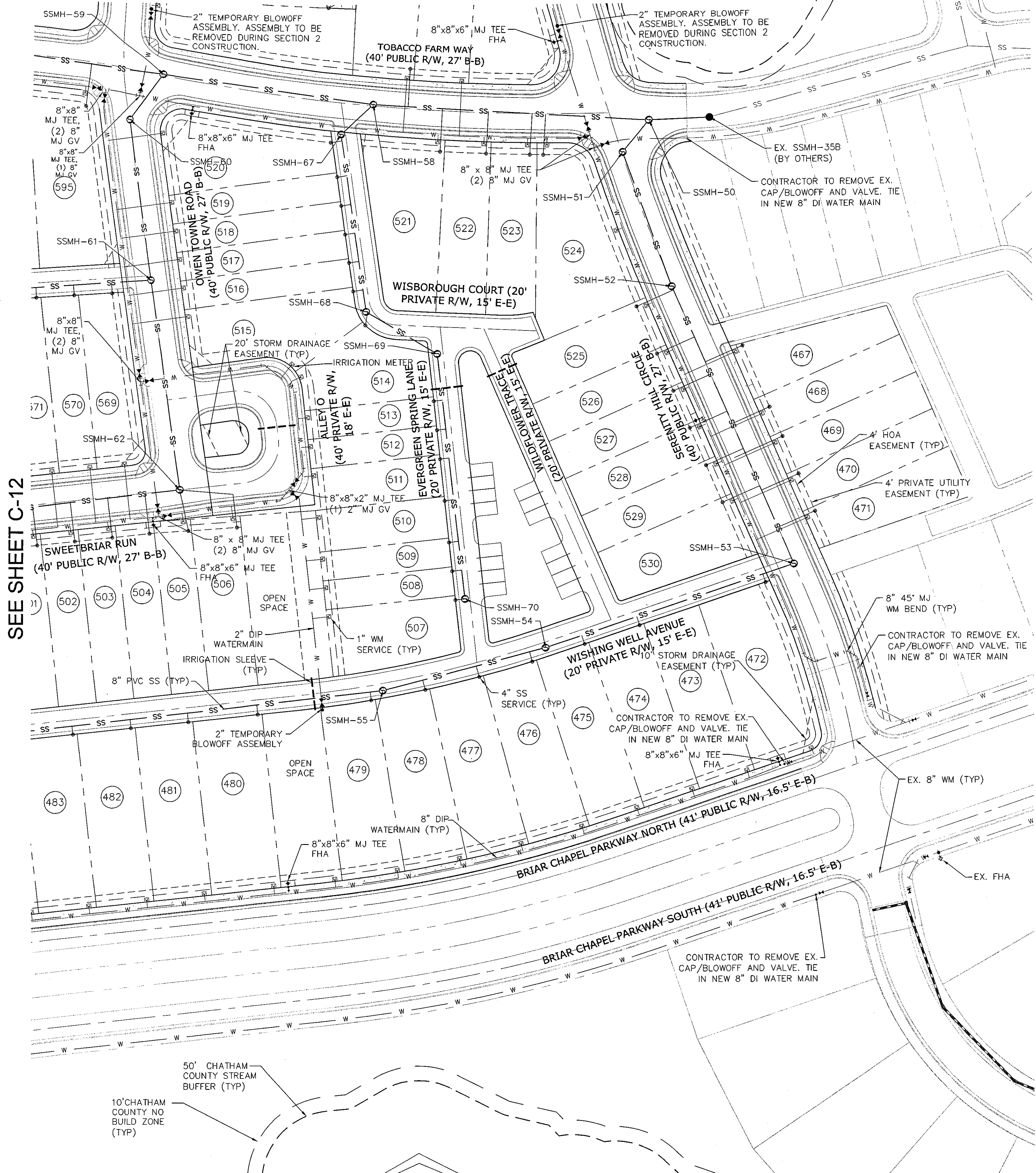
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PHASE 5 NORTH - SECTION 1
CHATHAM COUNTY, NORTH CAROLINA**

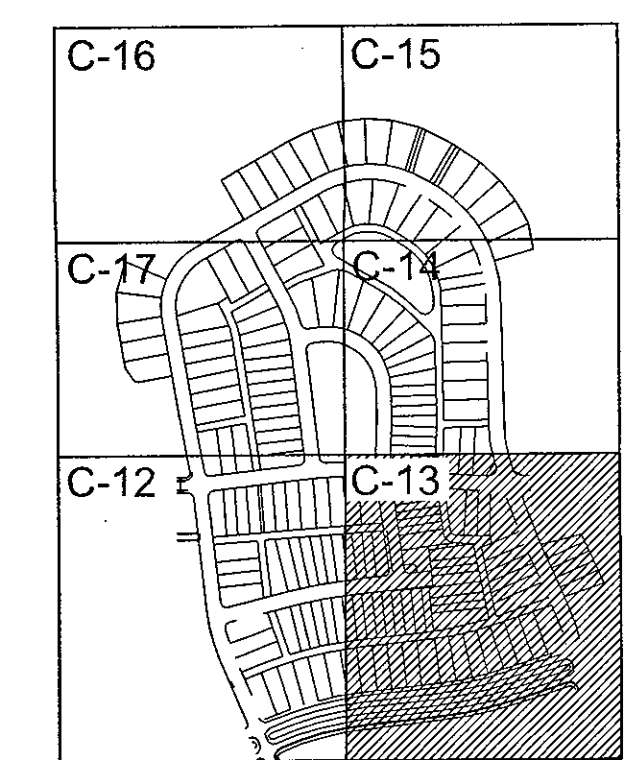
UTILITY PLAN

DATE: AUGUST 6, 2010	SCALE: 1" = 40'	MAP FILE NUMBER: CU101
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DRAWN: CMB	CHECKED: GML	PROJ. MGR.: GML
STATUS: ISSUED FOR PERMIT	REVISION: 3	

SEE SHEET C-14



VICINITY MAP
NOT TO SCALE



KEY MAP
NOT TO SCALE

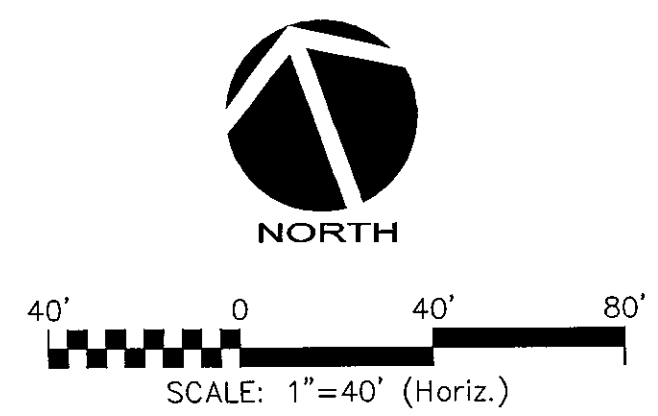
SEE SHEET C-12

LEGEND

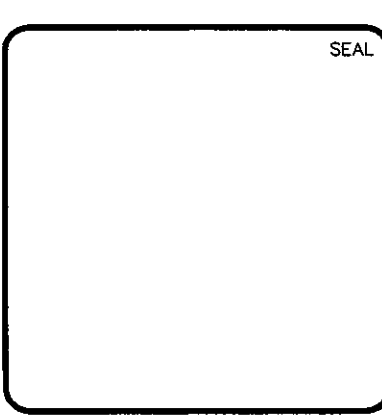
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- W WATER MAIN
- SS EXISTING SANITARY SEWER LINE
- W EXISTING WATER MAIN
- ⊙ SANITARY SEWER MANHOLE
- ⊗ SANITARY SEWER CLEANOUT
- ⊠ WATER METER
- ⊕ BLOWOFF VALVE ASSEMBLY
- ⊙ FIRE HYDRANT ASSEMBLY (FHA)
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- 10' NO BUILD ZONE BUFFER
- 4' H.O.A. EASEMENT
- 4' PRIVATE UTILITY EASEMENT
- 100-YEAR FLOODPLAIN
- ▨ 100-YEAR FLOODPLAIN AREA
- ▨ EXISTING WETLANDS
- ▨ EXISTING STREAM CHANNEL

NOTES
1. SEE SHEET C-3 FOR SITE PLAN NOTES.
2. REFER TO PLAN AND PROFILE SHEETS FOR DETAILED SANITARY SEWER AND STORM DRAINAGE INFORMATION WITHIN PUBLIC ROADS AND PRIVATE ALLEYS.

50' CHATHAM COUNTY STREAM BUFFER (TYP)
10' CHATHAM COUNTY NO BUILD ZONE (TYP)



REV. NO.	DESCRIPTION	DATE
3	PRELIMINARY PLAT SUBMITTAL TO CHATHAM COUNTY PLANNING	09.16.2010
2	REVISED PER CHATHAM COUNTY PUBLIC UTILITIES COMMENTS	09.01.2010
1	SUBMITTAL TO CLIENT FOR REVIEW	08.06.2010



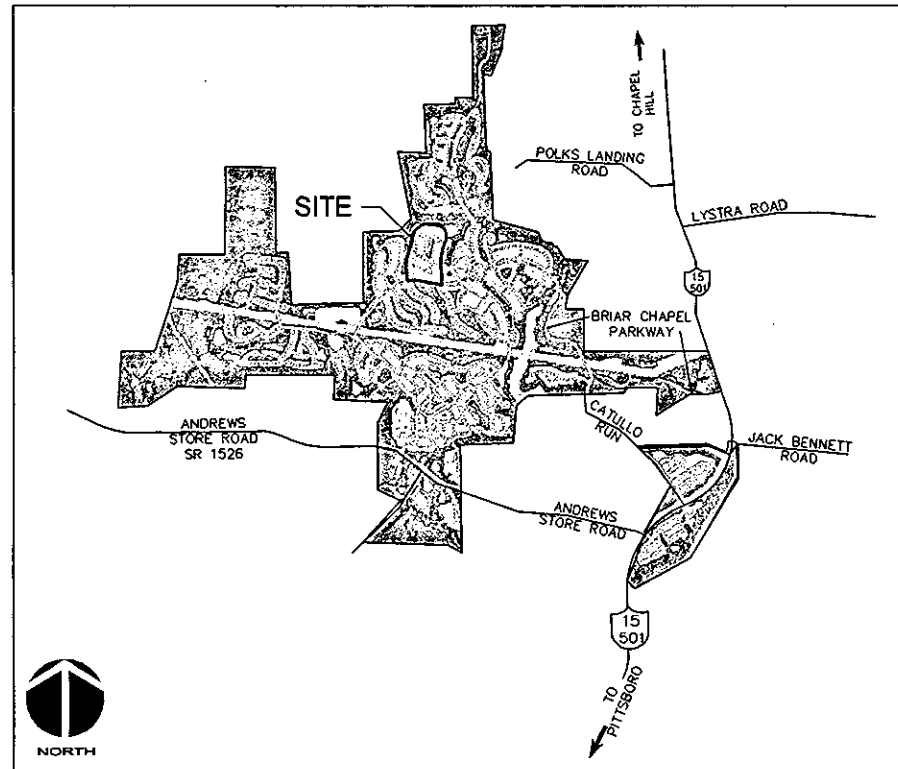
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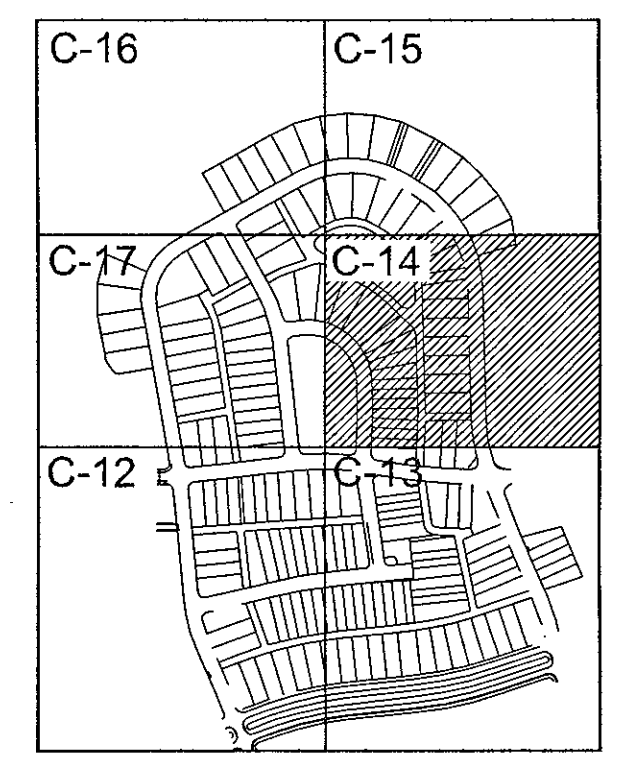
**BRIAR CHAPEL
PHASE 5 NORTH - SECTION 1
CHATHAM COUNTY, NORTH CAROLINA**

UTILITY PLAN

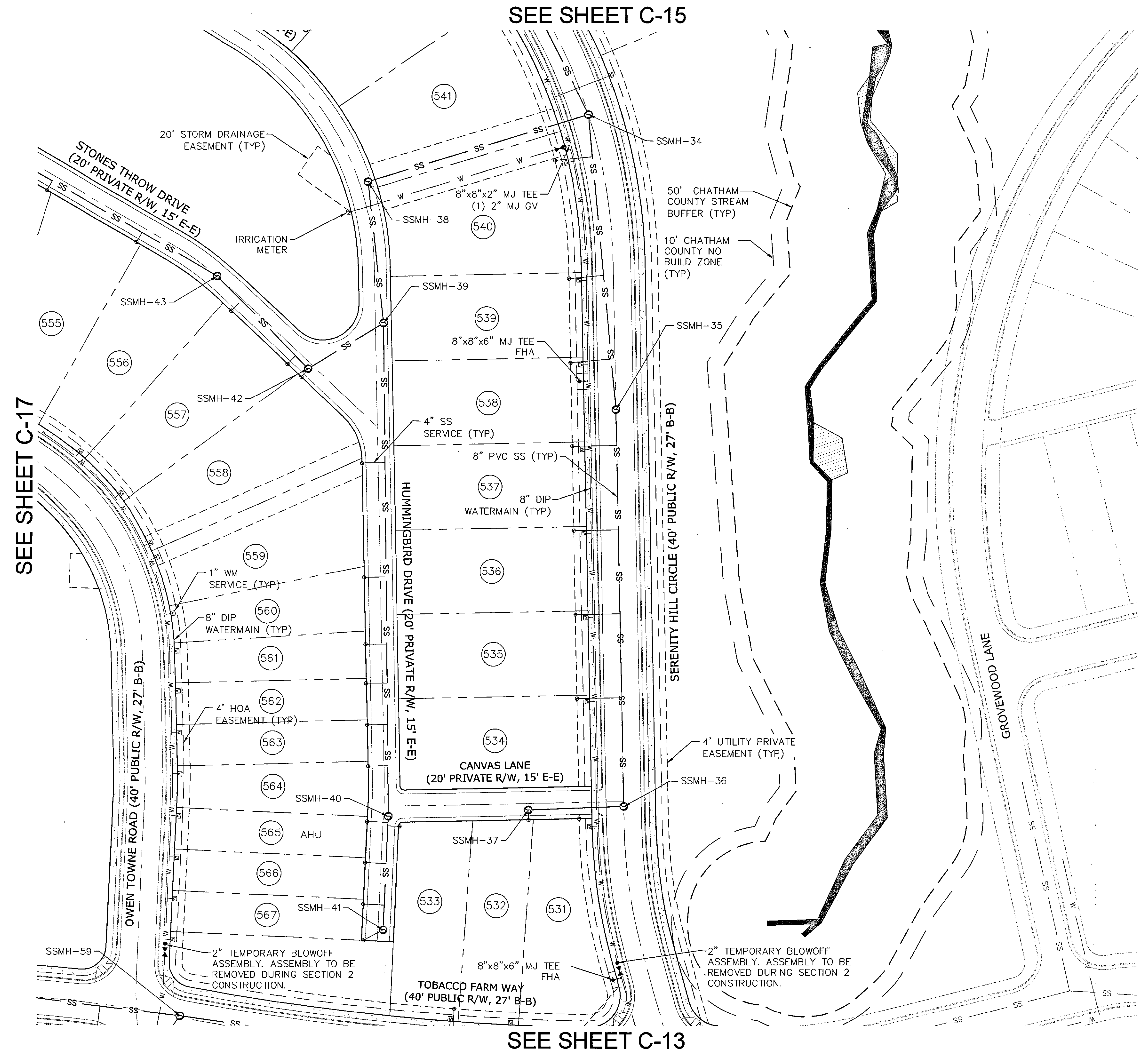
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DESIGNED: CMB		
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PROJ. MGR.: GML		
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VICINITY MAP
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KEY MAP
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LEGEND

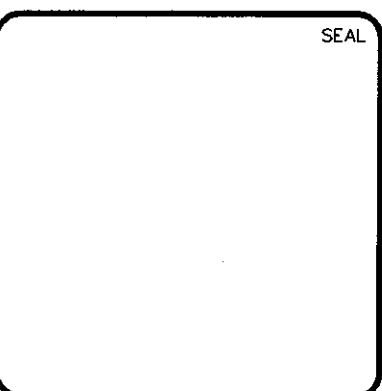
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- W WATER MAIN
- SS EXISTING SANITARY SEWER LINE
- W EXISTING WATER MAIN
- (S) SANITARY SEWER MANHOLE
- ⊗ SANITARY SEWER CLEANOUT
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- - - 100-YEAR FLOODPLAIN
- ▨ 100-YEAR FLOODPLAIN AREA
- ▤ EXISTING WETLANDS
- ▧ EXISTING STREAM CHANNEL

NOTES
 1. SEE SHEET C-3 FOR SITE PLAN NOTES.
 2. REFER TO PLAN AND PROFILE SHEETS FOR DETAILED SANITARY SEWER AND STORM DRAINAGE INFORMATION WITHIN PUBLIC ROADS AND PRIVATE ALLEYS.



SCALE: 1" = 40' (Horiz.)

REV. NO.	DESCRIPTIONS	DATE
3	PRELIMINARY PLAN SUBMITTAL TO CHATHAM COUNTY PLANNING	08.10.2010
2	REVISED PER CHATHAM COUNTY PUBLIC UTILITIES COMMENTS	08.01.2010
1	SUBMITTAL TO CLIENT FOR REVIEW	08.06.2010



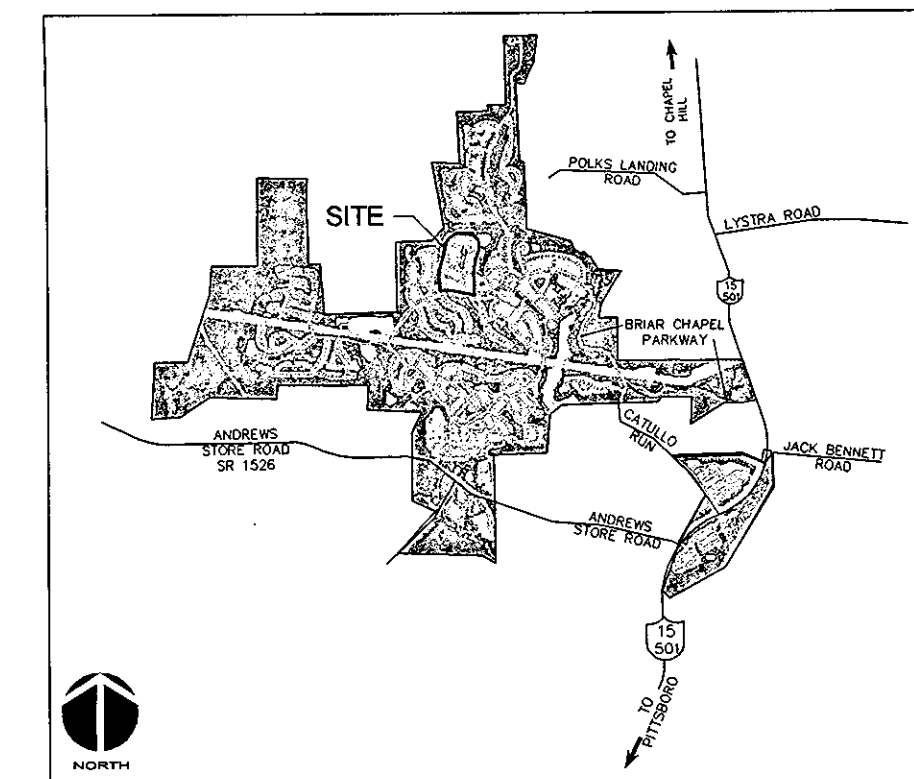
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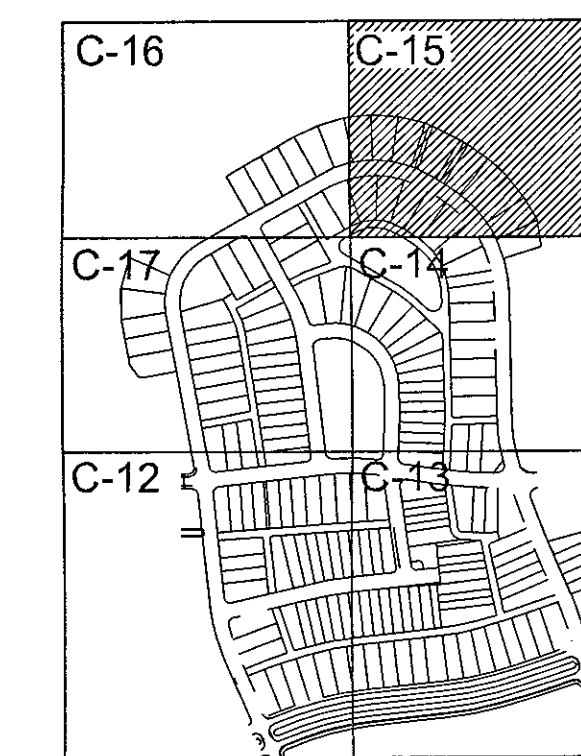
**BRIAR CHAPEL
 PHASE 5 NORTH - SECTION 2
 CHATHAM COUNTY, NORTH CAROLINA**

UTILITY PLAN

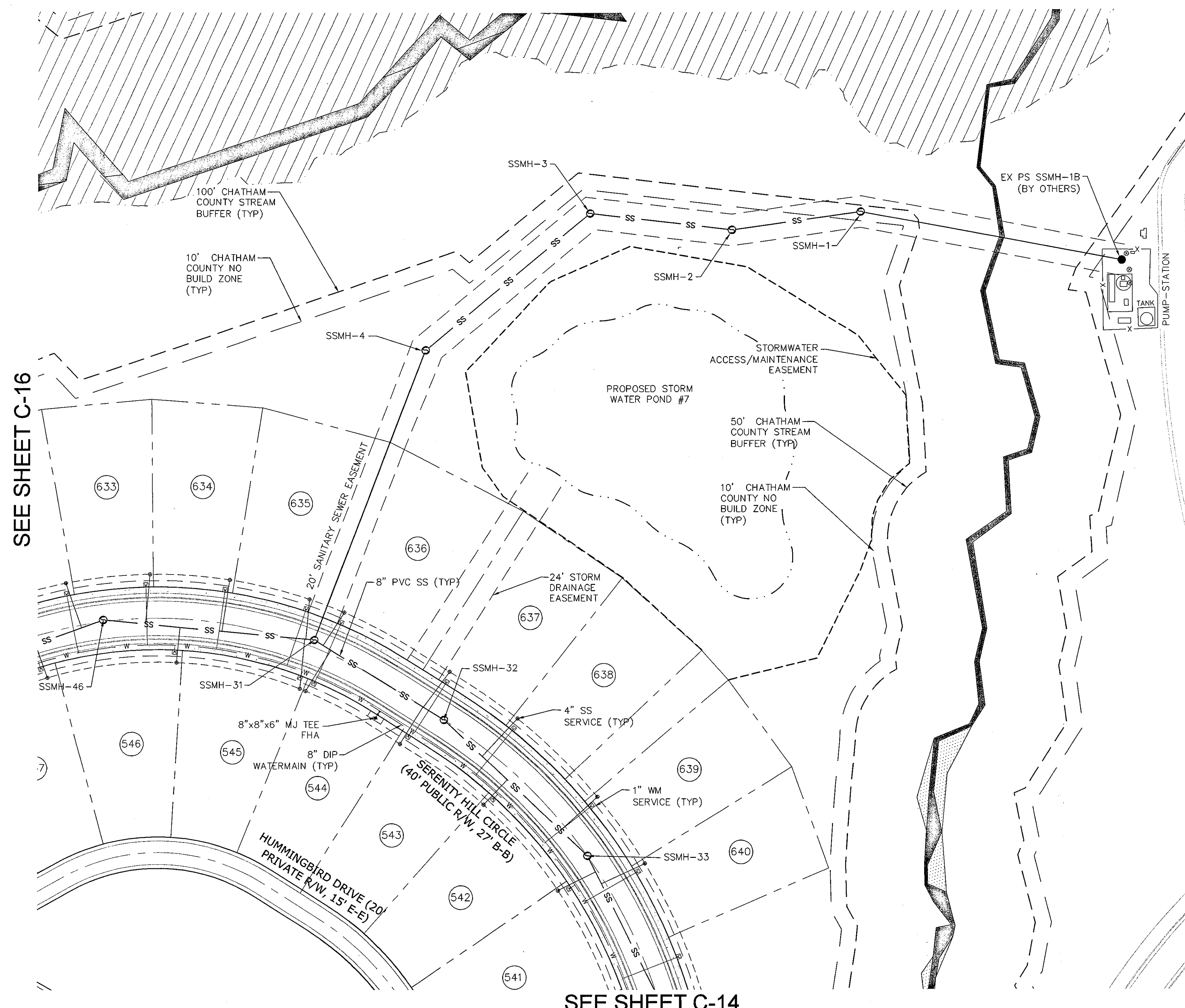
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VICINITY MAP
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KEY MAP
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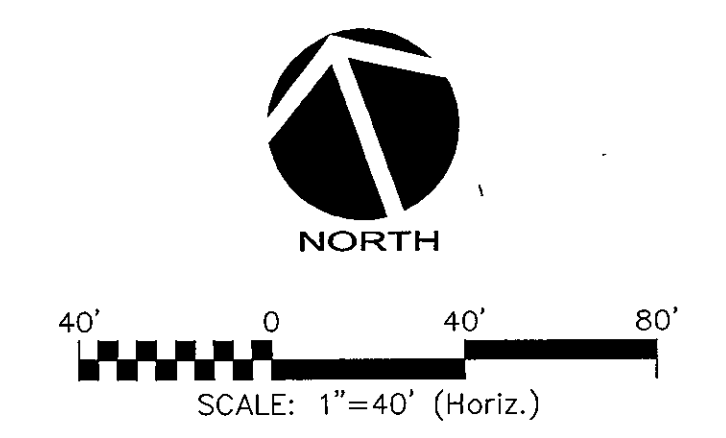
SEE SHEET C-16

SEE SHEET C-14

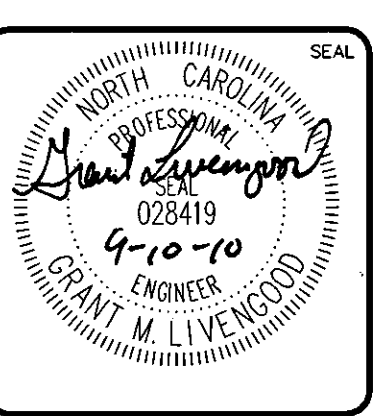
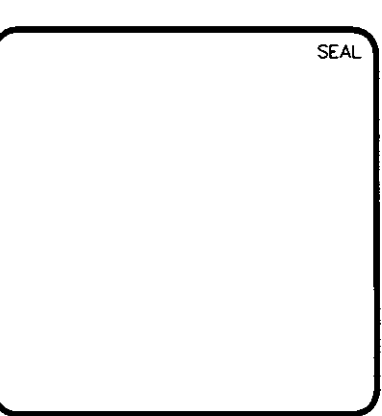
NOTES
1. SEE SHEET C-3 FOR SITE PLAN NOTES.
2. REFER TO PLAN AND PROFILE SHEETS FOR DETAILED SANITARY SEWER AND STORM DRAINAGE INFORMATION WITHIN PUBLIC ROADS AND PRIVATE ALLEYS.

LEGEND

SS	SANITARY SEWER LINE
W	WATER MAIN
SS	EXISTING SANITARY SEWER LINE
W	EXISTING WATER MAIN
⊙	SANITARY SEWER MANHOLE
⊗	SANITARY SEWER CLEANOUT
⊠	WATER METER
⊕	BLOWOFF VALVE ASSEMBLY
⊖	FIRE HYDRANT ASSEMBLY (FHA)
---	ROADWAY CENTERLINE
---	ROW
---	LOT LINE
---	50' CHATHAM COUNTY STREAM BUFFER
---	10' NO BUILD ZONE BUFFER
---	4' H.O.A. EASEMENT
---	4' PRIVATE UTILITY EASEMENT
---	100-YEAR FLOODPLAIN
---	100-YEAR FLOODPLAIN AREA
---	EXISTING WETLANDS
---	EXISTING STREAM CHANNEL



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2	PRELIMINARY PLAT SUBMITTAL TO CHATHAM COUNTY PLANNING	09.10.2010
1	SUBMITTAL TO CLIENT FOR REVIEW	08.06.2010
	REVISIONS	



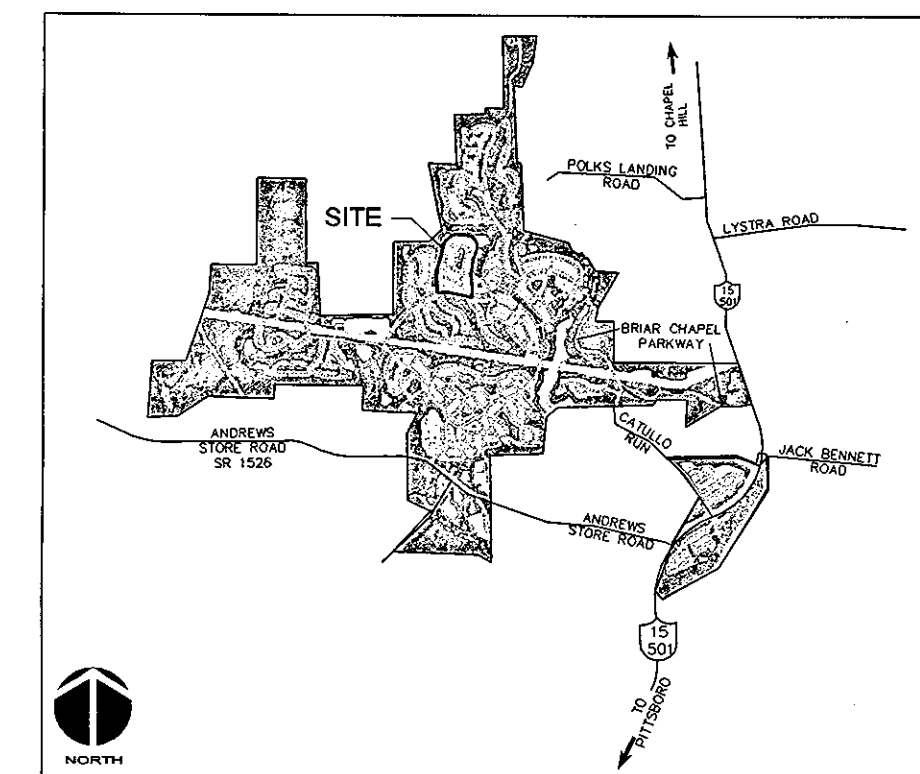
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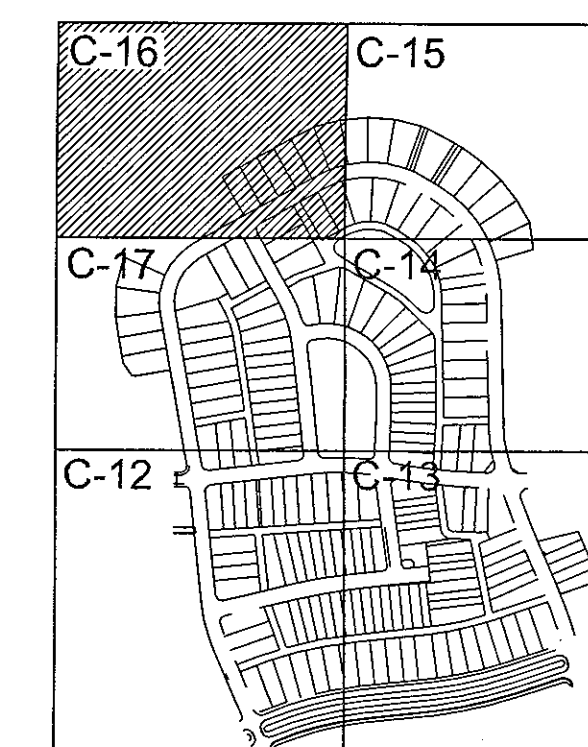
**BRIAR CHAPEL
PHASE 5 NORTH - SECTION 2
CHATHAM COUNTY, NORTH CAROLINA**

UTILITY PLAN

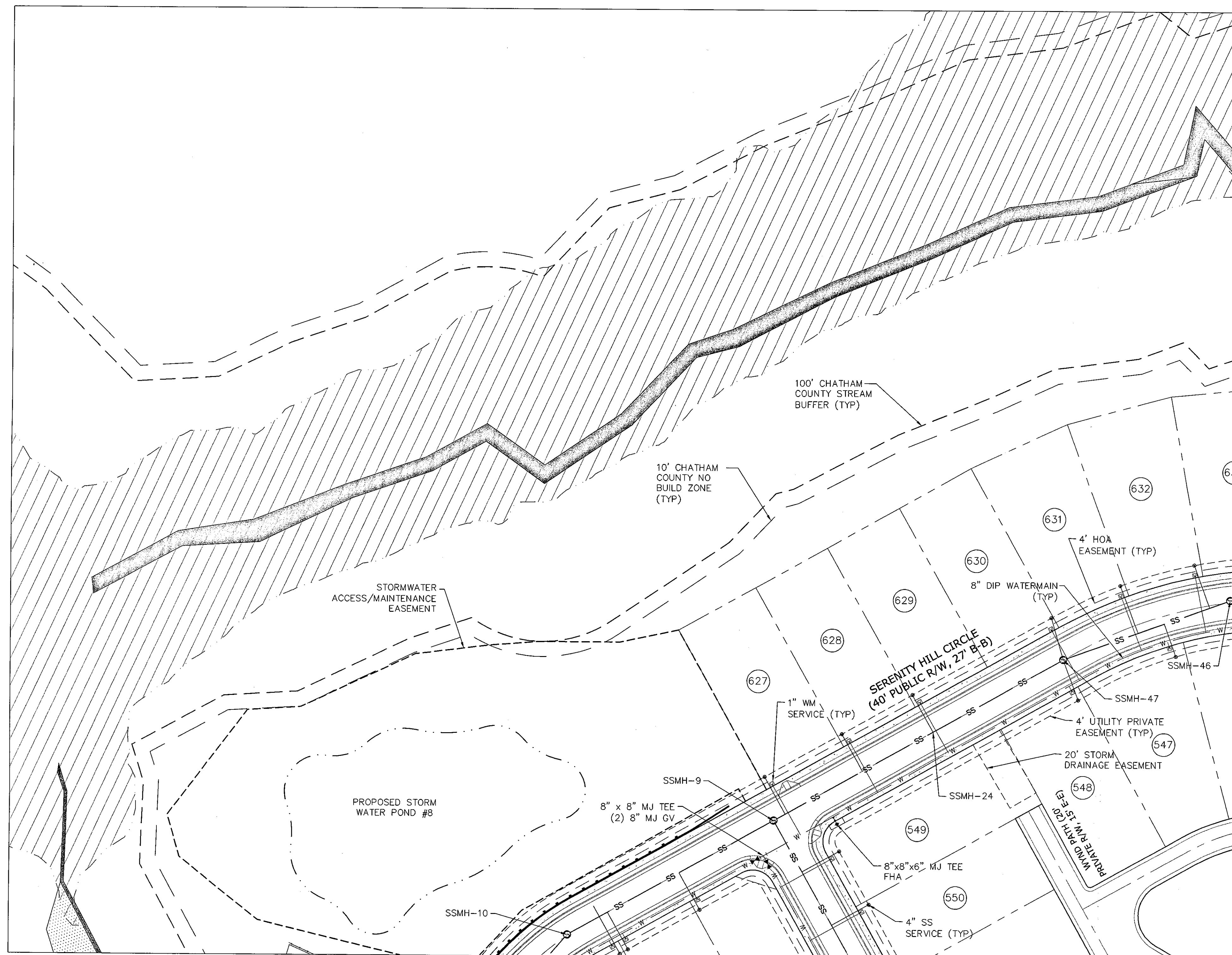
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DRAWN: CMB	CHECKED: GML	REVISION: 2
PROJ. MGR.: GML		
STATUS: ISSUED FOR PERMIT		



VICINITY MAP
NOT TO SCALE



KEY MAP
NOT TO SCALE



SEE SHEET C-15

SEE SHEET C-17

LEGEND

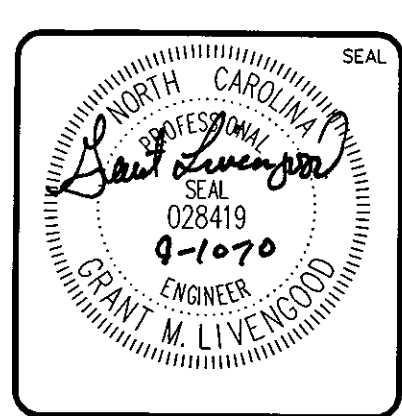
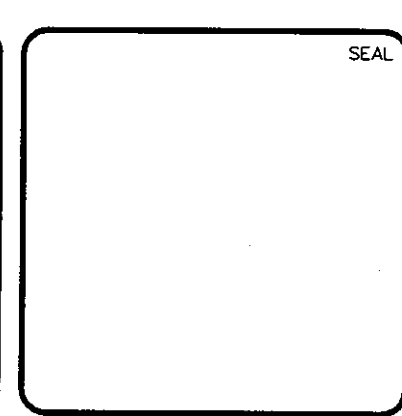
- SS ——— SANITARY SEWER LINE
- W ——— WATER MAIN
- SS ——— EXISTING SANITARY SEWER LINE
- W ——— EXISTING WATER MAIN
- (S) SANITARY SEWER MANHOLE
- ⊗ SANITARY SEWER CLEANOUT
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- - - 4' H.O.A. EASEMENT
- - - 4' PRIVATE UTILITY EASEMENT
- - - 100-YEAR FLOODPLAIN
- ▨ 100-YEAR FLOODPLAIN AREA
- ▨ EXISTING WETLANDS
- ▨ EXISTING STREAM CHANNEL

NOTES
1. SEE SHEET C-3 FOR SITE PLAN NOTES.
2. REFER TO PLAN AND PROFILE SHEETS FOR DETAILED SANITARY SEWER AND STORM DRAINAGE INFORMATION WITHIN PUBLIC ROADS AND PRIVATE ALLEYS.



SCALE: 1"=40' (Horiz.)

REV.	DESCRIPTION	DATE
2	PRELIMINARY PLAN SUBMITTAL TO CHATHAM COUNTY PLANNING	09.10.2010
1	SUBMITTAL TO CLIENT FOR REVIEW	08.06.2010



MCKIM & CREED
1730 Varsity Drive, Suite 500
Raleigh, North Carolina 27606
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BRIAR CHAPEL™
by
Newland COMMUNITIES

**BRIAR CHAPEL
PHASE 5 NORTH - SECTION 2
CHATHAM COUNTY, NORTH CAROLINA**

UTILITY PLAN

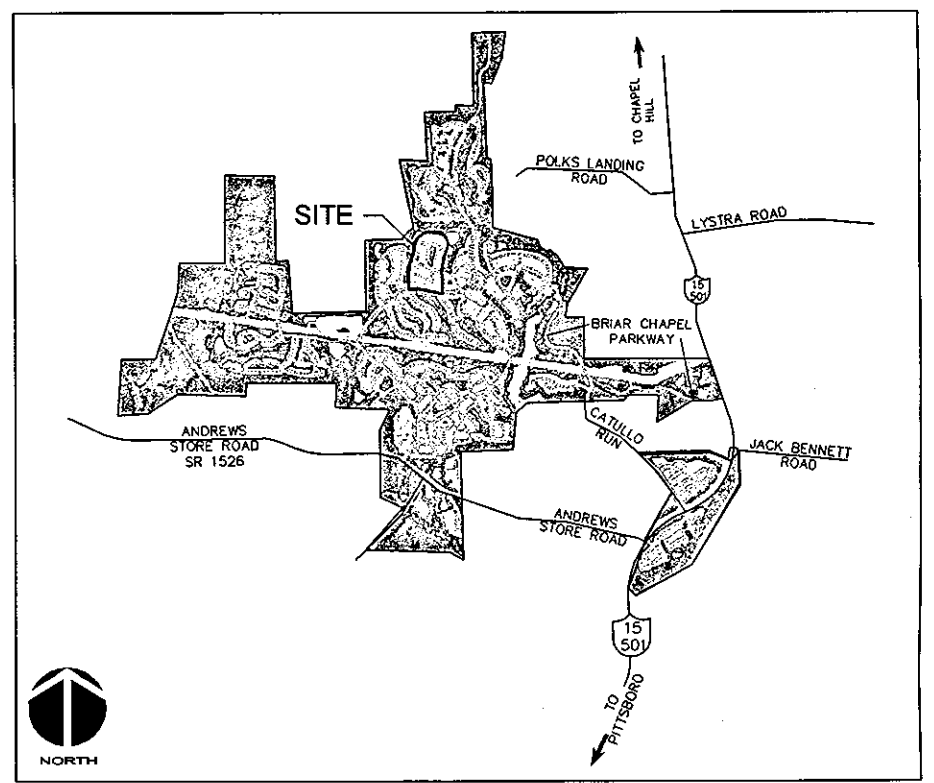
DATE: AUGUST 6, 2010	SCALE: 1" = 40'	MISC. FILE NUMBER: CU101
MCE PROJ. # 02735-0069	HORIZONTAL: 1" = 40'	DRAWING NUMBER: C-16
DRAWN: CMB	VERTICAL: NA	
DESIGNED: CMB		
CHECKED: GML		
PROJ. MGR: GML		
STATUS: ISSUED FOR PERMIT		REVISION: 2



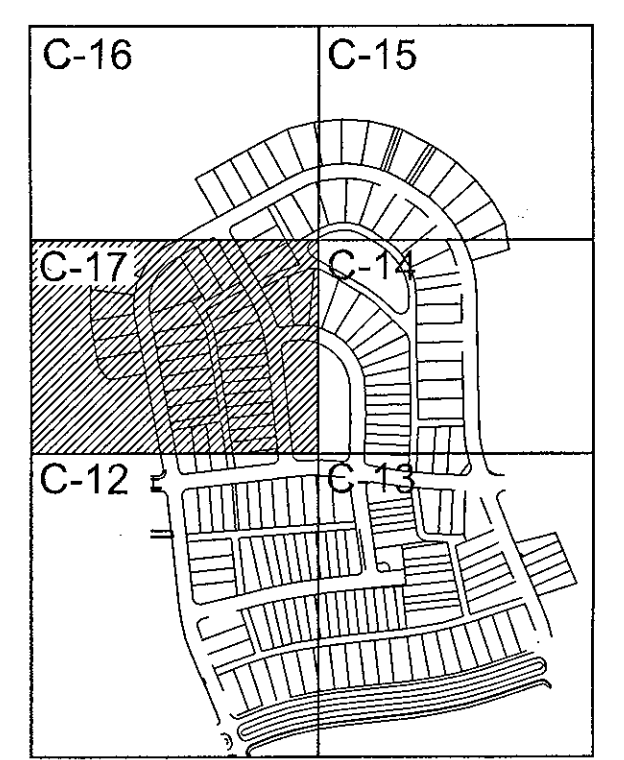
SEE SHEET C-16

SEE SHEET C-14

SEE SHEET C-12



VICINITY MAP
NOT TO SCALE



KEY MAP
NOT TO SCALE

LEGEND

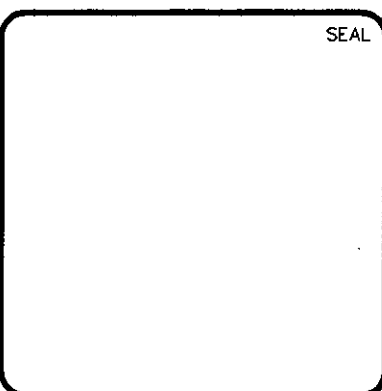
- SS SANITARY SEWER LINE
- W WATER MAIN
- SS EXISTING SANITARY SEWER LINE
- W EXISTING WATER MAIN
- ⊙ SANITARY SEWER MANHOLE
- ⊗ SANITARY SEWER CLEANOUT
- WATER METER
- BLOWOFF VALVE ASSEMBLY
- ◆ FIRE HYDRANT ASSEMBLY (FHA)
- ROADWAY CENTERLINE
- ROW
- - - LOT LINE
- - - 50' CHATHAM COUNTY STREAM BUFFER
- - - 10' NO BUILD ZONE BUFFER
- - - 4' H.O.A. EASEMENT
- - - 4' PRIVATE UTILITY EASEMENT
- - - 100-YEAR FLOODPLAIN
- - - 100-YEAR FLOODPLAIN AREA
- - - EXISTING WETLANDS
- - - EXISTING STREAM CHANNEL

NOTES
 1. SEE SHEET C-3 FOR SITE PLAN NOTES.
 2. REFER TO PLAN AND PROFILE SHEETS FOR DETAILED SANITARY SEWER AND STORM DRAINAGE INFORMATION WITHIN PUBLIC ROADS AND PRIVATE ALLEYS.



SCALE: 1"=40' (Horiz.)

REV. NO.	DATE	DESCRIPTIONS / REVISIONS
3	08.10.2010	PRELIMINARY PLAT SUBMITTAL TO CHATHAM COUNTY PLANNING
2	09.01.2010	REVISED PER CHATHAM COUNTY PUBLIC UTILITIES COMMENTS
1	08.06.2010	SUBMITTAL TO CLIENT FOR REVIEW



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UTILITY PLAN

DATE: AUGUST 6, 2010	SCALE: HORIZONTAL: 1" = 40'	MAC FILE NUMBER: CU101
MCE PROJ. # 02735-0069	DRAWN: CMB	DRAWING NUMBER: C-17
DESIGNED: CMB	CHECKED: GML	VERTICAL: NA
PROJ. MGR.: GML	STATUS: ISSUED FOR PERMIT	REVISION: 3