

BRIAR CHAPEL

PHASE 13 SECTION 1 & 2

CONSTRUCTION DOCUMENTS

U.S. HWY 15-501 and MANN'S CHAPEL ROAD

CHATHAM COUNTY, NORTH CAROLINA

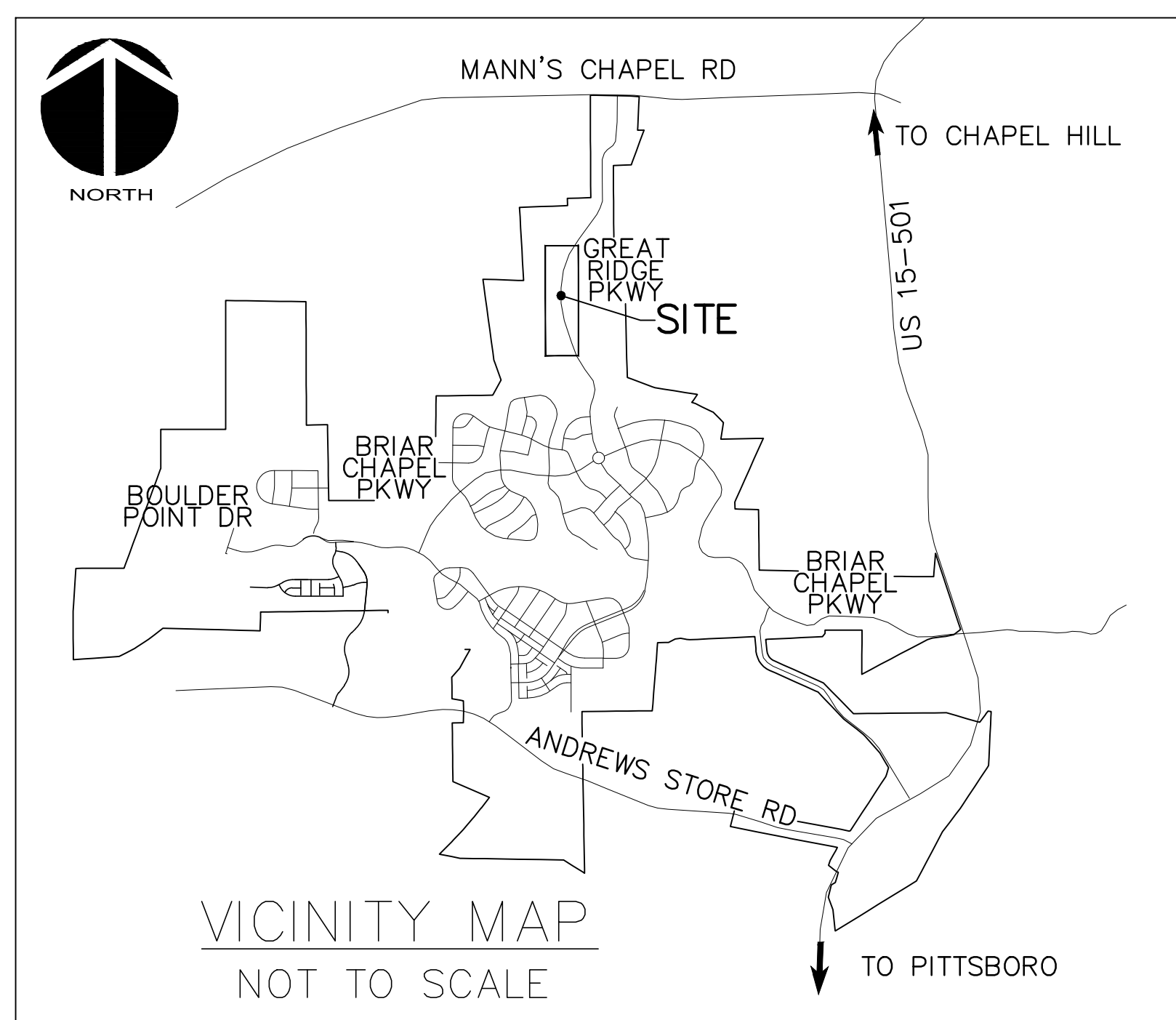
DATE: JULY 26, 2017
 REVISED: OCTOBER 9, 2017

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COUNTY AND AGENCY CONTACTS

- A. Chatham County
Planning Department
Dunlap Building
80 East Street
Pittsboro, NC 27312
(919) 542-8204 phone
Contact: Jason Sullivan
Email: jason.sullivan@chathamnc.org
- B. Chatham County
Environmental Services
Dunlap Building
80 East Street
Pittsboro, NC 27312
(919) 542-0945 phone
Contact: Brian Burkhart, PE
Email: brian.burkhart@chathamnc.org
- C. 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
- D. Chatham County
Public Works
964 East Street, 2nd Floor, Suite 205
Pittsboro, NC 27312
(919) 545-8530 phone
Contact: Larry Bridges
Email: larry.bridges@chathamnc.org
- E. NCDOT
Division 8, District 1
300 DOT Drive
P.O. Box 1164
Asheboro, NC 27204
(336) 318-4000 phone
Contact: Marty Tillman, PE
Email: mtillman@ncdot.gov
- F. NCDENR
Division of Water Quality
512 N. Salisbury St
Archdale Building, 9th Floor
Raleigh, NC 27604
(919) 807-6373 phone
Contact: Karen Higgins
Email: karen.higgins@ncdenr.gov
- G. NCDENR
Division of Environmental Health
Public Water Supply Section
1634 Mail Service Center
Raleigh, NC 27699-1634
(919) 707-9064 phone
Contact: Shashi Bhatta
Email: shashi.bhatta@ncdenr.gov
- H. NCDENR
Division of Water Quality
Surface Water Protection
3800 Barrett Drive
Raleigh, NC 27609
(919) 791-4200 phone
Contact: Danny Smith
Email: danny.smith@ncdenr.gov



VICINITY MAP

NTS

PROJECT DATA

NAME OF PROJECT:
 PHASE 13 SECTION 1 & 2
 CHATHAM COUNTY, NORTH CAROLINA

OWNER:
 NNP BRIAR CHAPEL, LLC
 1342 BRIAR CHAPEL PARKWAY
 CHAPEL HILL, NC 27516
 PHONE: (919) 951-0700
 FAX: (919) 240-4963
 CONTACT: LEE BOWMAN
 EMAIL: lbowman@newlandco.com

PREPARED BY:
 McKIM & CREED
 1730 VARSITY DRIVE, SUITE 500
 RALEIGH, NORTH CAROLINA 27606
 PHONE: (919) 233-8091
 FAX: (919) 233-8031
 CONTACT: GARETH AVANT, PE
 EMAIL: gavant@mckimcreed.com

PROJECT AREA: 11.03 ACRES

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



PRELIMINARY DRAWINGS
 FOR REVIEW PURPOSES ONLY

GENERAL NOTES:

- REFER TO THE FOLLOWING JOHN R. MCADAMS COMPANY, INC. CONSTRUCTION PLANS, AND ALL SUBSEQUENT CONSTRUCTION BULLETINS FOR INFORMATION ON EXISTING SITE INFRASTRUCTURE:
 - BRIAR CHAPEL - GREAT RIDGE PARKWAY NORTH AND WATERLINE EXTENSION SEALED JUNE 22, 2007
 - 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
 - BRIAR CHAPEL - PHASE 5 SOUTH SECTION 1 CONSTRUCTION PLANS SEALED NOVEMBER 9, 2009
 - BRIAR CHAPEL - PHASE 5 SOUTH SECTION 2 CONSTRUCTION PLANS SEALED OCTOBER 8, 2009
 - BRIAR CHAPEL - PHASE 6 NORTH SECTIONS 1 AND 2 CONSTRUCTION PLANS SEALED OCTOBER 8, 2012
- THIS PROPERTY IS ZONED CC-CUP.
- ALL DISTANCES SHOWN ARE HORIZONTAL GROUND MEASUREMENTS.
- BEARINGS SHOWN HEREON ARE BASED ON NC GRID NAD83. THIS PROJECT IS LOCALIZED ABOUT NCGS MONUMENT "MEACHAM" HAVING NC GRID COORDINATES N: 786,395.12', E: 1,963,424.93' USING A COMBINED FACTOR OF 0.99990676.
- EXISTING TOPOGRAPHIC DATA IS BASED ON AERIAL MAPPING PERFORMED BY AVIOMAGE MAPPING SERVICES IN FEBRUARY 2010. ELEVATIONS ARE BASED ON NAVD 88 NCGS MONUMENT "F-92" WITH AN ELEVATION OF 476.06'.
- HORIZONTAL AND VERTICAL CONTROL FOR THIS SITE WAS INSTALLED BY GPA PROFESSIONAL LAND SURVEYORS OF NC.
- PROJECT IS LOCATED IN THE CAPE FEAR RIVER BASIN.
- STREAM AND WETLAND LOCATIONS ARE BASED ON INFORMATION PROVIDED BY HUYSMAN AND BANDY, INC. - CONTACT CHRIS HUYSMAN AR 336-306-0906.
- NO PORTION OF THIS PROPERTY IS LOCATED IN SPECIAL FLOOD HAZARD AREA "AE" AS SHOWN ON FEMA FIRM MAPS #371097650J & #371097660J, DATED FEBRUARY 2, 2007.

DEMOLITION NOTES:

- 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 ALL REGULATIONS GOVERNING THE DEMOLITION, REMOVAL, TRANSPORTATION AND DISPOSAL OF ALL DEMOLITION DEBRIS.
- 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.

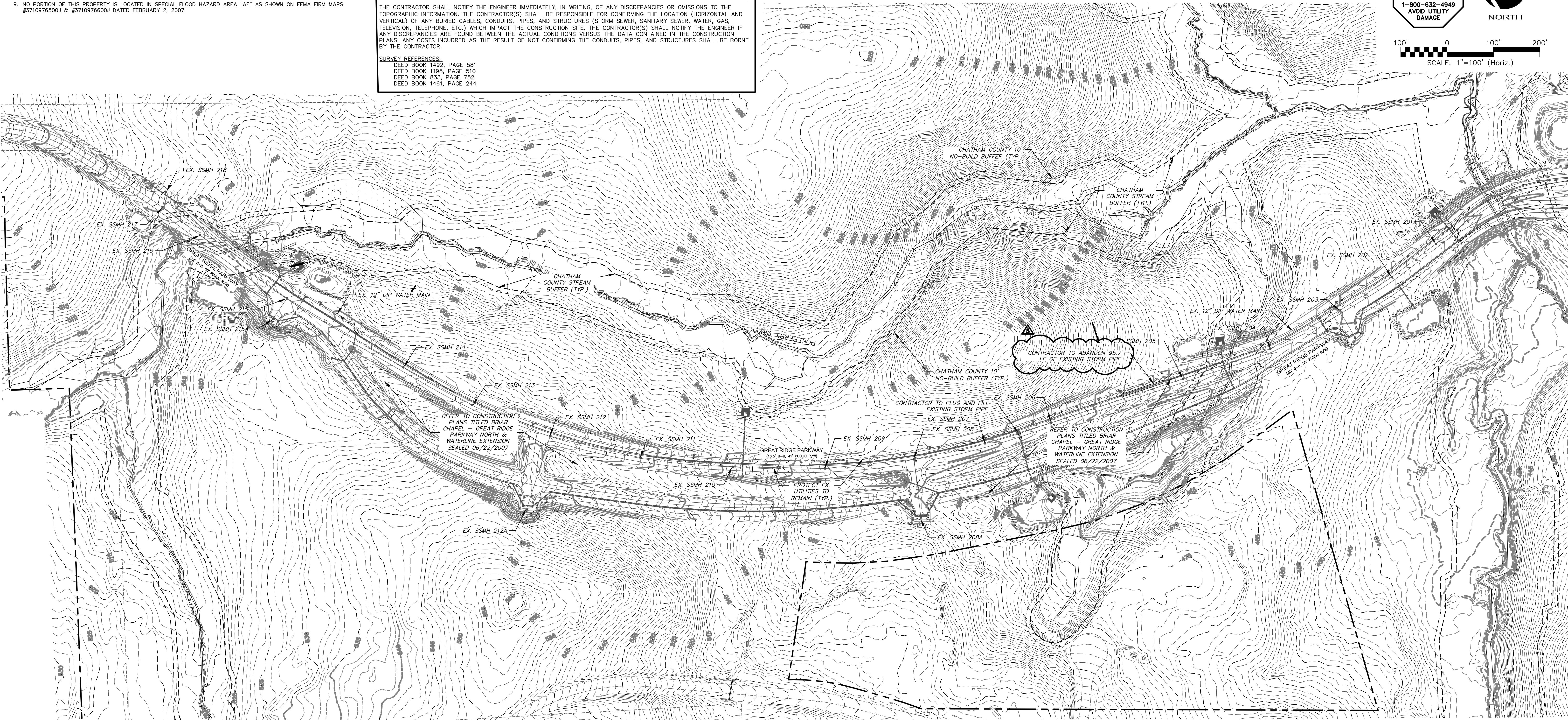
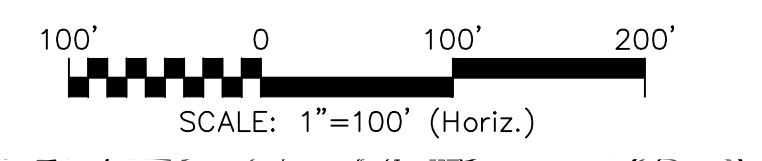
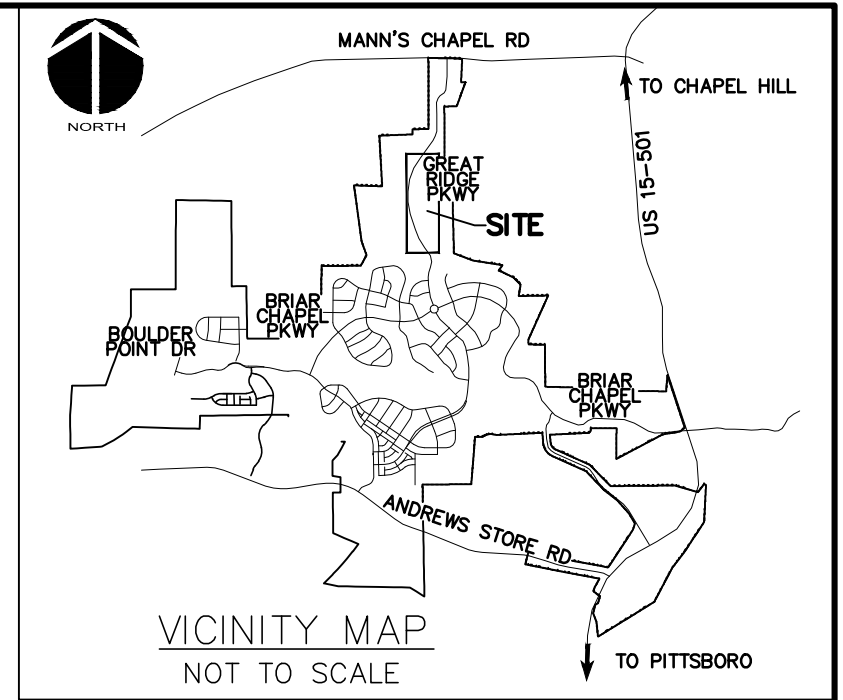
***** NOTICE TO CONTRACTOR *****

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.

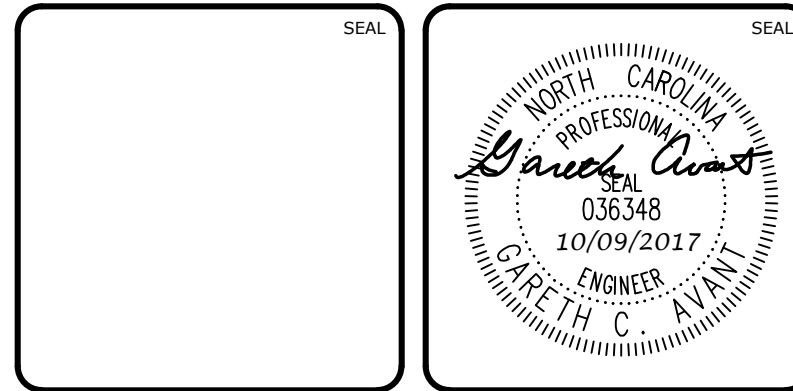
SURVEY REFERENCES:
 DEED BOOK 1492, PAGE 581
 DEED BOOK 1198, PAGE 510
 DEED BOOK 833, PAGE 752
 DEED BOOK 1461, PAGE 244

LEGEND:

- 10' NO BUILD BUFFER LINE
- RIPARIAN BUFFER LINE
- 480' EX. CONTOUR
- EX. POWER LINE EASEMENT
- 06' OVERHEAD POWER LINE
- EX. FORCE MAIN EASEMENT
- FM EX. SANITARY SEWER FORCE MAIN
- IRR IRR EX. REUSE IRRIGATION MAIN
- W W EX. WATER MAIN
- EX. STORM DRAINAGE PIPE
- SS EX. SANITARY SEWER



REV. NO.	DESCRIPTIONS	DATE
3	REVISIONS PER COMMENTS RECEIVED FROM COUNTY EROSION CONTROL	2017.10.09
2	REVISIONS PER COMMENTS RECEIVED FROM NCDOT	2017.09.21
1	REVISIONS PER COMMENTS RECEIVED FROM COUNTY EROSION CONTROL	2017.09.13
0	SUBMITTAL TO AGENCIES	2017.07.26



MCKIM & CREED
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www.mckimcreed.com

BRIAR CHAPEL™
 by
Newland COMMUNITIES

**BRIAR CHAPEL
 PHASE 13 - SECTION 1 & 2
 CHATHAM COUNTY, NORTH CAROLINA
 OVERALL
 EXISTING CONDITIONS/
 DEMOLITION PLAN**

DATE: JULY 26, 2017	SCALE: C0.2	MISC FILE NUMBER: C0.2
MCE PROJ. # 02735-0198	HORIZONTAL: AS NOTED	DRAWING NUMBER: C0.2
DRAWN: BSS	VERTICAL: N/A	
DESIGNED: BSS		
CHECKED: GCA		
PROJ. MGR.: CHS		
STATUS: FOR REVIEW PURPOSES ONLY	REVISION: 3	

SITE GENERAL 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.
- REFER TO THE FOLLOWING JOHN R. MCADAMS COMPANY, INC. CONSTRUCTION PLANS, AND ALL SUBSEQUENT CONSTRUCTION BULLETINS FOR INFORMATION ON EXISTING SITE INFRASTRUCTURE:
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- STREAM AND WETLAND LOCATIONS ARE BASED ON INFORMATION PROVIDED BY HUYSMAN AND BANDY, INC. - CONTACT CHRIS HUYSMAN AT 336-306-0906.
- NO PORTION OF THIS PROPERTY IS LOCATED IN SPECIAL FLOOD HAZARD AREA "AE" AS SHOWN ON FEMA FIRM MAP #3710976500J & #3710976600J 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.

CHATHAM COUNTY REQUIRED SITE NOTES:

- PROPERTY OWNER/DEVELOPER:
NMP BRIAR CHAPEL, LLC
1342 BRIAR CHAPEL PARKWAY
CHAPEL HILL, NC 27516
PHONE: (919) 951-0700
- SITE AKPAR #: 80418, 86285, & 2617

LEGEND:

- R/W LINE
- FUTURE R/W LINE
- EXISTING R/W LINE
- HOA EASEMENT LINE
- PUBLIC UTILITY EASEMENT LINE
- PUBLIC DRAINAGE EASEMENT
- EXISTING POWER LINE EASEMENT
- OVERHEAD POWER LINE
- 10' NO BUILD BUFFER LINE
- RIPARIAN BUFFER LINE
- BMP MAINTENANCE & ACCESS EASEMENT
- ROADWAY CENTERLINE

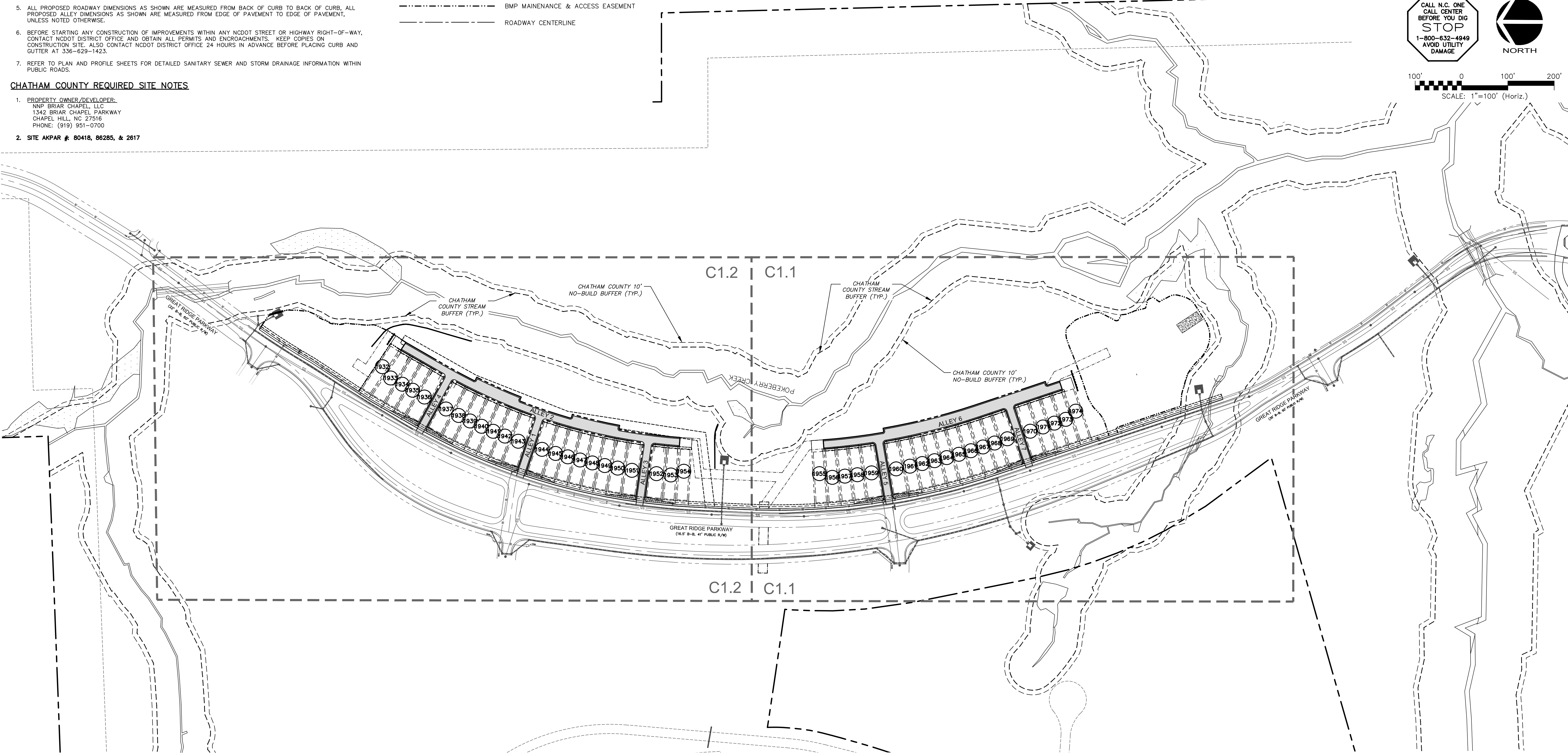
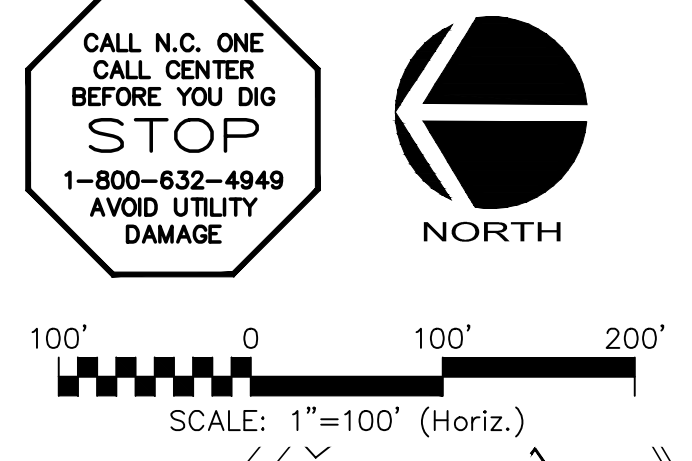
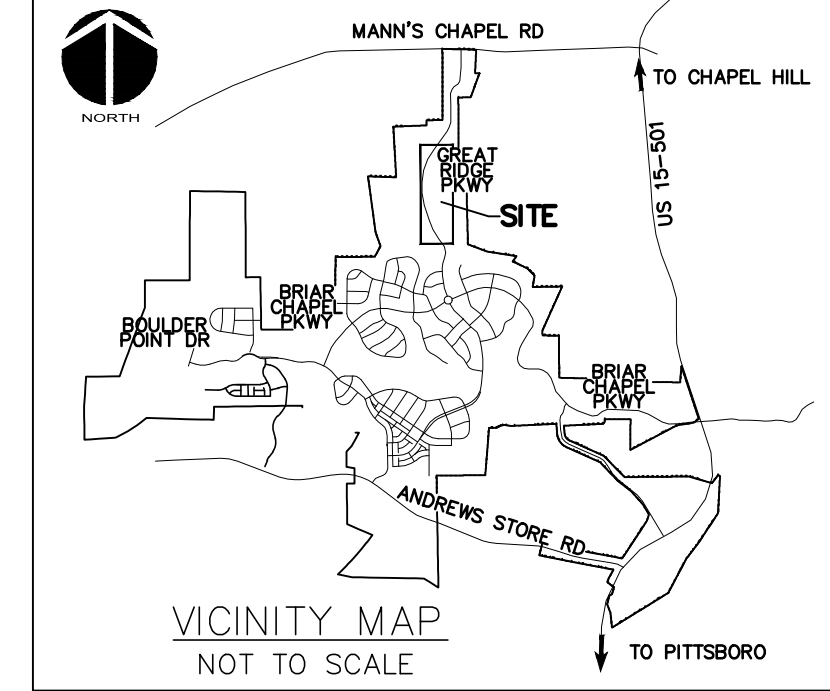
Lot Area Table		
Lot #	Area (SF)	Area (AC)
1932	3750.30	0.09
1933	3811.97	0.09
1934	3230.93	0.07
1935	3230.93	0.07
1936	4079.91	0.09
1937	4170.95	0.10
1938	3397.84	0.08
1939	3398.09	0.08
1940	3398.35	0.08

Lot Area Table		
Lot #	Area (SF)	Area (AC)
1941	3398.62	0.08
1942	3398.90	0.08
1943	4301.08	0.10
1944	4173.71	0.10
1945	3400.17	0.08
1946	3400.49	0.08
1947	3400.83	0.08
1948	3401.17	0.08
1949	3401.51	0.08

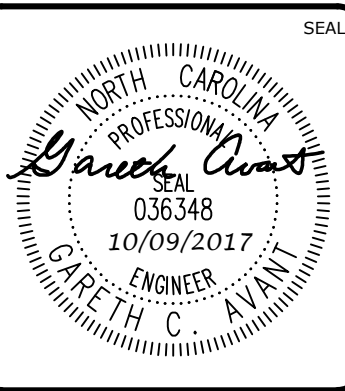
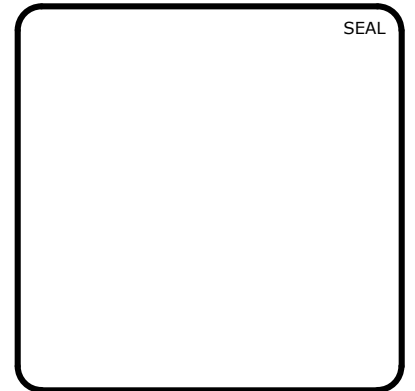
Lot Area Table		
Lot #	Area (SF)	Area (AC)
1950	3681.64	0.08
1951	4039.59	0.09
1952	4306.04	0.10
1953	3403.47	0.08
1954	3951.99	0.09
1955	3959.79	0.09
1956	3385.56	0.08
1957	3385.94	0.08
1958	3386.32	0.08

Lot Area Table		
Lot #	Area (SF)	Area (AC)
1959	4270.05	0.10
1960	4158.60	0.10
1961	3387.99	0.08
1962	3388.39	0.08
1963	3388.80	0.08
1964	3389.21	0.08
1965	3389.62	0.08
1966	3390.04	0.08
1967	3376.04	0.08

Lot Area Table		
Lot #	Area (SF)	Area (AC)
1968	3244.13	0.07
1969	3982.04	0.09
1970	3982.04	0.09
1971	3244.13	0.07
1972	3244.13	0.07
1973	3244.13	0.07
1974	3764.13	0.09



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BRIAR CHAPEL™
 by
Newland COMMUNITIES

**BRIAR CHAPEL
 PHASE 13 - SECTION 1 & 2
 CHATHAM COUNTY, NORTH CAROLINA**

OVERALL SITE PLAN

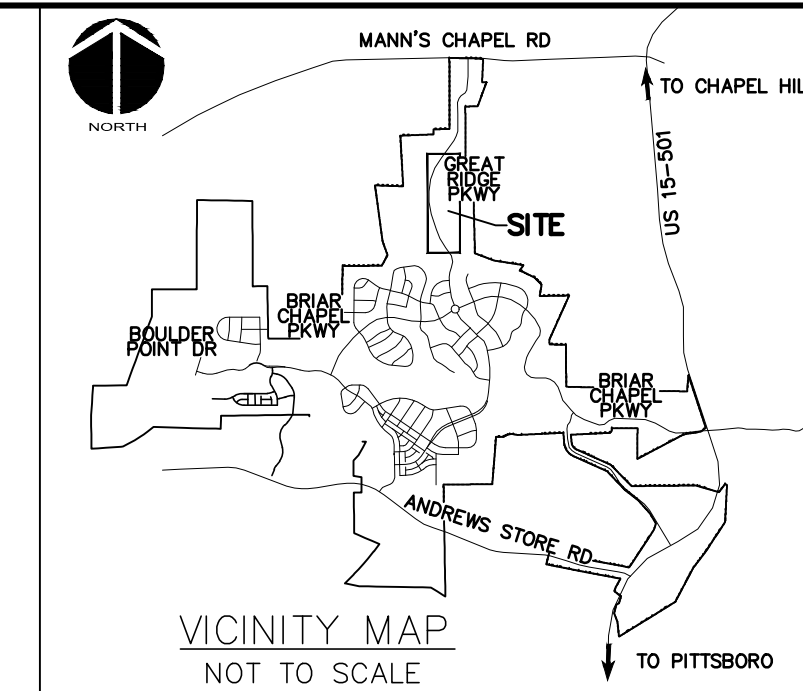
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DESIGNED: BSS		
CHECKED: GCA		
PROJ. MGR.: CHS		
STATUS: FOR REVIEW PURPOSES ONLY	REVISION: 3	

LEGEND:

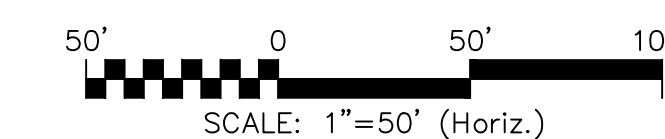
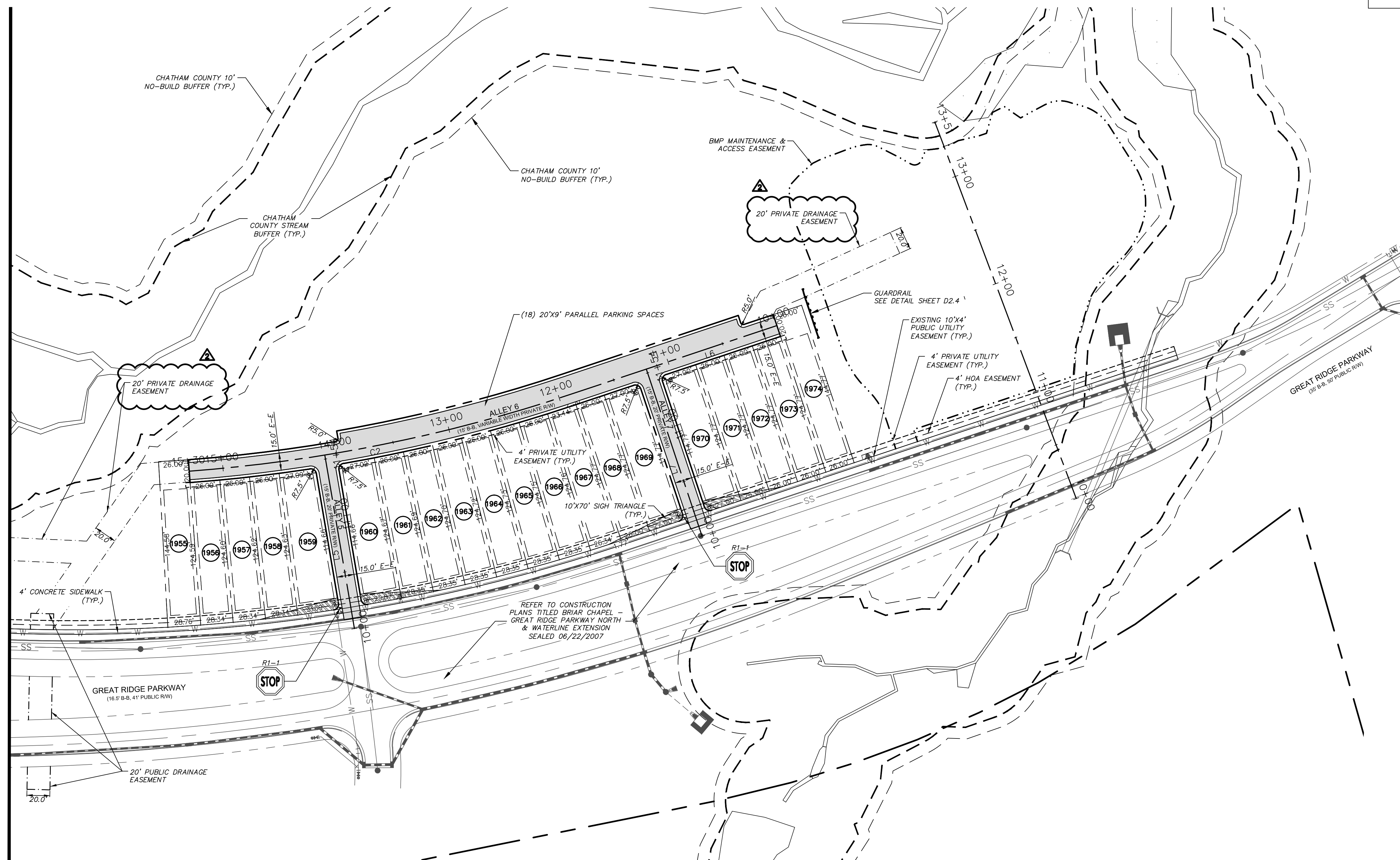
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- OVERHEAD POWER LINE
- 10' NO BUILD BUFFER LINE
- RIPARIAN BUFFER LINE
- BMP MAINTENANCE & ACCESS EASEMENT
- ROADWAY CENTERLINE

ALIGNMENT LINE DATA		
LINE #	LENGTH	BEARING
L1	153.50'	S71°33'10"E
L2	101.58'	N29°55'12"E
L3	153.50'	S82°02'53"E
L4	153.50'	S61°23'38"E
L5	153.50'	N80°18'59"E
L6	190.56'	N18°26'59"W
L7	153.50'	N71°33'01"E

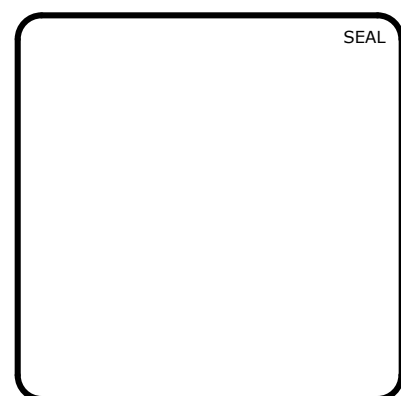
ALIGNMENT CURVE DATA					
CURVE #	ARCH LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH	DELTA
C1	562.09'	1197.00'	N16°28'03"E	556.94'	26°54'18"
C2	338.98'	1372.00'	N11°22'18"W	338.12'	14°09'21"



MATCHLINE - SEE SHEET C1.2



REV. NO.	DATE	DESCRIPTIONS
3	2017.10.09	REVISIONS PER COMMENTS RECEIVED FROM COUNTY EROSION CONTROL
2	2017.09.21	REVISIONS PER COMMENTS RECEIVED FROM NCDOT
1	2017.09.13	REVISIONS PER COMMENTS RECEIVED FROM COUNTY EROSION CONTROL
0	2017.07.26	SUBMITTAL TO AGENCIES



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**BRIAR CHAPEL
 PHASE 13 - SECTION 1 & 2
 CHATHAM COUNTY, NORTH CAROLINA**

SITE PLAN

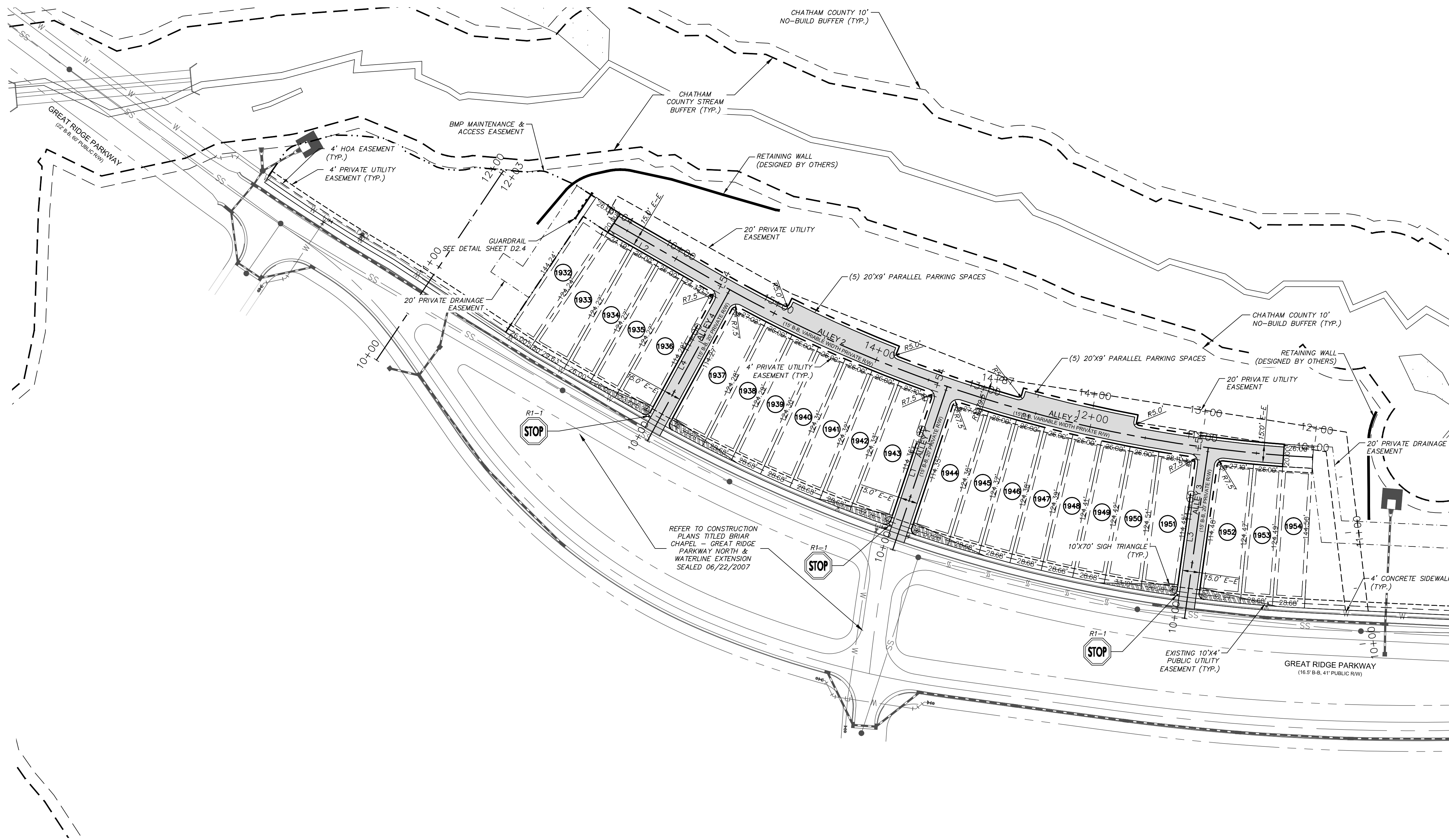
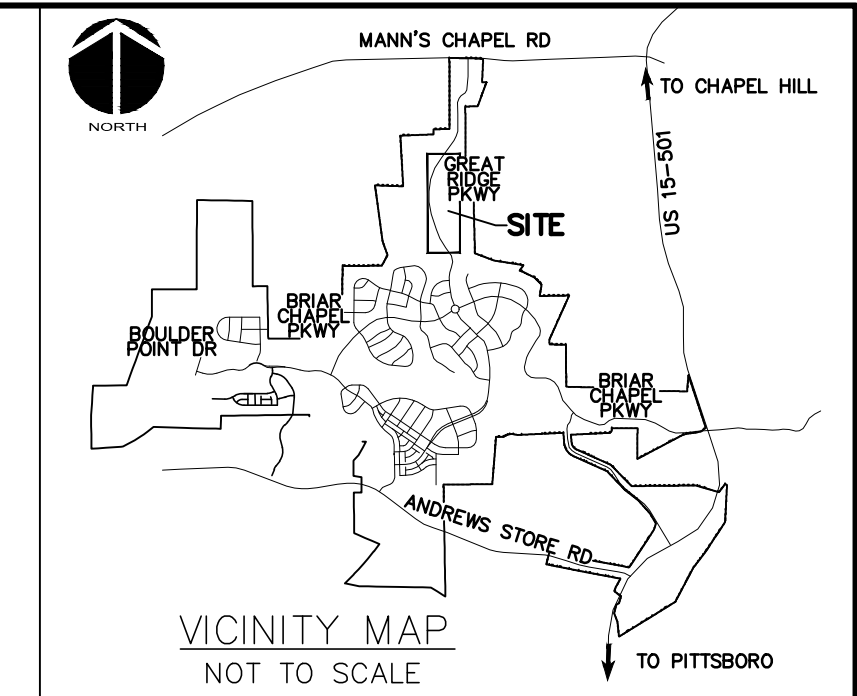
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DESIGNED: BSS	FOR REVIEW PURPOSES ONLY	
CHECKED: GCA		

LEGEND:

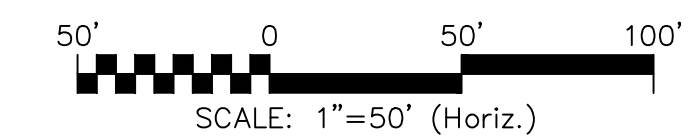
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---	FUTURE R/W LINE
---	EXISTING R/W LINE
---	HOA EASEMENT LINE
---	PUBLIC UTILITY EASEMENT LINE
---	PUBLIC DRAINAGE EASEMENT
---	EXISTING POWER LINE EASEMENT
---	OVERHEAD POWER LINE
---	10' NO BUILD BUFFER LINE
---	RIPARIAN BUFFER LINE
---	BMP MAINTENANCE & ACCESS EASEMENT
---	ROADWAY CENTERLINE

ALIGNMENT LINE DATA		
LINE #	LENGTH	BEARING
L1	153.50'	S71°33'10"E
L2	101.58'	N29°55'12"E
L3	153.50'	S82°02'53"E
L4	153.50'	S61°23'38"E
L5	153.50'	N80°18'59"E
L6	190.56'	N18°26'59"W
L7	153.50'	N71°33'01"E

ALIGNMENT CURVE DATA					
CURVE #	ARCH LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH	DELTA
C1	562.09'	1197.00'	N16°28'03"E	556.94'	26°54'18"
C2	338.98'	1372.00'	N11°22'18"W	338.12'	14°09'21"

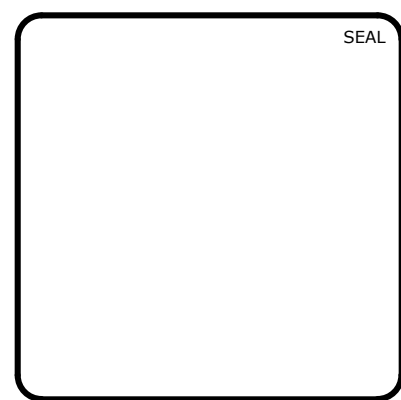


MATCHLINE - SEE SHEET C1.1



SCALE: 1"=50' (Horiz.)

REV. NO.	DATE	DESCRIPTIONS
3	2017.10.09	REVISIONS PER COMMENTS RECEIVED FROM COUNTY EROSION CONTROL
2	2017.09.21	REVISIONS PER COMMENTS RECEIVED FROM NCDOT
1	2017.09.13	REVISIONS PER COMMENTS RECEIVED FROM COUNTY EROSION CONTROL
0	2017.07.26	SUBMITTAL TO AGENCIES



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**BRIAR CHAPEL
 PHASE 13 - SECTION 1 & 2
 CHATHAM COUNTY, NORTH CAROLINA**

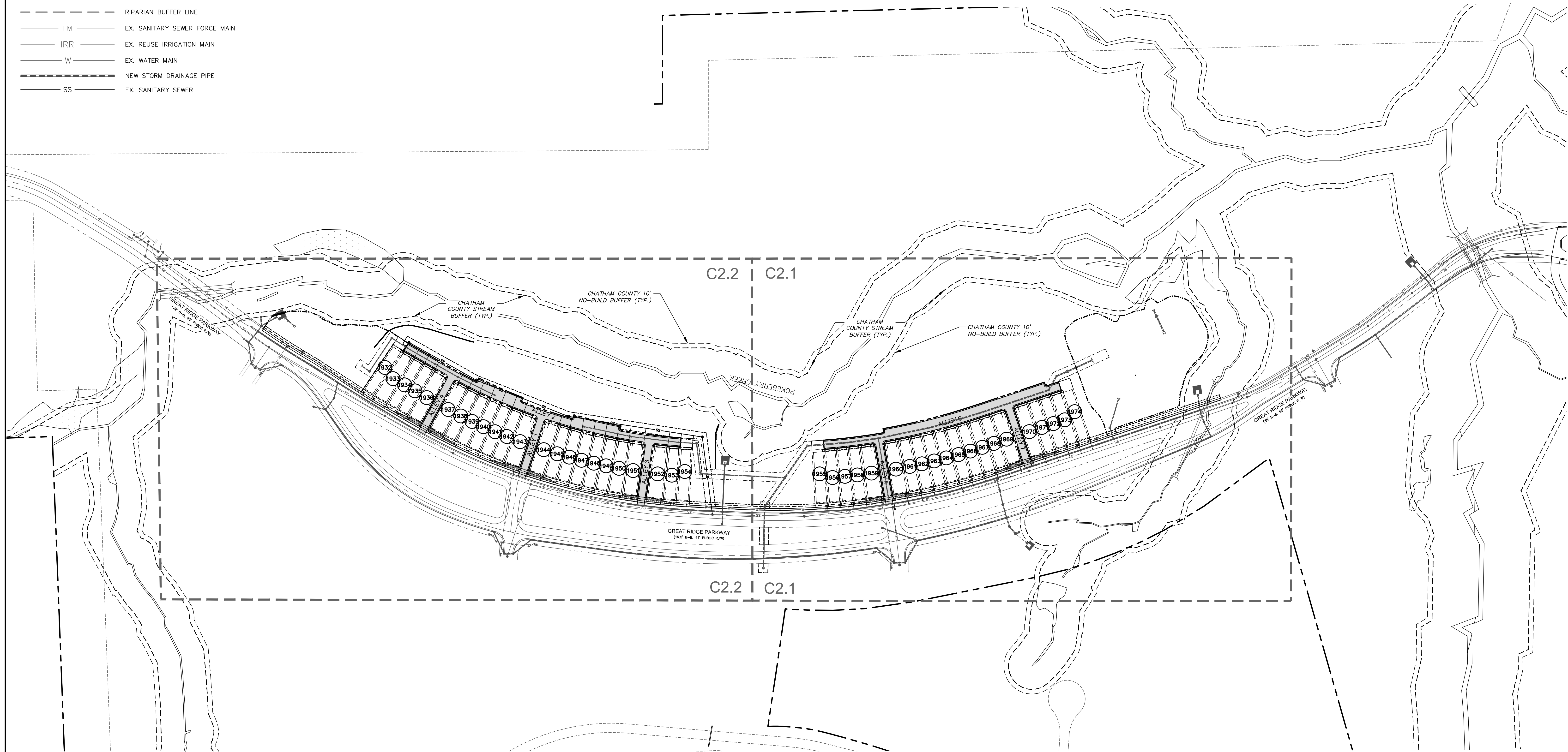
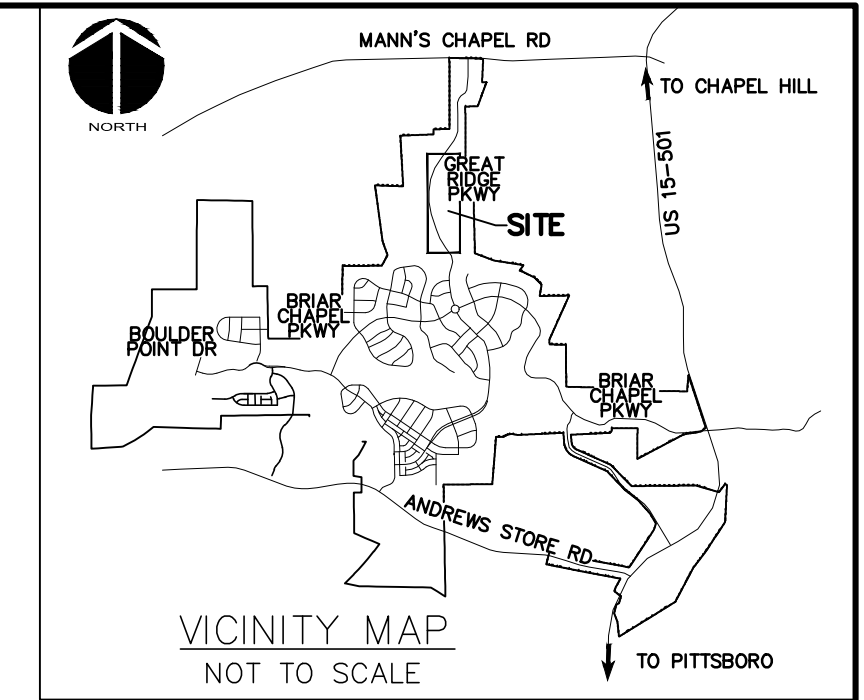
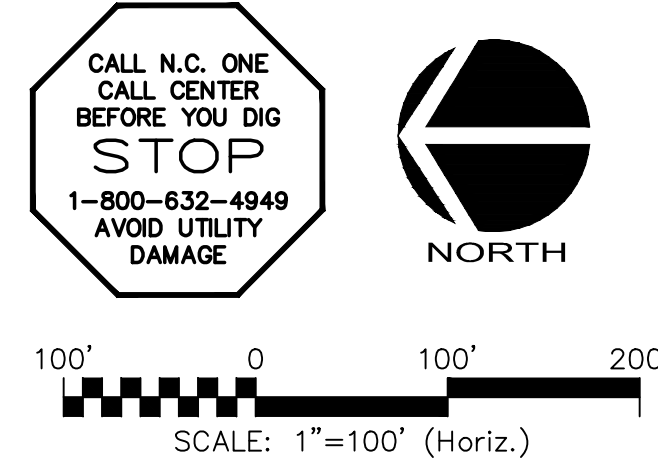
SITE PLAN

DATE:	JULY 26, 2017
MCE PROJ. #	02735-0198
DRAWN	BSS
DESIGNED	BSS
CHECKED	GCA
PROJ. MGR.	CHS

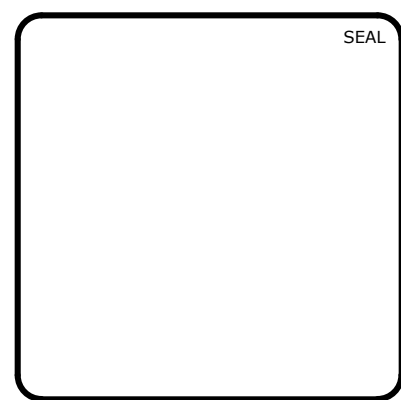
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HORIZONTAL:	1" = 50'
VERTICAL:	N/A
MSC FILE NUMBER	C1.X
DRAWING NUMBER	C1.2
STATUS:	FOR REVIEW PURPOSES ONLY
REVISION	3

LEGEND:

- R/W LINE
- - - EXISTING R/W LINE
- - - HOA EASEMENT LINE
- - - PUBLIC UTILITY EASEMENT LINE
- - - PUBLIC DRAINAGE EASEMENT
- - - EX. POWER LINE EASEMENT
- - - OVERHEAD POWER LINE
- - - BMP MAINTENANCE & ACCESS EASEMENT
- - - 10' NO BUILD BUFFER LINE
- - - RIPARIAN BUFFER LINE
- FM EX. SANITARY SEWER FORCE MAIN
- IRR EX. REUSE IRRIGATION MAIN
- W EX. WATER MAIN
- - - NEW STORM DRAINAGE PIPE
- SS EX. SANITARY SEWER



REV. NO.	DESCRIPTIONS	DATE
3	REVISIONS PER COMMENTS RECEIVED FROM COUNTY EROSION CONTROL	2017.10.09
2	REVISIONS PER COMMENTS RECEIVED FROM NCDOT	2017.09.21
1	REVISIONS PER COMMENTS RECEIVED FROM COUNTY EROSION CONTROL	2017.09.13
0	SUBMITTAL TO AGENCIES	2017.07.26
	REVISIONS	



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 CHATHAM COUNTY, NORTH CAROLINA**

UTILITY PLAN

DATE: JULY 26, 2017	SCALE: C2.X	MSC FILE NUMBER: C2.0
MCE PROJ. # 02735-0198	HORIZONTAL: AS NOTED	DRAWING NUMBER: C2.0
DRAWN: BSS	VERTICAL: N/A	
DESIGNED: BSS		
CHECKED: GCA		
PROJ. MGR.: CHS		
STATUS: FOR REVIEW PURPOSES ONLY		REVISION: 3

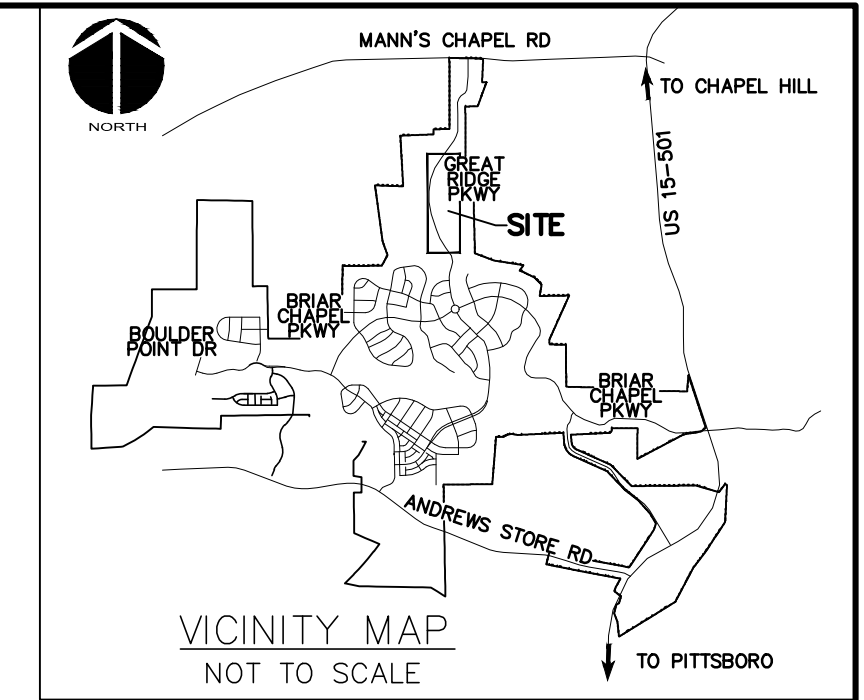
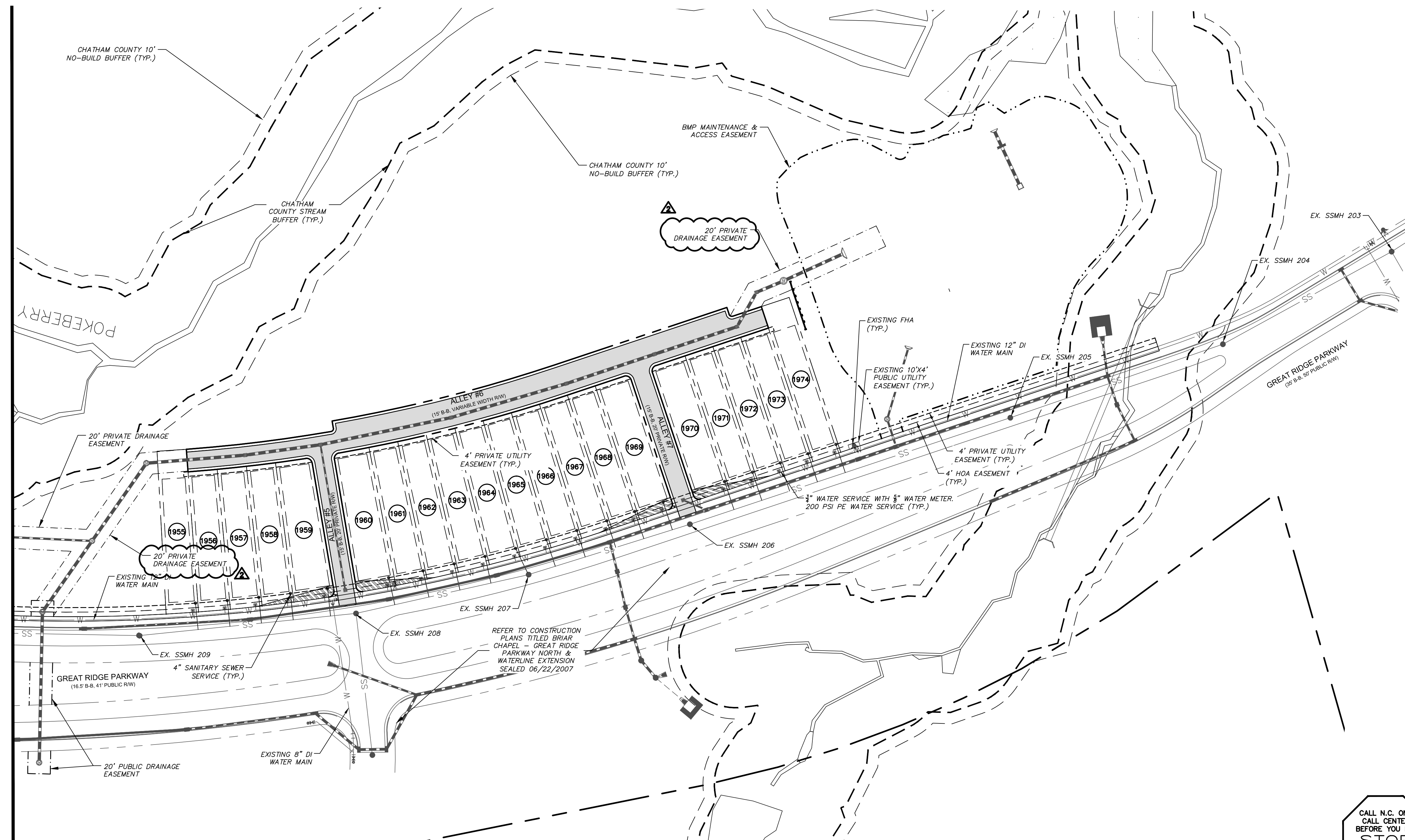
LEGEND:

---	R/W LINE	
---	EXISTING R/W LINE	
---	HOA EASEMENT LINE	
---	PUBLIC UTILITY EASEMENT LINE	
---	PUBLIC DRAINAGE EASEMENT	
---	EX. POWER LINE EASEMENT	
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---	FM	EX. SANITARY SEWER FORCE MAIN
---	IRR	EX. REUSE IRRIGATION MAIN
---	W	EX. WATER MAIN
---	---	NEW STORM DRAINAGE PIPE

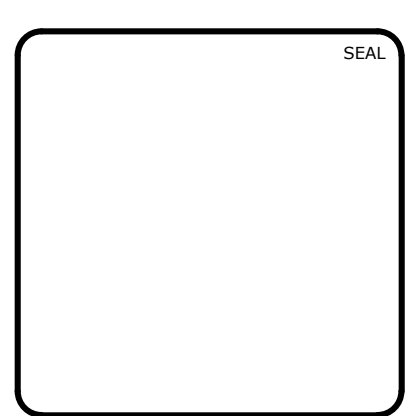
UTILITY NOTES:

- 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 TO TOP OF PIPE 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. 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 CLASS 350 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 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 SDR 35 UNLESS OTHERWISE NOTED AND ALL WATER MAIN LINES ARE 8" DI CLASS 350 UNLESS OTHERWISE NOTED. ALL SANITARY SEWER SERVICES ARE 4" SCHEDULE 40 PVC AND ALL WATER MAIN SERVICES ARE 3/4".
- 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 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 (MINIMUM) CENTERED ON THE PROPOSED WATER MAIN.
- CONTRACTOR TO COORDINATE WITH CHATHAM COUNTY PUBLIC WORKS FOR ALL IRRIGATION SLEEVE SIZING.

MATCHLINE - SEE SHEET C2.2



REV. NO.	DESCRIPTIONS	DATE
3	REVISIONS PER COMMENTS RECEIVED FROM COUNTY EROSION CONTROL	2017.10.09
2	REVISIONS PER COMMENTS RECEIVED FROM CDDOT	2017.09.21
1	REVISIONS PER COMMENTS RECEIVED FROM COUNTY EROSION CONTROL	2017.09.13
0	SUBMITTAL TO AGENCIES	2017.07.26



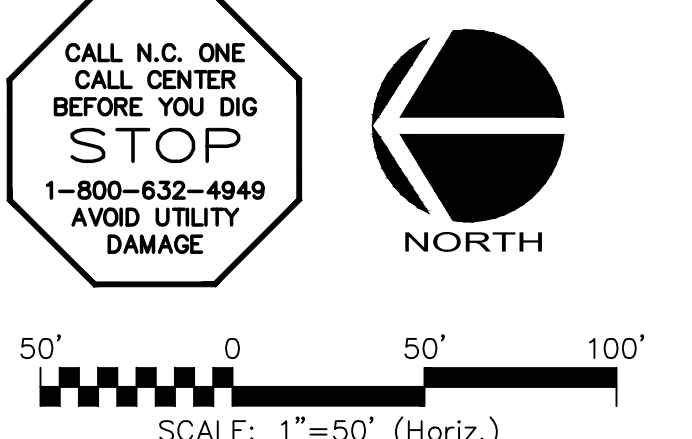
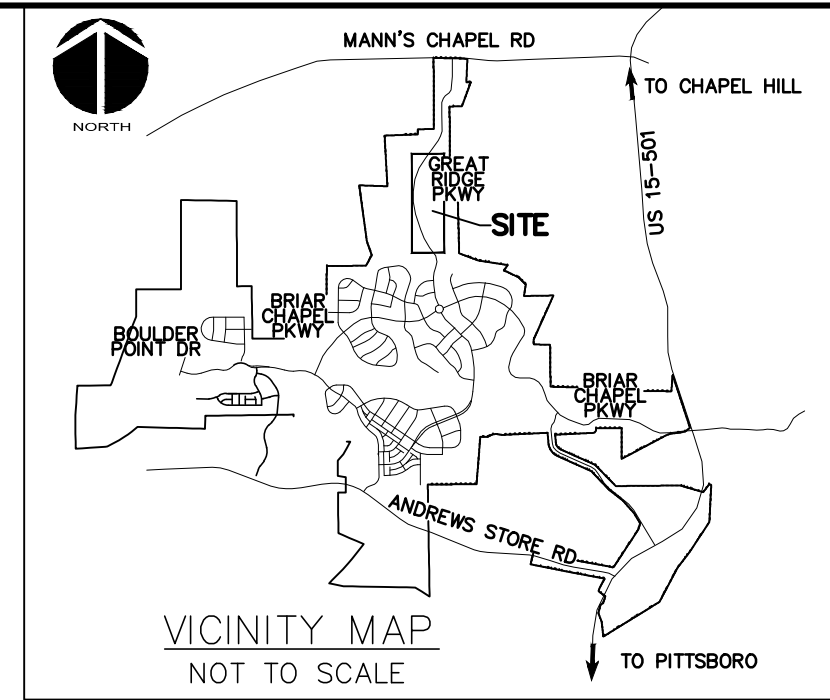
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UTILITY PLAN

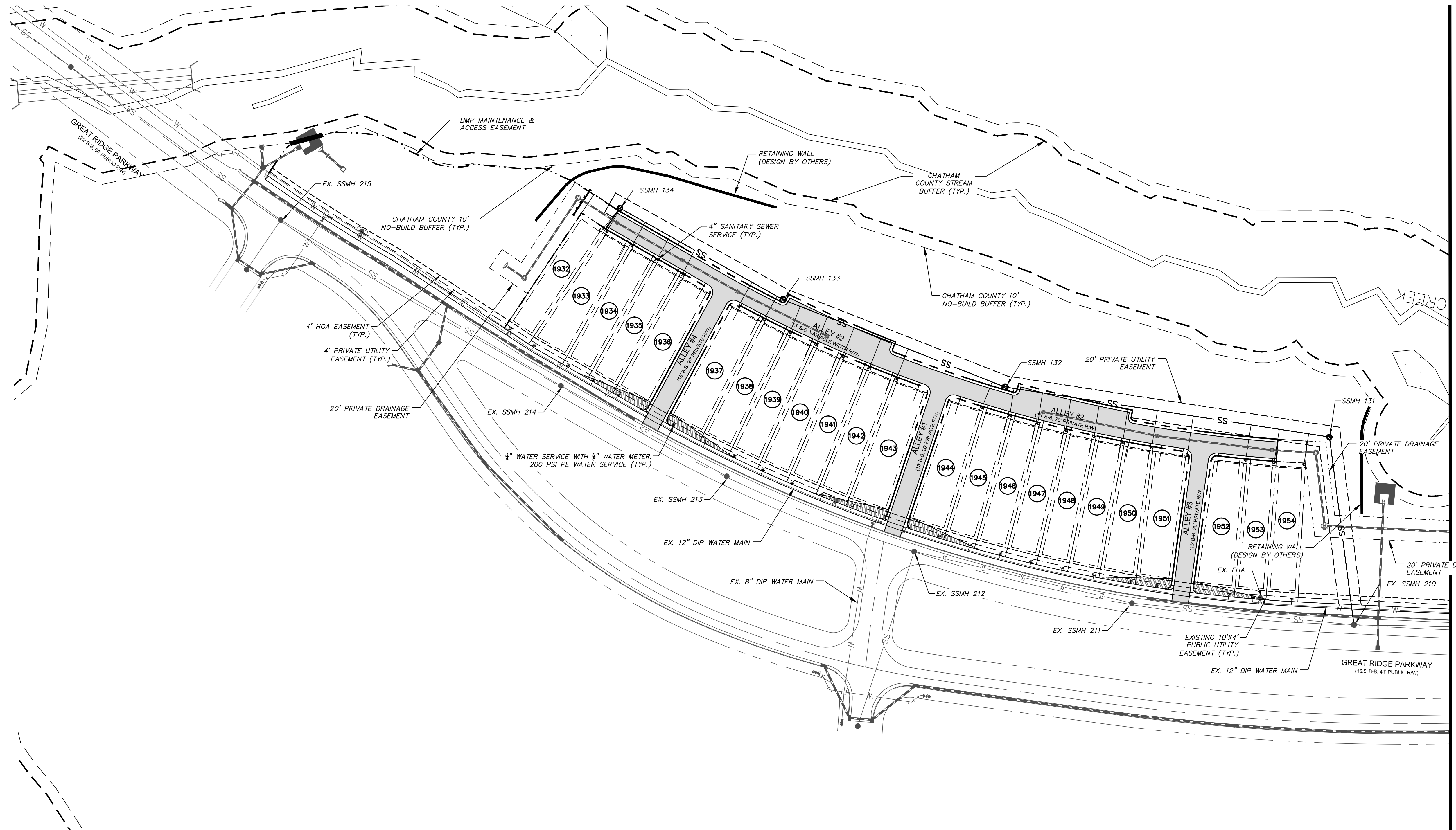
DATE: JULY 26, 2017	SCALE: 1" = 50'	MISC FILE NUMBER: C2.X
MCE PROJ. # 02735-0198	HORIZONTAL: 1" = 50'	DRAWING NUMBER: C2.1
DRAWN: BSS	VERTICAL: N/A	
DESIGNED: BSS		
CHECKED: GCA		
PROJ. MGR.: CHS		
STATUS: FOR REVIEW PURPOSES ONLY		REVISION: 3



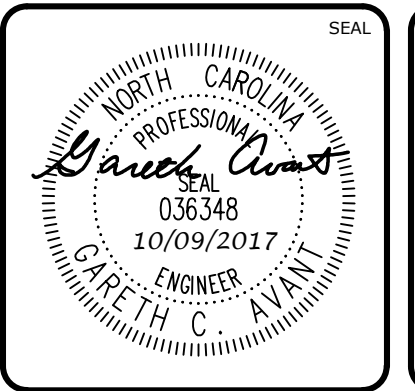
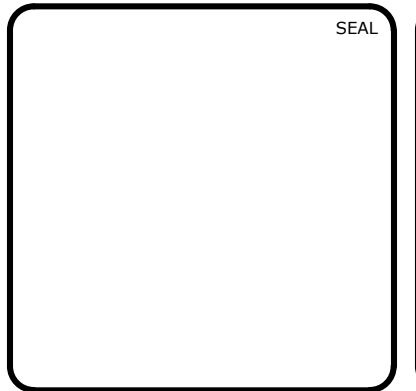
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	R/W LINE
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	PUBLIC UTILITY EASEMENT LINE
	PUBLIC DRAINAGE EASEMENT
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	IRR EX. REUSE IRRIGATION MAIN
	W EX. WATER MAIN
	NEW STORM DRAINAGE PIPE

MATCHLINE - SEE SHEET C2.1



REV. NO.	DESCRIPTIONS	DATE
3	REVISIONS PER COMMENTS RECEIVED FROM COUNTY EROSION CONTROL	2017.10.09
2	REVISIONS PER COMMENTS RECEIVED FROM NCDOT	2017.09.21
1	REVISIONS PER COMMENTS RECEIVED FROM COUNTY EROSION CONTROL	2017.09.13
0	SUBMITTAL TO AGENCIES	2017.07.26
	REVISIONS	



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 PHASE 13 - SECTION 1 & 2
 CHATHAM COUNTY, NORTH CAROLINA**

UTILITY PLAN

DATE: JULY 26, 2017	SCALE: C2.X	M&C FILE NUMBER: C2.X
M&C PROJ. # 02735-0198	HORIZONTAL: 1" = 50'	DRAWING NUMBER: C2.2
DRAWN: BSS	VERTICAL: N/A	
DESIGNED: BSS		
CHECKED: GCA		
PROJ. MGR.: CHS		
STATUS: FOR REVIEW PURPOSES ONLY		REVISION: 3

STAGE 1 CONSTRUCTION SEQUENCE:

1. THE INTENT OF THE CONSTRUCTION SEQUENCE IS TO PROVIDE THE CONTRACTOR WITH A GENERAL GUIDE FOR CONSTRUCTION PURPOSES. THIS SEQUENCE IS NOT INTENDED TO OUTLINE ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.
2. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CHATHAM COUNTY SOIL EROSION AND SEDIMENTATION CONTROL ORDINANCE.
3. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EVERY 0.5" OR MORE RAINFALL EVENT. NEEDED REPAIRS SHALL BE MADE IMMEDIATELY.
4. IF IT IS DETERMINED DURING CONSTRUCTION THAT SIGNIFICANT SEDIMENT IS LEAVING THE SITE, DESPITE PROPER IMPLEMENTATION AND MAINTENANCE, THE CONTRACTOR IS OBLIGATED TO TAKE ADDITIONAL CORRECTIVE ACTION. CONTACT CHATHAM COUNTY ENVIRONMENTAL QUALITY DEPARTMENT, OWNER'S REPRESENTATIVE AND ENGINEER WITH ANY ADDITIONAL MEASURES NEEDED.
5. CONTRACTOR SHALL ESTABLISH GROUNDCOVER ON DISTURBED AREAS WITHIN THE NUMBER OF CALENDAR DAYS AFTER COMPLETION OF GRADING PER THE SCHEDULE BELOW:

GRADUAL SLOPES:	(14) CALENDAR DAYS
MODERATE SLOPES:	(10) CALENDAR DAYS
STEEP SLOPES:	(7) CALENDAR DAYS

 SLOPES ARE AS DEFINED IN THE CHATHAM COUNTY SOIL EROSION AND SEDIMENTATION CONTROL ORDINANCE.
6. CONTRACTOR SHALL ARRANGE PRE-CONSTRUCTION MEETING WITH THE OWNER'S REPRESENTATIVE, ENGINEER AND CHATHAM COUNTY.
7. OBTAIN LETTER OF PLAN APPROVAL FOR SEDIMENTATION AND EROSION CONTROL FROM CHATHAM COUNTY SOIL EROSION & SEDIMENTATION CONTROL.
8. CONTRACTOR TO POST EROSION CONTROL PERMIT PROMINENTLY ON SITE AT ALL TIMES.
9. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES TO AVOID CONFLICT DURING INSTALLATION OF EROSION CONTROL MEASURES AND STORM DRAINAGE. CONTRACTOR IS TO CALL 1-800-632-4949 FOR "NO ONE CALL" TO HAVE UTILITIES LOCATED.

STAGE 1 CONSTRUCTION SEQUENCE (CONT.):

10. CONTRACTOR TO HAVE A PROFESSIONAL LAND SURVEYOR FLAG PROPERTY LINES, EASEMENTS, LANDSCAPE BUFFERS, STREAM BUFFERS, TREE PROTECTION AREAS AND LIMITS OF DISTURBANCE.
11. CONTRACTOR TO ENSURE THAT EXISTING EROSION CONTROL DEVICES ARE IN WORKING ORDER AND FUNCTIONING AS INTENDED IN PARTICULAR EXISTING INLET PROTECTION DEVICES ALONG GREAT RIDGE PARKWAY. IF NOT, CONTRACTOR IS TO TAKE MEASURES TO RESTORE EXISTING NON-FUNCTIONING EROSION CONTROL DEVICES.
12. INSTALL TREE PROTECTION FENCING AND SILT FENCING AS SHOWN AND DETAILED ON PLAN. TIMBER ONLY AS NECESSARY TO INSTALL THESE DEVICES.
13. CONSTRUCT TEMPORARY SKIMMER SEDIMENT BASINS & TEMPORARY SEDIMENT TRAP TO THE REQUIRED DIMENSIONS AND ELEVATIONS AS DETAILED IN THESE PLANS. PERMANENT RISER STRUCTURES SHALL BE INSTALLED IN SKIMMER BASINS #2 (BMP #33) & #4 (BMP #34) PER THE DETAILS AS SHOWN IN SHEETS D4.1-D4.4 AND SKIMMERS SHALL BE ATTACHED ACCORDINGLY. GRUB ONLY AS NECESSARY TO INSTALL THE BASINS. MATERIAL EXCAVATED DURING THE CONSTRUCTION OF SKIMMER BASINS SHALL BE TEMPORARILY STOCKPILED ADJACENT TO BASINS. ONCE ROUGH GRADING OPERATIONS BEGIN, THESE MATERIALS SHALL BE PLACED AS NEEDED IN AREAS OF FILL OR MOVED TO LARGER STOCKPILE AREAS.
14. INSTALL BAFFLES PER PLAN. SEED AND MULCH SIDE SLOPES OF SKIMMER BASINS UPON COMPLETION. INSTALL BIODEGRADABLE MATTING ON SIDE SLOPES OF BASINS IF NECESSARY TO ESTABLISH COVER.
15. CONSTRUCT TEMPORARY DIVERSION DITCHES AS SHOWN AND DETAILED IN THESE PLANS. SEED, MULCH AND INSTALL REQUIRED LINERS IN THESE DITCHES. INSTALL CHECK DAMS IN DITCHES AS SHOWN AND DETAILED ON PLANS. CLEAR ONLY AS NECESSARY TO INSTALL THESE EROSION CONTROL MEASURES.
15. CONTACT CHATHAM COUNTY SOIL EROSION & SEDIMENTATION AT 919-548-6643 AND ENGINEER UPON COMPLETION OF INITIAL EROSION CONTROL MEASURES.
16. ONCE TEMPORARY SKIMMER SEDIMENT BASINS AND DIVERSION DITCHES HAVE BEEN INSTALLED, GRUB WITHIN DELINEATED DRAINAGE AREAS ASSOCIATED WITH THE INSTALLED TEMPORARY SKIMMER SEDIMENT BASINS.

STAGE 1 CONSTRUCTION SEQUENCE (CONT.):

17. CONTRACTOR SHALL STRIP TOPSOIL AND STORE AT DESIGNATED LOCATION. PROVIDE SILT FENCE AROUND PERIMETER OF SLOPE OF ANY STOCKPILE AREAS. CONTRACTOR SHALL REMOVE ALL ROOT MATTER AND ORGANICS FROM WITHIN THE CLEARING LIMITS.
18. AFTER COMPLETION OF CLEARING AND GRUBBING, THE SITE SHALL BE TEMPORARILY STABILIZED EXCEPT IN AREAS OF ACTIVE CUT/FILL. ACTIVE AREAS SHOULD NOT EXCEED 25 ACRES AT ONE TIME.
19. BEGIN ROUGH GRADING WITHIN CLEARING LIMITS. MATERIAL EXCAVATED DURING THE CONSTRUCTION OF SKIMMER BASINS SHALL BE TEMPORARILY STOCKPILED ADJACENT TO BASINS. ONCE ROUGH GRADING OPERATIONS BEGIN, THESE MATERIALS SHALL BE PLACED AS NEEDED IN AREAS OF FILL OR MOVED TO LARGER STOCKPILE AREAS.
20. MAINTAIN AND PROTECT EXISTING UTILITIES AT ALL TIMES. MAINTAIN DIVERSION DITCHES, BASINS, SILT FENCE AND OTHER EROSION CONTROL MEASURES UNTIL THEY ARE APPROVED TO BE REMOVED.
21. PERFORM SEEDING AND MULCHING AS REQUIRED IN ACCORDANCE WITH THE PLANS.
22. ONCE GROUNDCOVER HAS BEEN ESTABLISHED AND OTHER CONSTRUCTION IS COMPLETE, CONTACT CHATHAM COUNTY SOIL EROSION AND SEDIMENTATION AND ENGINEER FOR SITE INSPECTION BEFORE REMOVING ANY TEMPORARY EROSION CONTROL MEASURES.
23. USE OF A SEDIMENT BAG IS REQUIRED FOR ALL BASIN DEWATERING DURING CONSTRUCTION.

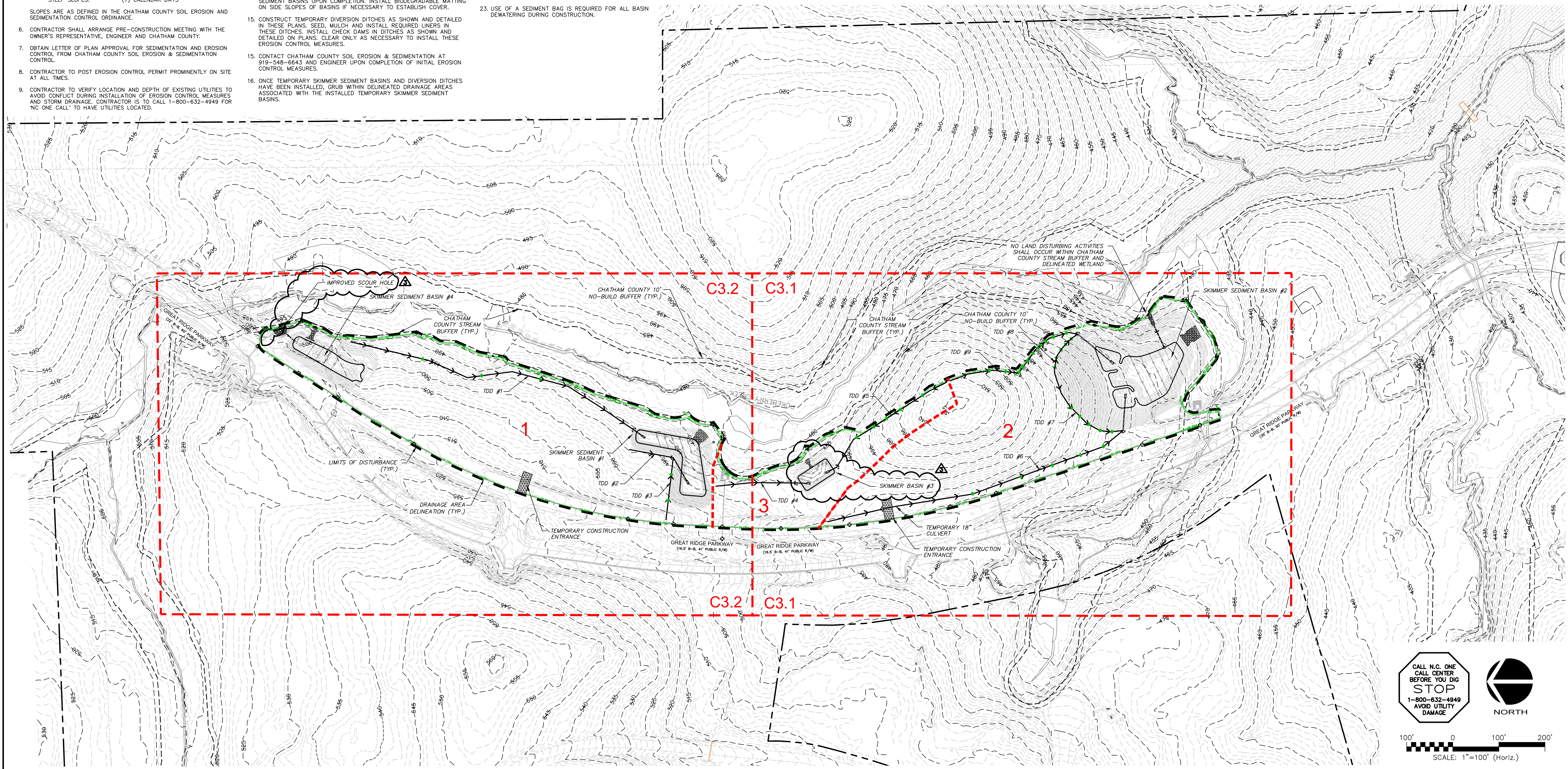
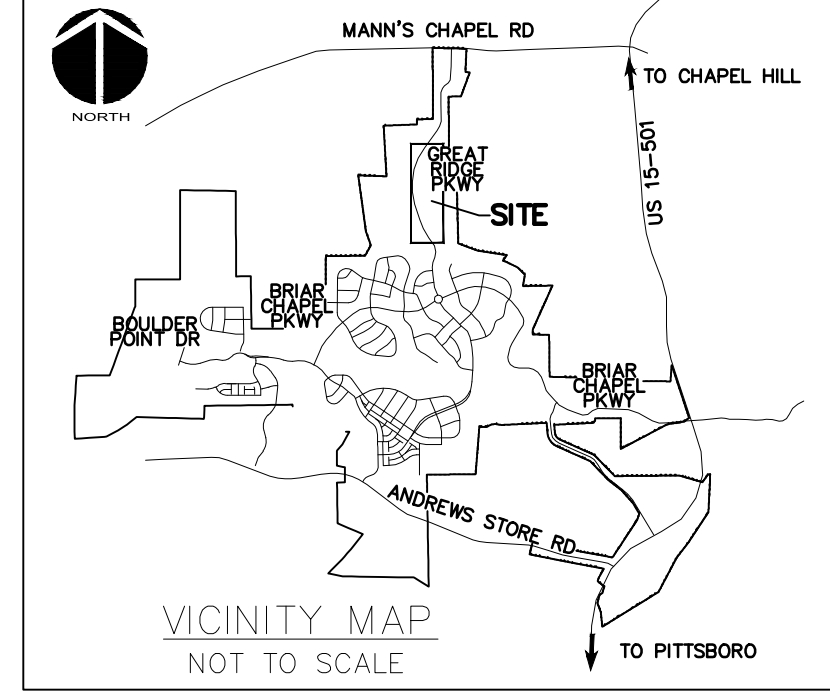
LIMITS OF DISTURBANCE NOTES:

1. LIMITS OF DISTURBANCE LINES ARE CLEARING LIMIT LINES WHICH WILL BE FLAGGED FOR A MINIMUM OF ONE PER 50-FT OR CLOSER DEPENDING ON VISIBILITY.
2. SILT FENCE AND TREE PROTECTION FENCE LINES ALSO DELINEATE THE LIMITS OF DISTURBANCE. ALL SILT FENCING OR TREE PROTECTION FENCING SHALL BE INSTALLED INSIDE LIMITS OF DISTURBANCE.
3. TOTAL DISTURBED AREA: 11.03 ACRES.

LEGEND:

	TEMPORARY CONSTRUCTION ENTRANCE
	RIPRAP OUTLET PROTECTION
	100-YEAR FLOODPLAIN
	EXISTING WETLANDS
	EX. COMBINATION SILT/TREE PROTECTION FENCE
	EX. TEMPORARY DIVERSION DITCH
	EXISTING CONTOUR
	EX. LIMITS OF DISTURBANCE
	COMBINATION SILT/TREE PROTECTION FENCE

	TEMPORARY DIVERSION DITCH
	LIMITS OF DISTURBANCE
	SEDIMENT BASIN BAFFLE
	ARC PIPE INLET PROTECTION
	DIVERSION CHECK DAM
	SLOPE DRAIN
	TEMPORARY DIVERSION DITCH
	CLEAN WATER DIVERSION DITCH
	SILT FENCE OUTLET
	DRAINAGE AREA
	DRAINAGE AREA DELINEATION



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SEAL

David Reed
PROFESSIONAL ENGINEER
10/09/2017
CHATHAM COUNTY, N.C.

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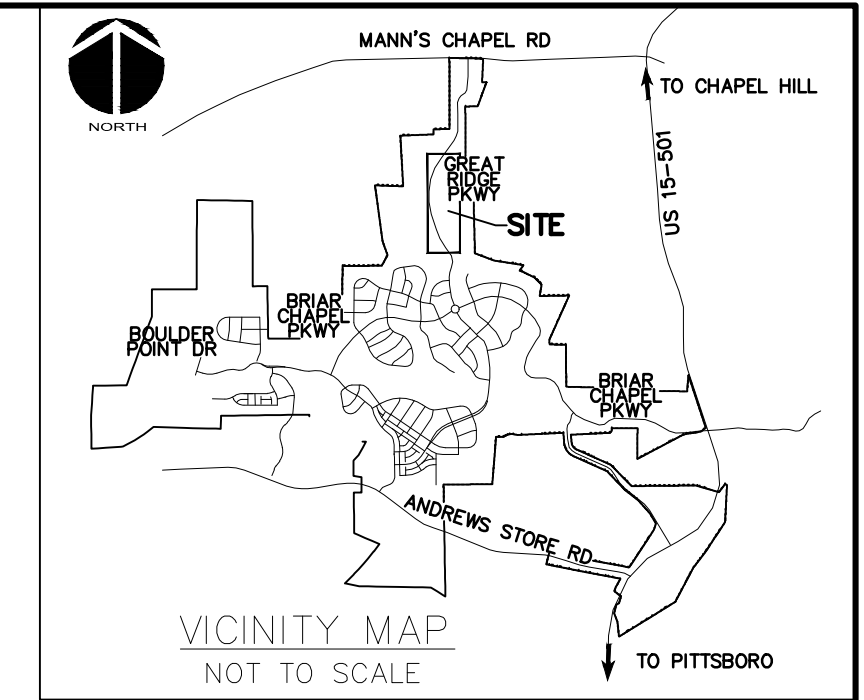
**BRIAR CHAPEL
PHASE 13 - SECTION 1 & 2
CHATHAM COUNTY, NORTH CAROLINA
OVERALL STAGE 1
GRADING, DRAINAGE & EROSION
CONTROL PLAN**

DATE:	JULY 26, 2017	SCALE:	C3.X
MCE PROJ. #	02735-0198	HORIZONTAL:	AS NOTED
DRAWN:	BSS	VERTICAL:	C3.0
DESIGNED:	BSS	REVISION:	3
CHECKED:	GCA	FOR REVIEW PURPOSES ONLY	
PROJ. MGR.	CHS		

NPDES GROUNDCOVER STABILIZATION TIMEFRAMES		
SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES, SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	14 DAYS FOR SLOPES 10' OR LESS IN LENGTH AND NOT STEEPER THAN 2:1
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES

EROSION CONTROL NOTES:

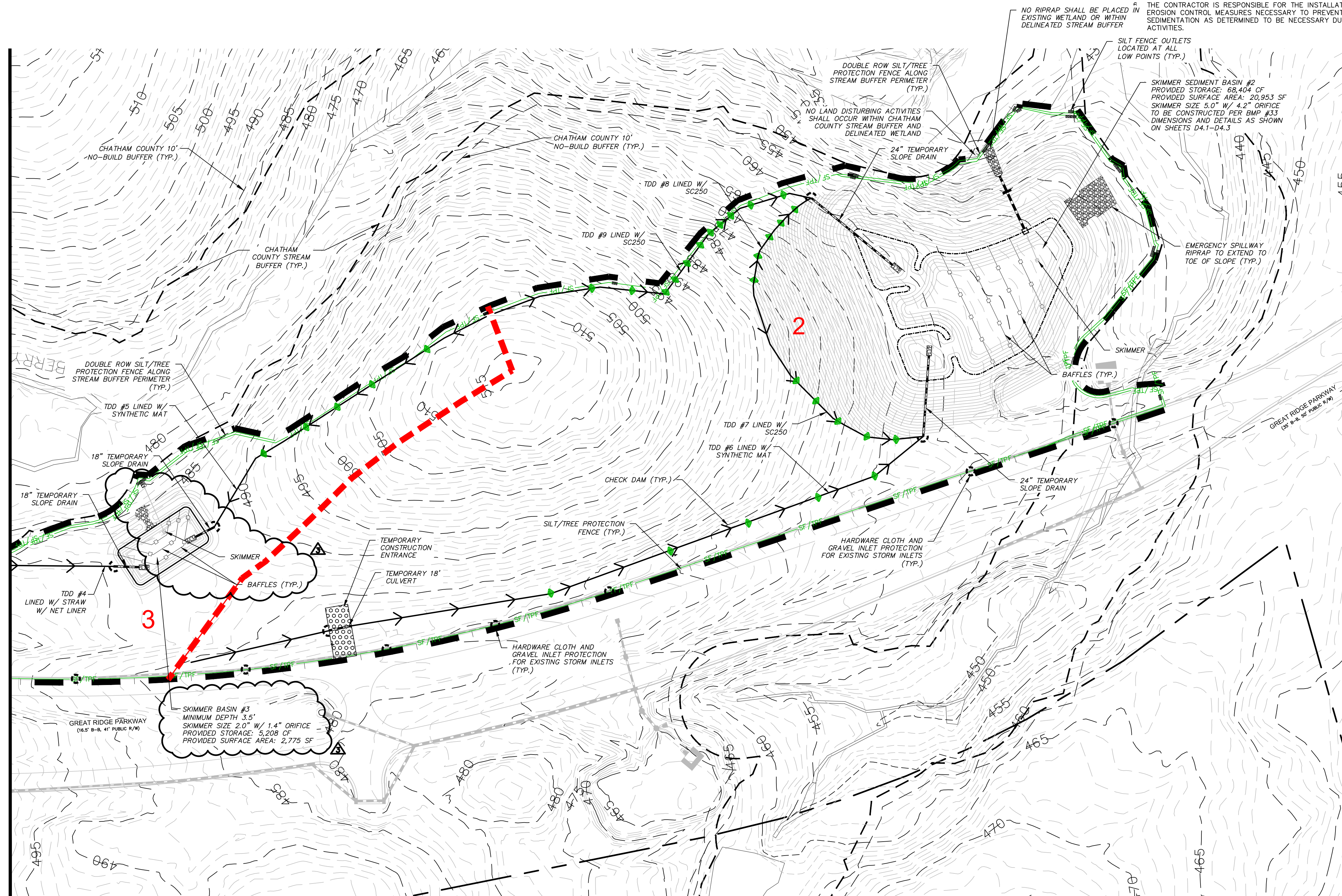
- PRIOR TO BEGINNING CONSTRUCTION, AN ON SITE PRE-CONSTRUCTION MEETING SHALL BE HELD. CHATHAM COUNTY OFFICIALS, THE ENGINEER, OWNER'S REPRESENTATIVE AND CONTRACTOR MUST ATTEND. NOTICE MUST BE GIVEN 48 HOURS NOTICE PRIOR TO SCHEDULING.
- ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL MANUAL.
- ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
- PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS, UNLESS OTHERWISE NOTED IN STABILIZATION TIMEFRAME CHART, TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 14 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED WITHIN 14 DAYS TO AREAS THAT ARE LEFT TO BE DORMANT FOR MORE THAN ONE YEAR.
- THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF PRODUCING RAINFALL EVENT EXCEEDING 1/8 INCH. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY. ANY MEASURE THAT FAILS TO FUNCTION AS INTENDED SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER OR OWNER'S REPRESENTATIVE.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED TO BE NECESSARY DURING CONSTRUCTION ACTIVITIES.



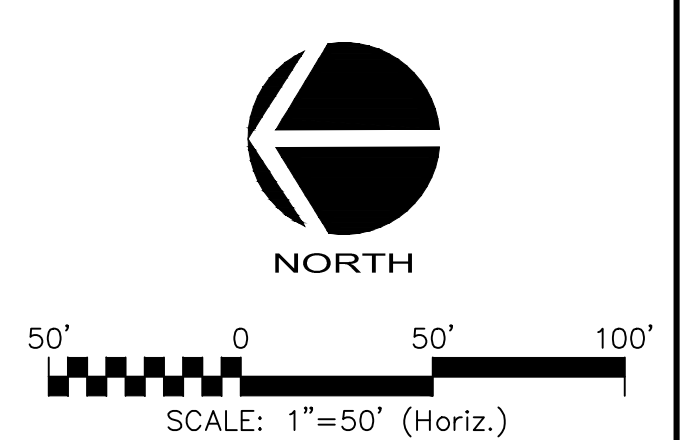
LEGEND:

	TEMPORARY CONSTRUCTION ENTRANCE
	RIPRAP OUTLET PROTECTION
	100-YEAR FLOODPLAIN
	EXISTING WETLANDS
	EX. COMBINATION SILT/TREE PROTECTION FENCE
	EX. TEMPORARY DIVERSION DITCH
	EXISTING CONTOUR
	EX. LIMITS OF DISTURBANCE
	COMBINATION SILT/TREE PROTECTION FENCE
	TEMPORARY DIVERSION DITCH
	LIMITS OF DISTURBANCE
	SEDIMENT BASIN BAFFLE
	ARC PIPE INLET PROTECTION
	DIVERSION CHECK DAM
	SLOPE DRAIN
	TEMPORARY DIVERSION DITCH
	CLEAN WATER DIVERSION DITCH
	SILT FENCE OUTLET
	DRAINAGE AREA
	DRAINAGE AREA DELINEATION
	HARDWARE CLOTH & GRAVEL INLET PROTECTION

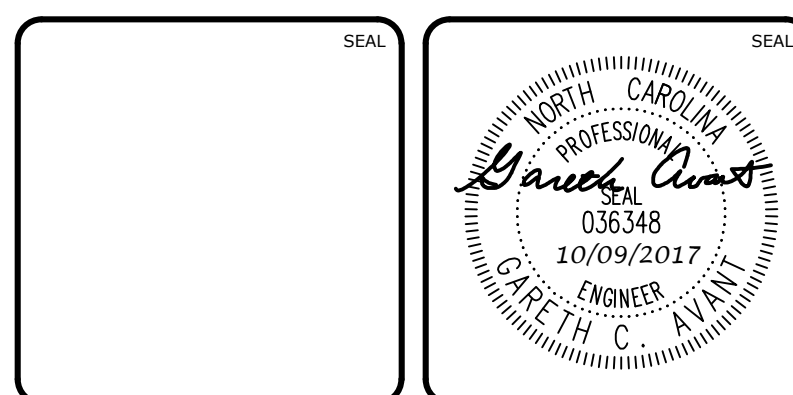
MATCHLINE - SEE SHEET C3.2



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



REV. NO.	DESCRIPTIONS	DATE
3	REVISIONS PER COMMENTS RECEIVED FROM COUNTY EROSION CONTROL	2017.10.09
2	REVISIONS PER COMMENTS RECEIVED FROM MCDOT	2017.09.21
1	REVISIONS PER COMMENTS RECEIVED FROM COUNTY EROSION CONTROL	2017.09.13
0	SUBMITTAL TO AGENCIES	2017.07.26



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BRIAR CHAPEL™
by
Newland COMMUNITIES

**BRIAR CHAPEL
PHASE 13 - SECTION 1 & 2
CHATHAM COUNTY, NORTH CAROLINA
STAGE 1
GRADING, DRAINAGE & EROSION
CONTROL PLAN**

DATE:	JULY 26, 2017	SCALE:	1" = 50'	MISC FILE NUMBER:	C3.X
MCE PROJ. #	02735-0198	HORIZONTAL:	1" = 50'	DRAWING NUMBER:	C3.1
DRAWN:	BSS	VERTICAL:	N/A		
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STATUS:	FOR REVIEW PURPOSES ONLY				
REVISION:	3				