

BRIAR CHAPEL

PHASE 13 - SECTION 3

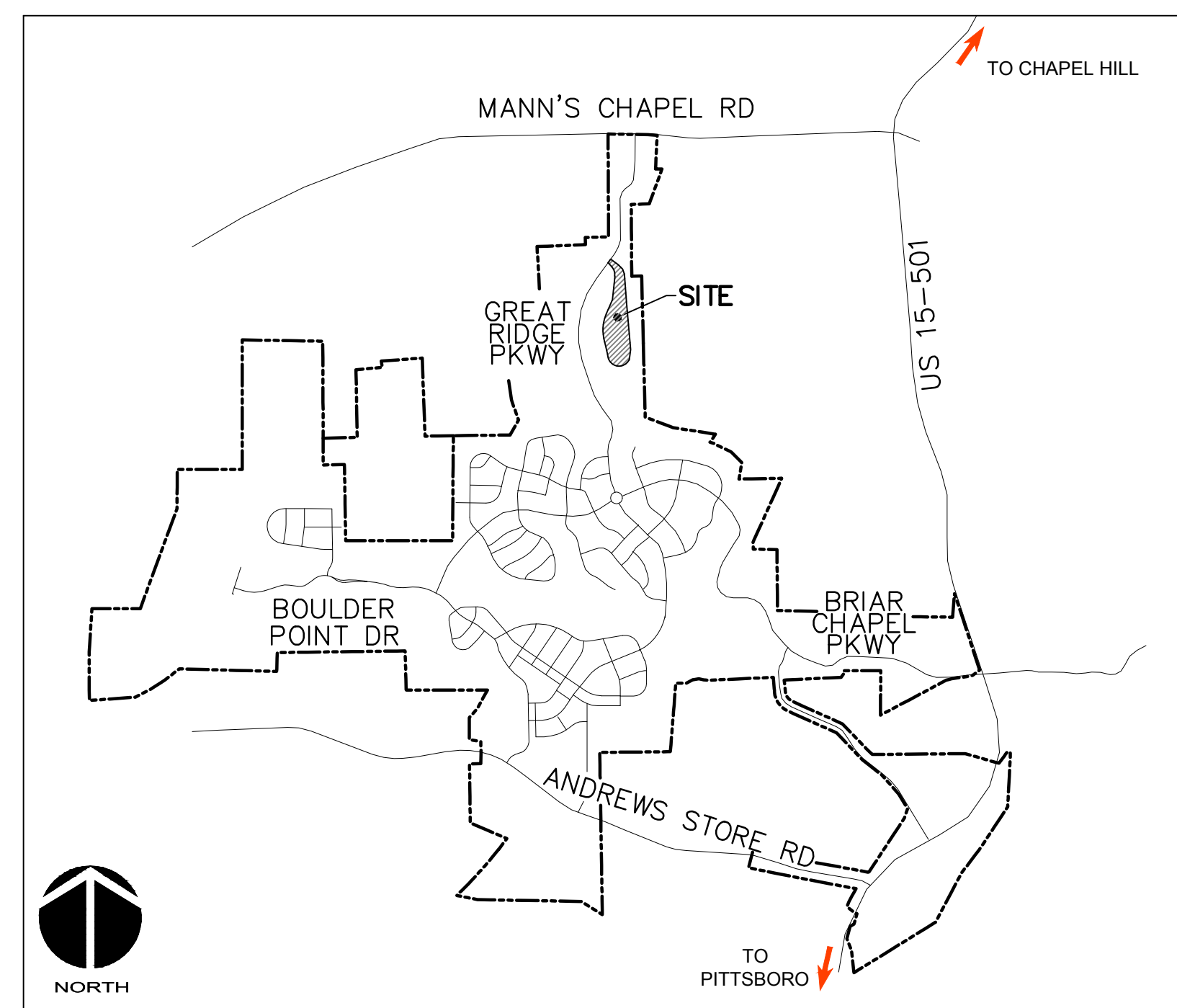
CONSTRUCTION DRAWINGS

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

CHATHAM COUNTY, NORTH CAROLINA

DATE: OCTOBER 23, 2018
 REVISED: JANUARY 9, 2019

COUNTY AND AGENCY CONTACTS	
<p>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</p>	<p>E. NCDOT Division 8, District 1 300 DOT Drive P.O. Box 1164 Asheboro, NC 27204 (336) 318-4000 phone Contact: Matthew Kitchen, PE Email: mwkitchen@ncdot.gov</p>
<p>B. Chatham County Environmental Services Dunlap Building 80 East Street Pittsboro, NC 27312 (919) 542-8268 phone Contact: Morgan DeWit Email: morgan.dewit@chathamnc.org</p>	<p>F. 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</p>
<p>C. Chatham County Soil Erosion and Sedimentation Control Dunlap Building 80 East Street Pittsboro, NC 27312 (919) 542-8268 phone Contact: Morgan DeWit Email: morgan.dewit@chathamnc.org</p>	<p>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</p>
<p>D. Chatham County Public Works 964 East Street, 2nd Floor, Suite 205 Pittsboro, NC 27312 (919) 542-8270 phone Contact: Larry Bridges Email: larry.bridges@chathamnc.org</p>	<p>G. NCDEQ 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</p>



VICINITY MAP
 NTS

PROJECT DATA

NAME OF PROJECT:
 BRIAR CHAPEL PHASE 13 - SECTION 3
 CHATHAM COUNTY, NORTH CAROLINA

OWNER:
 NNP BRIAR CHAPEL, LLC
 1382 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: 18.66 AC

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

SHEET INDEX

C0.1	COVER SHEET
C0.2	EXISTING CONDITIONS/DEMOLITION PLAN
C1.0	SITE PLAN
C2.0	UTILITY PLAN
C3.0	OVERALL STAGE 1 EROSION CONTROL PLAN
C3.1	STAGE 1 EROSION CONTROL PLAN
C3.2	STAGE 1 EROSION CONTROL PLAN
C3.3	OVERALL STAGE 2 GRADING, DRAINAGE, AND EROSION CONTROL PLAN
C3.4	STAGE 2 GRADING, DRAINAGE, AND EROSION CONTROL PLAN
C3.5	STAGE 2 GRADING, DRAINAGE, AND EROSION CONTROL PLAN
C4.1	PLAN & PROFILE ROAD A, STA. 10+00.00 TO STA. 25+50.00
C4.2	PLAN & PROFILE ROAD A, STA. 25+50.00 TO STA. 30+43.11 STA. 10+00.00 TO STA. 21+00.00 PLAN & PROFILE SOUTHERN BMP, STA. 10+00.00 TO STA. 12+61.87 PLAN & PROFILE NORTHERN BMP, STA. 10+00.00 TO STA. 10+68.60
C4.3	PLAN & PROFILE NORTHERN BYPASS, STA. 10+00.00 TO STA. 12+56.97 PLAN & PROFILE SOUTHERN BYPASS, STA. 10+00.00 TO STA. 11+94.32
D1.1	EROSION AND SEDIMENTATION CONTROL DETAILS
D1.2	EROSION AND SEDIMENTATION CONTROL DETAILS
D2.1	NCDOT ROADWAY DETAILS
D2.2	NCDOT DRAINAGE DETAILS
D2.3	NCDOT DRAINAGE DETAILS
D3.1	UTILITY DETAILS
D3.2	UTILITY DETAILS
D4.1	BMP #41 PLAN & DETAILS
D4.2	BMP #42 PLAN & DETAILS
D4.3	BMP #42 PLAN & DETAILS
D4.4	BMP #42 PLAN & DETAILS
D4.5	STORM DRAINAGE AND SANITARY SEWER TABLES

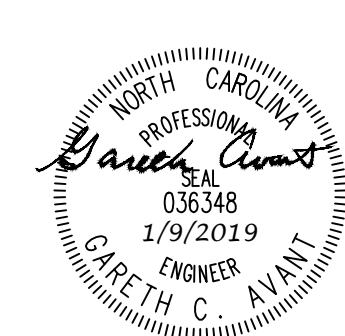


by
 Newland COMMUNITIES



1730 Varsity Drive, Suite 500
 Raleigh, North Carolina 27606
 Phone: (919)233-8091, Fax: (919)233-8031
 F-1222

www.mckimcreed.com



FINAL DRAWINGS
 FOR CONSTRUCTION

***** 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

N/F
 GOINES NELSON D
 DB 514, PG. 0364
 AKPAR: 64529
 ZONING: R1
 ACREAGE: 5.46

N/F
 GOINES NELSON D
 DB 514, PG. 0364
 AKPAR: 64534
 ZONING: R1
 ACREAGE: 5.46

N/F
 GOINES NELSON D
 DB 514, PG. 0362
 AKPAR: 64535
 ZONING: R1
 ACREAGE: 5.46

N/F
 GOINES NELSON D
 DB 514, PG. 0359
 AKPAR: 64536
 ZONING: R1
 ACREAGE: 5.46

N/F
 MAYNOR JEFFREY
 DB 939, PG. 0110
 AKPAR: 62262
 ZONING: R1
 ACREAGE: 1.50

N/F
 MAYNOR JEFFREY
 DB 764, PG. 0281
 AKPAR: 62259
 ZONING: R1
 ACREAGE: 1.51

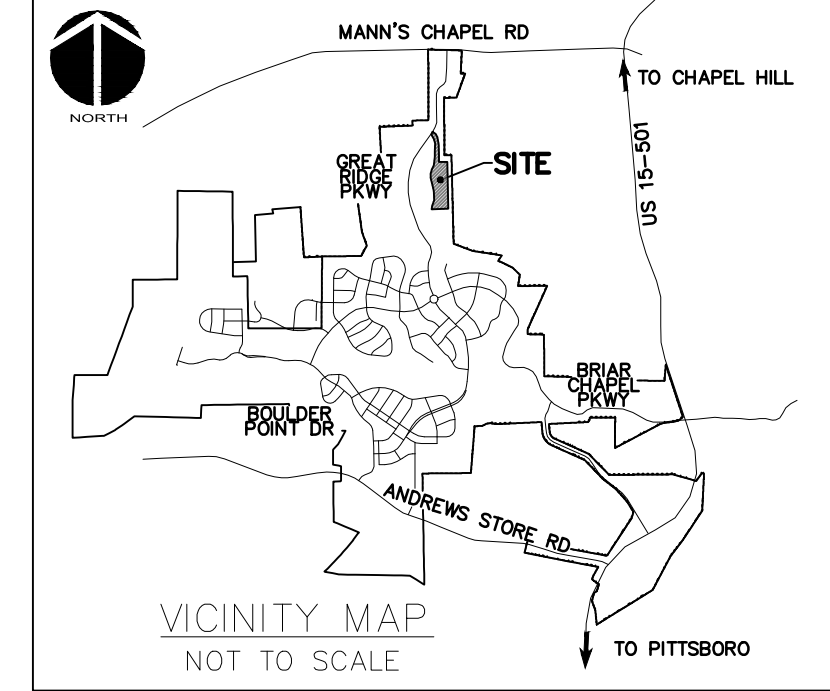
N/F
 OAKLEY MAJORIE
 DB 447, PG. 0377
 AKPAR: 73218
 ZONING: R1
 ACREAGE: 31.66

LEGEND:

- 10' NO BUILD BUFFER LINE
- RIPARIAN BUFFER LINE
- [Pattern] EX. WETLANDS
- [Pattern] FLOODWAY
- [Pattern] 100-YEAR FLOODPLAIN
- [Pattern] 500-YEAR FLOODPLAIN
- 480 --- EX. CONTOUR
- PHASE BOUNDARY
- OVERALL PROPERTY BOUNDARY
- [Pattern] EX. LIMITS OF DISTURBANCE
- W --- EX. WATER MAIN
- EX. STORM DRAINAGE PIPE

GENERAL NOTES:

1. REFER TO THE FOLLOWING MCKIM & CREED, INC. CONSTRUCTION PLANS, AND ALL SUBSEQUENT CONSTRUCTION BULLETINS FOR INFORMATION ON EXISTING SITE INFRASTRUCTURE:
 - BRIAR CHAPEL - PHASE 13 SECTIONS 1 & 2 CONSTRUCTION PLANS SEALED OCTOBER 10, 2017 (APPROVED BY NCDOT).
2. THIS PROPERTY IS ZONED CUD-CC.
3. ALL DISTANCES SHOWN ARE HORIZONTAL GROUND MEASUREMENTS.
4. BEARINGS SHOWN HEREON ARE BASED ON NC GRID NAD83. THIS PROJECT IS LOCALIZED ABOUT NCGS MONUMENT "MEACHAM" HAVING NC GRID COORDINATES N: 765,395.12', E: 1,963,424.93' USING A COMBINED FACTOR OF 0.9999976.
5. 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'.
6. HORIZONTAL AND VERTICAL CONTROL FOR THIS SITE WAS INSTALLED BY GPA PROFESSIONAL LAND SURVEYORS OF NC.
7. PROJECT IS LOCATED IN THE CAPE FEAR RIVER BASIN.
8. STREAM AND WETLAND LOCATIONS ARE BASED ON INFORMATION PROVIDED BY HUYSMAN AND BANDY, INC. - CONTACT CHRIS HUYSMAN AR 336-306-0906.
9. NO PORTION OF THIS PROPERTY IS LOCATED IN SPECIAL FLOOD HAZARD AREA "AE" AS SHOWN ON FEMA FIRM MAPS #3710976500K DATED NOVEMBER 17, 2017 AND #3710976600K DATED NOVEMBER 17, 2017.
10. OFFSITE TOPOGRAPHY SHOWN IS FROM BEST AVAILABLE GIS DATA.



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

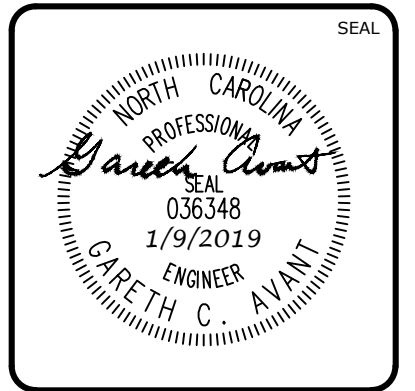
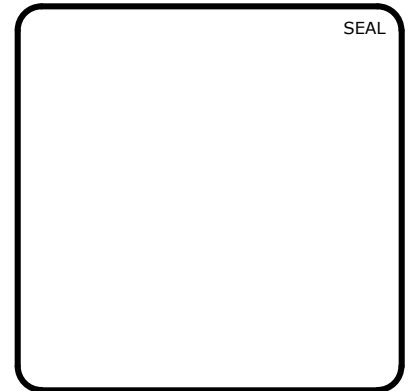
DEMOLITION NOTES:

1. 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.
2. NO EARTH-DISTURBING ACTIVITY OR OTHER WORK SHALL TAKE PLACE WITHIN WETLAND AREAS NOTED ON PLANS. 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.
3. 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.
4. 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.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE PUBLIC DURING CONSTRUCTION, WHICH INCLUDES, BUT IS NOT LIMITED TO, CONSTRUCTION FENCING, BARRICADES, SIGNAGE, ETC.
6. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH ALL REGULATIONS GOVERNING THE DEMOLITION, REMOVAL, TRANSPORTATION AND DISPOSAL OF ALL DEMOLITION DEBRIS.
7. 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.
8. CONTRACTOR SHALL TAKE SPECIAL CARE TO PROTECT ALL UTILITIES AND APPURTENANCES TO REMAIN.

REFER TO CONSTRUCTION PLANS TITLED "BRIAR CHAPEL PHASE 13 - SECTION 1 & 2" SEALED 4/2/2018 (ISSUED FOR CONSTRUCTION)

REFER TO CONSTRUCTION PLANS TITLED "BRIAR CHAPEL - GREAT RIDGE PARKWAY NORTH & WATERLINE EXTENSION SEALED 06/22/2007"

REV. NO.	DESCRIPTIONS	DATE
5	REVISIONS PER COUNTY EROSION CONTROL COMMENTS	2019.01.09
4	REVISIONS PER NCDOT COMMENTS	2019.01.07
3	REVISIONS PER NCDOT COMMENTS	2018.12.17
2	REVISIONS PER CHATHAM COUNTY PUBLIC WORKS	2018.11.06
1	INITIAL SUBMITTAL	2018.10.23



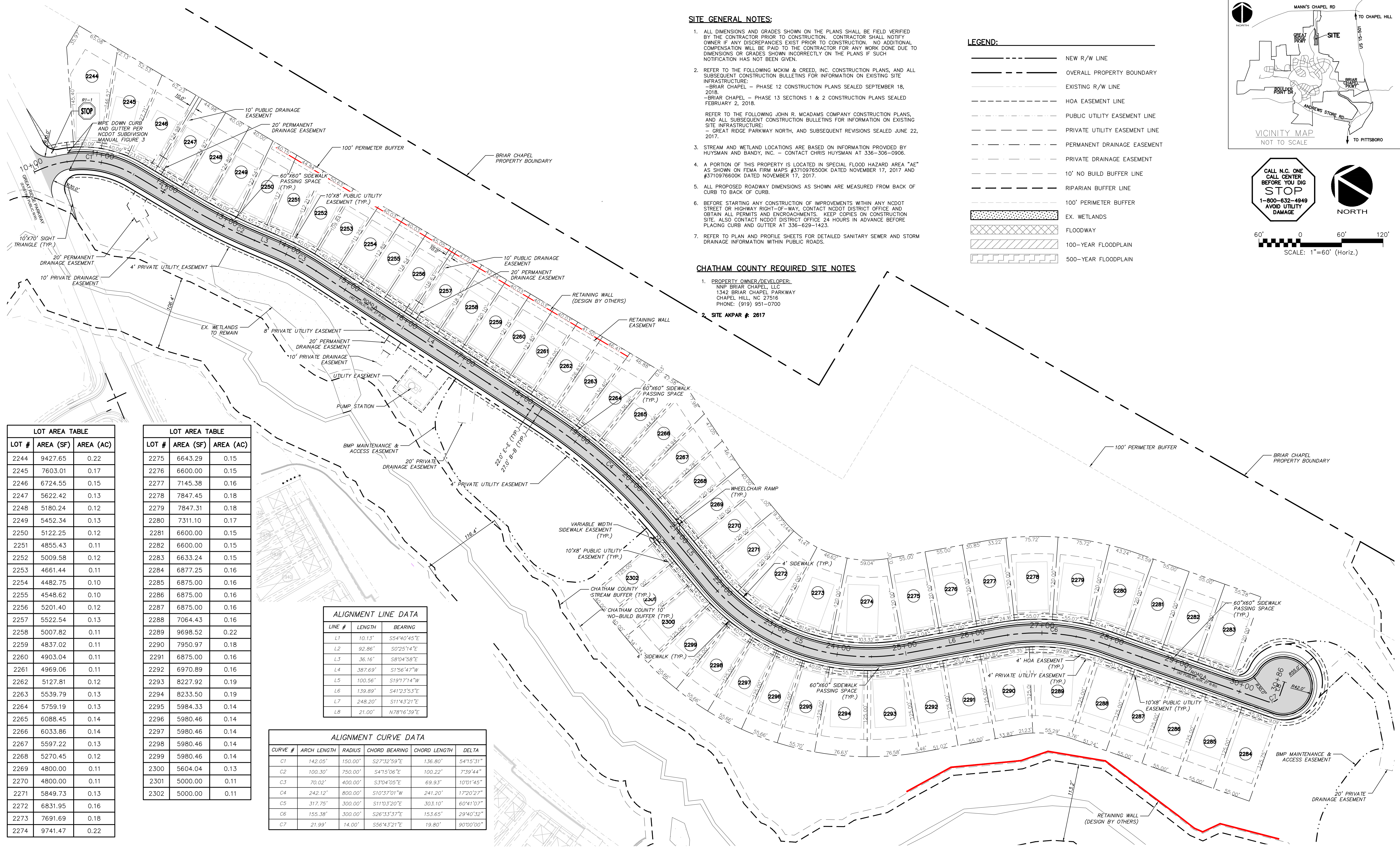
MCKIM & CREED
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 Raleigh, North Carolina 27606
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 F-1222
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BRIAR CHAPEL™
 by
Newland COMMUNITIES

**BRIAR CHAPEL
 PHASE 13 - SECTION 3
 CHATHAM COUNTY, NORTH CAROLINA
 OVERALL
 EXISTING CONDITIONS/
 DEMOLITION PLAN**

DATE:	OCTOBER 23, 2018
MCE PROJ. #	02735-0239
DRAWN	BSS
DESIGNED	BSS
CHECKED	GCA
PROJ. MGR.	CHS

SCALE	C0.2
HORIZONTAL:	AS NOTED
VERTICAL:	N/A
STATUS:	FINAL DRAWINGS FOR REVIEW PURPOSES ONLY
REVISION	5

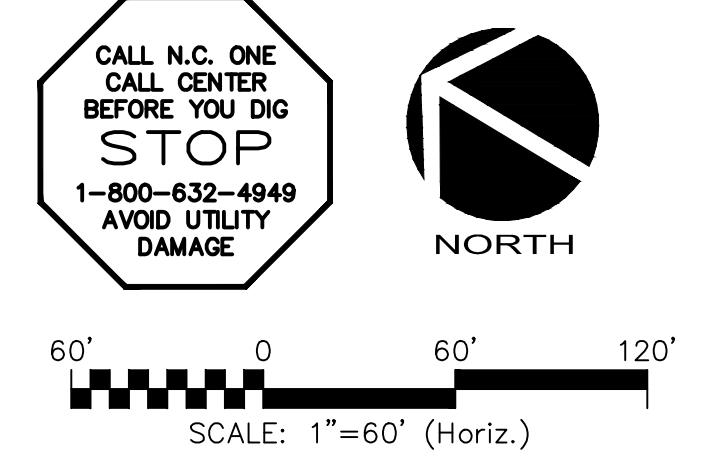
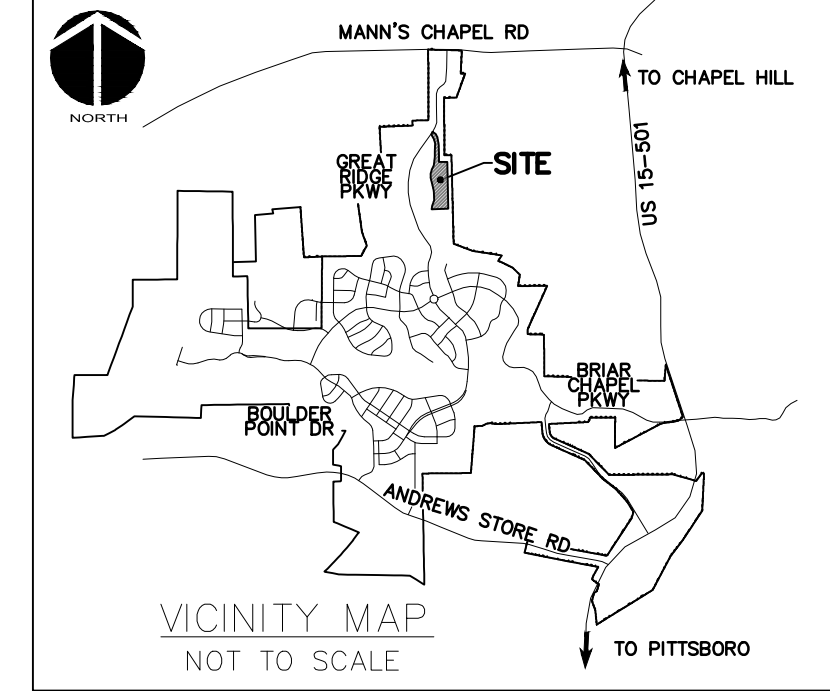


SITE GENERAL NOTES:

- 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 MCKIM & CREED, INC. CONSTRUCTION PLANS, AND ALL SUBSEQUENT CONSTRUCTION BULLETINS FOR INFORMATION ON EXISTING SITE INFRASTRUCTURE:
 -BRIAR CHAPEL - PHASE 12 CONSTRUCTION PLANS SEALED SEPTEMBER 18, 2018.
 -BRIAR CHAPEL - PHASE 13 SECTIONS 1 & 2 CONSTRUCTION PLANS SEALED FEBRUARY 2, 2018.
 REFER TO THE FOLLOWING JOHN R. MCADAMS COMPANY CONSTRUCTION PLANS, AND ALL SUBSEQUENT CONSTRUCTION BULLETINS FOR INFORMATION ON EXISTING SITE INFRASTRUCTURE:
 - GREAT RIDGE PARKWAY NORTH, AND SUBSEQUENT REVISIONS SEALED JUNE 22, 2017.
- STREAM AND WETLAND LOCATIONS ARE BASED ON INFORMATION PROVIDED BY HUYSMAN AND BANDY, INC. - CONTACT CHRIS HUYSMAN AT 336-306-0906.
- A PORTION OF THIS PROPERTY IS LOCATED IN SPECIAL FLOOD HAZARD AREA "AE" AS SHOWN ON FEMA FIRM MAPS #3710978500K DATED NOVEMBER 17, 2017 AND #371097600K DATED NOVEMBER 17, 2017.
- ALL PROPOSED ROADWAY DIMENSIONS AS SHOWN ARE MEASURED FROM BACK OF CURB TO BACK OF CURB.
- 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.

LEGEND:

- NEW R/W LINE
- OVERALL PROPERTY BOUNDARY
- EXISTING R/W LINE
- HOA EASEMENT LINE
- PUBLIC UTILITY EASEMENT LINE
- PRIVATE UTILITY EASEMENT LINE
- PERMANENT DRAINAGE EASEMENT
- PRIVATE DRAINAGE EASEMENT
- 10' NO BUILD BUFFER LINE
- RIPARIAN BUFFER LINE
- 100' PERIMETER BUFFER
- EX. WETLANDS
- FLOODWAY
- 100-YEAR FLOODPLAIN
- 500-YEAR FLOODPLAIN



CHATHAM COUNTY REQUIRED SITE NOTES

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

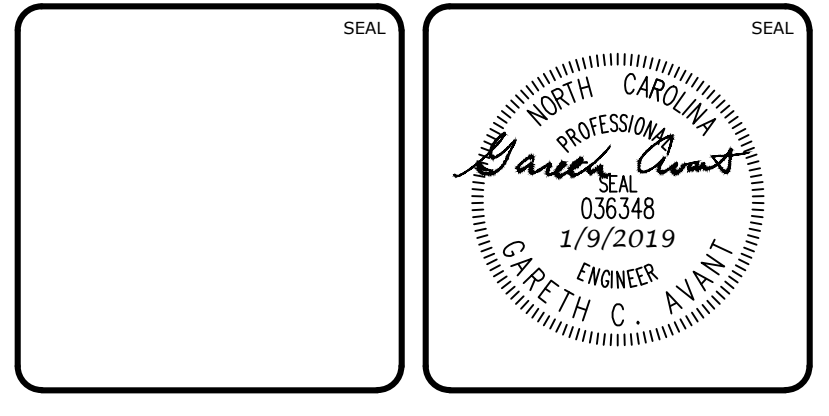
LOT #	AREA (SF)	AREA (AC)
2244	9427.65	0.22
2245	7603.01	0.17
2246	6724.55	0.15
2247	5622.42	0.13
2248	5180.24	0.12
2249	5452.34	0.13
2250	5122.25	0.12
2251	4855.43	0.11
2252	5009.58	0.12
2253	4661.44	0.11
2254	4482.75	0.10
2255	4548.62	0.10
2256	5201.40	0.12
2257	5522.54	0.13
2258	5007.82	0.11
2259	4837.02	0.11
2260	4903.04	0.11
2261	4969.06	0.11
2262	5127.81	0.12
2263	5539.79	0.13
2264	5759.19	0.13
2265	6088.45	0.14
2266	6033.86	0.14
2267	5597.22	0.13
2268	5270.45	0.12
2269	4800.00	0.11
2270	4800.00	0.11
2271	5849.73	0.13
2272	6831.95	0.16
2273	7691.69	0.18
2274	9741.47	0.22

LOT #	AREA (SF)	AREA (AC)
2275	6643.29	0.15
2276	6600.00	0.15
2277	7145.38	0.16
2278	7847.45	0.18
2279	7847.31	0.18
2280	7311.10	0.17
2281	6600.00	0.15
2282	6600.00	0.15
2283	6633.24	0.15
2284	6877.25	0.16
2285	6875.00	0.16
2286	6875.00	0.16
2287	6875.00	0.16
2288	7064.43	0.16
2289	9698.52	0.22
2290	7950.97	0.18
2291	6875.00	0.16
2292	6970.89	0.16
2293	8227.92	0.19
2294	8233.50	0.19
2295	5984.33	0.14
2296	5980.46	0.14
2297	5980.46	0.14
2298	5980.46	0.14
2299	5980.46	0.14
2300	5604.04	0.13
2301	5000.00	0.11
2302	5000.00	0.11

LINE #	LENGTH	BEARING
L1	10.13'	S54°40'45"E
L2	92.86'	S0°25'14"E
L3	36.16'	S8°04'58"E
L4	387.69'	S1°56'47"W
L5	100.56'	S19°17'14"W
L6	139.89'	S41°23'53"E
L7	248.20'	S11°43'21"E
L8	21.00'	N78°16'59"E

CURVE #	ARCH LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH	DELTA
C1	142.05'	150.00'	S27°32'59"E	136.80'	54°15'31"
C2	100.30'	750.00'	S4°15'06"E	100.22'	7°39'44"
C3	70.02'	400.00'	S3°04'05"E	69.93'	10°01'45"
C4	242.12'	800.00'	S10°37'01"W	241.20'	17°20'27"
C5	317.75'	300.00'	S11°03'20"E	303.10'	60°41'07"
C6	155.38'	300.00'	S26°33'37"E	153.65'	29°40'32"
C7	21.99'	14.00'	S56°43'21"E	19.80'	90°00'00"

REV. NO.	DATE	DESCRIPTIONS	REVISIONS
5	2019.01.09	REVISIONS PER COUNTY EROSION CONTROL COMMENTS	
4	2019.01.07	REVISIONS PER NCDOT COMMENTS	
3	2018.12.17	REVISIONS PER NCDOT COMMENTS	
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1	2018.10.23	INITIAL SUBMITTAL	



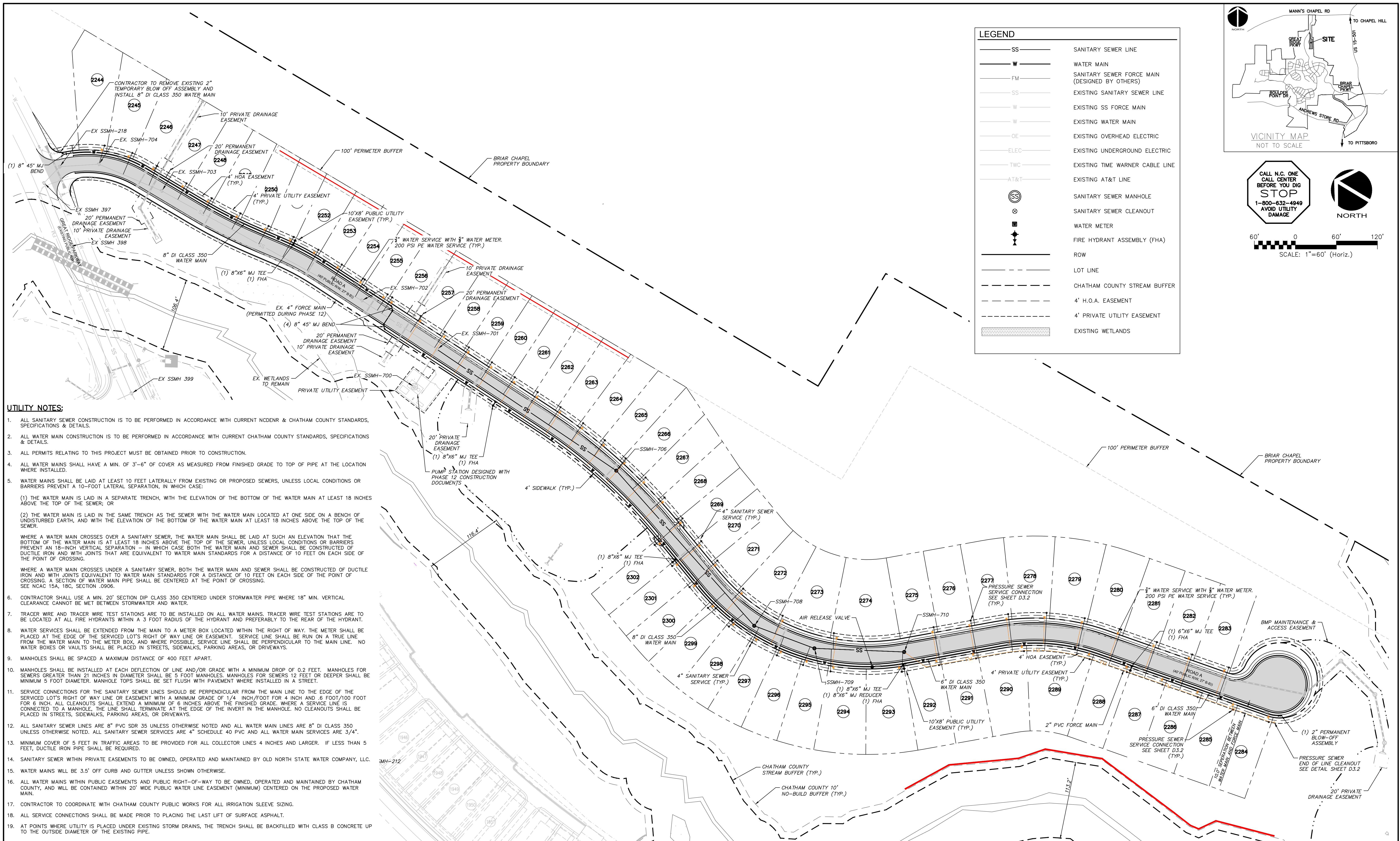
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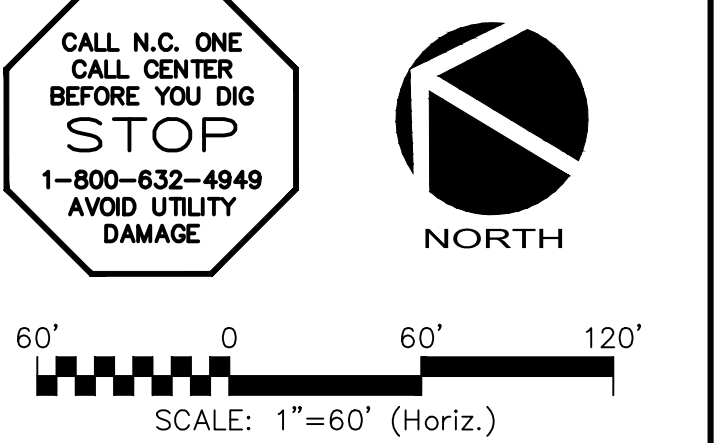
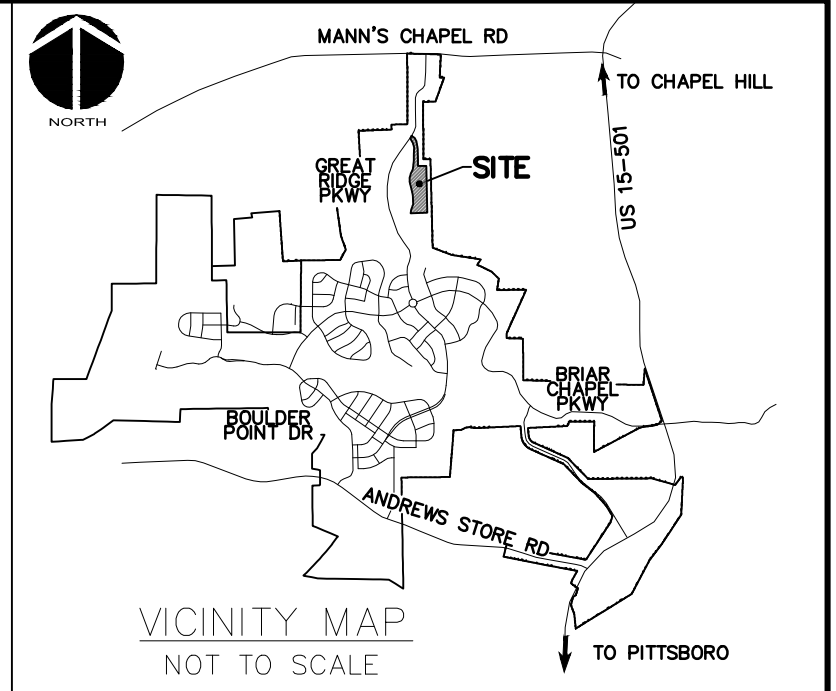
**BRIAR CHAPEL
 PHASE 13 - SECTION 3
 CHATHAM COUNTY, NORTH CAROLINA**

OVERALL SITE PLAN

DATE: OCTOBER 23, 2018	SCALE: C1.X	M&C FILE NUMBER: C1.0
M&C PROJ. # 02735-0239	HORIZONTAL: AS NOTED	DRAWING NUMBER: C1.0
DRAWN: BSS	VERTICAL: N/A	REVISION: 5
DESIGNED: BSS		
CHECKED: GCA		
PROJ. MGR.: CHS		
STATUS: FINAL DRAWINGS FOR REVIEW PURPOSES ONLY		



LEGEND	
SS	SANITARY SEWER LINE
W	WATER MAIN
FM	SANITARY SEWER FORCE MAIN (DESIGNED BY OTHERS)
SS	EXISTING SANITARY SEWER LINE
W	EXISTING SS FORCE MAIN
W	EXISTING WATER MAIN
OE	EXISTING OVERHEAD ELECTRIC
ELEC	EXISTING UNDERGROUND ELECTRIC
TWC	EXISTING TIME WARNER CABLE LINE
AT&T	EXISTING AT&T LINE
⊗	SANITARY SEWER MANHOLE
⊙	SANITARY SEWER CLEANOUT
⊕	WATER METER
⊕	FIRE HYDRANT ASSEMBLY (FHA)
---	ROW
---	LOT LINE
---	CHATHAM COUNTY STREAM BUFFER
---	4' H.O.A. EASEMENT
---	4' PRIVATE UTILITY EASEMENT
---	EXISTING WETLANDS



UTILITY NOTES:

- ALL SANITARY SEWER CONSTRUCTION IS TO BE PERFORMED IN ACCORDANCE WITH CURRENT NCDNR & 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.
- 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 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 8 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 OLD NORTH STATE WATER COMPANY, LLC.
- 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.
- ALL SERVICE CONNECTIONS SHALL BE MADE PRIOR TO PLACING THE LAST LIFT OF SURFACE ASPHALT.
- AT POINTS WHERE UTILITY IS PLACED UNDER EXISTING STORM DRAINS, THE TRENCH SHALL BE BACKFILLED WITH CLASS B CONCRETE UP TO THE OUTSIDE DIAMETER OF THE EXISTING PIPE.

REV. NO.	DESCRIPTIONS	DATE
4	REVISIONS PER NCDOT COMMENTS	2019.01.07
3	REVISIONS PER NCDOT COMMENTS	2018.12.17
2	REVISIONS PER CHATHAM COUNTY PUBLIC WORKS	2018.11.06
1	INITIAL SUBMITTAL	2018.10.23

SEAL

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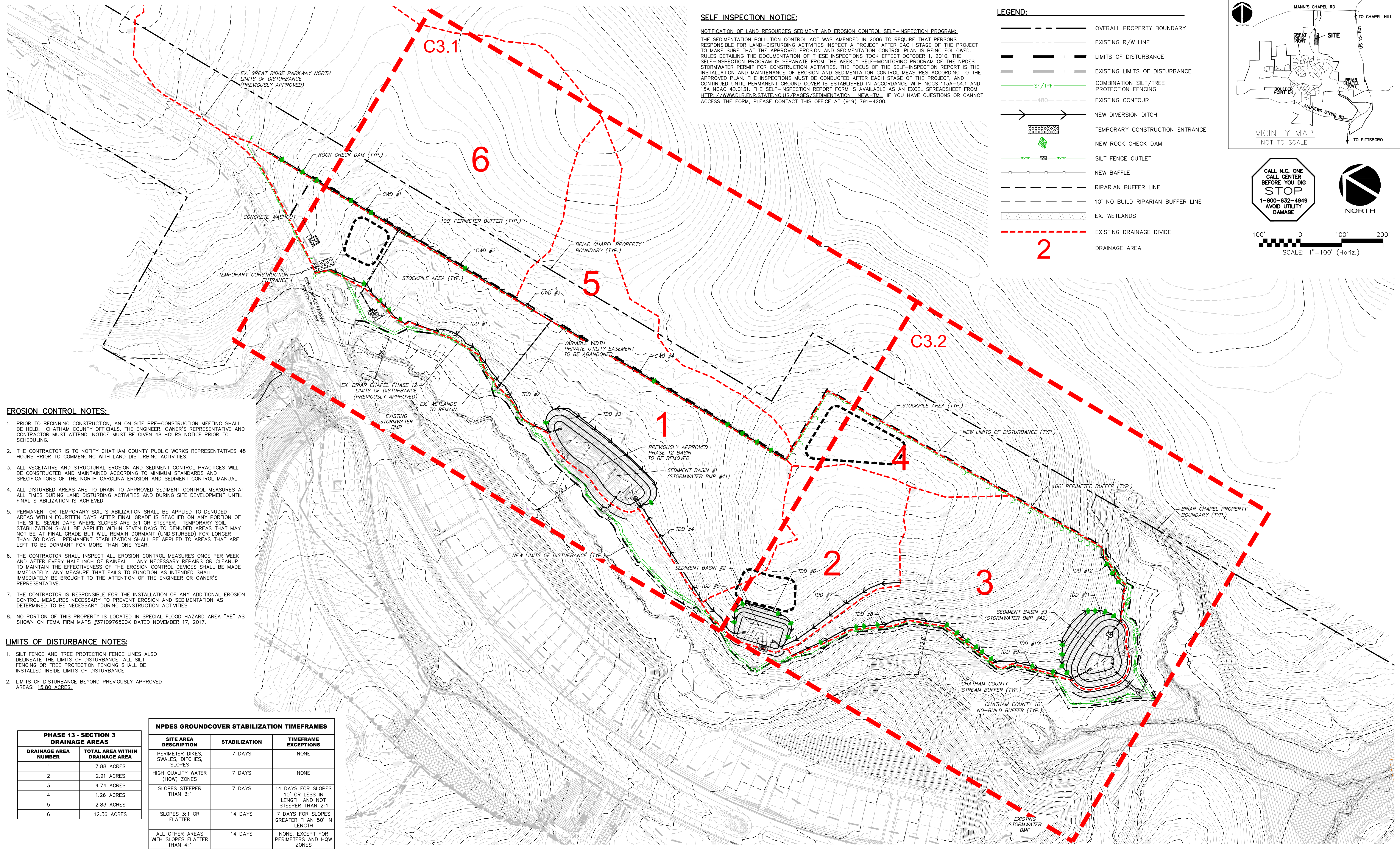
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 PHASE 13 - SECTION 3
 CHATHAM COUNTY, NORTH CAROLINA**

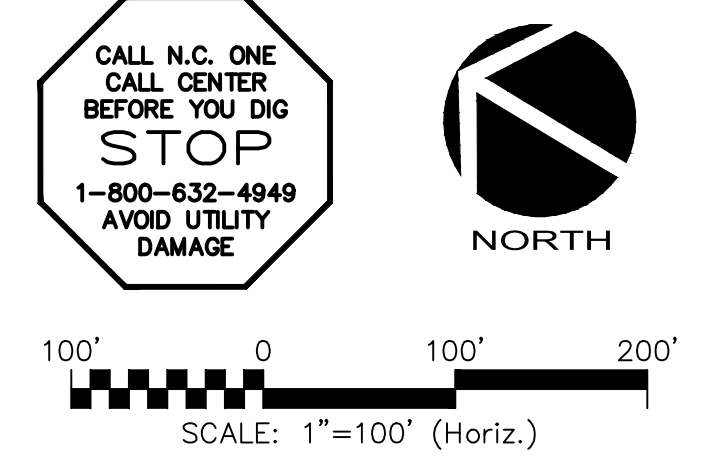
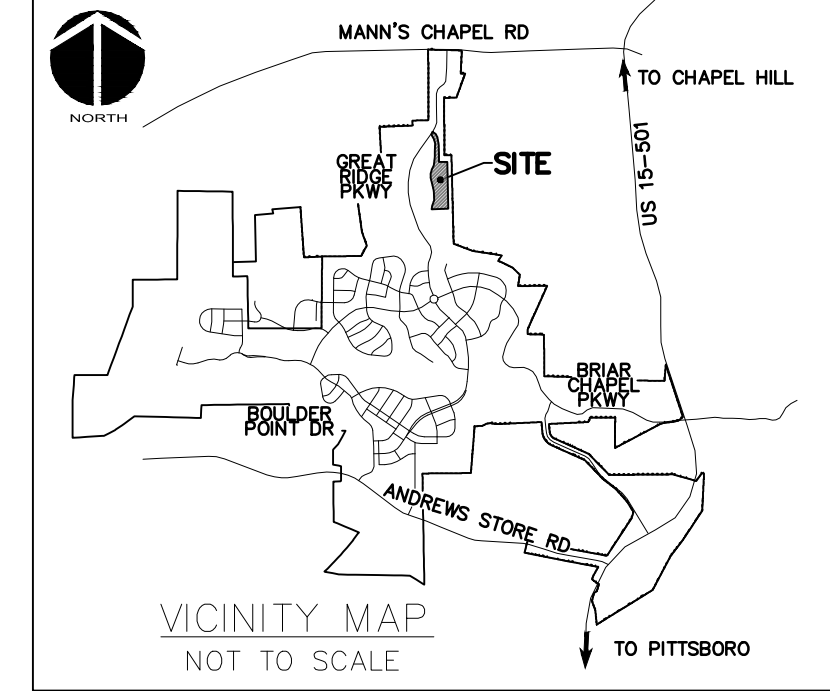
UTILITY PLAN

DATE: OCTOBER 23, 2018	SCALE: C2.X	MISC FILE NUMBER: C2.X
MCE PROJ. # 02735-0239	HORIZONTAL: AS NOTED	DRAWING NUMBER: C2.0
DRAWN: BSS	VERTICAL: N/A	
DESIGNED: BSS		
CHECKED: GCA		
PROJ. MGR.: CHS		
STATUS: FINAL DRAWINGS FOR REVIEW PURPOSES ONLY	REVISION: 4	



SELF INSPECTION NOTICE:
 NOTIFICATION OF LAND RESOURCES SEDIMENT AND EROSION CONTROL SELF-INSPECTION PROGRAM.
 THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH STAGE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED. RULES DETAILING THE DOCUMENTATION OF THESE INSPECTIONS TOOK EFFECT OCTOBER 1, 2010. THE SELF-INSPECTION PROGRAM IS SEPARATE FROM THE WEEKLY SELF-MONITORING PROGRAM OF THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES. THE FOCUS OF THE SELF-INSPECTION REPORT IS THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES ACCORDING TO THE APPROVED PLAN. THE INSPECTIONS MUST BE CONDUCTED AFTER EACH STAGE OF THE PROJECT, AND CONTINUED UNTIL PERMANENT GROUND COVER IS ESTABLISHED IN ACCORDANCE WITH NCGS 113A-54.1 AND 15A NCAC 48.0131. THE SELF-INSPECTION REPORT FORM IS AVAILABLE AS AN EXCEL SPREADSHEET FROM [HTTP://WWW.DLR.ENR.STATE.NC.US/PAGES/SEDIMENTATION_NEW.HTML](http://www.dlr.enr.state.nc.us/pages/SEDIMENTATION_NEW.HTML). IF YOU HAVE QUESTIONS OR CANNOT ACCESS THE FORM, PLEASE CONTACT THIS OFFICE AT (919) 791-4200.

- LEGEND:**
- OVERALL PROPERTY BOUNDARY
 - - - EXISTING R/W LINE
 - - - LIMITS OF DISTURBANCE
 - - - EXISTING LIMITS OF DISTURBANCE
 - SF/TPF COMBINATION SILT/TREE PROTECTION FENCING
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 - NEW DIVERSION DITCH
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 - SILT FENCE OUTLET
 - NEW BAFFLE
 - - - RIPARIAN BUFFER LINE
 - - - 10' NO BUILD RIPARIAN BUFFER LINE
 - EX. WETLANDS
 - - - EXISTING DRAINAGE DIVIDE
 - DRAINAGE AREA



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.
- THE CONTRACTOR IS TO NOTIFY CHATHAM COUNTY PUBLIC WORKS REPRESENTATIVES 48 HOURS PRIOR TO COMMENCING WITH LAND DISTURBING ACTIVITIES.
- 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 FOURTEEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. SEVEN DAYS WHERE SLOPES ARE 3:1 OR STEEPER. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE LEFT TO BE DORMANT FOR MORE THAN ONE YEAR.
- THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES ONCE PER WEEK AND AFTER EVERY HALF INCH OF RAINFALL. 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.
- NO PORTION OF THIS PROPERTY IS LOCATED IN SPECIAL FLOOD HAZARD AREA "AE" AS SHOWN ON FEMA FIRM MAPS #3710976500K DATED NOVEMBER 17, 2017.

LIMITS OF DISTURBANCE NOTES:

- 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.
- LIMITS OF DISTURBANCE BEYOND PREVIOUSLY APPROVED AREAS: 15.80 ACRES.

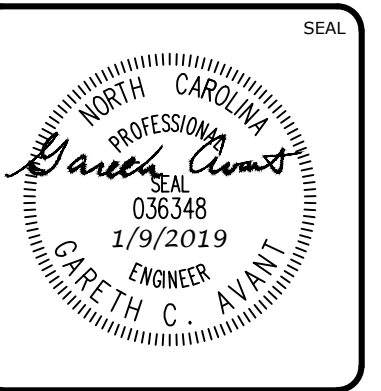
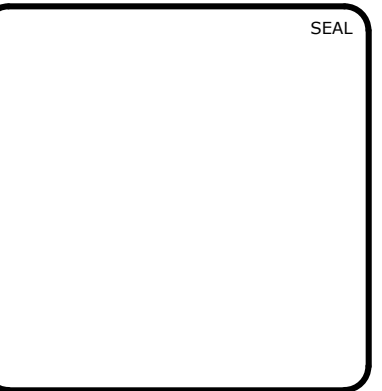
NPDES GROUNDCOVER STABILIZATION TIMEFRAMES

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

PHASE 13 - SECTION 3 DRAINAGE AREAS

DRAINAGE AREA NUMBER	TOTAL AREA WITHIN DRAINAGE AREA
1	7.88 ACRES
2	2.91 ACRES
3	4.74 ACRES
4	1.26 ACRES
5	2.83 ACRES
6	12.36 ACRES

REV. NO.	DESCRIPTIONS	DATE
5	REVISIONS PER COUNTY EROSION CONTROL COMMENTS	2019.01.09
4	REVISIONS PER NCDOT COMMENTS	2019.01.07
3	REVISIONS PER NCDOT COMMENTS	2018.12.17
2	REVISIONS PER CHATHAM COUNTY PUBLIC WORKS	2018.11.06
1	INITIAL SUBMITTAL	2018.10.23

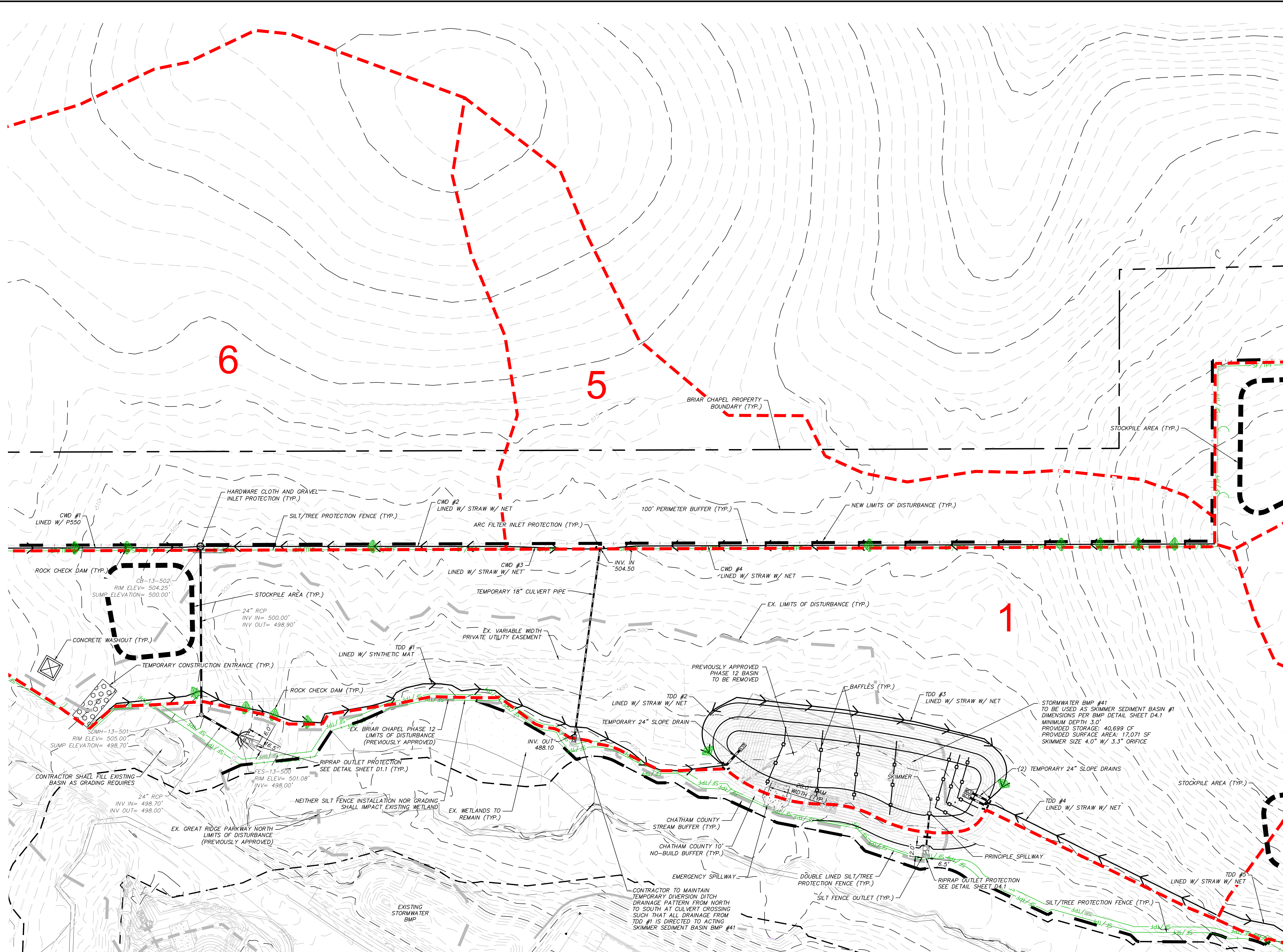
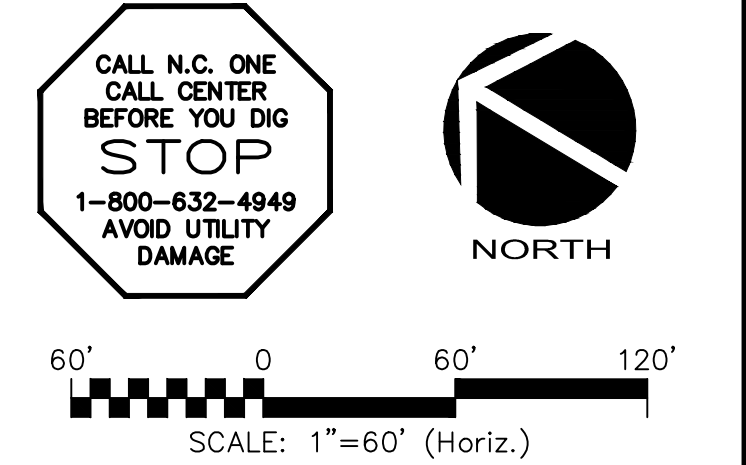
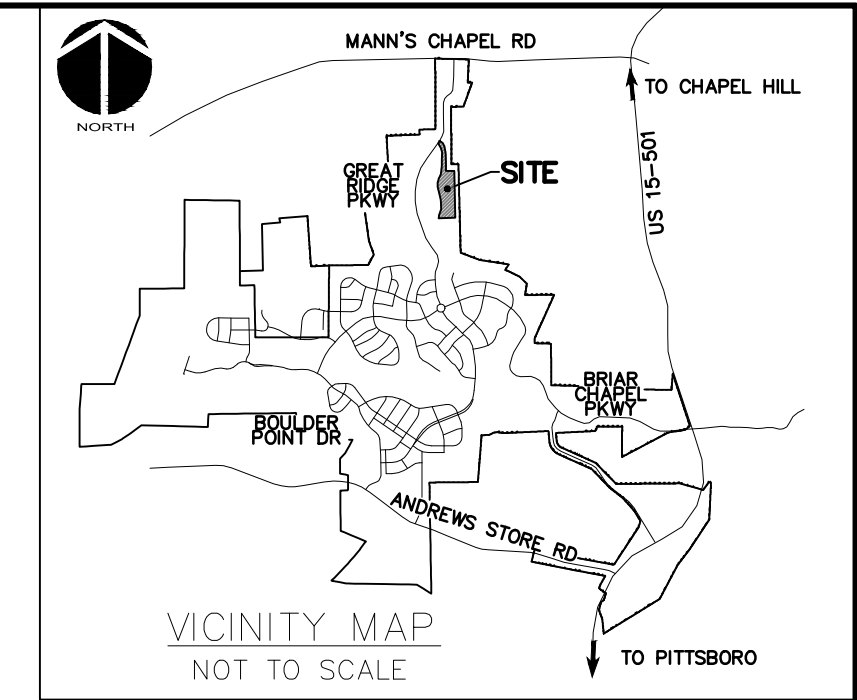


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**BRIAR CHAPEL
 PHASE 13 - SECTION 3
 CHATHAM COUNTY, NORTH CAROLINA
 STAGE 1
 OVERALL GRADING, DRAINAGE AND
 EROSION CONTROL PLAN**

DATE: OCTOBER 23, 2018	SCALE: AS NOTED	MSC FILE NUMBER: C3.1
MCE PROJ. # 02735-0239	HORIZONTAL: AS NOTED	DRAWING NUMBER: C3.0
DRAWN: BSS	VERTICAL: N/A	
DESIGNED: BSS		
CHECKED: GCA		
PROJ. MGR.: CHS		
STATUS: FINAL DRAWINGS FOR REVIEW PURPOSES ONLY	REVISION: 5	



- LEGEND:**
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 - 10' NO BUILD RIPARIAN BUFFER LINE
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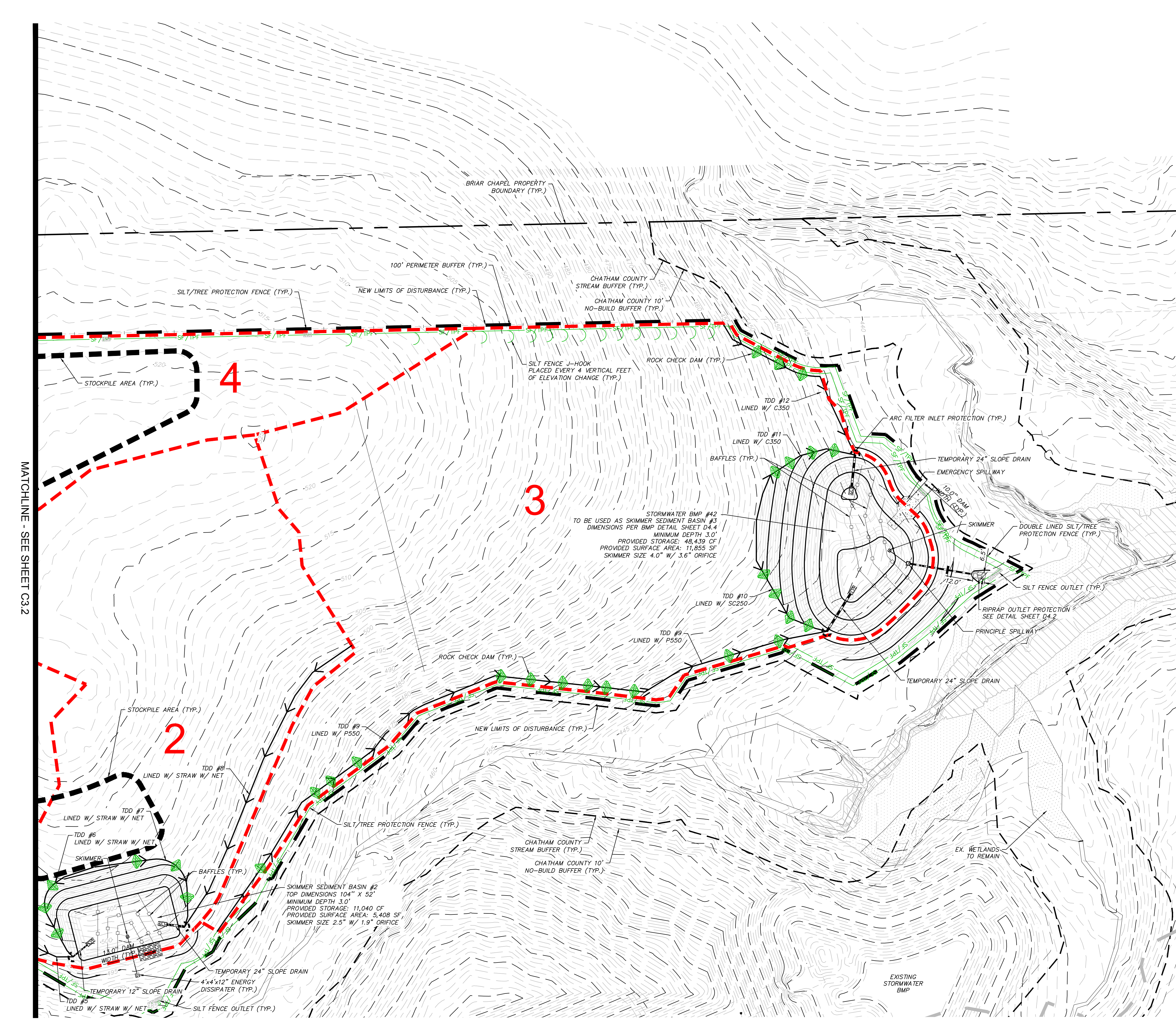
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 PHASE 13 - SECTION 3
 CHATHAM COUNTY, NORTH CAROLINA**

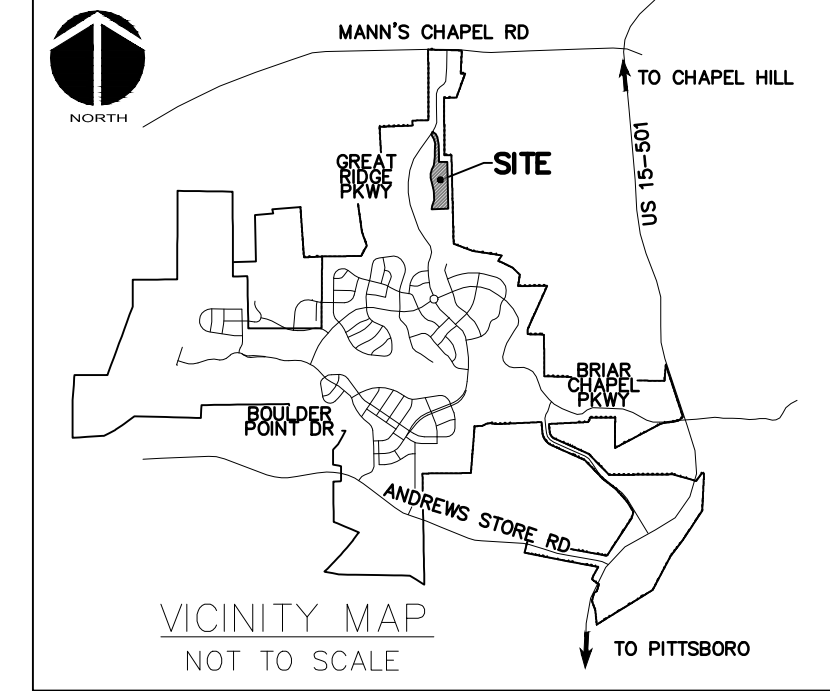
**STAGE 1
 OVERALL GRADING, DRAINAGE AND
 EROSION CONTROL PLAN**

DATE: OCTOBER 23, 2018	SCALE: C3.1	MSC FILE NUMBER: C3.1
MCE PROJ. # 02735-0239	HORIZONTAL: AS NOTED	DRAWING NUMBER:
DRAWN: BSS	VERTICAL: C3.1	
DESIGNED: BSS		
CHECKED: GCA		
PROJ. MGR.: CHS		
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CALL N.C. ONE CALL CENTER BEFORE YOU DIG
STOP
 1-800-632-4949
 AVOID UTILITY DAMAGE

NORTH

60' 0 60' 120'
 SCALE: 1"=60' (Horiz.)

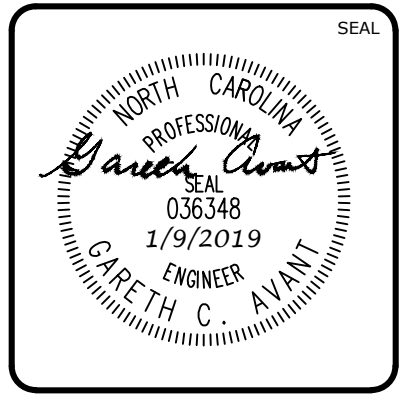
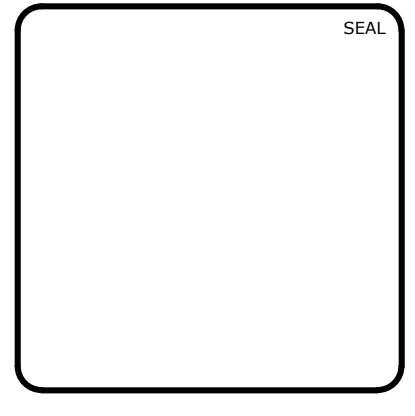
- STAGE 1 CONSTRUCTION SEQUENCE:**
- THE INTENT OF THE CONSTRUCTION SEQUENCE IS TO PROVIDE THE CONTRACTOR WITH A GENERAL GUIDE FOR CONSTRUCTION PURPOSES. THIS SEQUENCE IS NOT INTENDED TO OUTLINE ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.
 - ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CHATHAM COUNTY SOIL EROSION AND SEDIMENTATION CONTROL ORDINANCE.
 - ALL EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER RAINFALL EVENTS. NEEDED REPAIRS SHALL BE MADE IMMEDIATELY.
 - 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.
 - CONTRACTOR SHALL ESTABLISH GROUND COVER 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.
 - CONTRACTOR SHALL ARRANGE PRE-CONSTRUCTION MEETING WITH THE OWNER'S REPRESENTATIVE, ENGINEER AND CHATHAM COUNTY.
 - OBTAIN LETTER OF PLAN APPROVAL FOR SEDIMENTATION AND EROSION CONTROL FROM CHATHAM COUNTY SOIL EROSION & SEDIMENTATION CONTROL.
 - CONTRACTOR TO POST EROSION CONTROL PERMIT PROMINENTLY ON SITE AT ALL TIMES.
 - 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 'NC ONE CALL' TO HAVE UTILITIES LOCATED.
 - CONTRACTOR TO HAVE A PROFESSIONAL LAND SURVEYOR FLAG PROPERTY LINES, EASEMENTS, LANDSCAPE BUFFERS, STREAM BUFFERS, TREE PROTECTION AREAS AND LIMITS OF DISTURBANCE.
 - INSTALL TEMPORARY CONSTRUCTION ENTRANCES.
 - INSTALL TREE PROTECTION FENCING AND SILT FENCING AS SHOWN AND DETAILED ON PLAN. TIMBER ONLY AS NECESSARY TO INSTALL THESE DEVICES.
 - CONSTRUCT TEMPORARY SKIMMER SEDIMENT BASINS & TEMPORARY SEDIMENT TRAPS TO THE REQUIRED DIMENSIONS AND ELEVATIONS AS DETAILED IN THESE PLANS. GRUB ONLY AS NECESSARY TO INSTALL THE BASINS. MATERIAL EXCAVATED DURING THE CONSTRUCTION OF SEDIMENT 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.
 - PLUG LOW FLOW ORIFICE OF SEDIMENT BASIN #1 (BMP #41) AND LOW FLOW AND SECONDARY ORIFICE OF SEDIMENT BASIN #3 (BMP #42) WITH PLYWOOD AND CONSTRUCTION ADHESIVE THROUGHOUT STAGE 1 AND STAGE 2 GRADING ACTIVITIES IN ORDER TO ACHIEVE THE REQUIRED SURFACE AREA AND STORAGE VOLUME.
 - INSTALL BAFFLES PER PLAN. SEED AND MULCH SIDE SLOPES OF SEDIMENT BASINS UPON COMPLETION. INSTALL BIODEGRADABLE MATTING ON SIDE SLOPES OF BASINS IF NECESSARY TO ESTABLISH COVER.
 - CONSTRUCT DIVERSION DITCHES AS SHOWN AND DETAILED IN THESE PLANS. SEED, MULCH AND INSTALL REQUIRED LINERS IN THESE DITCHES. INSTALL CHECK DAMS AND/OR WATTLES IN DITCHES AS SHOWN AND DETAILED ON PLANS. CLEAR ONLY AS NECESSARY TO INSTALL THESE EROSION CONTROL MEASURES.
 - CONTACT CHATHAM COUNTY SOIL EROSION & SEDIMENTATION AT 919-545-8339 AND ENGINEER UPON COMPLETION OF INITIAL EROSION CONTROL MEASURES.
 - ONCE TEMPORARY SKIMMER SEDIMENT BASINS AND DIVERSION DITCHES HAVE BEEN INSTALLED, GRUB WITHIN DELINEATED DRAINAGE AREAS ASSOCIATED WITH THE INSTALLED TEMPORARY SKIMMER SEDIMENT BASINS.
 - CONTRACTOR SHALL STRIP TOPSOIL AND STORE AT DESIGNATED LOCATION. PROVIDE SILT FENCE AROUND PERIMETER OF SLOPE OF ANY STOCKPILE LOCATIONS. CONTRACTOR SHALL REMOVE ALL ROOT MATTER AND ORGANICS FROM WITHIN THE CLEARING LIMITS.
 - AFTER COMPLETION OF CLEARING AND GRUBBING, THE SITE SHALL BE TEMPORARILY STABILIZED EXCEPT IN AREAS OF ACTIVE CUT/FILL. ACTIVE AREAS SHOULD NOT EXCEED 15 ACRES AT ONE TIME.
 - BEGIN ROUGH GRADING WITHIN CLEARING LIMITS, INCLUDING GRADING FOR PERMANENT WET DETENTION POND.
 - 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.
 - PERFORM SEEDING AND MULCHING AS REQUIRED IN ACCORDANCE WITH THE PLANS.
 - ONCE GROUND COVER 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.

MATCHLINE - SEE SHEET C32

REV. NO.	DESCRIPTIONS	DATE
5	REVISIONS PER COUNTY EROSION CONTROL COMMENTS	2019.01.09
4	REVISIONS PER NCDOT COMMENTS	2019.01.07
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DATE: OCTOBER 23, 2018	SCALE: C3.0	MSC FILE NUMBER: C3.0
MCE PROJ. # 02735-0239	HORIZONTAL: AS NOTED	DRAWING NUMBER: C3.2
DRAWN: BSS	VERTICAL: N/A	
DESIGNED: BSS		
CHECKED: GCA		
PROJ. MGR.: CHS		
STATUS: FINAL DRAWINGS FOR REVIEW PURPOSES ONLY	REVISION: 5	