

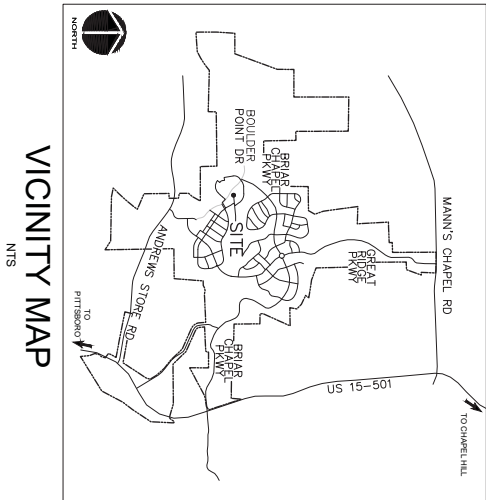
# BRIAR CHAPEL PHASE 9

## PRELIMINARY PLAT SUBMITTAL U.S. HWY 15-501 and MANN'S CHAPEL ROAD CHATHAM COUNTY, NORTH CAROLINA

DATE: OCTOBER 31, 2013

### COUNTY AND AGENCY CONTACTS

- A. Chatham County**  
Planning Department  
Dunlap Building  
80 East Street  
Pittsboro, NC 27312  
(919) 542-8204 phone  
(919) 542-8272 fax  
Email: jason.stewart@chathamnc.org
- B. Chatham County**  
Environmental Services  
Dunlap Building  
80 East Street  
Pittsboro, NC 27312  
(919) 542-0845 phone  
Contact: Dan Lakontag, PE  
Email: dan.lakontag@chathamnc.org
- C. Chatham County**  
Soil Erosion and Sedimentation Control  
Dunlap Building  
80 East Street  
Pittsboro, NC 27312  
(919) 542-8339 phone  
Contact: Robert Dickie  
Email: rdickie@chathamnc.org
- D. Chatham County**  
Public Works  
864 East Street, 2nd Floor, Suite 205  
Pittsboro, NC 27312  
(919) 542-8272 phone  
Contact: Leonard McElyea, III  
Email: leonard.mceleya@chathamnc.org
- E. NCDOT**  
Division 8, District 1  
300 DOT Drive  
P.O. Box 1154  
Asheboro, NC 27204  
(336) 318-4800 phone  
Contact: Jeff Ginn, PE  
Email: jginn@ndot.gov
- F. NCDENR**  
Division of Water Quality  
512 N. Salisbury St.  
Raleigh, NC 27604  
(919) 807-6373 phone  
Contact: Boyd Deane  
Email: boyd.deane@ncdenr.gov
- G. NCDENR**  
Division of Environmental Health  
Public Water Supply Section  
1634 Mail Service Center  
Raleigh, NC 27693-1634  
(919) 707-5074 phone  
Contact: Robert Dickie  
Email: rdickie@ncdenr.gov
- H. NCDENR**  
Division of Water Quality  
Surface Water Protection  
3800 Bechtel Drive  
Raleigh, NC 27609  
(919) 791-4200 phone  
Contact: Darryl Smith  
Email: darryl.smith@ncdenr.gov



### PROJECT DATA

**NAME OF PROJECT:**  
PHASE 9  
CHATHAM COUNTY, NORTH CAROLINA

**OWNER:**  
N&P BRIAR CHAPEL, LLC  
16 WINDY KNOLL CIRCLE  
CHATHAM COUNTY, NC 27609  
PHONE: (919) 951-0700  
FAX: (919) 240-4863  
CONTACT: LEE BOWMAN  
EMAIL: lbowman@newlandco.com

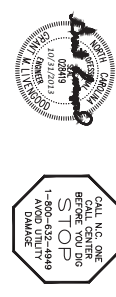
**PREPARED BY:**  
MCKIM & CREED  
1730 VARSITY DRIVE, SUITE 500  
RALEIGH, NORTH CAROLINA 27606  
PHONE: (919) 233-8091  
FAX: (919) 233-8031  
CONTACT: GRANT LIVENGOOD, PE  
EMAIL: gliven@mcckimcreed.com

**PROJECT AREA:** 33.54 AC

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

### SHEET INDEX

C01	COVER SHEET
C10	EXISTING UTILITIES/SUBAREA LAYOUT PLAN
C11	OVERALL SITE PLAN
C12	SITE PLAN
C21	UTILITY PLAN
C22	UTILITY PLAN
C31	STAGE 1 EROSION CONTROL PLAN - SECTION 1
C32	STAGE 1 EROSION CONTROL PLAN - SECTION 2
C33	STAGE 1 EROSION CONTROL PLAN - SECTION 3
C34	GRAVING, DRAINAGE & STAGE 2 EROSION CONTROL PLAN - SECTION 1
C41	PLAN - SECTION 2 - ROAD X - SECTION 1
C42	PLAN & PROFILE ROAD X - ALLEY TK-1
C43	PLAN & PROFILE ROAD Y - ALLEY TK-3, SD OUTFALL
C44	PLAN & PROFILE ROAD U - STA. 10+00 TO 21+50
C45	PLAN & PROFILE ROAD U - STA. 21+50 TO 26+50 - ROAD W
C46	PLAN & PROFILE ALLEY U.W.1, SP & SS OUTFALL
D11	DETAIL SENSOSION AND SEDIMENTATION CONTROL
D12	DETAIL SENSOSION AND SEDIMENTATION CONTROL
D21	DETAIL SENSOSION AND SEDIMENTATION CONTROL
D22	DETAIL SENSOSION AND SEDIMENTATION CONTROL
D23	DETAIL SENSOSION AND SEDIMENTATION CONTROL
D31	DETAIL SENSOSION AND SEDIMENTATION CONTROL
D32	DETAIL SENSOSION AND SEDIMENTATION CONTROL
D41	DETAIL S&MP #14 - SECTION 1
D42	DETAIL S&MP #14 - SECTION 1
D43	DETAIL S&MP #15 - SECTION 2
D44	DETAIL S&MP #15 - SECTION 2
D45	DETAIL S&MP #15 - SECTION 2
D46	DETAIL S&MP #15 - SECTION 2
D47	DETAIL S&MP #16 - SECTION 2
D48	DETAIL S&MP #16 - SECTION 2
D49	STORM DRAINAGE/SANITARY SEWER TABLE



ISSUED FOR CONSTRUCTION







LOT #	AREA (SQ FT)	AREA (AC)	LOT #	AREA (SQ FT)	AREA (AC)
1201	7462.46	0.17	1206	6000.00	0.14
1202	7270.00	0.17	1207	6000.00	0.14
1203	7270.00	0.17	1208	6000.00	0.14
1204	7270.00	0.17	1209	6000.00	0.14
1205	7270.00	0.17	1210	6000.00	0.14
1206	7270.00	0.17	1211	6000.00	0.14
1207	7270.00	0.17	1212	6000.00	0.14
1208	7270.00	0.17	1213	6000.00	0.14
1209	7270.00	0.17	1214	6000.00	0.14
1210	7270.00	0.17	1215	6000.00	0.14
1211	7270.00	0.17	1216	6000.00	0.14
1212	7270.00	0.17	1217	6000.00	0.14
1213	7270.00	0.17	1218	6000.00	0.14
1214	7270.00	0.17	1219	6000.00	0.14
1215	7270.00	0.17	1220	6000.00	0.14
1216	7270.00	0.17	1221	6000.00	0.14
1217	7270.00	0.17	1222	6000.00	0.14
1218	7270.00	0.17	1223	6000.00	0.14
1219	7270.00	0.17	1224	6000.00	0.14
1220	7270.00	0.17	1225	6000.00	0.14
1221	7270.00	0.17	1226	6000.00	0.14
1222	7270.00	0.17	1227	6000.00	0.14
1223	7270.00	0.17	1228	6000.00	0.14
1224	7270.00	0.17	1229	6000.00	0.14
1225	7270.00	0.17	1230	6000.00	0.14
1226	7270.00	0.17	1231	6000.00	0.14
1227	7270.00	0.17	1232	6000.00	0.14
1228	7270.00	0.17	1233	6000.00	0.14
1229	7270.00	0.17	1234	6000.00	0.14
1230	7270.00	0.17	1235	6000.00	0.14
1231	7270.00	0.17	1236	6000.00	0.14
1232	7270.00	0.17	1237	6000.00	0.14
1233	7270.00	0.17	1238	6000.00	0.14
1234	7270.00	0.17	1239	6000.00	0.14
1235	7270.00	0.17	1240	6000.00	0.14
1236	7270.00	0.17	1241	6000.00	0.14
1237	7270.00	0.17	1242	6000.00	0.14
1238	7270.00	0.17	1243	6000.00	0.14
1239	7270.00	0.17	1244	6000.00	0.14
1240	7270.00	0.17	1245	6000.00	0.14
1241	7270.00	0.17	1246	6000.00	0.14
1242	7270.00	0.17	1247	6000.00	0.14
1243	7270.00	0.17	1248	6000.00	0.14
1244	7270.00	0.17	1249	6000.00	0.14
1245	7270.00	0.17	1250	6000.00	0.14
1246	7270.00	0.17	1251	6000.00	0.14
1247	7270.00	0.17	1252	6000.00	0.14
1248	7270.00	0.17	1253	6000.00	0.14
1249	7270.00	0.17	1254	6000.00	0.14
1250	7270.00	0.17	1255	6000.00	0.14

**LEGEND**

ROADWAY CENTERLINE

LOT LINE

CHATHAM COUNTY STREAM BUFFER

10' NO BUILD ZONE BUFFER

4' HOA EQUIPMENT

4' PRIVATE UTILITY EASEMENT

BMP MAINTENANCE & ACCESS EASEMENT

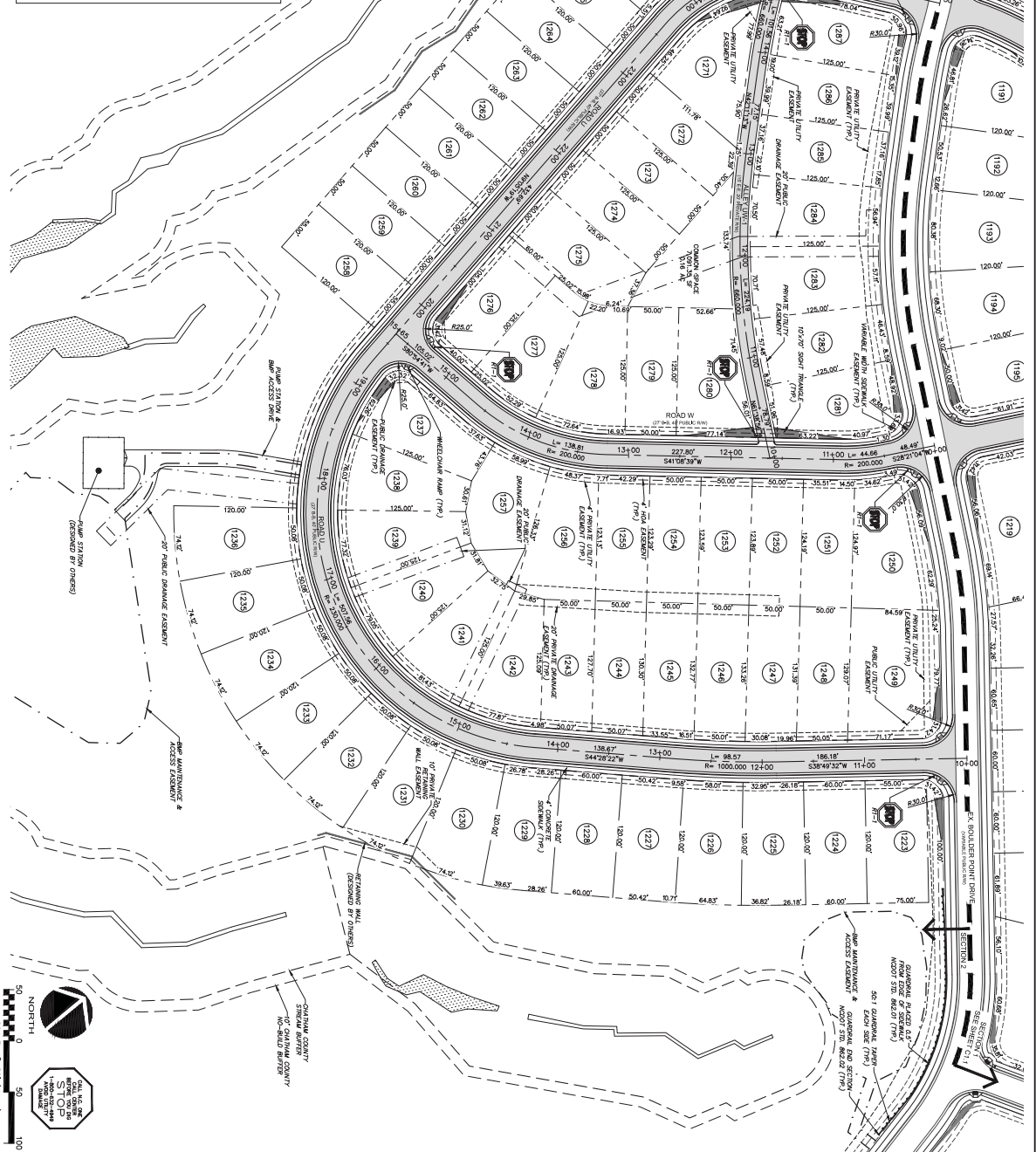
SIGN

SURVEY EASEMENT

ENGINEING METELAGS

10'x10' SIGN TRIANGLE

NEW ROADWAY PAVEMENT



NO.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION	SEPTEMBER 2013
2	REVISIONS	
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		



**McKIM & CREED**

1730 Warden Drive, Suite 500  
Raleigh, North Carolina 27606  
F-1222 (1/19/2013) (REV. 1/13/2013)

www.mckimandcreed.com

**BRAR & CHAPPEL**

North Carolina

**BRAR CHAPEL**

PHASE 9 - SECTION 2

CHATHAM COUNTY, NORTH CAROLINA

SITE PLAN

DATE: SEPTEMBER 2013

SCALE: CR 101

CONSTRUCTION: C1.2

ISSUED FOR CONSTRUCTION: A





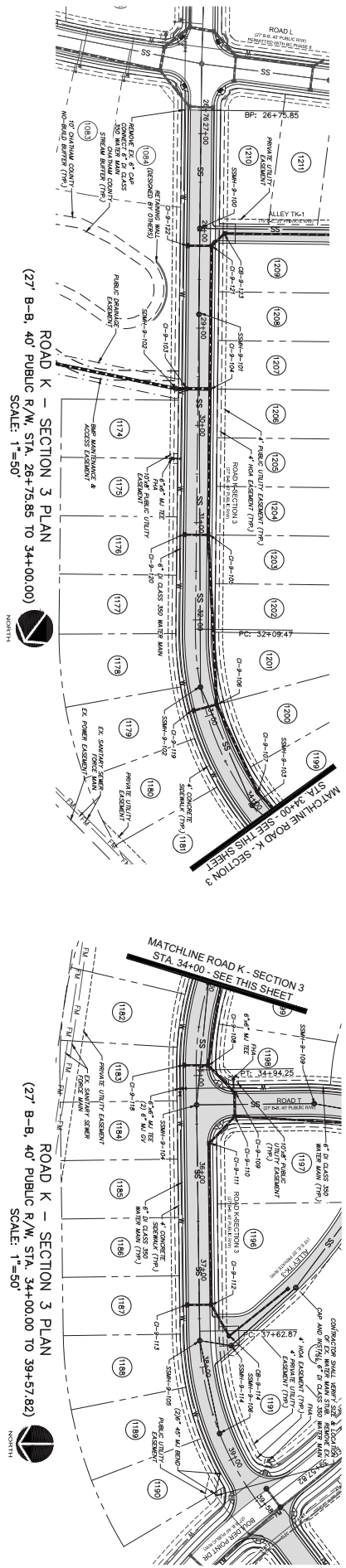






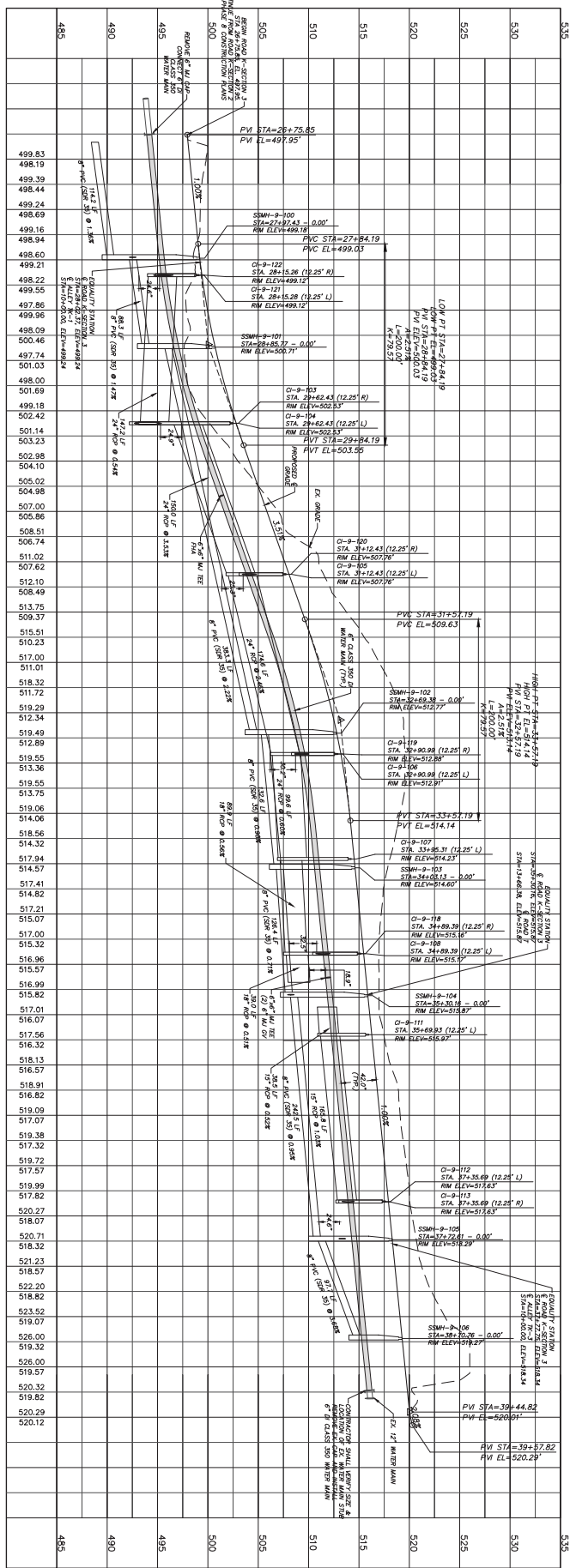






ROAD K - SECTION 3 PLAN  
 (27' B-B, 40' PUBLIC R/W, STA. 26+75.85 TO 34+00.00)  
 SCALE: 1"=50'

ROAD K - SECTION 3 PLAN  
 (27' B-B, 40' PUBLIC R/W, STA. 34+00.00 TO 39+57.82)  
 SCALE: 1"=50'



ROAD K - SECTION 3 PROFILE  
 (27' B-B, 40' PUBLIC R/W, STA. 26+75.85 TO 39+57.82)  
 SCALE: (HORIZ.) 1"=50'; (VERT.) 1"=5'

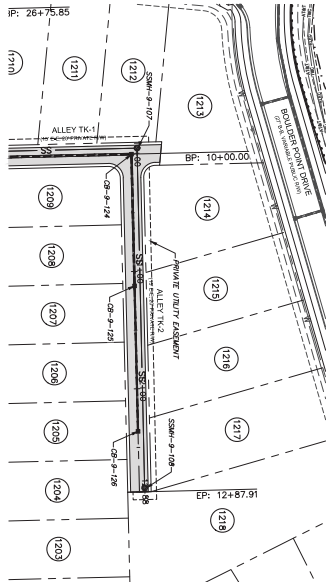
DATE: SEPTEMBER 3, 2011	SCALE: HORIZONTAL: 1"=50'
DESIGNED BY: C. J. BROWN	VERTICAL: C4.1
CHECKED BY: J. BROWN	SCALE: AS SHOWN
ISSUED FOR CONSTRUCTION	

BRIAR CHAPEL  
 PHASE 9 - SECTION 1  
 CHATHAM COUNTY, NORTH CAROLINA  
 PLAN & PROFILE  
 ROAD K - SECTION 3  
 STA. 26+75.85 TO STA. 39+57.82

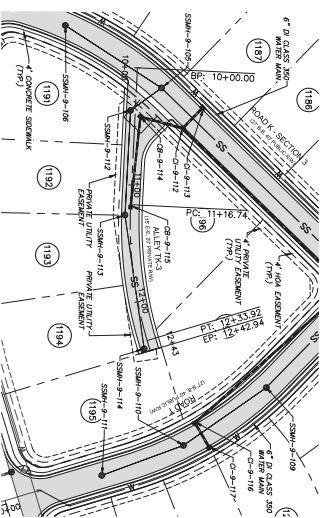
WPKM & CREED  
 1270 Varsity Drive, Suite 500  
 Raleigh, North Carolina 27605  
 F-1222 (570)232-9091 Fax: (919)933-0011  
 www.wpkmandcreed.com

BRIAR CHAPEL  
 Northland Communities

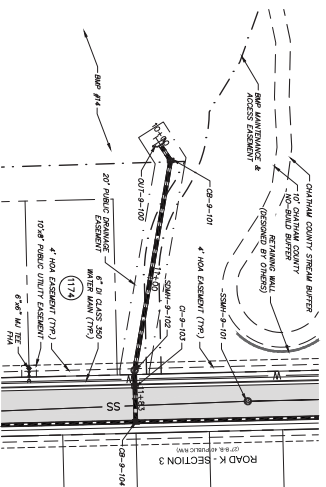




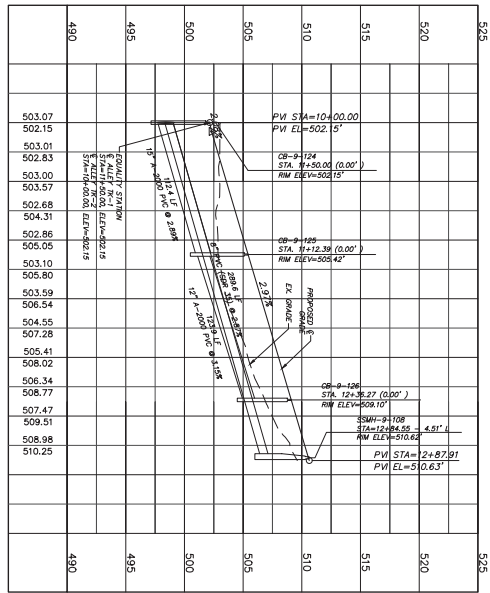
ALLEY TK-2 PLAN  
 (15' E-E, 20' PRIVATE R/W, STA. 10+00.00 TO 12+87.91)  
 SCALE: 1"=50'



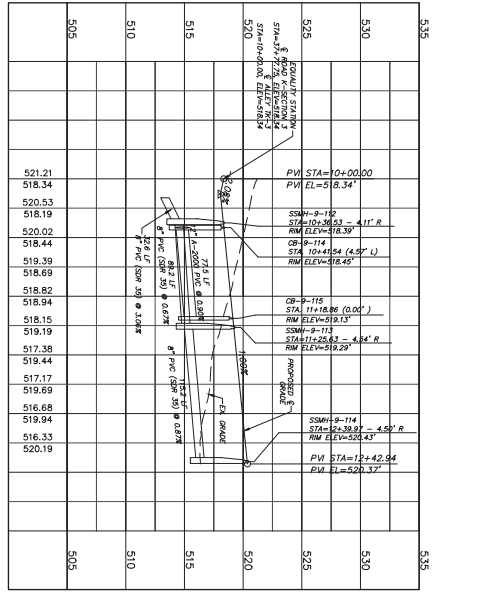
ALLEY TK-3 PLAN  
 (15' E-E, 20' PRIVATE R/W, STA. 10+00.00 TO 12+42.94)  
 SCALE: 1"=50'



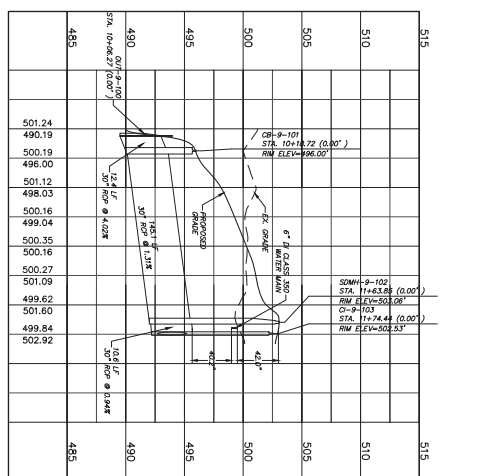
SECTION 1 STORM DRAINAGE OUTFALL  
 (STA. 10+00.00 TO 11+83.14)  
 SCALE: 1"=40'



ALLEY TK-2 PROFILE  
 (15' E-E, 20' PRIVATE R/W, STA. 10+00.00 TO 12+87.91)  
 SCALE: (HORIZ.) 1"=50'; (VERT.) 1"=5'



ALLEY TK-3 PROFILE  
 (15' E-E, 20' PRIVATE R/W, STA. 10+00.00 TO 12+42.94)  
 SCALE: (HORIZ.) 1"=50'; (VERT.) 1"=5'



SECTION 1 STORM DRAINAGE OUTFALL  
 (STA. 10+00.00 TO 11+83.14)  
 SCALE: (HORIZ.) 1"=50'; (VERT.) 1"=5'

NO.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION	10/24/2013

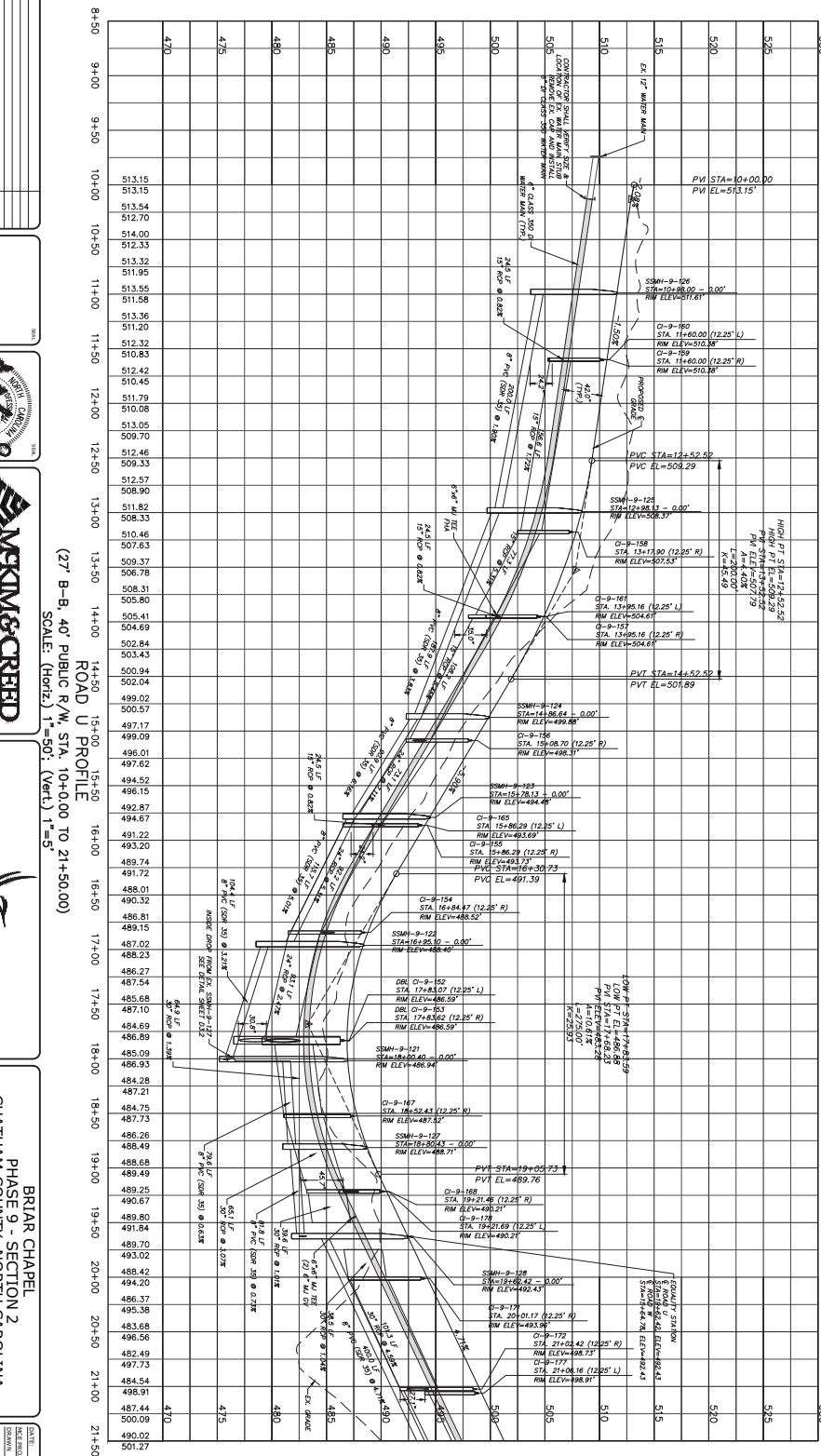
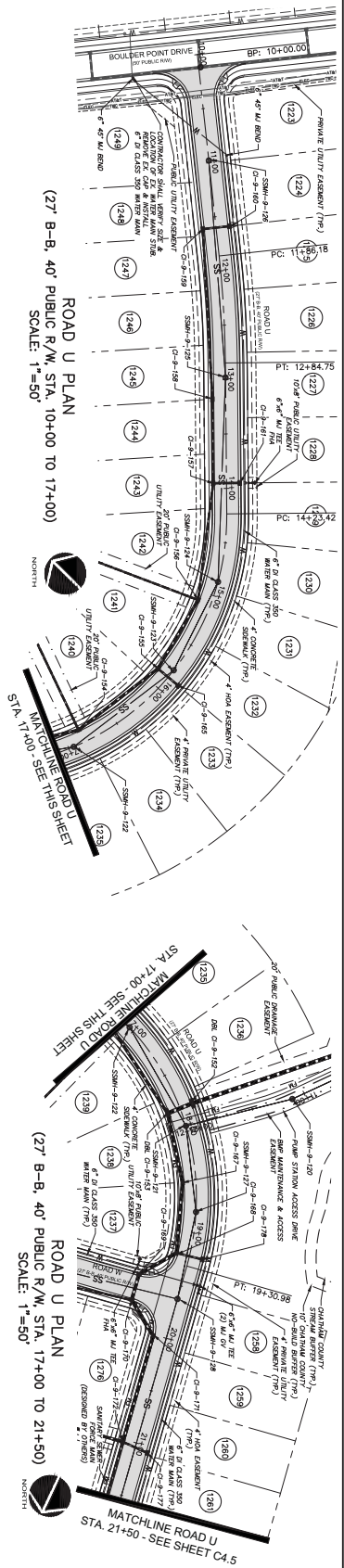


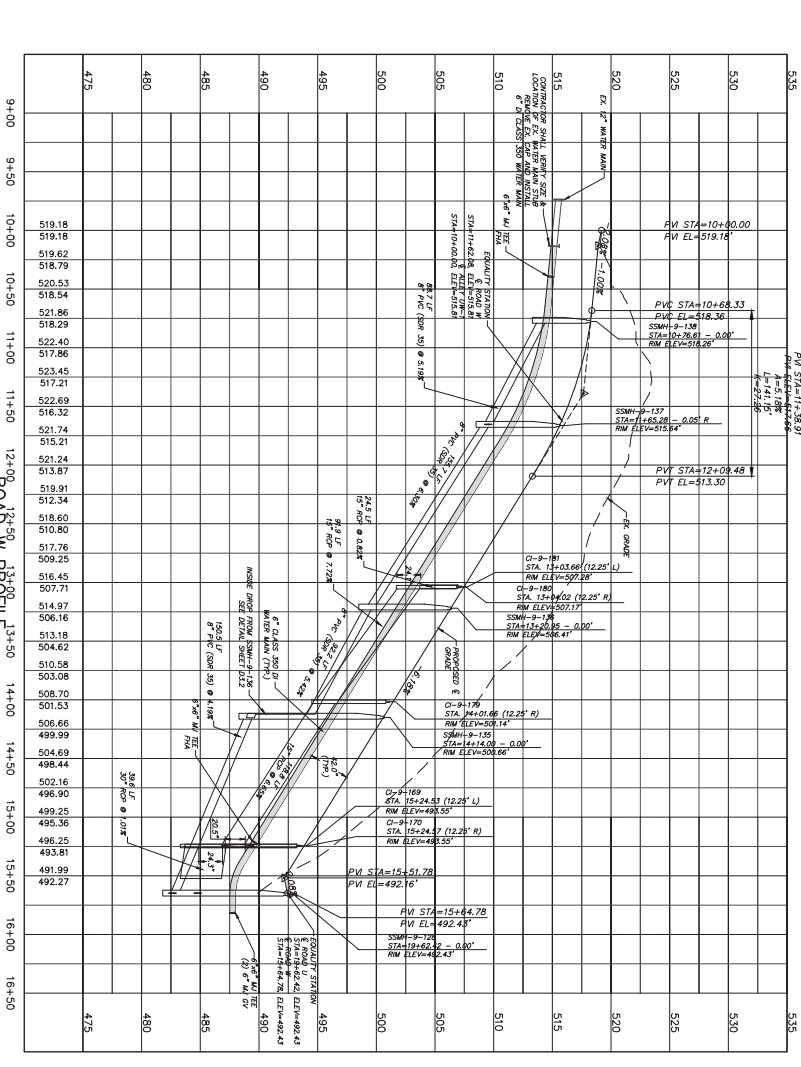
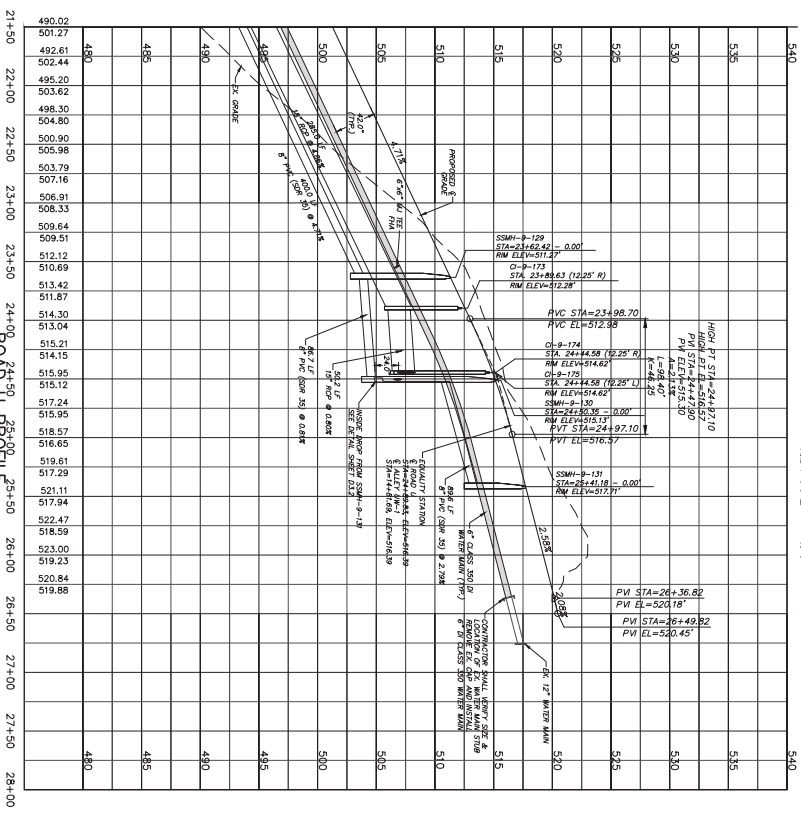
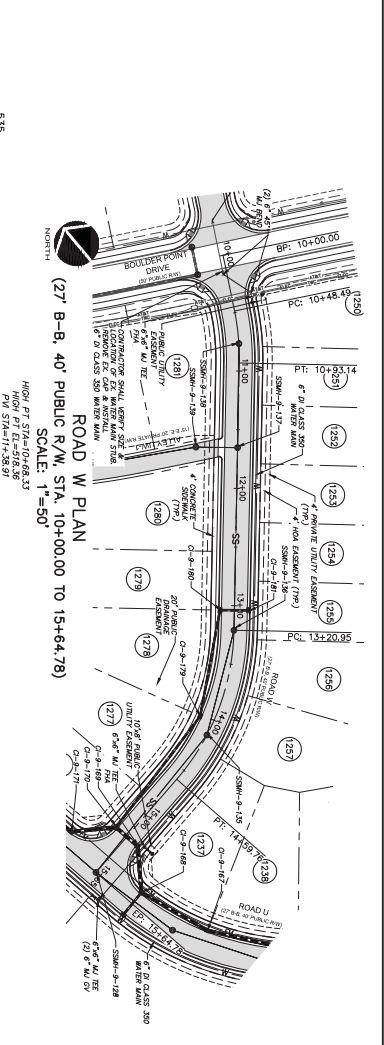
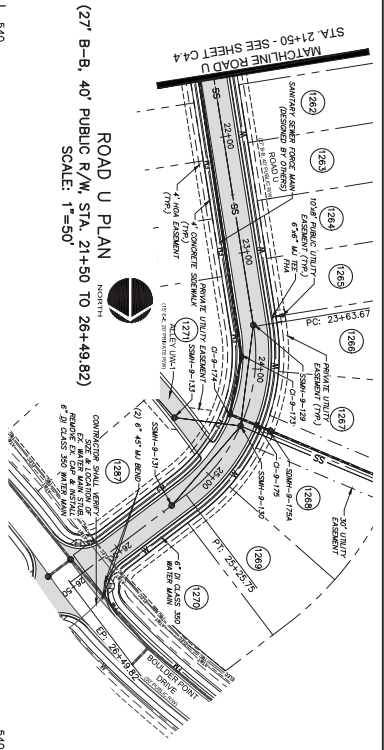
**WPKM&CREED**  
 1270 Varsity Drive, Suite 500  
 Raleigh, North Carolina 27605  
 P: 919.232.9091 Fax: 919.933.4001  
 www.wpkmcreed.com

**BRIAR CHAPEL™**  
 Residential Communities

BRIAR CHAPEL  
 PHASE 9 - SECTION 1  
 CHATHAM COUNTY, NORTH CAROLINA  
 PLAN & PROFILE  
 ALLEY TK-2, ALLEY TK-3  
 STORM DRAINAGE OUTFALL

DATE	REVISION	SCALE
SEPTEMBER 3, 2013	ISSUED FOR CONSTRUCTION	A
OCTOBER 22, 2013	CONSTRUCTION	C4.3
NOVEMBER 1, 2013	CONSTRUCTION	C4.3
DECEMBER 1, 2013	CONSTRUCTION	C4.3
JANUARY 1, 2014	CONSTRUCTION	C4.3
FEBRUARY 1, 2014	CONSTRUCTION	C4.3
MARCH 1, 2014	CONSTRUCTION	C4.3
APRIL 1, 2014	CONSTRUCTION	C4.3
MAY 1, 2014	CONSTRUCTION	C4.3
JUNE 1, 2014	CONSTRUCTION	C4.3
JULY 1, 2014	CONSTRUCTION	C4.3
AUGUST 1, 2014	CONSTRUCTION	C4.3
SEPTEMBER 1, 2014	CONSTRUCTION	C4.3
OCTOBER 1, 2014	CONSTRUCTION	C4.3
NOVEMBER 1, 2014	CONSTRUCTION	C4.3
DECEMBER 1, 2014	CONSTRUCTION	C4.3





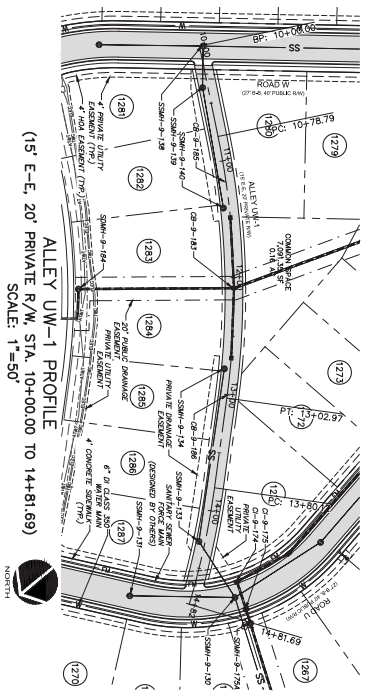
DATE: SEPTEMBER 3, 2013	SCALE: C4 X
DRAWN BY: J. B. BRYAN	SCALE: HORIZONTAL: 1" = 50'
CHECKED BY: J. B. BRYAN	SCALE: VERTICAL: 1" = 5'
DESIGNED BY: J. B. BRYAN	SCALE: PLAN: 1" = 50'
ISSUED FOR CONSTRUCTION	SCALE: PROFILE: 1" = 5'

PHASE 9 - SECTION 2  
CHATHAM COUNTY, NORTH CAROLINA  
ROAD U - STA. 21+50.00 TO STA. 26+49.82  
ROAD W - STA. 10+00.00 TO STA. 15+64.78

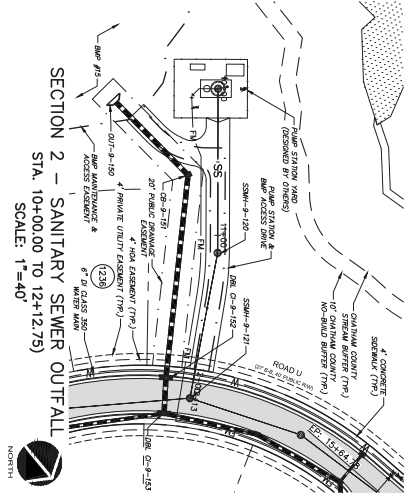
BRIAR & CHAPPEL  
Newland Communities

WPKM & CREED  
1720 Wards Drive, Suite 500  
Raleigh, North Carolina 27605  
P: 919.237.9891, Fax: 919.933.4001  
www.newland.com

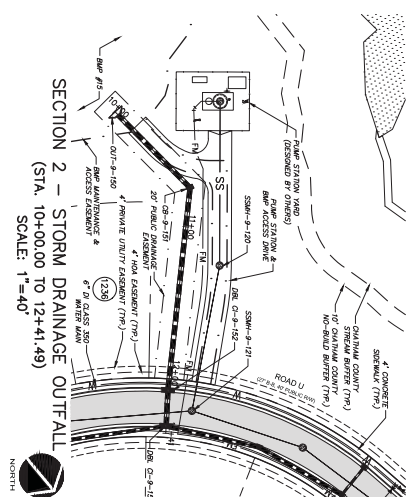




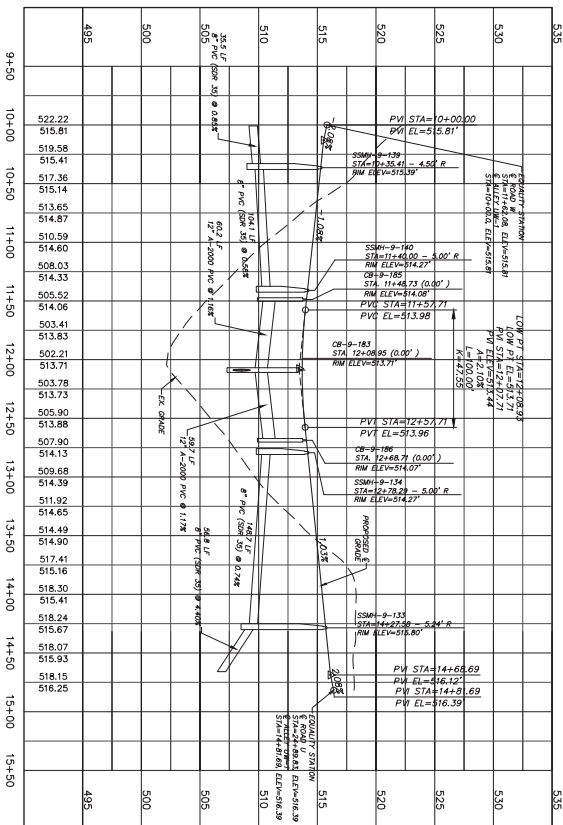
ALLEY UW-1 PROFILE  
 (15' E-E, 20' PRIVATE R/W, STA. 10+00.00 TO 14+81.69)  
 SCALE: 1"=50'



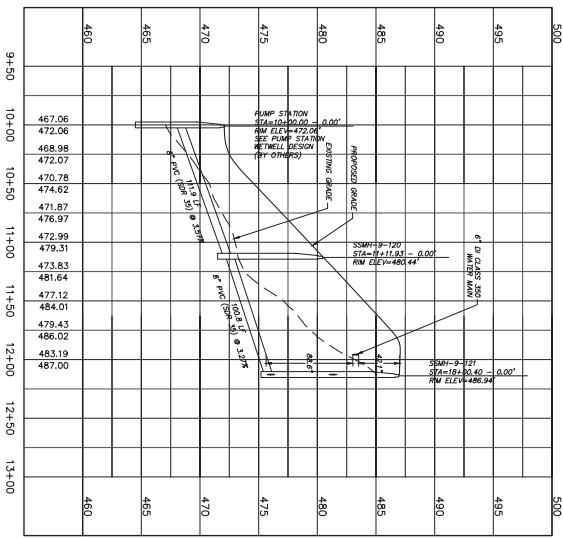
SECTION 2 - SANITARY SEWER OUTFALL  
 STA. 10+00.00 TO 12+12.75  
 SCALE: 1"=40'



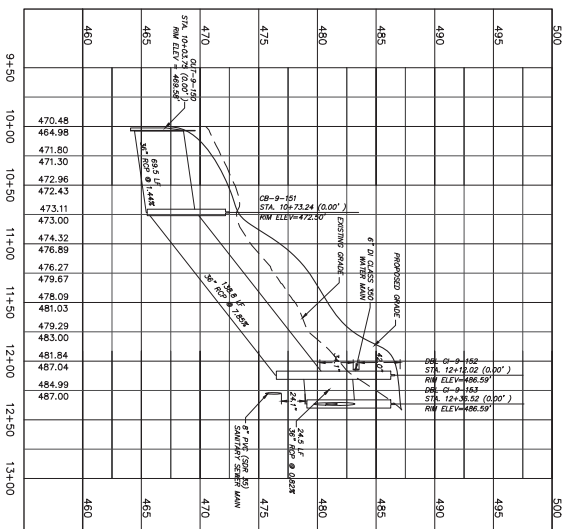
SECTION 2 - STORM DRAINAGE OUTFALL  
 (STA. 10+00.00 TO 12+41.49)  
 SCALE: 1"=40'



ALLEY UW-1 PROFILE  
 (15' E-E, 20' PRIVATE R/W, STA. 10+00.00 TO 14+81.69)  
 SCALE: (Horiz.) 1"=50'; (Vert.) 1"=5'



SECTION 2 - SANITARY SEWER OUTFALL  
 STA. 10+00.00 TO 12+12.75  
 SCALE: (Horiz.) 1"=50'; (Vert.) 1"=5'



SECTION 2 - STORM DRAINAGE OUTFALL  
 (STA. 10+00.00 TO 12+41.49)  
 SCALE: (Horiz.) 1"=50'; (Vert.) 1"=5'

DATE: SEPTEMBER 3, 2013	SCALE: HORIZONTAL: 1"=50'	SCALE: VERTICAL: 1"=5'	SCALE: C4.6
DRAWN BY: CEA	CHECKED BY: CEA	DESIGNED BY: CEA	PROJECT NO: 13-000000
ISSUED FOR CONSTRUCTION	PROJECT NO: 13-000000	PROJECT NAME: CHATHAM COUNTY, NORTH CAROLINA	PROJECT LOCATION: ALLEY UW-1 - STA. 10+00.00 TO STA. 14+81.69
PROJECT NO: 13-000000	PROJECT NAME: CHATHAM COUNTY, NORTH CAROLINA	PROJECT LOCATION: ALLEY UW-1 - STA. 10+00.00 TO STA. 14+81.69	PROJECT LOCATION: SECTION 2 SP & SS OUTFALLS

1270 Varsity Drive, Suite 500  
 Raleigh, North Carolina 27605  
 P: 919.232.8991, Fax: 919.232.4901  
 www.mckimandcreed.com

BRIAR CHAPEL  
 North Carolina





<p>STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.</p>	<p>ENGLISH STANDARD DRAWING FOR <b>CURB RAMP</b> PROPOSED CURB AND GUTTER</p>
---	---

<p>STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.</p>	<p>ENGLISH STANDARD DRAWING FOR <b>CONCRETE CURB, GUTTER AND CURB &amp; GUTTER</b></p>
---	--

<p>STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.</p>	<p>ENGLISH STANDARD DRAWING FOR <b>CURB RAMP</b> PROPOSED CURB AND GUTTER</p>
---	---

<p>STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.</p>	<p>ENGLISH STANDARD DRAWING FOR <b>TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS</b></p>
---	---

<p>STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.</p>	<p>ENGLISH STANDARD DRAWING FOR <b>CURB RAMPS</b></p>
---	---

<p>STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.</p>	<p>ENGLISH STANDARD DRAWING FOR <b>TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS</b></p>
---	---

1730 Varsity Drive, Suite 500  
Raleigh, North Carolina 27606  
F-1222 (01/23/2009) / Rev. (01/29/2009)

**BRIAR CHAPEL**  
Newland Communities

**BRIAR CHAPEL**  
PHASE 9  
CHATHAM COUNTY, NORTH CAROLINA  
NCDOT ROADWAY DETAILS

DATE: SEPTEMBER 3, 2011  
SCALE: HORIZONTAL / VERTICAL  
DRAWN BY: GEA  
CHECKED BY: GNS  
ISSUED FOR CONSTRUCTION: A

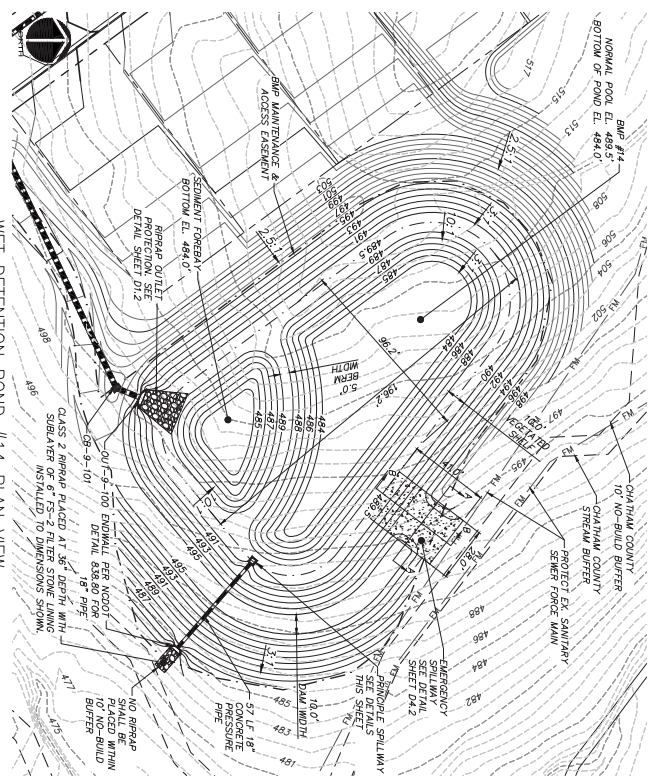




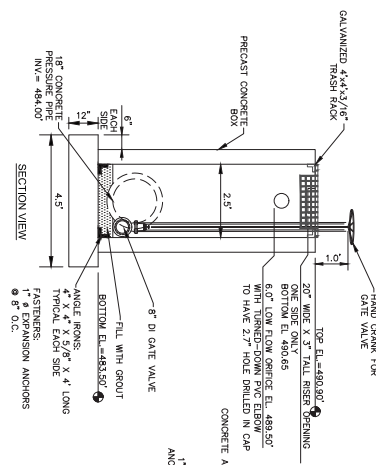




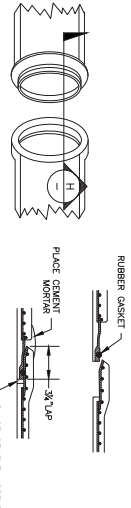
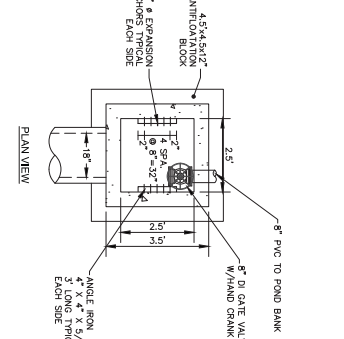




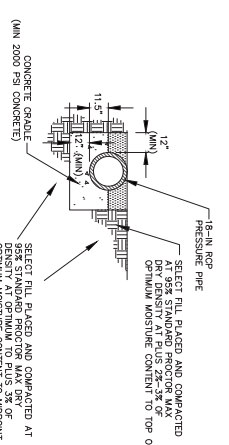
WET DETENTION POND #14 PLAN VIEW  
SCALE = 1" = 30'



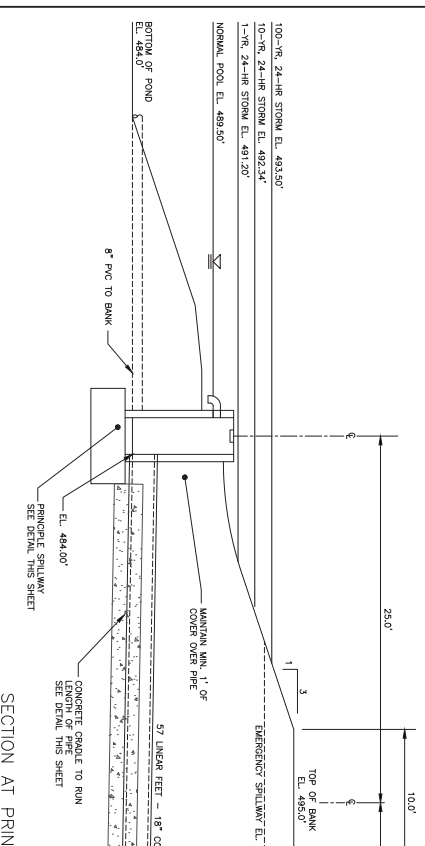
PRINCIPLE SPILLWAY  
SCALE = 1" = 2'



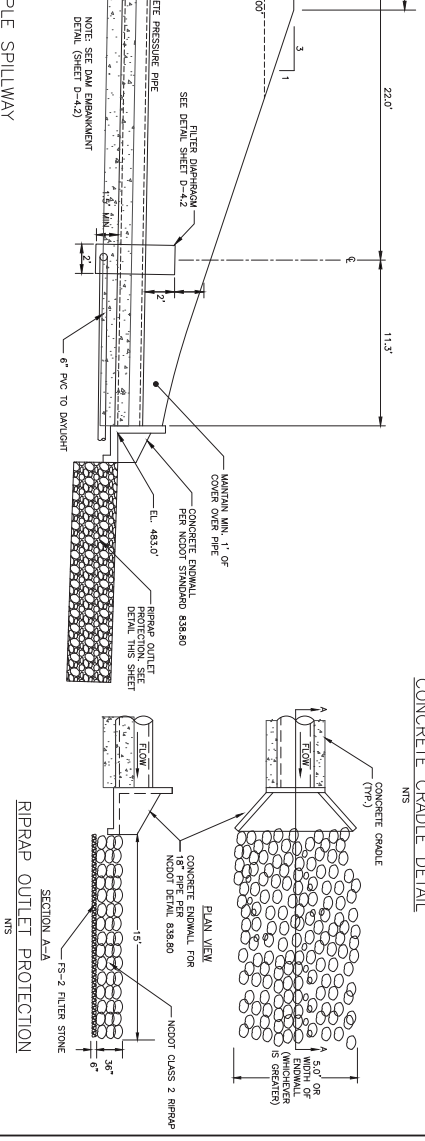
CONCRETE PRESSURE PIPE JOINT DETAIL  
N/S



CONCRETE GRADE DETAIL  
N/S



SECTION AT PRINCIPLE SPILLWAY  
SCALE = 1" = 4'



RIPRAP OUTLET PROTECTION  
N/S

NO.	REVISIONS	DATE
1	ISSUED FOR CONSTRUCTION	02/15/2011



**McKIM & CREED**  
1220 North Drive, Suite 4100  
Baltimore, North Carolina 27606  
Phone: (919)233-8091 Fax: (919)233-8031  
www.mckimandcreed.com

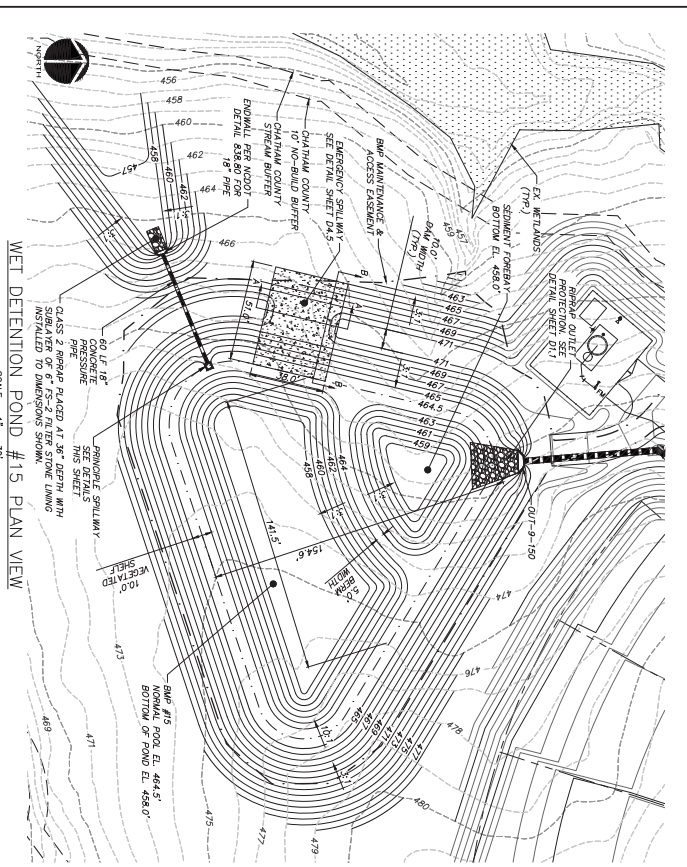
**BRIAR CHAPEL**  
North Carolina

**BRIAR CHAPEL**  
PHASE 9 - SECTION 1  
CHATHAM COUNTY, NORTH CAROLINA  
BMP #14 PLAN & DETAILS

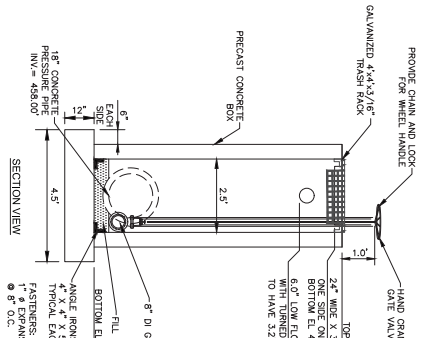
DATE	SCALE	PROJECT NO.
02/15/2011	D4 X	0203-0505
DESIGNED		
CHECKED		
DATE		
SCALE		
PROJECT NO.		
ISSUED FOR CONSTRUCTION		



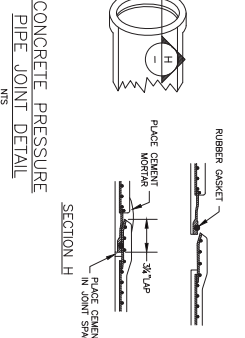
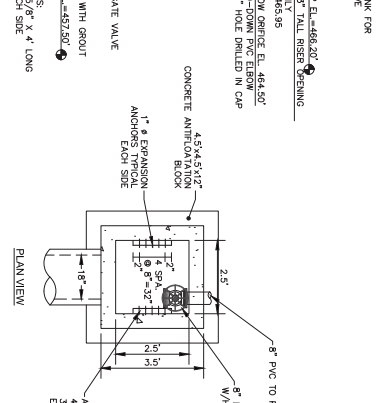




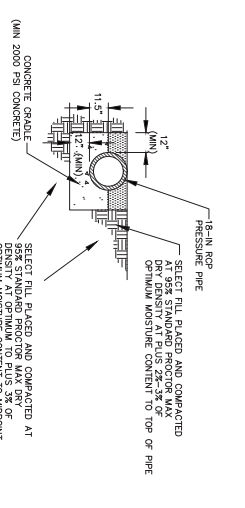
WET DETENTION POND #15 PLAN VIEW  
SCALE = 1" = 30'



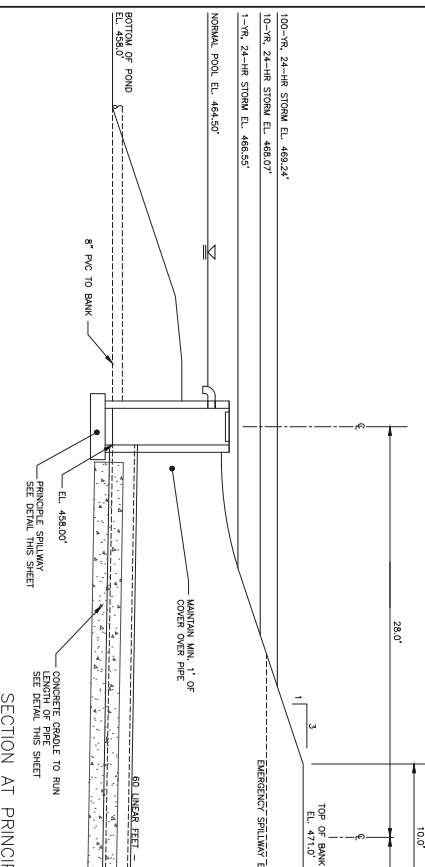
PRINCIPLE SPILLWAY  
SCALE = 1" = 2'



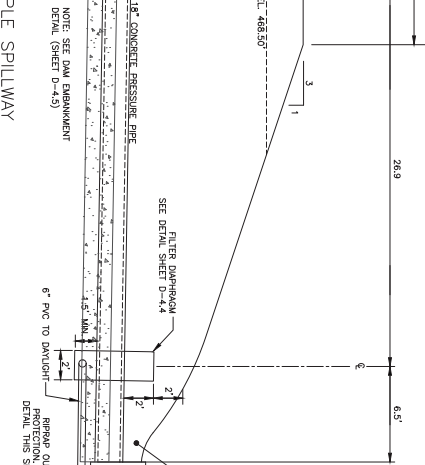
CONCRETE PRESSURE PIPE JOINT DETAIL  
SCALE = 1" = 4'



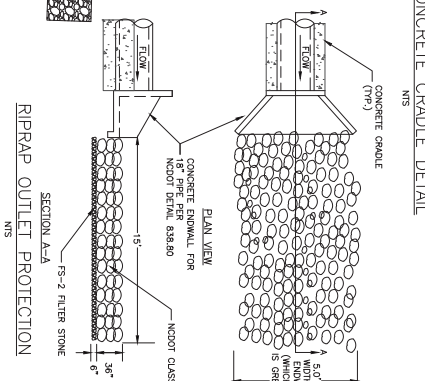
CONCRETE GRADE DETAIL  
SCALE = 1" = 4'



SECTION AT PRINCIPLE SPILLWAY  
SCALE = 1" = 4'



RIPRAP OUTLET PROTECTION  
SCALE = 1" = 4'



PLAN VIEW  
SCALE = 1" = 4'

<p><b>MCKIM &amp; CREED</b> 1231 N. W. Drive, Suite 4100 Raleigh, North Carolina 27606 Phone: (919) 233-8091 Fax: (919) 233-8031 www.mckimcreed.com</p>			
<p><b>BRIAR CHAPEL</b> North Carolina</p>			
<p><b>BRIAR CHAPEL</b> PHASE 9 - SECTION 2 CHATHAM COUNTY, NORTH CAROLINA BMP #15 PLAN &amp; DETAILS</p>			
DATE: 08/28/2013	SCALE: D4 X	DESIGNED: MJA	VERTICAL: A
CHECKED: MJA	SCALE: D4 X	DESIGNED: MJA	VERTICAL: A
ISSUED FOR CONSTRUCTION	SCALE: D4 X	DESIGNED: MJA	VERTICAL: A











