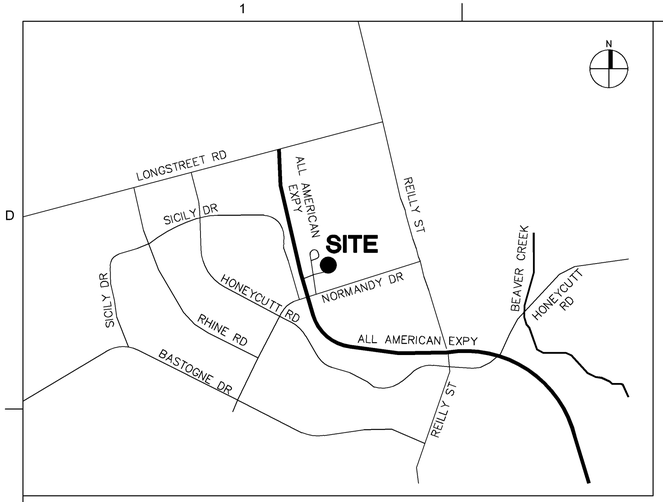

LOCATION MAP

NOT TO SCALE

CIVIL ABBREVIATIONS

BTTM	BOTTOM
BM	BENCHMARK
BMP	EROSION CONTROL BEST MANAGEMENT PRACTICES
BW	BOTH WAYS
CB	CATCH BASIN
CI	CAST IRON
CGP	NPDES CONSTRUCTION GENERAL PERMIT SCR 100000
CL	CENTERLINE
CY	CUBIC YARDS
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DS	DOWNSPOUT
EL	ELEVATION
EXST	EXISTING
EW	EACH WAY
FFE	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FH	FIRE HYDRANT
FIN	FINISHED
FM	FORCE MAIN
GI	GRATE INLET
HDPE	HIGH DENSITY POLYETHYLENE
IAW	IN ACCORDANCE WITH
IE	INVERT ELEVATION
JB	JUNCTION BOX
LF	LINEAR FEET
LP	LIGHT POLE
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
NCDENR	NORTH CAROLINA DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES
NCDOT	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
NOI	NOTICE OF INTENT
NOT	NOTICE OF TERMINATION
NTS	NOT TO SCALE
ONUS	OLD NORTH UTILITY SERVICES, INC.
OC	ON CENTER
ODSA	OPERATOR OF DAY TO DAY SITE ACTIVITIES
PC	POINT OF CURVATURE
PP	POWER POLE
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REQD	REQUIRED
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
R/W	RIGHT OF WAY
SABC	STABILIZED AGGREGATE BASE COURSE
SF	SQUARE FEET
SSMH	SANITARY SEWER MANHOLE
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
S	SEWER
SB	SILT BARRIER
SD	STORM DRAINAGE
SS	SANITARY SEWER SERVICE
STA	STATION
TBM	TEMPORARY BENCH MARK
TC	TOP OF CURB
TG	TOP OF GUTTER
TP	TOP OF PAVEMENT
TYP	TYPICAL
VC	VITRIFIED CLAY
W	WATER
W/	WITH
WS	WATER SERVICE
WV	WATER VALVE

GENERAL NOTES:

1. ALL CONTRACTORS/SUBCONTRACTORS/PERSONS THAT WILL BE ENGAGED IN LAND DISTURBING ACTIVITIES SHALL COMPLY WITH ALL EROSION CONTROL AND STORMWATER POLLUTION PREVENTION REQUIREMENTS CONTAINED THROUGHOUT THE DRAWINGS, SPECIFICATIONS AND PERMITS.
2. ALL ELEVATIONS REFER TO FEET ABOVE MEAN SEA LEVEL, NAVD '88. SURVEY ROTATED TO NC GRID '83 COORDINATES.
3. FROM SCALING THE FEMA MAP PANEL 3700760070C, DATED MAY 5, 2000, THIS SITE IS OUTSIDE OF THE 100 YEAR FLOOD ZONE.
4. THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES PRIOR TO BEGINNING ANY WORK. IF UTILITIES OTHER THAN THOSE SHOWN HEREON ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER IMMEDIATELY AND TAKE APPROPRIATE MEASURES TO PROTECT THE LINE(S) AND ENSURE CONTINUED SERVICE. DAMAGE CAUSED TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE GOVERNMENT. THE CONTRACTOR SHALL VERIFY THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
5. THE CONTRACTOR SHALL INSTALL TREE PROTECTION BARRICADES PRIOR TO BEGINNING EARTHWORK OPERATIONS.
6. OFF-SITE BORROW NECESSARY FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE PROVIDED BY THE CONTRACTOR. CONTRACTOR MAY UTILIZE FORT BRAGG BORROW PIT AS NECESSARY.
7. THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER IF UNSUITABLE MATERIAL IS DISCOVERED PRIOR TO BEGINNING ANY REMOVAL OPERATION.
8. THE CONTRACTOR SHALL PLACE 4" OF TOPSOIL AND GRASS (UNLESS OTHERWISE INDICATED) IN ALL DISTURBED AREAS NOT TO BE PAVED.
9. CONTRACTOR SHALL GRADE ALL AREAS TO DRAIN FOR POSITIVE FLOW PRIOR TO FINAL APPROVAL.
10. THE DESIGN ADEQUACY AND SAFETY OF ALL BRACING, SHORING AND TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
11. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THE SERVICES OF A QUALIFIED GEOTECHNICAL ENGINEER WHO SHALL PERFORM INVESTIGATIONS TO VERIFY THAT ALL WORK IS ACCOMPLISHED IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR GEOTECHNICAL REPORT.
12. ALL UTILITY WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF OLD NORTH UTILITY SERVICES, INC. (ONUS), FT. BRAGG DEPARTMENT OF PUBLIC WORKS (DPW) & NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES (NCDENR). WHERE ANY DISCREPANCIES EXIST BETWEEN THESE DOCUMENTS AND ONUS, DPW & NCDENR REQUIREMENTS, THE MOST STRICT REQUIREMENTS SHALL BE ADHERED TO.
13. THE CONTRACTOR'S MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES IN PERFORMING THE WORK IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR, WHO IS ALSO RESPONSIBLE FOR COMPLYING WITH ALL HEALTH AND SAFETY PRECAUTIONS AS REQUIRED BY ANY REGULATORY AGENCY.
14. IT IS THE CONTRACTORS RESPONSIBILITY FOR DESIGN, ADEQUACY AND IMPLEMENTATION OF ALL DEWATERING. ALL DEWATERING ACTIVITIES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN.
15. ALL PROJECT STAKEOUT SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR TO BE PAID FOR BY THE CONTRACTOR. FOR STAKEOUT, DO NOT RELY SOLELY ON THE PHYSICAL SCALE AS SHOWN IN DRAWINGS. REFER TO THE GIVEN DIMENSIONS, SYMBOL LEGEND, KEYNOTES, AND REFERENCED DETAILS FOR CORRECT STAKEOUT.
16. CONTRACTOR IS RESPONSIBLE FOR ALL WORK SHOWN, UNLESS SPECIFICALLY INDICATED OTHERWISE.
17. CONTRACTOR SHALL CONTACT N.C. ONE CALL SERVICE (1-800-632-4949) AND DPW FACILITIES MAINTENANCE DIVISION (1-910-396-0321) PRIOR TO ANY WORK. CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING AND PROTECTING ALL UTILITIES. CONTACT THE CONTRACTING OFFICER IN THE EVENT THAT UTILITIES CONFLICT WITH NEW FACILITIES.
18. CONTRACTOR SHALL PROVIDE ACCESSIBLE ROUTE TO SPORTS FACILITIES FOR STUDENTS & STAFF. SEE SHEET A003 FOR EGRESS ROUTES.
19. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY AND PERMANENT SEEDING IAW THE SPECIFICATIONS AND DETAIL F/C710.
20. ALL REQUIRED UTILITY SHUTDOWNS SHALL BE DONE AFTER SCHOOL HOURS.

SEDIMENT AND EROSION CONTROL SHALL BE STRICTLY ENFORCED

TRAFFIC CONTROL NOTES

1. CONTRACTOR SHALL COORDINATE ALL TRAFFIC CONTROL MEASURES WITH FT. BRAGG AND ALBRITTON JR. HIGH SCHOOL PRINCIPAL. COORDINATION SHALL OCCUR ON A WEEKLY BASIS AND MORE FREQUENTLY AS REQUIRED. CONTRACTOR SHALL SUBMIT A DETAILED TRAFFIC CONTROL PLAN TO FT. BRAGG AND ALBRITTON JR. HIGH SCHOOL PRINCIPAL FOR THEIR APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
2. ALL TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
3. SITE DISTANCE VISIBILITY AT ALL EXITS AND/OR ENTRANCES SHALL BE MAINTAINED IN ACCORDANCE WITH NCDOT'S STANDARD SPECIFICATIONS.

STABILIZATION NOTES

1. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND FOURTEEN DAYS (14) AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

LIST OF DRAWINGS

SHEET	TITLE	ISSUED	REVISED
C-001	CIVIL NOTES & ABBREVIATIONS	12/21/2009	
C-002	BASE MAP	12/21/2009	
C-003	EXISTING SURVEY	12/21/2009	
C-100	EXISTING SITE & DEMOLITION PLAN	12/21/2009	
C-101	EXISTING SITE & DEMOLITION PLAN	12/21/2009	
C-102	EXISTING SITE & DEMOLITION PLAN	12/21/2009	
C-200	SITE IMPROVEMENTS PLAN	12/21/2009	
C-201	SITE IMPROVEMENTS PLAN	12/21/2009	
C-202	SITE IMPROVEMENTS PLAN	12/21/2009	
C-300	GRADING & STORM DRAINAGE PLAN	12/21/2009	
C-301	GRADING & STORM DRAINAGE PLAN	12/21/2009	
C-310	BORING LOGS	12/21/2009	
C-400	WATER & SEWER UTILITY SERVICE PLAN	12/21/2009	
C-620	CIVIL DETAILS SITE	12/21/2009	
C-621	CIVIL DETAILS SITE	12/21/2009	
C-630	CIVIL DETAILS - STORM DRAINAGE	12/21/2009	
C-631	CIVIL DETAILS - STORM DRAINAGE	12/21/2009	
C-700	SITE EROSION CONTROL PLAN	12/21/2009	
C-701	SITE EROSION CONTROL PLAN	12/21/2009	
C-702	SITE EROSION CONTROL PLAN	12/21/2009	
C-703	SOIL & SURFACE DRAINAGE PLAN	12/21/2009	
C-710	CIVIL DETAILS - EROSION CONTROL	12/21/2009	
C-720	SWPPP/ EROSION CONTROL NOTES	12/21/2009	
C-721	SWPPP/ EROSION CONTROL NOTES	12/21/2009	
L-101	PLAZA LAYOUT PLAN	12/21/2009	
L-102	LANDSCAPE PLAN	12/21/2009	
L-501	LANDSCAPE SCHEDULE & DETAILS	12/21/2009	

DESIGN CERTIFICATION:

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2009 STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL OR CURRENT REVISIONS THEREOF, AND DEPARTMENT OF THE ENVIRONMENT STORMWATER MANAGEMENT REGULATIONS.

12/21/09
DATE

DESIGNER'S SIGNATURE

NC REGISTRATION NO.
027779 P.E.

LAWRENCE BARTHELEMY, IV
PRINTED NAME

SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE
LAWRENCE BARTHELEMY, IV				
PRINTED NAME	PRINTED NAME	PRINTED NAME	PRINTED NAME	PRINTED NAME
PROJECT ENGINEER	PROJECT MANAGER	USACE REVIEWER	ENVIRONMENTAL COMPLIANCE	WATER MANAGEMENT BRANCH

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED AND APPROVED BY ME AND THAT I AM A DULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NORTH CAROLINA.

CIVIL ENGINEERING
STRUCTURAL ENGINEERING
ROOFING AND WATERPROOFING CONSULTING
LAND PLANNING AND LANDSCAPE ARCHITECTURE
1226 YEAMANS HALL RD. HANAHAN, SC 29410 843.566.0161(PH) 843.566.0162(FX)

NORTH CAROLINA PROFESSIONAL SEAL 027779 ENGINEER LAWRENCE K. BARTHELEMY, IV

US ARMY CORPS OF ENGINEERS SAVANNAH

BY	DATE	DESCRIPTION	SYMBOL

DESIGNED BY: JDG
DWN BY: LKB
CKD BY: CBC
JDG
SUBMITTED BY: LKB
FILE NAME: BRHC-001.DWG
SIZE: 24x22
DATE: 25 JAN 2010
SOLICITATION NO.: W912HN-09-R-0018
CONTRACT NO.:
CATEGORY CODE: 730-46-01
PLOT DATE:
PLOT SCALE: NOT TO SCALE

U. S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS SAVANNAH DISTRICT

LS3P ASSOCIATES LTD. 205 ½ KING STREET CHARLESTON, SC. 29401

ALBRITTON JUNIOR HIGH SCHOOL ADDITION
FT BRAGG NORTH CAROLINA

CIVIL NOTES & ABBREVIATIONS

PLATE REFERENCE NUMBER C-001
SHEET 3