



HAYWOOD COUNTY
BOARD OF COMMISSIONERS

AGENDA REQUEST

**Must be presented to the County Manager's Office
NO LATER THAN 5 P.M. FRIDAY THE WEEK BEFORE THE MEETING**

DATE OF REQUEST: February 2, 2016

FROM: Brek Lanning, HCC Director Campus Development

MEETING DATE REQUESTED: February 15, 2016
Regular meetings: First (1st) Monday of the month at 9:00 am
Third (3rd) Monday of the month at 5:30 pm

SUBJECT: HCC Public Services Training Facility Project

REQUEST: Approval of "SCO Field Order #1" in the amount not to exceed \$94,000 for the purpose of removing unsuitable soils and installing added erosion control measures to be paid from Project Contingency.

BACKGROUND: The HCC Administration is requesting that the BOCC approve "SCO Field Order #1" in the amount not to exceed \$94,000. Unsuitable soils were anticipated on the Project Site but quantities were unknown. A third party Soils Engineer has been onsite during the grading phase of the project identifying areas of unsuitable soils and has prepared a soils report. Per "SCO Field Order #1" a third party Soils Engineer will be present during the work associated with "SCO Field Order #1" to field verify actual quantities to be removed and replaced per the soils report. This item will be paid from the Project Contingency which has a current balance of \$358,740. The HCC Board of Trustees reviewed and approved "SCO Field Order #1" on February 1st, 2016.

IMPLEMENTATION PLAN:

FINANCIAL IMPACT STATEMENT:

SUPPORTING ATTACHMENTS: YES NO HOW MANY? 2

LIST: SCO Field Order #1
Backup Documentation to Field Order #1

If yes, one ORIGINAL ATTACHMENT, and 14 copies, copied front and back side of pages, stapled and three-hole punched must accompany the agenda request

PowerPoint Presentation: YES NO

PERSON MAKING PRESENTATION AT MEETING: Brek Lanning
TITLE: Director, Campus Development
PHONE NUMBER: 565-4027
E-MAIL: bwlanning@haywood.edu

Scott Donald
TITLE: Architect for Project, PFA ARCHITECTS
PHONE NUMBER: 828-254-1963
E-MAIL: sdonald@pfarchitects.com

THIS SECTION FOR OFFICE USE ONLY

Received (Date/Time): _____

County Manager / Clerk to the Board Comments: _____

In an effort to save paper, attachments should be copied on both front and back sides.

State Construction Office

Field Order # 001

Project:
HCC Public Services
Training Facility

Location:
Clyde, NC

Project ID:
13-10405-01A

Description of Change:

Unsuitable Soils removal and installation added of erosion control measure.

Justification of Change:

Unsuitable soils were anticipated but quantities were unknown. Quantities of actual unsuitable soils removed and replaced with new materials per the soils report in the specifications to be field verified by soils Engineer.

CONTRACTOR:

A total cost change not to exceed a unit cost of See Attached Unit Prices with backup extended using estimated quantities to not exceed is \$94,000. The contractor will need a maximum number of TBD if required days-time extension to the contract. The actual cost, not to exceed stated cost, shall be based on a realistic estimate based on current acceptable market values submitted with change order for approval by designer, owner, and State Construction Office.

DESIGNER:

The quoted price and need for the change are in the best interests of the owner to have the work accomplished. A formal change order will be prepared for contractor's signature within seven (7) days.

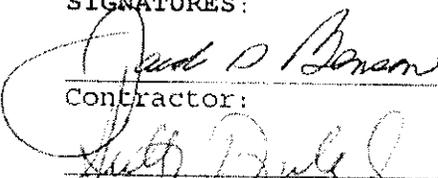
OWNING AGENCY:

The owning agency agrees to the change as being in the owner's best interest. Adequate funds are available to pay the cost for the change.

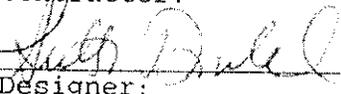
STATE CONSTRUCTION OFFICE:

The State Construction Office approves the request for the change.

SIGNATURES:


Contractor:

1.19.2016
Date:


Designer:

1.19.2016
Date:

Owning Agency:

Date:

State Construction Office:

Date:



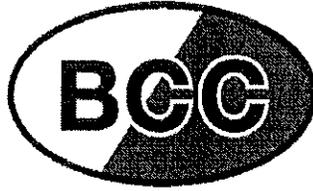
**Brantley
Construction
Company, LLC**

HCC Fire Training Facility
State Construction Field Order
Unit Prices for Unsuitable Soils

<u>UNIT PRICES</u>	<u>Unit</u>	<u>SUBCONTRACTOR</u> Unit Price	<u>MARKUP/BOND</u> 5% markup/ 1% Bond	<u>TOTAL UNIT PRICE</u>
Ballast Stone	Tons	39	2.34	41.34
Biaxial Geo Grid	SY	3.5	0.21	3.71
ABC Stone Placed	Tons	35	2.1	37.1
Sediment Basins	EA	6600	396	6996
Additional Storm	EA	2400	144	2544
Storm Keys	EA	225	13.5	238.5
Unsuitable Soils (Established on Bid Day)		7	1	8



**SEE ATTACHED
SUB CONTRACTOR
ESTIMATED
QUANTITIES**



Brantley
Construction
Company, LLC

January 8th, 2016

PFA Architects, P.A.

30 Choctaw Street

Asheville, NC 28801

Attn: Scott Donald

Re: Haywood Community College Fire Training Facility

Subject: Unsuitable Soils and Soil Stabilization

Dear Sir/Ma'am,

Upon our Discussions and Review of the revised Site work drawings and discussions with BLE and Davis Solutions we are proposing the following **Estimate** of remedial measures. This proposal is based on the established Unsuitable soils 2000 CY rate as well as unit prices for geogrid, ABC stone and Ballast Stone.

Quantities are for a general estimate **only** we request that we agree upon these unit prices and allow BLE to quantify all of the required remedial work and establish a lump sum proposal based on actual numbers. In addition to the unsuitable soils this proposal includes the added storm structures as required by NCDENR review.

Please Reference the attached Proposal Request # 001 for a total estimate or the proposed remedial work as well as added storm structures. Also find a highlighted site plan demonstrating the site condition findings. We have not included any time extensions with this proposal we will address this later if the remedial work exceeds the schedule durations.

Contact me should you have any further questions or comments.

Sincerely,

Jacob Benson
Project Manager
Brantley Construction Company, LLC

291 Plott Drive * Canton, NC 28716 * (828) 646-0328 * (828) 648-8543
Brantley Construction Company, LLC is a trade name of Brantley Construction Services, LLC

Southern Appalachian Grading & Excavation, Inc

North Carolina Licensed Grading Contractor #64831

Ben Blair
P.O. Box 1505
Waynesville, NC 28786
Phone 828.507.5166
Fax 828.246.9115
bensblair@yahoo.com

Change Order Breakdown

Date: 12/30/15

To: Brantley Const.

**For: Unsuitable Soils at
Subgrade Elevation**

Haywood County PSTF Project

Description	Quantity	Unit	Unit Price	Total
Ballast Stone or Rip Rap	720	TONS	39.00	28080.00
Biaxial Geo Grid	2500	SY	3.50	8750.00
Unsuitable Soil Removal and Replacement above 2000 CY allowance	350	CY	8.00	2800.00
ABC stone placed over grid	704	TONS	35.00	24640.00
ABC at lower end of western parking lot	175	TONS	35.00	6125.00

Grand Total: \$70,395.00

These are estimates and are intended to give a general estimate of unsuitable conditions we will encounter, BLE to keep track of actual quantities at time of construction. We cannot say if these numbers are accurate. Only at time of excavation will it be possible to determine actual quantities needed. Actual amounts of work could vary greatly higher or lower than estimate above. This is an estimate from onsite meetings with Testing firm and contractor. Any of the items above will be extended at unit prices listed above if the work is deemed necessary.

Unsuitable Soils are coming from undercut areas where stone and grid will be placed. Ballast or Rip Rap stone areas are figured at 1.5' thick, abc stone is figured at 1' thick on top of grid, and some areas only have grid under base course included in the contract pricing. Also, unsuitable soil is encountered in a majority of ditches for storm, sewer, and water installation.

Southern Appalachian Grading & Excavation, Inc

North Carolina Licensed Grading Contractor #64831

Ben Blair

P.O. Box 1505

Waynesville, NC 28786

Phone 828.507.5166

Fax 828.246.9115

bensblair@yahoo.com

Change Order Breakdown

Date: 12/14/15

To: Brantley Const.

For: Plan Change Additions

Haywood County PSTF Project

*Revised
6,600*

13,200

Description	Quantity	Unit	Unit Price	Total
Sediment Basins	2	EA	7100.00	14200.00
Additional Storm Structure	1	EA	2400.00	2400.00
Keys for Storm Drainage Lines	7	EA	225.00	1575.00

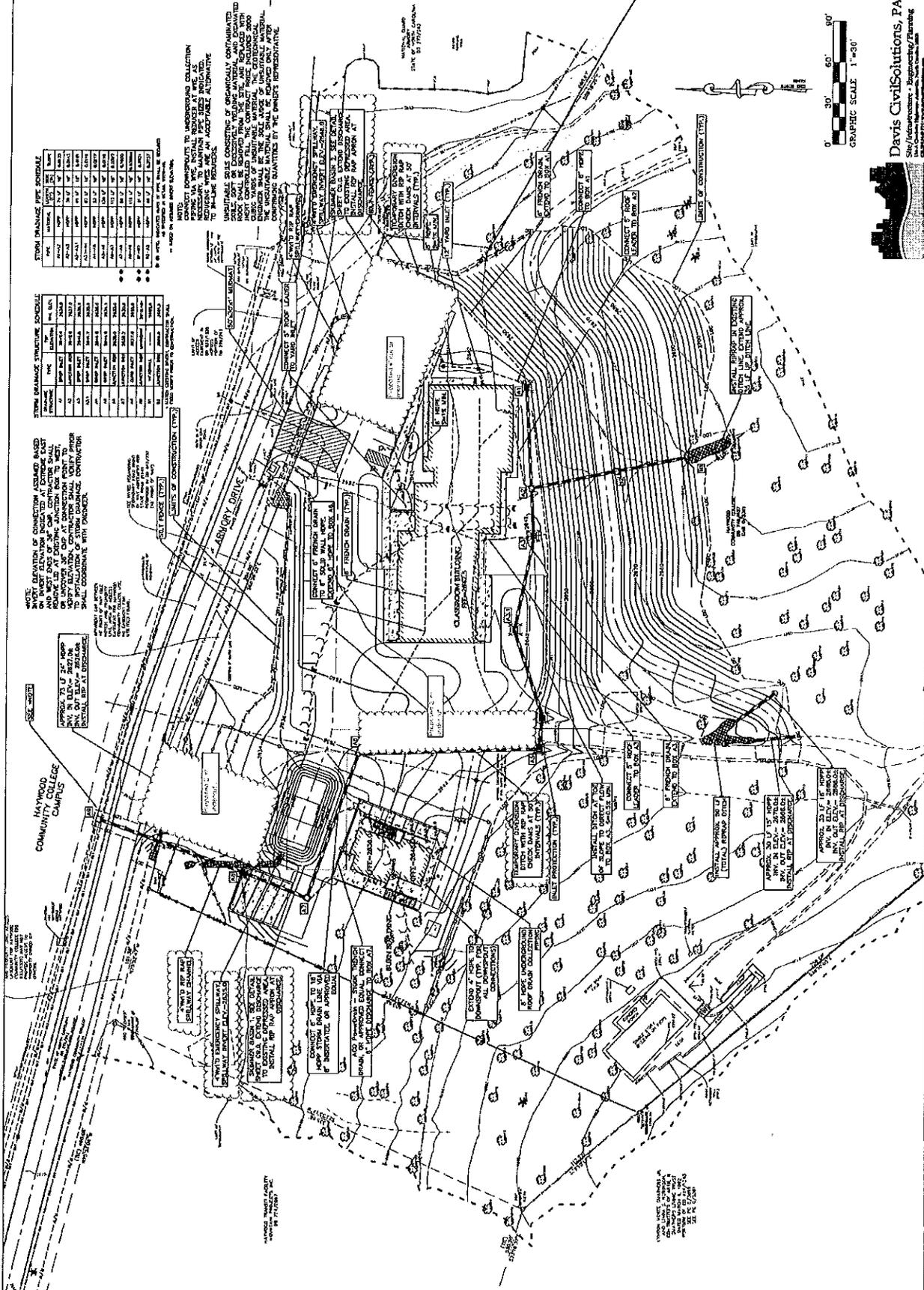
Grand Total: ~~\$18,175.00~~

\$17,175.00



Project No.	13-10405-01A
Revision No.	01/2013
Scale	AS SHOWN
Sheet No.	100
Grading Station	0+00 to 0+00
Control Elevation	100.00

C3.0



STORM DRAINAGE SCHEDULE

NO.	DESCRIPTION	LENGTH (FT)	DIAMETER (IN)	DEPTH (IN)	SPACING (FT)	INLET TYPE	INLET SIZE (IN)	INLET SPACING (FT)
1	18" DIA. STORM DRAIN	100	18	18	10	1	18	10
2	24" DIA. STORM DRAIN	150	24	24	10	1	24	10
3	30" DIA. STORM DRAIN	200	30	30	10	1	30	10
4	36" DIA. STORM DRAIN	250	36	36	10	1	36	10
5	42" DIA. STORM DRAIN	300	42	42	10	1	42	10
6	48" DIA. STORM DRAIN	350	48	48	10	1	48	10
7	54" DIA. STORM DRAIN	400	54	54	10	1	54	10
8	60" DIA. STORM DRAIN	450	60	60	10	1	60	10
9	66" DIA. STORM DRAIN	500	66	66	10	1	66	10
10	72" DIA. STORM DRAIN	550	72	72	10	1	72	10
11	78" DIA. STORM DRAIN	600	78	78	10	1	78	10
12	84" DIA. STORM DRAIN	650	84	84	10	1	84	10
13	90" DIA. STORM DRAIN	700	90	90	10	1	90	10
14	96" DIA. STORM DRAIN	750	96	96	10	1	96	10
15	102" DIA. STORM DRAIN	800	102	102	10	1	102	10
16	108" DIA. STORM DRAIN	850	108	108	10	1	108	10
17	114" DIA. STORM DRAIN	900	114	114	10	1	114	10
18	120" DIA. STORM DRAIN	950	120	120	10	1	120	10
19	126" DIA. STORM DRAIN	1000	126	126	10	1	126	10
20	132" DIA. STORM DRAIN	1050	132	132	10	1	132	10
21	138" DIA. STORM DRAIN	1100	138	138	10	1	138	10
22	144" DIA. STORM DRAIN	1150	144	144	10	1	144	10
23	150" DIA. STORM DRAIN	1200	150	150	10	1	150	10
24	156" DIA. STORM DRAIN	1250	156	156	10	1	156	10
25	162" DIA. STORM DRAIN	1300	162	162	10	1	162	10
26	168" DIA. STORM DRAIN	1350	168	168	10	1	168	10
27	174" DIA. STORM DRAIN	1400	174	174	10	1	174	10
28	180" DIA. STORM DRAIN	1450	180	180	10	1	180	10
29	186" DIA. STORM DRAIN	1500	186	186	10	1	186	10
30	192" DIA. STORM DRAIN	1550	192	192	10	1	192	10
31	198" DIA. STORM DRAIN	1600	198	198	10	1	198	10
32	204" DIA. STORM DRAIN	1650	204	204	10	1	204	10
33	210" DIA. STORM DRAIN	1700	210	210	10	1	210	10
34	216" DIA. STORM DRAIN	1750	216	216	10	1	216	10
35	222" DIA. STORM DRAIN	1800	222	222	10	1	222	10
36	228" DIA. STORM DRAIN	1850	228	228	10	1	228	10
37	234" DIA. STORM DRAIN	1900	234	234	10	1	234	10
38	240" DIA. STORM DRAIN	1950	240	240	10	1	240	10
39	246" DIA. STORM DRAIN	2000	246	246	10	1	246	10
40	252" DIA. STORM DRAIN	2050	252	252	10	1	252	10
41	258" DIA. STORM DRAIN	2100	258	258	10	1	258	10
42	264" DIA. STORM DRAIN	2150	264	264	10	1	264	10
43	270" DIA. STORM DRAIN	2200	270	270	10	1	270	10
44	276" DIA. STORM DRAIN	2250	276	276	10	1	276	10
45	282" DIA. STORM DRAIN	2300	282	282	10	1	282	10
46	288" DIA. STORM DRAIN	2350	288	288	10	1	288	10
47	294" DIA. STORM DRAIN	2400	294	294	10	1	294	10
48	300" DIA. STORM DRAIN	2450	300	300	10	1	300	10
49	306" DIA. STORM DRAIN	2500	306	306	10	1	306	10
50	312" DIA. STORM DRAIN	2550	312	312	10	1	312	10
51	318" DIA. STORM DRAIN	2600	318	318	10	1	318	10
52	324" DIA. STORM DRAIN	2650	324	324	10	1	324	10
53	330" DIA. STORM DRAIN	2700	330	330	10	1	330	10
54	336" DIA. STORM DRAIN	2750	336	336	10	1	336	10
55	342" DIA. STORM DRAIN	2800	342	342	10	1	342	10
56	348" DIA. STORM DRAIN	2850	348	348	10	1	348	10
57	354" DIA. STORM DRAIN	2900	354	354	10	1	354	10
58	360" DIA. STORM DRAIN	2950	360	360	10	1	360	10
59	366" DIA. STORM DRAIN	3000	366	366	10	1	366	10
60	372" DIA. STORM DRAIN	3050	372	372	10	1	372	10
61	378" DIA. STORM DRAIN	3100	378	378	10	1	378	10
62	384" DIA. STORM DRAIN	3150	384	384	10	1	384	10
63	390" DIA. STORM DRAIN	3200	390	390	10	1	390	10
64	396" DIA. STORM DRAIN	3250	396	396	10	1	396	10
65	402" DIA. STORM DRAIN	3300	402	402	10	1	402	10
66	408" DIA. STORM DRAIN	3350	408	408	10	1	408	10
67	414" DIA. STORM DRAIN	3400	414	414	10	1	414	10
68	420" DIA. STORM DRAIN	3450	420	420	10	1	420	10
69	426" DIA. STORM DRAIN	3500	426	426	10	1	426	10
70	432" DIA. STORM DRAIN	3550	432	432	10	1	432	10
71	438" DIA. STORM DRAIN	3600	438	438	10	1	438	10
72	444" DIA. STORM DRAIN	3650	444	444	10	1	444	10
73	450" DIA. STORM DRAIN	3700	450	450	10	1	450	10
74	456" DIA. STORM DRAIN	3750	456	456	10	1	456	10
75	462" DIA. STORM DRAIN	3800	462	462	10	1	462	10
76	468" DIA. STORM DRAIN	3850	468	468	10	1	468	10
77	474" DIA. STORM DRAIN	3900	474	474	10	1	474	10
78	480" DIA. STORM DRAIN	3950	480	480	10	1	480	10
79	486" DIA. STORM DRAIN	4000	486	486	10	1	486	10
80	492" DIA. STORM DRAIN	4050	492	492	10	1	492	10
81	498" DIA. STORM DRAIN	4100	498	498	10	1	498	10
82	504" DIA. STORM DRAIN	4150	504	504	10	1	504	10
83	510" DIA. STORM DRAIN	4200	510	510	10	1	510	10
84	516" DIA. STORM DRAIN	4250	516	516	10	1	516	10
85	522" DIA. STORM DRAIN	4300	522	522	10	1	522	10
86	528" DIA. STORM DRAIN	4350	528	528	10	1	528	10
87	534" DIA. STORM DRAIN	4400	534	534	10	1	534	10
88	540" DIA. STORM DRAIN	4450	540	540	10	1	540	10
89	546" DIA. STORM DRAIN	4500	546	546	10	1	546	10
90	552" DIA. STORM DRAIN	4550	552	552	10	1	552	10
91	558" DIA. STORM DRAIN	4600	558	558	10	1	558	10
92	564" DIA. STORM DRAIN	4650	564	564	10	1	564	10
93	570" DIA. STORM DRAIN	4700	570	570	10	1	570	10
94	576" DIA. STORM DRAIN	4750	576	576	10	1	576	10
95	582" DIA. STORM DRAIN	4800	582	582	10	1	582	10
96	588" DIA. STORM DRAIN	4850	588	588	10	1	588	10
97	594" DIA. STORM DRAIN	4900	594	594	10	1	594	10
98	600" DIA. STORM DRAIN	4950	600	600	10	1	600	10
99	606" DIA. STORM DRAIN	5000	606	606	10	1	606	10
100	612" DIA. STORM DRAIN	5050	612	612	10	1	612	10

STORM DRAINAGE STRUCTURE SCHEDULE

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