COOPER CARRY

MEETING MINUTES

TO: File 200120/D.1

FROM: Christopher Bivins

DATE: January 15, 2002

RE: **Floyd College Bartow Center**
CC Project No. 200120\D.1
Meeting January 10, 2002

IN ATTENDANCE:

Floyd College (FC)
Randy Pierce
Doug Webb

ADE Construction Consultants, Inc. (ADE)
Dan Ergle (partial)

Williams Sweitzer and Barnum, Inc. (WSB)
Chuck Hardin

COOPER CARRY, INC. (CC)
Christopher Bivins
Jerry Cooper
Tim Fish
David Thomson

COPIES: All Attendees
J. Hollis Dorsey, BOR
Charlie Pennington, NBP

The following reflects the memory of the writer with regard to issues discussed, decisions made and direction given during the meeting on January 10, 2002 at the office of COOPER CARRY. Any corrections and/or clarifications should be forwarded to COOPER CARRY within seven (7) days as these notes shall serve as the basis on which the Project will proceed.

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GEORGIA
30305 - 1595

telephone 404 · 237 · 2000
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JAN 17 2002

I. Program Review

Floyd College (FC) to validate updated program. Items under consideration include:

A. Further reductions in Administration, Technical Support and Library areas.
B. Applying saved square footage to additional classrooms.
C. Define functions in Bookstore. This space could include a Café and other retail functions.
D. Omit references to Kennesaw College.

II. Survey Review

The survey is complete. CC received stamped copies from WSB on January 3, 2002.

A. Utility Locations

1. Water – There is a 12" water line running along the south side of Highway 20 near the intersection with Cline Smith Road. A 12" branch runs under 20 and along the east side of Cline Smith Road. Access for this project would be at the southeast corner of the site where the line runs under 20. WSB estimates the 12" line would be sufficient for future development.
2. Sanitary Sewer – The sewer line running along the south side of 20 is an 8" clay pipe. Opposite the site, the line turns south/southwest and runs cross country. WSB has not determined the status of this line beyond the survey area. At Cline Smith Road (uphill) the line has been improved to 10" PVC, possibly in preparation for a future upgrade. WSB estimates the campus masterplan would require a 12" line, and the 8" might not have capacity for even Phase I. WSB to investigate status of line beyond survey area, NBP to provide initial sizing estimates
3. Electrical – Electrical power is available. The building may tap in to the 12KVA line running along the north side of 20. J. Dorsey of the Board of Regents has been involved in discussions with Georgia Power regarding relocation of the power lines crossing the site. The status of those discussions is not known.
4. Gas – There is a gas line shown at the northeast corner of the survey across Cline Smith Road. The size and capacity is not known. When contacted by WSB, Cartersville Gas was unable to provide any information about the line. WSB to follow up, determining most likely access for gas service, NBP to provide capacity estimate for Phase I and campus masterplan.

5. Communications – Telephone and cable lines run along the north side of 20. Charlie Pennington with Nottingham Brook & Pennington, MEP engineers for the project, is checking on capacity.
6. WSB will write a letter to CC discussing all utility issues which need to be resolved for site planning.

B. Road Right of Way

Planning for the widening of Highway 20 is underway. All additional right of way needed by GDOT will be taken from the north side of 20 along the site, with initial plans showing a 60' – 85' strip of land being acquired. Jordan, Jones and Goulding are the engineers designing this work, and WSB has been in contact with them and GDOT to coordinate site work.

III. Site Plan

A. Site Definition – Due to the right of way change along 20 and concerns about the entry boulevard configuration, definition of the approximately 50 acre Floyd College site needs to be reviewed. CC to define site limits and submit to FC, BOR for review. Upon concurrence, the plan will be sent to J. Dorsey for BOR legal procedure. Authorization for addition surveying may be required.

B. Boulevard/out parcel location – Regarding the proposed out parcels on the east side of the entry boulevard, FC would prefer that no out parcels not directly related to the College be located on the east side. The proposed library site is excluded. CC to consider during site definition.

C. Detention Ponds – WSB to investigate sizes and potential locations for detention ponds. CC and FC have a strong preference that the pond currently shown adjacent to 20 be an aesthetic amenity without protective fencing. Oil separators will be needed for parking runoff.

D. Curb cuts – DOT requires curb cuts along this stretch of 20 be minimum 1,340' (1/4 mile) apart from centerline to centerline. The location currently shown is 1,390' from Cline Smith Road and farther than that from the Wal-Mart to the west.

E. Civic Building – There us currently a proposal to build a combined public library/Floyd College library on the "Civic Building" site on the masterplan. This proposal is very preliminary.

F. Building Location– Basic location was approved. CC to further study grading, proposed right-of-way changes and possible site definition changes before finalizing building location.

G. Parking – Current parking layout showing 530 spaces was approved. Parking and road layout was also accepted, though may be adjusted due to site definition/entry boulevard planning.

H. Grading – WSB presented a preliminary grading plan. Grading at roads and parking areas is feasible. More problematic is grading at the southeast corner of the building, which is pushed into a hillside. CC and WSB to coordinate approach to grading, and to study saving selected trees between the building and the highway.

I. Site Work Excavation

1. Current agreement is Bartow County/Cartersville to be responsible for site grading, including building pad preparation, providing utilities to the building pad, curb and gutter, and paving except for the final coat of asphalt. ADE preliminary estimate of the value of this work, minus the utility work, is approximately $730,000. Due to the significant value of this work, WSB and CC to prepare a schematic site package for use by the county to estimate the scope of work.
2. WSB and CC to coordinate current site work with provisions for future utilities work.
3. Work on this project is scheduled before the widening of 20 and it is expected the entry boulevard will be connected to 20 before it is widened. DOT will handle reconfiguration as part of widening. WSB to coordinate.

IV. Floor Plans – FC approved the overall direction, and had several comments.

A. The west entry, due to its proximity to parking, should be the main visitors entry. Functions that should be close to this entry include Advising, Testing and Tutorial, Enrollment Management, Counseling and Career Guidance, Main Reception, Security, and Floyd College Business Administration.

B. The northeast entry should be the main student entry. Student Life should be near this entry.

C. FC liked the library location overlooking the atrium and would prefer an open railing to full height glass along that edge. CC to investigate code implications.

D. FC stated strong preference that faculty offices be dispersed throughout building.

E. CC to study service corridor from loading area at 2nd floor to public corridor and deleting freight elevator.

F. FC to confirm size of truck loading area to be designed for.

V. Schedule

A. CC presented current schedule. We are behind. Schedule is contingent upon project funding by legislature. It was decided to keep as shown for now.

VI. Cost

A. Construction – Current stated cost limitation is $14.7 million. This includes 5% escalation from the original $14 million. A/V equipment, racks and connections are not part of the construction budget.

B. FF&E – Current budget $1.47 million, with 2/3 for furniture and 1/3 for technology

BOARD OF REGENTS OF THE UNIVERSITY SYSTEM OF GEORGIA
270 Washington Street, S.W.
Atlanta, Georgia 30334-9007

OFFICE OF THE VICE CHANCELLOR
FOR FACILITIES

(404) 656-2246
FAX 657-7433

January 16, 2002

Mr. Charles Hardin
Williams, Sweitzer and Barnum, Inc.
2232 Redmond Circle
Rome, Georgia 30165-2087

RE: Project No. I-87,
"Bartow Center",
Floyd College

Dear Mr. Hardin:

Enclosed are copies of the original deed and several partial deeds for the property. These do show the current total property owned by the Board of Regents along Georgia Highway 20 in Bartow County. The 50 acres for the campus should not include the proposed right-of-way along Ga. 20. The plat that will accompany the deed transaction with the County must include the right-of-way. My understanding is that we will then be deeding to the County approximately 52 acres.

The proposed relocation of the powerline easement will be counted as part of the 50 acres as this will remain an easement whether in the current location or along the north property line. We cannot show campus buildings beyond the 50 acres, because that property will retain the deed restriction.

Please keep me in the loop about your proposed delineation of the 50+ acres by fax or email. I want to work closely on this issue so that we can proceed as quickly as possible with the deed transaction. If I can assist you further, please let me know.

Sincerely,

J. H. Dorsey, Jr.
Program Manager

Enclosure
cc: President Randy Pierce
Mr. Doug Webb
Mr. Tim Fish, CCA
Mr. Peter Hickey
Project General File

JHD
wpfiles\floyd\wsb-I87-1.doc

COOPER CARRY

NUMBER OF PAGES: 5 (INCLUDING COVER SHEET)

TO: Randy Pierce / Doug Webb

FROM: Tim Fish

DATE: 1.23.02

PROJECT NUMBER 200120

FAX NUMBER: 706.802.5811 / 706.295.6610

COMMENTS:

Schematic Plan Development for review & comment. Gross area as shown is 98,000 s.f. ... which is in budget range. Stack area in library is a bit under program @ 5,000 s.f. i.l.o. 7,700 s.f.. The plan currently shows one more mid-size classroom than the revised program. Please call to discuss at your earliest convenience.

Regards,
Tim

FACSIMILE TRANSMISSION COVER SHEET

TRANSMITTED FROM FAX NUMBER 404-237-0326
PLEASE CALL 404-237-2000 IF YOU EXPERIENCE ANY PROBLEMS WITH TRANSMISSION

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telephone 404 - 237 - 2000
facsimile 404 - 237 - 0326

A.1a	Small Classroom
A.1b	Medium Classroom
A.1c	Large Classroom
A.1d	Large Classroom - Tiered
A.1e	Midsize Classroom - Cont. Ed.
A.1f	Midsize Classroom - Cont. Ed., U
B.1	Advising, Testing, Tutorial
B.2	Enrollment Management
B.3	Student Life
B.4	Counseling and Career Guidance
B.5	Disability Services
C.1	Floyd College Administrative
C.1d	Faculty Office
C.3	Floyd College Business Admin.
D.1	Tech Help
D.2	Computer Services
D.4	Bookstore
E.1	Library
F.1a	Lounge
F.1b	Vending/Cafe
F.1c	Main Reception
F.1d	Security
F.1e	Multi-purpose
F.1f	Warming Kitchen
F.1g	Employee Lounge
F.1h	Communal Space
F.2	Facility Support

January 23, 2002
200120

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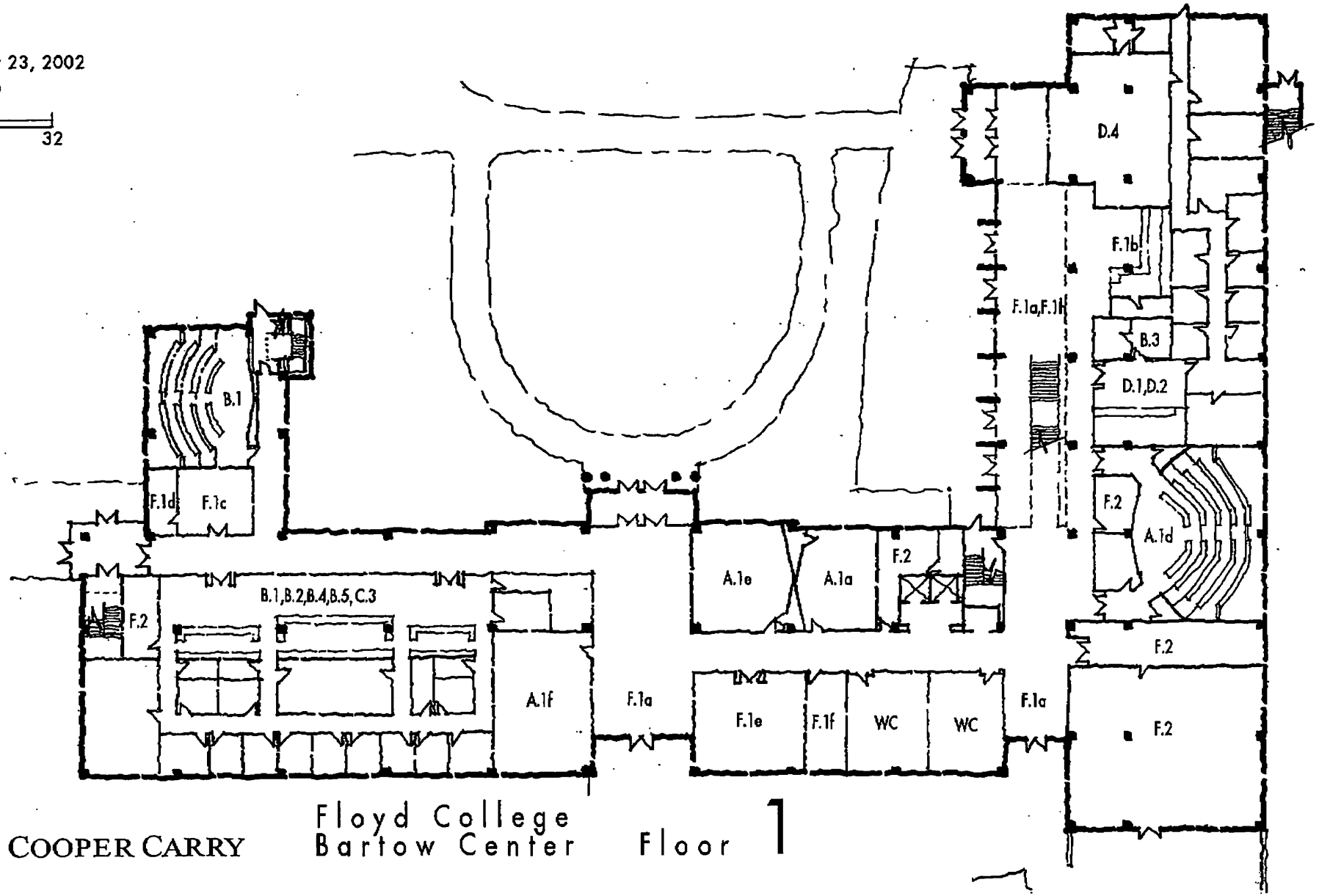

COOPER CARRY

Floyd College
Bartow Center Floor 1

January 23, 2002
200120

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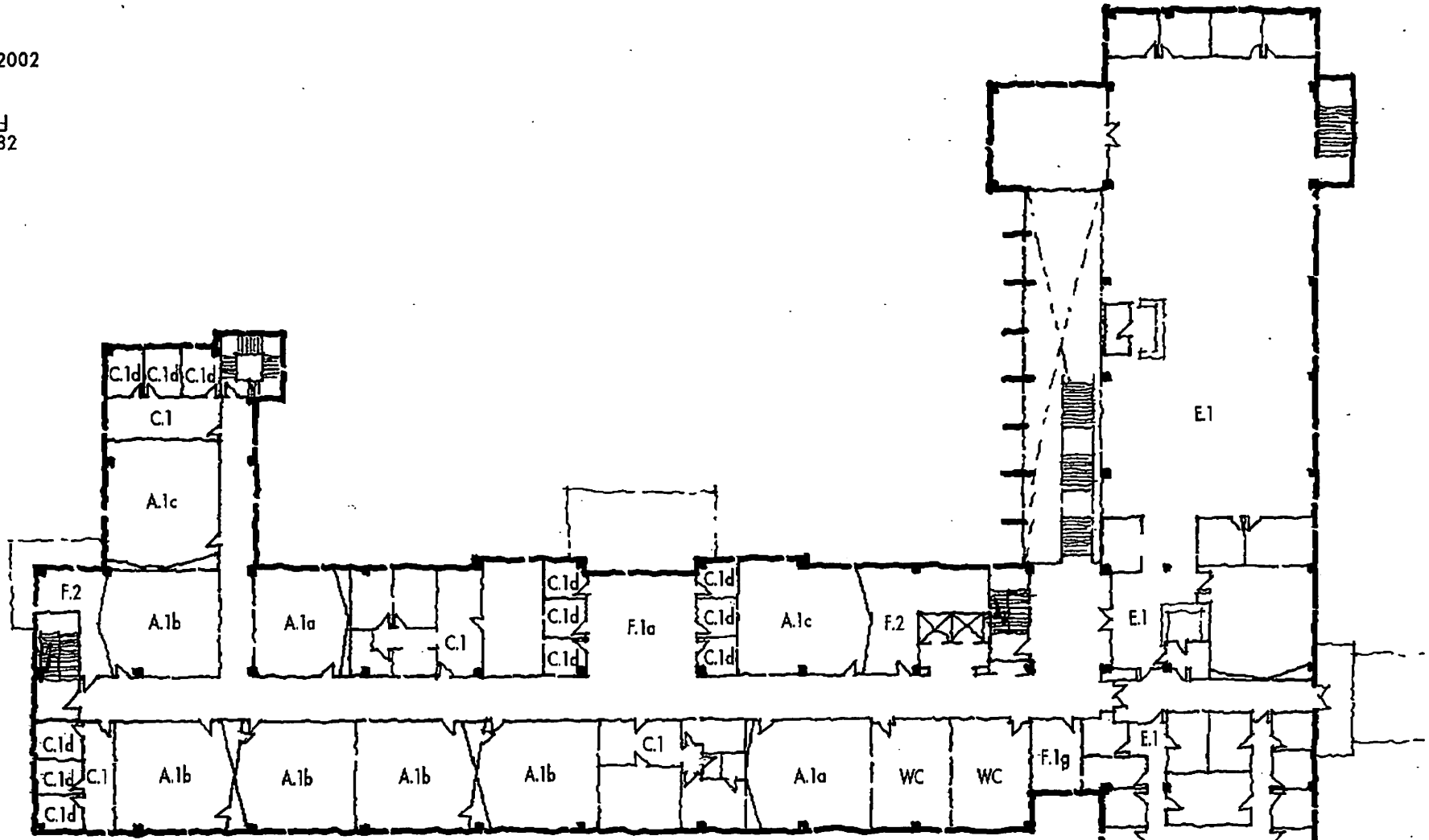

COOPER CARRY

Floyd College
Bartow Center Floor 2

January 23, 2002
200120

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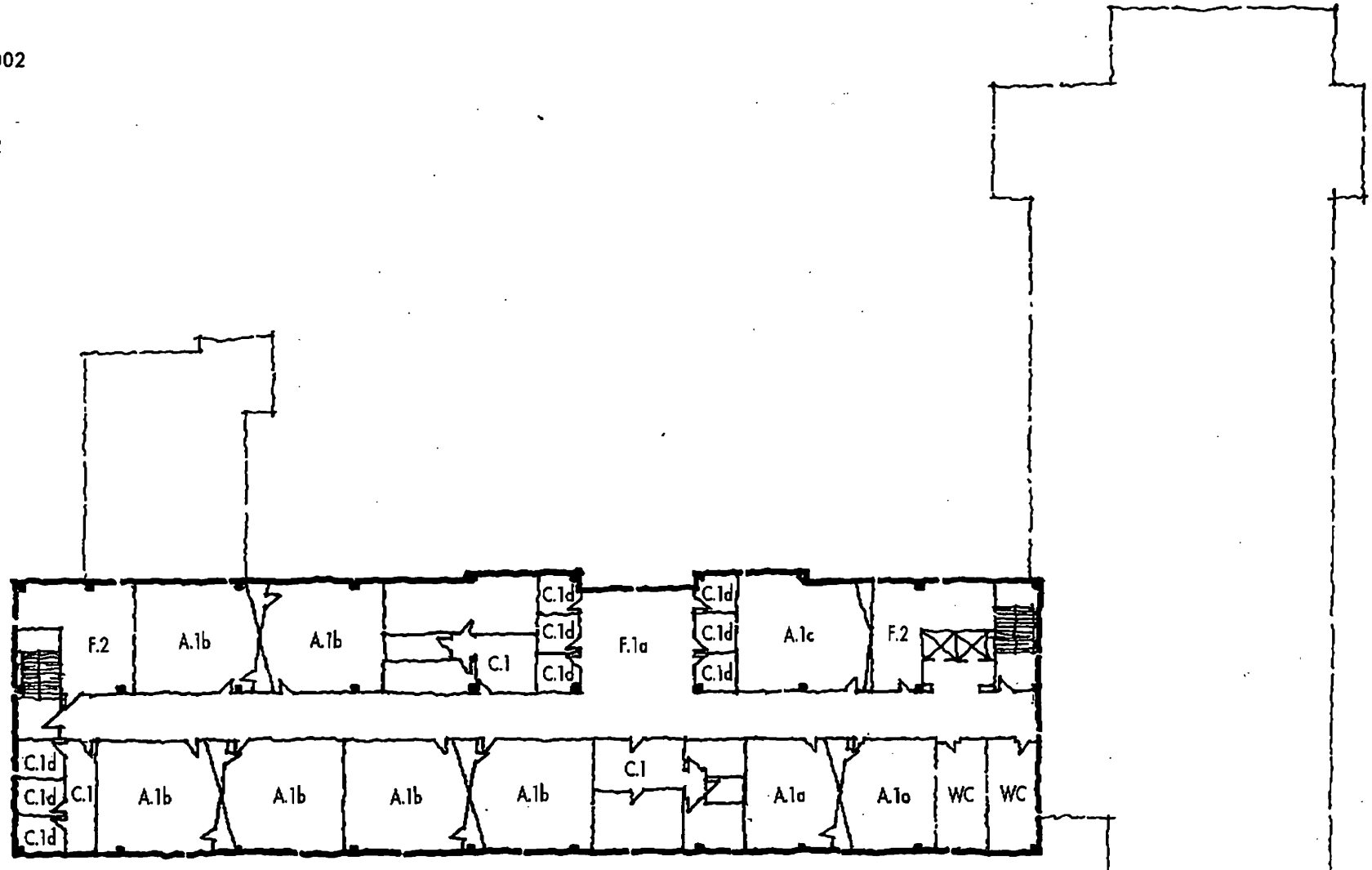

COOPER CARRY

Floyd College
Bartow Center Floor 3

Office of Facilities
Board of Regents of the University System of Georgia

FAX TRANSMISSION

Date:	February 1, 2002
To:	President Randy Pierce
Fax No.	706/295-6610
Telephone No.	706/295-6328
From:	J. Dorsey
Re:	Dalton Utilities Relocation Cost
Pages:	(3 including this cover page)

MESSAGE

Randy,

I did not expect it to be this expensive. We may can build this into a future project, but I do not see how we can afford it now.

JD

cc: Doug Webb
cc:

BOARD OF REGENTS
Office of Facilities
244 Washington Street, SW
Atlanta, GA 30334
(404) 656-2244
Fax: (404) 657-7433

Dalton
UTILITIES
see the light

January 28, 2002

RECEIVED
FEB - 1 2002
OFFICE OF FACILITIES

Mr. J. H. Dorsey
Program Manager
Board of Regents of the University System of Georgia
270 Washington Street, S.W.
Atlanta, Georgia 30334-9007

Re: Relocation of Cartersville - Nelson 115kV Electric Transmission Line.

Dear Mr. Dorsey

We have completed the cost estimate for relocation of the electric transmission line, which currently crosses the Board's property in Bartow County, Georgia on an easement. As you may know, Georgia Power Company acts as Dalton's transmission line construction contractor for such relocation projects and they have assisted us in the preparation of the estimate of relocation costs.

Based on the planned site development information you have provided to us for this project, we have developed an estimated cost of $ 572,779.00 for reconstruction of this line, using steel lattice type structures, supported with guy wires tied to anchors, and including the removal of the old line. This type design will provide the most economical approach for line relocation. Should you desire to see an example of this type construction, please contact us.

Another option, which we have investigated, is based on a combination of guyed lattice structures and self-supporting structures. Guyed structures would be located on the property line and at the tie-points to the existing transmission line while self-supporting structures would be used on the proposed road into the college (University Park Boulevard). The estimated cost for this option is $619,099.00. The advantage gained with self-supporting structures is that down-guys along University Park Boulevard would not be required.

Please be aware that both of these estimates were completed without a detailed site survey of the proposed routing for the new line segments. A detailed site survey must be performed to complete the engineering design and provide a complete final estimate. The estimated cost for a site survey of this particular line segment is approximately $20,000. If you wish to proceed with the survey, please authorize us to proceed with the survey and related engineering activities in writing. We will then initiate actions to have the survey completed. Upon completion of this work we will provide a complete final estimate and an invoice reflecting the cost of survey/design work. We plan to accomplish the survey work utilizing

1200 V.D. Parrott, Jr. Parkway * P.O. Box 869 * Dalton, GA 30722-0869 * 706.278.1313 T * 706.278.7230 F

Georgia Power Company resources. To insure this project is completed in the time frame you require please contact us as soon as possible should you decide to proceed with this work.

These preliminary cost estimates provided above are based on current material and labor costs which we do not anticipate will change significantly before June 1,2002.

If you wish to proceed with the relocation project based on these preliminary cost estimates and do not feel it is necessary to perform the additional survey work, please authorize us to proceed by letter. At that time we can finalize arrangements with our contractor and confirm schedules and other details.

Please do not hesitate to call me at (706) 281-1005 should any questions arise or if we may be of further assistance.

Sincerely,

Bob Seaton

Bob Seaton

COOPER CARRY

February 12, 2002

Mr. Michael Hill
Cartersville Gas Company
P. O. Box 1390
4 Cook Street
Cartersville, Georgia 30120

RE: Floyd College / Bartow Center I-13
Cooper Carry Project No. 200120/D.3.2

Dear Mr. Hill,

Enclosed is a Master Plan and Conceptual Planning Study for the proposed campus for Floyd College on Highway 20 at Smith Cline Road for your use. We understand that Nottingham, Brook and Pennington, consulting engineers for the project have provided estimated gas loads to each building.

Please feel free to contact me if you have questions or comments regarding this project.

Sincerely,

Cooper Carry, Inc.

C. Timothy Fish, AIA
Associate Director

Enclosures

cc: J. Hollis Dorsey
Doug Webb
Morris Harris
Chuck Hardin
David Thomason
Christopher Bivins

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BARBARA GRIFFITH

From: Randy Pierce
Sent: Friday, February 22, 2002 7:38 AM
To: 'TIM FISH'
Cc: BARBARA GRIFFITH
Subject: RE: meetings

Tim:

That sounds good to me. Let me know what you need us to do.

-----Original Message-----
From: TIM FISH [mailto:TIMFISH@COOPERCARRY.com]
Sent: Thursday, February 21, 2002 3:09 PM
To: Randy Pierce
Cc: CHRISTOPHER BIVINS; J. Hollis Dorsey (E-mail)
Subject: RE: meetings

Randy,

The 26 th is fine with us.
How about we start at 9:30 and proceed as follows:

9:00 AM
- 9:30 - 10:45 - Session 1 Karen Porter
11:00 - 12:15 - Session 2 J. Palmer
12:30 - 1:00 - Catered Lunch ↔ whenever
1:00 - 2:15 - Session 3 Dr. Carson -
- 2:30 - 3:45 - Session 4 Dr. Wills
4:00 - 5:15 - Session 5 Jeff Patty?

President's Conference Room -
Who is involved?
Lunch?
Coffee / Donuts?

You may schedule the department "sessions" to best suit individual schedules.
Please let us know in advance if possible so we can plan the day.

We look forward to meeting with you.

tim

Karen Porter
Doug Wells - let him know final schedule -
any particular sessions?

-----Original Message-----
From: Randy Pierce [mailto:rpierce@hermes.floyd.edu]
Sent: Thursday, February 21, 2002 2:24 PM
To: 'timfish@coopercarry.com'
Cc: 'jdorsey@mail.regents.peachnet.edu'; BARBARA GRIFFITH
Subject: meetings

Tim:

I have polled everyone and the 26th looks to be the best day. It looks like
you are going to need to meet with Dr. Wills about the Student Development
area, Jeff Patty about Computer Services, Debbie Holmes about the library,
Dr. Virginia Carson about classrooms and labs, and Karen Porter about Business Services.

Schedule for Meetings with Architects
Tuesday, February 26, 2002

9:30 – 10:45 – Session 1 – Karen Porter, Finance and Administration

11:00 – 12:15 – Session 2 – Debbie Holmes, Library

12:30 – 1:00 – Lunch

1:00 – 2:15 – Session 3 – Dr. Virginia Carson, Academic Affairs

2:30 – 3:45 – Session 4 – Dr. Penny Wills, Student Development

4:00 – 5:15 – Session 5 – Jeff Patty, Computer Services

Survey

There is a 12" waterline on property line.

There is sanitary sewer on other side of road. 10" drains into an 8" County may be planning to upgrade to a 12"

Gas line is up Smith Cline @ intersection of subdivision.
Gas service would have to be pulled down Cline Smith.

Cartersville Gas needs to ~~be~~ extend their line (no cost to us) bring large enough line to serve whole area.

Power is not an issue.
Data?

Curb cut has to be 1/4 mile 1340ft. from intersection of Cline Smith.

When will 20 be widened to four lane divided highway.

Right of Way issue - DOT is planning to acquire right of way. We need to ask for additional property to offset right of way acquisition

Parking lot will be terraced down to 20 and accomodates approx. 530 spaces including the designated parking spaces for visitors etc.

We don't want to have to fence off the pond. What are ordinances

Site package includes everything except walkways and buildings. It will include grading for building.

* Plans are an attempt to get things globally placed.

Technical space is to fat?

Classrooms are purple

FF&E

1395 8

COOPER CARRY

MEETING MINUTES

To: File 200120.02/D.1

From: David F. Thomson, AIA

Date: March 11, 2002

RE: Bartow Center; Cartersville, Bartow County

Subject: Utility Package Meeting
At the Bartow County Commissioners Office

Attending:

Bartow County Commissioner
Clarence Brown

Floyd College
Randy Pierce
Doug Webb
Karen Porter

Board of Regents (BOR)
Jay Dorsey

Williams, Sweitzer & Barnum (WSB)
Chuck Hardin

Bartow County Water Department
Gene Camp

Bartow County Adminstrator
Steve Bradly

Bartow County Engineer
Stan Herring, P.E.

Bartow County Roads Dept.
Dwight Fox

Bartow County Assistant Public Works Director
Randy Gray

Peoples & Quigley, Inc.
Robert F. Peoples, P.E.

Cooper Carry
Tim Fish
David Thomson

Copies: All Attending, Charlie Pennington, Dan Ergle, Christopher Bivins

Jerome M. Cooper, FAIA
Walter T. Carry, FAIA
E. Pope Bullock, AIA
Kevin R. Cantley, AIA
Roger L. Miller, AIA
Gar Muse, AIA

Angelo A. Carusi, AIA
Richmond Cogburn, AIA
Richard J. Flierl, ASLA
Ted S. Gum, AIA
David W. Kitchens, AIA
C. Robert Neal, AIA
J. Ben Wauford, AIA

Steven M. Berberich, AIA
C. Timothy Fish, AIA
Richard W. Fredlund, AIA
Mark D. Jensen, AIA
Gregory A. Miller, AIA
Stephen M. Smith, AIA
Sherry M. Wilson

Jason L. Klein, AIA, CSI, CCS
Michael B. Lowry, AIA
M. Sean McLendon, AIA
Thomas E. Robbins, AIA
Stanley W. Williams, AIA

Vivian S. Blackmon
Rick A. Casey, NCIDQ
Dorothy M. Colley, AIA
Mark P. Crittenden, AIA
R. Allen Dedels, AIA
Mark P. Elliott, AIA
Robert M. Fischel, AIA
Michael J. Hernandez, AIA
Paul R. Koester, AIA
Robert N. Kramer, AIA
Mark S. Lange, AIA
Patrick L. Murphy, SEGD
Mark A. Novak, AIA
Carl J. Oehrig, AIA
David F. Thomson, AIA
Robert F. Uhrin, AIA
Brett R. Wylie, ASLA

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The following reflects the memory of the writer with regard to issues discussed, decisions made and direction given during the meeting on March 8, 2002. Any corrections and/or clarifications should be forwarded to COOPER CARRY within seven (7) days, as these notes shall serve as the basis on which the Project will proceed.

On March 8, 2002 a meeting was held at Commissioners Office at the Bartow County Justice Center. The purpose of the meeting was to confirm the scope of the of the Bartow Center Site Infrastructure Package. Project scope and scheduling were discussed.

I. General

1. B.O.R. / Bartow County memorandum of understanding with regard to general scope of work to be provided by the City of Cartersville and County of Bartow was reviewed and agreed to.
2. The scope of the work includes: grading; roads with paving, curb and gutter; parking with gravel base and curb and gutter, utilities, and sleeves for future utilities.
3. Tim Fish reviewed the campus Master Plan.
4. Permitting and schedule were reviewed, the college requested to have the site ready by September 1, 2002.

II. Scope of Work

1. The county will provide all the scope in the Bartow Center Site Infrastructure Package.
2. Some parts of the scope will be bid out, such as the roads.
3. Utilities to be included in the scope include water, storm sewer and sanitary sewer.
4. Two holding ponds will be part of the scope of the work.
5. Tree save fencing and erosion & sediment control will be part of the scope of the work.
6. The county will bid out the roadwork. No additional drawings or bid packages will be required, for this bidding.

III. Utilities

1. Georgia Power is working with Dalton Utilities to consider options for re-locating / improving existing lines.
2. The county needs to change an existing sanitary line across GA 20 from an 8-inch line to a 12" line.
3. Cooper Carry will confirm the water usage with NBP and Peoples & Quigley, Inc. The information needed is the flow of the fire & domestic water pumps, also the usage of water from boilers.

4. A 12-inch water main with double check detector assembly will be provide. A partial fire loop with three fire hydrants will be provided from the east service entry around the south of the future building and around to the west side entry. The county will also provide some water service along the main entry drive.
5. A 12-inch sanitary line will be provided to the west side of the proposed first building and along the main entry drive.
6. Sleeves for future site lighting will be provided.
7. Two ponds will be built with a compacted clay liner. The ponds are for retention and detention. The ponds will be used for site irrigation, thus the ponds will have an oil grit separator. Chuck Hardin is looking into the need to provide wells to recharge the ponds during the summer.
8. Gas service still needs to be confirmed.
9. The college may want to add a water tower to the design of the mater plan. The Cartersville datum will not provide good water pressure to this project, or any future projects. The first building proposed location is on the lowest part of the site; future phases will be at higher elevations.

IV. Permitting

1. WSB will be submitting for Permits with the county on Tuesday, March 11, 2002. Commissioner Brown asked Stan Herring to put this project on the top of his list for review. A DOT permit will be required for the entry on to GA 20. WSB will also submit for a DOT permit on or about March 11, 2002. A DOT bid form will have to be provided. DOT plans for the widening of GA 20 in about three years.
2. WSB will provide a design for the soils borrow pit. This design will be provide the week of March 18.
3. J. Dorsey requested that Cooper Carry submit a copy to Dave Adams at GSFIC for BOR & State Fire Marshall review.

Cooper Carry will solicit proposal for soil compaction testing. WSB will provide Cooper Carry a proposal for: site staking layout, NPDES testing, and an As-Built Survey.

Commissioner Brown gave is full support to this project and asked the county staff to help make this project a success for the BOR and the county.

FLOYD COLLEGE

PRESIDENT'S OFFICE

FACSIMILE TRANSMITTAL SHEET

TO: Senators Nathan Dean + Richard Marable

FROM: From: Randy Pierce

OFFICE

DATE: 3/12/02

COMPANY:

TOTAL NO. OF PAGES INCLUDING COVER: 1

FAX NUMBER: ~~[illegible]~~ 404-651-6768 404-657-9728

PHONE NUMBER

RE: Cartersville Project

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

Senators;

Tom Daniel has advised that you need to see Tom Coleman. Certainly you can be more effective getting the permitting moved along on the Bartow project. Commissioner Brown is ready to start moving dirt. The issues are 1) getting the curb cut and entry permitted. Also, Commissioner Brown has had conversations with Mr. Coleman concerning the DOT's assistance with paving the roads and other parking areas.

Thanks.

P.O.BOX 1864
ROME GEORGIA 30162-1864
PHONE 706-295-6328
FAX 706-802-5811

COOPER CARRY

March 12, 2002

J. Hollis Dorsey
Board of Regents
University System of Georgia
270 Washington Street, SW
Atlanta, Georgia 30334

RE: Floyd College – Bartow Center I-87
Cooper Carry Project No. 200120/D.1, D.3.5

Dear J.,

Cooper Carry has received the initial soil borings under Geo-Hydro's proposal 6903-5 for the above referenced project. The initial borings indicate that pile foundations may be necessary. Another option would be the use of mat or strip foundations. To evaluate this option we need deeper soil borings.

Geo-Hydro has estimated that the pile foundations may cost an additional $100,000.00 over the mat or strip foundations. Enclosed is some correspondence from Geo-Hydro and Uzun & Case with some additional detail.

Cooper Carry has received an additional proposal for deeper Geotechnical Exploration from Geo-Hydro in the amount of $4,375. Cooper Carry recommends that Geo-Hydro be retained for this additional Geotechnical Exploration. This recommendation is based on professional qualifications, relevant experience, content of proposal, and potential cost savings to the project.

Please feel free to call with questions or comments. We will proceed as notified.

Sincerely,
Cooper Carry

David Thomson, AIA
Associate

Enclosures

cc: Jerry Cooper, Doug Webb, Larry McDowell, Dan Ergle
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telephone 404 · 237 · 2000
facsimile 404 · 237 · 0276

200120/D.3.5
cc: Dave Thomson
Tim Fish

March 7, 2002

MAR 08 2002

GEOHYDRO

COOPER CARRY

Mr. Christopher Bivins
Cooper Carry & Associates
3520 Piedmont Road, N.E.
Atlanta, Georgia 30305-1595

Proposal to Perform Supplemental Geotechnical Exploration
Floyd College/Bartow Center
Cartersville, Georgia
BOR Job Number I-87
CCA Job Number 200120/D.3.5
Geo-Hydro Proposal Number 7017-5

Dear Mr. Bivins:

As we have been talking over the telephone, Geo-Hydro has completed the initial soil test borings under Geo-Hydro's proposal 6903-5. We have contacted Larry McDowell regarding estimated structural loads so that we can develop estimates of foundation settlement. On March 5th Larry McDowell transmitted to you and copied Geo-Hydro with estimated typical column loads. A copy of this transmittal is attached.

With regard to the two-story section of the building (maximum total column load of 280 kips), shallow foundations can be used. Preliminarily, an allowable design bearing pressure of 2,200 psf may be used. This design bearing pressure should limit total settlement to about 1 inch.

Preliminarily, it appears that the three-story section of the structure can be supported on a mat foundation or on combined strip foundations supporting entire longitudinal column lines. For example, the interior longitudinal column line might be supported on a strip footing having a 25-foot width and a length of about 280 feet. The stresses from a mat foundation or a 25-foot wide strip footing extend to depths that are greater than presently explored. Additionally, good evaluation of stress-strain behavior of the soils is much more important at these higher load levels. In short, the much higher maximum column loads of the three-story section (about 700 kips) require that supplemental subsurface exploration be performed.

The main objective of the supplemental study will be to confirm that a mat foundation or strip foundation approach can be used instead of pile foundations. To achieve this objective we propose a combination of cone penetrometer testing (CPT) and dilatometer testing (DMT) to evaluate deeper soil strata and obtain soil modulus values for more accurate estimation of settlement. If the supplemental study confirms our preliminary analysis, there will be a substantial cost savings by

GEO-HYDRO ENGINEERS, INC.
1000 Cobb Place Blvd., Suite 290
Kennesaw, Georgia 30144
770/426-7100 Fax: 770/426-5209
www.geohydro.com

avoiding pile foundations. On the other hand, if the supplemental study indicates that pile foundations will be required, then further subsurface exploration (rock probes and rock coring) may be required.

An outline of the exploration is provided in the following sections.

SCOPE OF SERVICES

1) We will perform cone penetrometer testing (CPT) and dilatometer testing (DMT). CPT soundings will be performed in general accordance with ASTM D-3441. Our lump sum fee allows for one day of CPT and DMT testing. We expect to be able to perform between 4 and 8 soundings in one day. The CPT and DMT results will be presented on detailed logs. Cone penetration testing will be subcontracted to Fugro Geosciences, Inc.

2) Using the soil modulus values from *in situ* DMT testing, we will calculate foundation settlements. We will determine if shallow foundations are suitable for the three-story section of the structure and make recommendations for mat foundation or combined strip foundation support. We will also optimize the design bearing pressure for the two-story section. Appropriate design parameters will be provided for use by the structural engineer. We will integrate the results of the supplemental exploration into the geotechnical report outlined in our proposal 6903-5.

COST INFORMATION

We will perform the work outlined in the Scope of Services for a lump sum fee of $4,375.

GEO-HYDRO

If this proposal is acceptable, please sign below. This work will be performed under the terms and conditions of our present contract. If you have any questions concerning this proposal or any of our services, please contact us.

Sincerely,

GEO-HYDRO ENGINEERS, INC.

Milton O. Schreiber, P.E.
Vice President

MOS/jh/I:/main/geo/props/pre70175

Enclosures

Proposal Accepted:
Signature:_____
Name:_____
Date:_____

MEMORANDUM

To:	**Christopher Bivins**	No. of pages including cover:	1	
	Cooper Carry	Date:	**3/5/02**	Time:
Fax:		Job No.:		
Phone:		Re:	**Floyd College - Bartow Center**	
			Typical Column Loads	
From:	**Larry McDowell**	File:		
Copy(ies):	M. Schreiber - GeoHydro			

Estimated typical column loads (in kips) are as follows:

		TOTAL
3 story Interior Column:	498 Dead, 200 Live	698
3 story Exterior Column:	463 Dead, 124 Live	587
2 story Interior Column:	150 Dead, 112 Live	262
2 story Exterior Column:	195 Dead, 85 Live	280

Assumptions:

- Typical bay spacing per sketches faxed to U&C 2.04.02.
- Exterior façade of 8" CMU with 4" brick
- Concrete framed "roof" serving as a mechanical room, enclosed with a steel framed roof, over 3 story portion only.
- Steel or wood framed roof over 2nd floor of 2 story portion; no concrete roof.

1180 West Peachtree Street, Suite 1200 ■ Atlanta, Georgia 30309 ■ (678) 553-5200 ■ Fax (678) 553-5270

2232 REDMOND CIRCLE
ROME, GA 30165-2087
(706) 234-0552 FAX (706) 234-0556

WILLIAMS, SWEITZER & BARNUM, INC.

Fax

To:	DOUG WEBB	From:	ROBERT L. MOSS, P.E., R.L.S.
Fax:	706-295-6828	Pages:	6
Phone:	706-295-6350	Date:	03/15/02
Re:	FLOYD COLLEGE/BARTOW CO.	CC:	

☐ Urgent X For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

The attached proposal letters are for Proposed Survey Staking Services and for Georgia NPDES Permit Compliance Monitoring. Hard copies to follow by mail.

WILLIAMS, SWEITZER & BARNUM, INC.

Robert L. Moss, P.E., R.L.S.
John E. Schrock, P.E.

ENGINEERS • SURVEYORS

2232 Redmond Circle
Rome, Georgia 30165-2087
Telephone: 706/234-0552
Facsimile: 706/234-0556

March 15, 2002

Mr. J. Hollis Dorsey, Jr., AIA
Board of Regents of the
University System of Georgia
270 Washington Street, S.W., Suite 6097
Atlanta, GA 30334-9007

Re: FLOYD COLLEGE - BARTOW CENTER
COMPLIANCE MONITORING OF
GEORGIA NPDES PERMIT NO. GAR 100000

Dear Mr. Dorsey:

Williams, Sweitzer and Barnum, Inc. appreciates the opportunity to submit this proposal to provide engineering services needed to assist The Board of Regents in complying with Georgia's General Storm Permit, GAR 100000 requirements during construction of the Floyd College/Bartow Center. We understand that the construction of the project will commence within one month, and will have a construction period of approximately 5 months. The actual time period may be less than this, however, due to adverse weather during this time of the year, we are estimating that 5 months of monitoring will be required. This will also allow additional monitoring time after construction ends for final stabilization of the site.

The General Stormwater Permit requires that EPD be notified prior to the start of construction. This is accomplished by filing a Notice of Intent (NOI) by at least one week prior to the commencement of any construction activity. It also requires that an Erosion, Sedimentation and Pollution Control Plan be developed and implemented, utilizing Best Management Practices (BMP's). The development and implementation of a Comprehensive Monitoring Program (CMP) is also required. This program requires storm water sampling, weekly site inspections, and post rainfall event inspections, all by qualified personnel.

Based on our Erosion Control Plan, two stormwater monitoring stations will be required. Therefore, we propose to provide services to comply with the Permit, based on the following items of work:

1. We will prepare the Notice of Intent (NOI), and submit to Environmental Protection Division. *Lump Sum Fee $500.00*

2. We will develop a Comprehensive Monitoring Plan (CMP) based on the information shown on the Erosion Control Plan. *Lump Sum Fee $1,500.00*

3. We will provide and maintain two automatic stormwater samplers over the 5-month construction period, and perform turbidity analysis.
Lump Sum Fee $4,000.00

4. We will provide stormwater sampling of rainfall events including required post-rainfall and daily inspections.
15 *Events Estimated @ $245 Ea. = $3,675.00*

5. We will perform daily inspections of fuel storage areas and construction entrances and exits. 35 *Events Estimated @ $115 Ea. = $4,025.00*

6. We will perform post rainfall inspections, which will include the daily inspection. 15 *Events Estimated @ $ 165 Ea. = $2,475.00*

7. We will perform weekly inspections of the entire site which will include the daily inspection 15 *Events Estimated @ $165 Ea. = $2,475.00*

8. We will submit results to EPD by the 15th day of the month following the reported period, and complete other required documentation.
Lump Sum Fee - $300.00

TOTAL ESTIMATED FEE BASED ON ABOVE UNIT PRICES - $18,950

We propose to perform the services for a lump sum fee of $18,950, based on the above stated items of work. If the construction period exceeds 5 months, we propose to provide the services on a unit price basis until the final Notice of Termination (NOT) is filed with EPD. The proposed additional work would be performed in accordance with the above unit costs. The price for the stormwater sampling unit, for additional work, will be prorated, based on the 5-month lump sum fee.

If the stormwater samplers are damaged or destroyed by the Contractor, the Board of Regents will reimburse Williams, Sweitzer and Barnum for the repair or replacement of the unit or units, as appropriate.

If you are in agreement with this proposal, please sign below and return one copy to our office. Invoices will be submitted monthly and are payable upon receipt. We look forward to working with the Board of Regents on this project.

Sincerely,

WILLIAMS, SWEITZER AND BARNUM, INC.

Robert L. Moss, P.E., R.L.S.

RLM/js

The above is understood and accepted:

By:_____ Date:_____

c: Mr. C. Timothy Fish
Mr. Doug Webb

correspondence/rlm/j dorsey npdes march 15 2002

WILLIAMS, SWEITZER & BARNUM, INC.

Robert L. Moss, P.E., R.L.S.
John E. Schrock, P.E.

ENGINEERS • SURVEYORS

2232 Redmond Circle
Rome, Georgia 30165-2087
Telephone: 706/234-0552
Facsimile: 706/234-0556

March 15, 2002

Mr. J. Hollis Dorsey, Jr., AIA
Board of Regents of the
University System of Georgia
270 Washington Street, S.W., Suite 6097
Atlanta, GA 30334-9007

Re: Proposed Survey Staking Services
Floyd County Bartow Center
Bartow County, Georgia

Dear Mr. Dorsey:

We are pleased to present the following proposal for providing surveying services for locating and field staking various elements of the above referenced project.

These services will include, but not be limited to, general construction stakeout of roadways, parking, drainage features and stormwater retention facilities. We will also provide slope staking and cut stakes, which will reflect the final grades shown on the grading plan. We recommend that all grade staking be performed after the finalized plans have been approved by Bartow County. We are anticipating that the phases for stakeout services will be as follows:

1. ***Stakeout of initial erosion control structures, clearing limits, and tree save areas. This phase will also include rough grade staking of the entire site and retention pond layout.***

2. ***Stakeout of curb and gutter, drainage structures, and placement of hub stakes for final grading.***

3. ***Stakeout and placement of blue-top hubs for base/pavement construction.***

We request that we be given two days notice, prior to the time that staking services are needed. Every effort will be made to have the crew on-site within two days, barring adverse weather conditions. Please be advised that repetitive stakeout due to destruction of points by equipment, will require additional time and will cause the budget to be exceeded. If this is encountered, we will notify you, as the owner, immediately.

For services outlined above, we propose to complete the work on a time and expense basis, with an estimated maximum budget of $39,500, which will not be exceeded without prior authorization from you. Bills will be submitted on a monthly basis.

It is understood and agreed that the maximum liability of the surveyor/engineer, with respect to or arising out of the obligations herein, and any duty assumed relative to the obligations arising out of this agreement, shall be limited to the amount the client agrees herein to pay the surveyor/engineer.

If you agree with the above, please sign below and return one copy to our office. Invoices for this work will be submitted monthly, and will be payable upon receipt.

Respectfully yours,

WILLIAMS, SWEITZER AND BARNUM, INC.

Robert L. Moss, P.E., R.L.S.

RLM/js

The above is understood and accepted:

By:_____ Date: _____

c: Mr. C. Timothy Fish – Cooper Carry
Mr. Doug Webb – Floyd College

correspondence/rlm/j dorsey march 15 2002

BOARD OF REGENTS OF THE UNIVERSITY SYSTEM OF GEORGIA
270 Washington Street, S.W.
Atlanta, Georgia 30334-9007

OFFICE OF THE VICE CHANCELLOR
FOR FACILITIES

(404) 656-2246
FAX 657-7433

April 14, 2002

Mr. John Hudson
Dalton Utilities
P.O. Box869
Dalton, GA 30722-0869

RE: Relocation of Utility Lines
Property in Bartow County

Dear Mr. Hudson:

Thank you for responding to our request to explore the possibility of relocating transmission lines in Bartow County. The current project for the first building at this location cannot accommodate the funding for moving these lines. The next project will include that cost. Those funds are still a number of years away. I will contact again when they are available.

Thank you for your assistance in this matter.

Sincerely,

J. H. Dorsey, AIA
Program Manager

cc: President Randy Pierce, Floyd College
Mr. Doug Webb, Director Plant Ops, Floyd College
Mr. Bill McMullen, Georgia Power

JHD
wpfiles/floyd/dltnpower3.doc

BOARD OF REGENTS OF THE UNIVERSITY SYSTEM OF GEORGIA
270 Washington Street, S.W.
Atlanta, Georgia 30334-9007

OFFICE OF THE VICE CHANCELLOR
FOR FACILITIES

(404) 656-2246
FAX 657-7433

April 14, 2002

Mr. Tim Fish
Cooper, Carry, Inc.
3520 Piedmont Road, NE
Atlanta, Georgia 30305-1595

RE: Project No. I-87,
"Bartow Center",
Floyd College

Dear Mr. Fish:

I have received the drawings and narrative for your Schematic Submittal and have the following general comments:

1. You are within budget. Be aware the SCL is very close to your estimate and that design development considerations will have to be monitored carefully to maintain the budget.

2. The Boundary Survey for the 50 acres is needed immediately. I have spoken with Chuck Hardin about this. GSFIC will not be able to start construction on the property until the County buys it and deeds it back. The Boundary will define that deed.

Please note that our review was general in nature, to review conformance with the program and design criteria. Approval of this submittal shall not be construed to relieve the Architect/Engineer of responsibility for the adequacy, fitness, suitability, and correctness of architectural and engineering design for adherence to the Owner's program and for designing the work in accordance with sound and accepted engineering and architectural principles and all applicable codes and statutes.

You are authorized to proceed to the Preliminary Submittal phase of services following the incorporation of the above comments and comments of the institution. Should there be a conflict between comments of this office and the institution, please contact this office for resolution.

Sincerely,

J. H. Dorsey, Jr., AIA
Program Manager

cc: President Randy Pierce
Mr. Doug Webb
Mr. Christopher Bivins, CCA
Mr. David Thomson, CCA
Project General File

JHD
wpfiles\floyd\resd-I87.doc

COOPER CARRY

MEETING MINUTES

TO: File

FROM: Christopher Bivins CB

DATE: May 16, 2002

RE: **Floyd College Bartow Center**
CC Project No. 200120\D.1
BOR Project No. I-87
Preliminary Design Review

IN ATTENDANCE:

Board of Regents (BOR)
George Wingblade
Linda Daniels
J. Dorsey
Tim Maier
Jeff Owens

Williams, Sweitzer & Barnum
Chuck Hardin

COOPER CARRY, INC. (CC)
Jerry Cooper
Tim Fish
Christopher Bivins

Nottingham Brook & Pennington (NBP)
Charlie Pennington
Kevin Smith
Neil Struby

Floyd College (FC)
Randy Pierce
Doug Webb

Uzun & Case (UC)
Larry McDowell

Checks/Hornbein
Paul Cheeks

Waveguide (WG)
Phil Allison

COPIES: All Attendees, (BOR, J. Dorsey Only)

The following reflects the memory of the writer with regard to issues discussed, decisions made and direction given during the meeting on May 13, 2002, at the office of the Board of Regents. Any corrections and/or clarifications should be forwarded to COOPER CARRY within seven (7) days as these notes shall serve as the basis on which the Project will proceed.

3520
PIEDMONT ROAD, N.E.
ATLANTA
GEORGIA
30305 - 1595

telephone 404 · 237 · 2000
facsimile 404 · 237 · 0276

I. Budget

The project is in budget. Contingency is currently 6.5 percent.

II. Campus Masterplan/Site Plan Presentation

A. Role of project as anchor for future growth pattern.
B. Entry sequence from highway to parking areas.
C. Pedestrian paths to different building entries.

III. Plan Presentation

A. Different entries and their expected uses.
B. Location and integration of multiple program functions.
C. Classroom instructional layout
D. Flexibility for future uses.

IV. Imagery Presentation

A. North Georgia vernacular based materials selection.
B. Architectural delineation of entries and other functions.
C. Style as precedent for future campus discussed.

V. Systems

A. Data, A/V, Telecom
   1. Server Room is MDF Room for future campus. Stub-outs for connection to future buildings anticipated.
   2. Category 6 data wiring anticipated.
   3. Hubs, routers and switches are not included in the construction budget.
   4. Classroom A/V systems will be self contained. Conduit for future connection to main A/V Control Room is anticipated.
   5. Large tiered classroom will be configured for future distance learning capability.

B. Mechanical and Electrical Systems
   1. The building will have three (3) air handling units, one in the main Mechanical Room and the other two in Mechanical Attics.
   2. Heating is hydronic with a gas-fired boiler. Hydronic heating offers future flexibility regarding the heat source.
   3. The emergency generator is natural gas-fired.

C. Civil
   1. Provisions for drilled well anticipated. It will be used to maintain a minimum water level in the retention pond along Georgia 20, and for irrigation water.
   2. Drainage issues discussed.

3. Foundation drains and downspouts piped directly to the storm water system are anticipated.

D. Structure

1. The soils report indicated shallow footings are acceptable; piles will not be required.
2. Soil under the building is Class D. This is not unusual, but does require additional reinforcing to meet seismic requirements.
3. Basic structure is a concrete moment frame.
4. Roof structure is typically steel, using hot-rolled members or light-gauge framing depending on suitability. A heavy timber truss system is anticipated at the library.
5. The west portion of the three-story wing will be on engineered fill.
   a. Compaction of fill being monitored by an independent testing agency.
   b. Optional approach is to drop footings in fill area to rest on undisturbed soil.

E. Schedule and Bidding

1. Schedule currently shows Bid Opening the week after Thanksgiving. Preference stated for Bid Opening to be before Thanksgiving. Please see revised schedule attached.
2. GSFIC needs to approve Bid date.
3. BOR prefers Contractor pre-qualification. Criteria need to be approved by GSFIC.

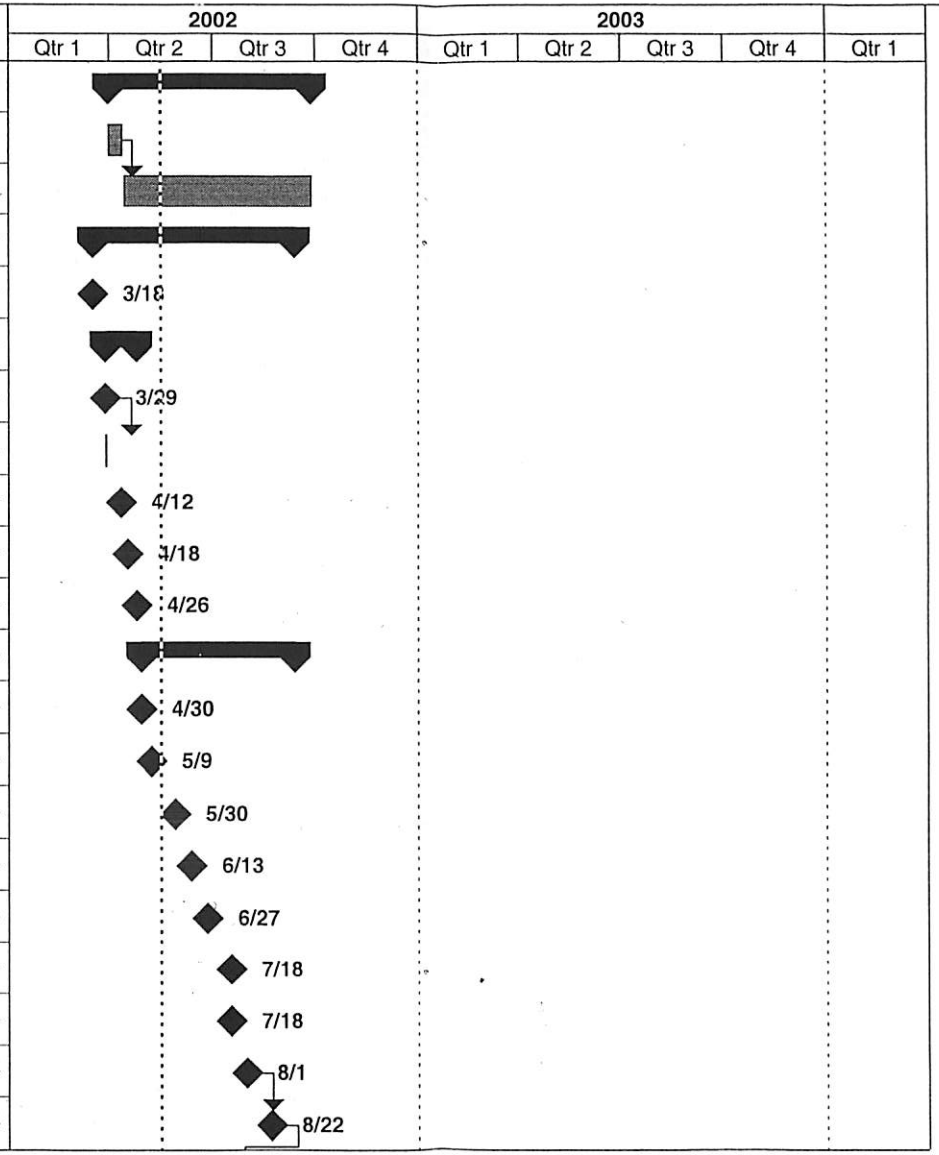
VI. Approvals

A. Preliminary design was approved. Construction Document phase may proceed.

Bartow Center
Floyd College

Preliminary
Schedule

ID	Task Name	Duration	Start	Finish
1	**Utility/Infrastructure Constructi**	**130d**	**4/1/02**	**9/27/02**
2	Notice to Proceed	10d	4/1/02	4/12/02
3	Construction	120d	4/15/02	9/27/02
4	**Facility Design**	**129d**	**3/18/02**	**9/12/02**
5	**Schematic Submittal**	0d	3/18/02	3/18/02
6	**Design Development**	**20d**	3/29/02	4/26/02
7	DD Coord Mtg	0d	3/29/02	3/29/02
8	Develop Docs	1d	3/29/02	3/29/02
9	Pricing Set	0d	4/12/02	4/12/02
10	DD Coord Mtg	0d	4/18/02	4/18/02
11	DD Submittal to FC	0d	4/26/02	4/26/02
12	**Construction Docs**	98d	4/30/02	9/12/02
13	Fire Marshall Review(tent	0d	4/30/02	4/30/02
14	Coord Mtg	0d	5/9/02	5/9/02
15	Coord Mtg	0d	5/30/02	5/30/02
16	50% Printing	0d	6/13/02	6/13/02
17	Coord Mtg	0d	6/27/02	6/27/02
18	75% Printing	0d	7/18/02	7/18/02
19	Coord Mtg	0d	7/18/02	7/18/02
20	100% Printing(GSFIC/Ha	0d	8/1/02	8/1/02
21	Rev Comments anticipate	0d	8/22/02	8/22/02



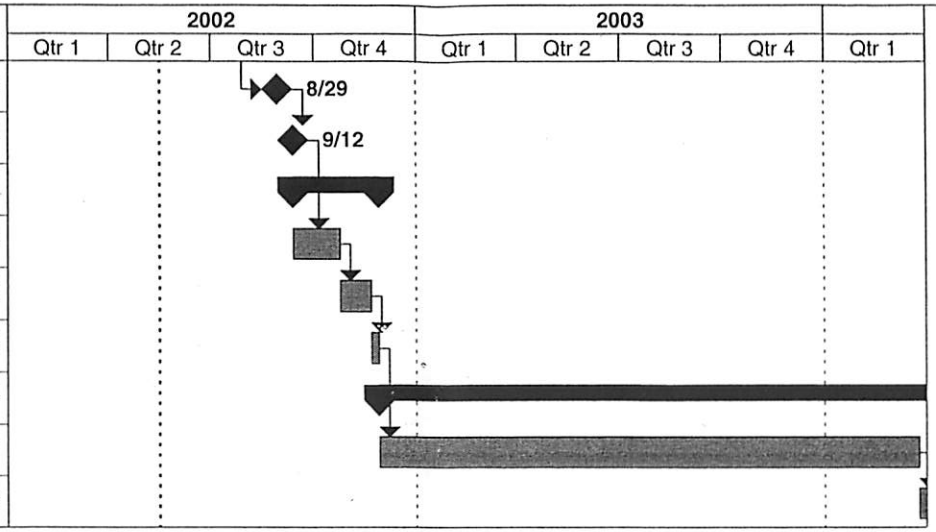
Project:
Date: 5/16/02

Task
Progress
Milestone
Summary
Rolled Up Task
Rolled Up Milestone
Rolled Up Progress

Bartow Center
Floyd College

Preliminary
Schedule

ID	Task Name	Duration	Start	Finish
22	Coord Mtg	0d	8/29/02	8/29/02
23	Submit for Permit	0d	9/12/02	9/12/02
24	**Facility Bid**	55d	9/13/02	11/28/02
25	Review/Approval/Advertise	30d	9/13/02	10/24/02
26	Bid	20d	10/25/02	11/21/02
27	Notice to Proceed	5d	11/22/02	11/28/02
28	**Facility Construction**	**375d**	11/29/02	5/6/04
29	Construction	345d	11/29/02	3/25/04
30	Furnishings/Systems	30d	3/26/04	5/6/04



Project:
Date: 5/16/02

Task
Progress
Milestone
Summary
Rolled Up Task
Rolled Up Milestone
Rolled Up Progress

COOPER CARRY

MEETING MINUTES

TO: File

FROM: Christopher Bivins

DATE: July 3, 2002

RE: **Floyd College Bartow Center**
CC Project No. 200120\D.1
BOR Project No. I-87
Meeting June 27, 2002

IN ATTENDANCE:

Floyd College (FC)
Doug Webb

Uzun & Case (UC)
Merissa Gamba

Nottingham Brook & Pennington (NBP)
Kevin Smith
Neil Struby

Waveguide (WG)
Phil Allison

ADE Consultants (ADE)
Dan Ergle

COOPER CARRY, INC. (CC)
Marie Babb
Christopher Bivins
Tim Fish

COPIES: All Attendees

The following reflects the memory of the writer with regard to issues discussed, decisions made and direction given during the meeting on June 27, 2002, at the office of COOPER CARRY. Any corrections and/or clarifications should be forwarded to COOPER CARRY within seven (7) days as these notes shall serve as the basis on which the Project will proceed.

3520
PIEDMONT ROAD, N.E.
ATLANTA
GEORGIA
30305 - 1595

404 · 237 · 2000
404 · 237 · 0276

A. Loading Area
   1. No dock lift required. Floyd College trucks making deliveries have their own lifts.
   2. One dumpster will be used. There will be no provisions for a compactor.
   3. Fire Department access to the loading area was discussed. CC to set-up a meeting with Chief Bailey at Bartow County to discuss.

B. A/V, Data Wiring
   1. Cable tray and conduit from classrooms to future A/V Control Room is included in the base building budget.
   2. A/V cabling, connections and testing are in the A/V budget.
   3. Data cabling from classrooms to IDF rooms, terminations, termination devices, including patch panels in the IDF rooms, and testing and labeling of the data cabling is included in the base building budget.

C. Classrooms
   1. Floyd College would like to have fixed desks in all the Large Classrooms and half in the Medium Classrooms. Floyd College is to provide CC with the size of the desks and which classrooms should get the desks. CC to coordinate with Floyd and NBP to locate power and data supply for the desks.
   2. Waveguide stated that the flat classrooms need no special acoustical treatment.
   3. Projection screens will be HDTV format (16:9 aspect ratio). Waveguide to provide sizes.
   4. Waveguide to review A/V Closet sizes and provide minimum sizing guidelines.
   5. Classroom speakers to be recessed into walls. Waveguide to review details used at the UGA Student Learning Center and provide any corrections, along with size requirements for the different classrooms.

D. Structural Concerns
   1. UC requested that no penetrations be made through the beams along the south and west sides of Stair 2. This is the IDF Room on the 2nd and 3rd floors.
   2. UC requested the bathroom exhaust chase location be adjusted if possible to fall between joists. *After investigating, CC decided to leave chase locations as is.*
   3. UC requested concrete curb or steel rail under AHV in attics instead of a full concrete pad. NBP to proceed assuming either curb or rail support instead of a pad.

E. MEP Concerns
   1. NBP to include specification for gas fireplace logs.
   2. NBP to coordinate power supply for irrigation pump with CC, WSB and landscape architect.
   3. Technical Services Area:

a. This area to have a completely independent HVAC system for emergency use. The system will be similar to a residential system, giving more flexibility but reduced lifespan. The entire system will be on emergency power. Condensers for the units will be located adjacent to the space on the east side of the building, and fan coil units will be located inside the technical services area.

b. HVAC for the Server Room will remain on a separate Liebert unit.

4. Atrium

a. If the Library is included in the Atrium volume, two (2) 125 horsepower fans will be required to exhaust the space.

b. If the Library is excluded by, either a glass wall or roll-down shutters, a single 10 horsepower fan will suffice.

c. The fan(s) must be on emergency power. The two (2) 125 horsepower motors would dramatically increase the size and cost of the emergency generator. *With input from Dr. Pierce and ADE, it was decided to proceed with 1-hour rated roll down fire shutters at he far openings along column line 11 to separate the Library from the Atrium in the event of a fire.*

5. CC to verify if the elevator(s) is required to be on emergency power.

6. Site lighting is in the project for now. A potential deductive alternate would be to allow the power company to design and install the site lighting, recouping their cost through a maintenance agreement.

7. Electrical room doors should open out for maximum efficiency. CC to coordinate.

F. 75% Printing

1. Drawing and specifications are due to Cooper Carry on July 11, 2002. This is also the date that should be on the drawings.

2. Drawings should be printed half sizes (24 x 15).

3. Follow typical Cooper Carry specification format. Project information in the header should be as follows:

Bartow Center I-87
Floyd College - 200120