

DOCUMENT 00910
ADDENDUM NUMBER FOUR (4)
March 15, 2005

PROJECT: The University of Alabama School of Law - Renovation and Addition
University of Alabama
Tuscaloosa, Alabama
UA Project No. 025-03-127

FROM: KPS GROUP, INC.
2101 First Avenue North
Birmingham, Alabama 35203

TO: All of Record Holding Bidding Documents.

GENERAL:

This Addendum forms a part of the Contract Documents and modifies the original Construction Documents dated **February 21, 2005, Addendum Number 1, dated March 1, 2005, Addendum Number 2, dated March 4, 2005, and Addendum Number 3, dated March 10, 2005**, as noted below. The following conditions, drawings, specification changes, etc. take precedence over items in the drawings and specifications of the Contract Documents. Portions of the Contract Documents not changed by this Addendum remain in effect.

Bidders are advised to call attention to all sub-bidders and suppliers for any changes which may affect their work.

Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

CHANGES TO PRIOR ADDENDA:

1. **ADDENDUM NUMBER TWO (2):** The Bid Date has been extended from **March 18, 2005 to April 11, 2005** Change "BID OPENING" to read as follows:

"BID OPENING:

Sealed Bid Proposals **FOR THE BASE BID PORTION OF THE PROJECT** will be received by the University of Alabama in the Conference Room of the office of Construction Administration, located at 1205 14th Street, Tuscaloosa, Alabama 35401 until **2:00 PM CST, April 11, 2005**. Sealed Bid Proposals **FOR THE ADD ALTERNATES AND INFORMATION ITEMS PORTIONS OF THE PROJECT** will be received by the University of Alabama in the Conference Room of the office of Construction Administration, located at 1205 14th Street, Tuscaloosa, Alabama 35401 until **3:00 PM CST, April 11, 2005**, at which time and place **ALL BID PROPOSALS** will be opened and read.

CHANGES TO BIDDING REQUIREMENTS:

2. **Document 00100 - ADVERTISEMENT FOR PREQUALIFICATION AND BIDS:** Mandatory Pre-Bid Conference: The University of Alabama has **waived** the requirement for Bidder's participation in the Mandatory Pre-Bid Conference

CLARIFICATIONS:

1. Irrigation Drawing Sheet I-1.01 - Irrigation Plan: Toro hydraulic tubing only: Model #900-12, as described on Irrigation Legend Note #4.
2. Irrigation Drawing Sheet I-1.01 - Irrigation Plan: Verify with electrical engineer that 120 VAC power is available for the controller.

CHANGES TO APPENDIX:

3. Document A-00320 - GEOTECHNICAL REPORT: Add letter from TTL to the Geotech Report per **Attachment No. 1** included at the end of this Addendum.

CHANGES TO SPECIFICATIONS (Divs 1 - 16):

4. Section 02810 - Irrigation System: Article 2.2, delete Schedule 20 PVC pipe. No Schedule 20 PVC pipe is allowed on this project.
5. Section 02810 - Irrigation System: Article 2.3-H, change pressure rating for ball valves from 125 psi to 250 psi.
6. Section 07550 - Modified Bitumen Roofing: Paragraph 1.4.A.5.; Change inspection of roofing systems from "daily" basis to "weekly" basis.
7. Section 07550 - Modified Bitumen Roofing: Approved Substitutions:
 - "2.3.A.1. MODIFIED BITUMEN CAP/FLASHING SHEET
 - d. "Sopralene 180 FR GR"; SOPREMA
 - e. "Derbigum Derbicolor FR GP"; PERFORMANCE

CHANGES TO DRAWINGS:

8. Structural Drawing Sheet S1.1: Change note 2.2 to read as follows:
 - "2.2 Foundation design based on 16" diameter, 60 ton capacity auger cast piles with a 37 foot minimum embedments."

CHANGES TO DRAWINGS (ATTACHMENTS):

9. Irrigation Drawing Sheet I-1.01 - Irrigation Plan: Add 1" Schedule 40 PVC pipe from mainline to Hydraulic Controller for Hydraulic Supply Line per **Attached Irrigation Drawing #1**.
10. Irrigation Drawing Sheet I-2.01 - Irrigation Details: Revise Detail "F" per new **Attached Irrigation Drawing #2**.

THIS ADDENDUM CONSISTS OF TWO (2) TYPEWRITTEN PAGES, PLUS ONE (1) ATTACHMENT CONSISTING OF TWO (2) PAGES, PLUS TWO (2) 8 ½" x 11" ATTACHED DRAWINGS, FOR A TOTAL OF SIX (6) SHEETS.

END OF ADDENDUM NUMBER FOUR (4)



3516 Greensboro Avenue (35401)
Drawer 1128
Tuscaloosa, Alabama 35403
Telephone 205.345.0816
Facsimile 205.345.0992
www.TTLINC.com

Decatur . Florence . Montgomery . Tuscaloosa ALABAMA
Albany . Valdosta GEORGIA

March 14, 2005

Mr. Dale York, P.E.
LBYD, Inc.
716 30th Street South
Birmingham, AL 35233

Re: Addendum 3
The University of Alabama
Law School Renovation and Addition
Tuscaloosa, Alabama
TTL Project No. 020104-129

Dear Mr. York:

Based on deep foundation load tests performed at the Bryant-Denny Stadium Expansion project and at Coleman Coliseum, TTL recently initiated a review of the deep foundation recommendations made in our original geotechnical report for the Law School Renovation and Addition project, submitted on May 26, 2004. Shortly thereafter, we received a request from your office to review a request submitted by Russo Corporation to substitute drilled shafts for auger-cast piles at the same project. In completing our review and in response to your request, TTL has determined the recent load tests, performed subsequent to issuance of our geotechnical report, indicate the auger-cast pile and drilled shaft capacities recommended for the Law Center addition may be increased as detailed in the following paragraphs. The revised pile/drilled shaft sections were reviewed to ensure they provide sufficient uplift capacity based on information provided by your office. Additionally, based on information provided by your office, lateral loads are negligible and need not be evaluated in design. These allowable capacities, therefore, were not revised from those provided in the original report.

Auger-Cast Piles

Table 1. Revised Compressive Capacity of 16-inch Diameter Auger-Cast Piles

Minimum Pile Tip Elevation (ft)	Minimum Pile Length Below Bottom of Cap (ft) *	Allowable Compressive Capacity (kips) **
170	37	120
160	47	160

* Assuming a bottom/cap elevation of approximately 207 feet MSL

** Allowable capacities based on soil-pile contact lengths given in this table.

The configuration of the foundation system, including reinforcement, is the responsibility of the structural consultant.

At least one pile load test (ASTM D 1143) should be performed to confirm foundation design calculations, construction procedures, and the contractor's ability to install the specified piling. We recommend that the reaction piling, framework and load cell be sized to allow the test pile to be loaded to three times the design load. Our engineering staff in conjunction with the structural engineer should select the test pile location. Documentation of the test pile program will allow us to provide final recommendations for this foundation system including specific installation procedures.

Drilled Shafts

Table 2. Revised Compressive Capacity of Drilled Shafts

Shaft Diameter (in.)	Allowable Compressive Capacity (kips)*
24	540
30	730

* Shaft capacities based on pier extending a minimum of 2 feet into the weathered rock, activating the skin friction along 35 feet of the shaft, and an end bearing of 60 ksf.

Based on data from our borings, we anticipate the tip elevations will range from approximate elevations of 149 feet to 161 feet MSL. Shaft lengths will vary depending upon the depth to rock.

Drilled shafts, if utilized, should utilize a slurry installation method that complies with procedures set forth in Association of Drilled Shaft Contractors' (ADSC) "Drilled Shafts: Construction Procedures and Design Methods." Additional information can be supplied by TTL if required.

The recommendations contained in this letter reflect revisions to recommendations contained in TTL's original geotechnical report dated May 26, 2004, and are intended for use with all recommendations contained within that report. If you need additional information or if we can be of further assistance, please call us at 205-345-0816.

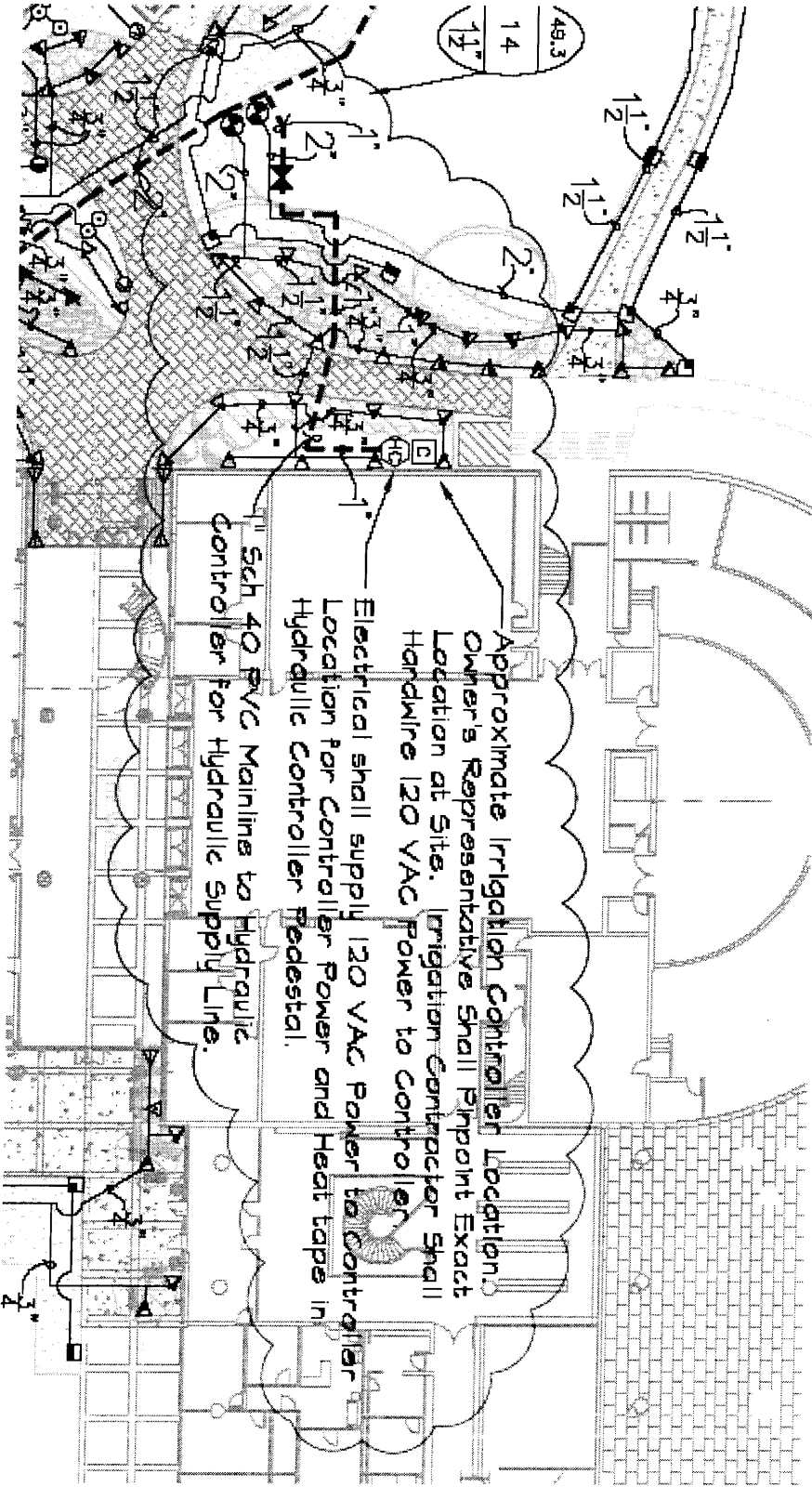
Sincerely,

TTL, Inc.


Stacey A. Housley, P.E.
AL Registration No. 19339


Harvey F. Upchurch, Jr., P.E.
AL Registration No. 19385

cc: Mr. James Adams (Hoar Construction/University of Alabama)



RELEASES / DATES

NOT FOR CONSTRUCTION
RELEASED FOR CONSTRUCTION

PROJECT TITLE
The University of Alabama School of Law
OWNER
University of Alabama Construction Administration
Box 870382
Tuscaloosa, AL 35487-0382

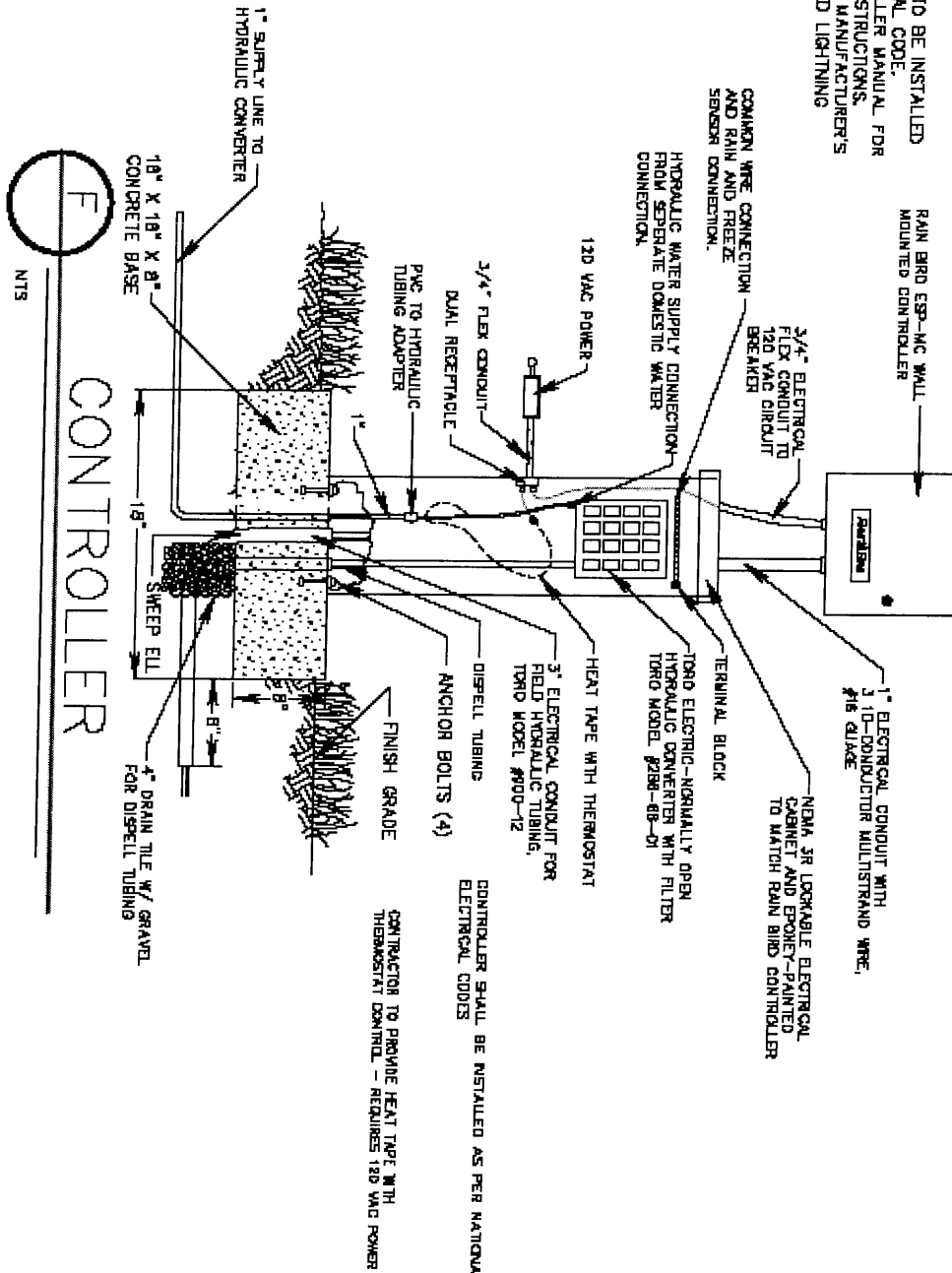
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FILENAME: ..._dwg

DATE 03/07/05
DRAWN ICS
REVIEWED CJ

SHEET TITLE
ADDENDA #
IRRIGATION MODIFICATIONS

PROJECT NUMBER DRAWING NUMBER
03601-01 IR #1
SHEET 2 OF 1

- NOTE:**
1. ALL WIRING TO BE INSTALLED AS PER LOCAL CODE.
 2. SEE CONTROLLER MANUAL FOR MOUNTING INSTRUCTIONS.
 3. INSTALL ALL MANUFACTURER'S RECOMMENDED LIGHTNING PROTECTION.



CONTRACTOR TO PROVIDE HEAT TAPE WITH THERMOSTAT CONTROL - REQUIRES 120 VAC POWER

CONTROLLER SHALL BE INSTALLED AS PER NATIONAL ELECTRICAL CODES

RELEASES / DATES

NOT FOR CONSTRUCTION
RELEASED FOR CONSTRUCTION

PROJECT TITLE
The University of Alabama School of Law
OWNER
University of Alabama Construction Administration
Box 870382
Tuscaloosa, AL 35487-0382

PATH: P:\... \cad
FILENAME:dwg

DATE: 03/07/05
DRAWN: ICS
REVIEWED: CJ

SHEET TITLE
ADDENDA #
IRRIGATION MODIFICATIONS

PROJECT NUMBER: 03601-01
DRAWING NUMBER: IR #2
SHEET 2 OF 1