University of Massachusetts  
Procurement Department  
140 Hicks Way  
407 Goodell Building  
Amherst MA 01003

July 9, 2015

Addendum # 3

Contract Number: UMA15-34  
Project Number: 10-000688  
Speedtype: 151603  
Title: Morrill IV North Plumbing upgrade

The attention of the bidders submitting proposals for the above subject project is called to the following addendum to the specifications and drawings. The items set forth herein, whether of omission, addition, substitution, or clarifications, are all to be included in and form a part of the proposal submitted.

The number of this Addendum (3) must be entered in the appropriate space “B. This bid includes addenda numbered (list all addenda) _____” found on Page 51 – Form For General Bid, and/or Page 59 - Form for Sub-Bid “B. This sub-bid includes addenda numbered (list all addenda)_____.

Question responses:

**Question 1):** The saw cutting and removal of concrete slab for the underground work in the building will be noisy and will have vibrations, how will that be handled by UMA?

**Answer 1):** Diamond blade saw cutting will be allowed. Jack hammering or any form of “impact tool” will not be allowed. We have had success with cutting the concrete slab into 2’ x 2’ sections and removing it in sections. Note that the vapor barrier under the slab in Morrill IV South constructed at the same time contained asbestos in a bituminous matrix.

**Question 2):** Can the entire floor be cut and removed at one time or will that work have to be phased?

**Answer 2):** We encourage the complete removal of the sections of the floor being cut. The hole will have to be “plated” to allow passage.

Further we encourage the use of pumped in “Engineered Fill” to achieve rapid compaction and quick reinstallation of the new floor slab. We have had excellent success with this system.
**Question 3):** Will the adjacent offices or labs be occupied during the floor cutting and excavation work?

**Answer 3):** The Labs and animal facilities adjacent to the floor cutting work will be occupied at all times. We will make arrangements to relocate critters and people from rooms actually under construction for the duration of the work.

**Question 4):** Does the hallway need to be open at all times for public use?

**Answer 4):** The hallway does need to be open to researchers and the Physical Plant for local access. However the general public may be excluded. Emergency Egress Codes must to be fully observed.

**Question 5):** Does the sanitary waste need to be operational at all times?

**Answer 5):** The sanitary and laboratory wastes needs to be generally available at all times (with provision for short interruptions for cutover of the system). Adequate notice of interruptions must be posted. The building must not be closed to the public so waste systems need to remain active. This will mean that the new system much be constructed and first and prepared to receive the cut over to the new systems as level of completion make that possible. All outside underground work must be completed before freezing winter conditions arrive. We are going to be particularly insistent on the water proof nature of the underground vault. Two piece underground vaults with poor seals have been problematic elsewhere at Morrill Science Center. Poorly engineered vault systems will be rejected by the University at the submittal stage.

End of Addendum 3

John O. Martin, Director of Procurement