ADDENDUM NO:  02 – Building Site & Structure
MONTANA STATE UNIVERSITY NEW DINING HALL – Site & Structure BP

DATE:  November 10, 2016

PROJECT:  Montana State University New Dining Hall, PPA A/E #15-0103

TO:   All plan holders of record

The above-numbered solicitation is amended as set forth below. Bidders/Offerors must acknowledge receipt of this amendment prior to the hour and date specified for receipt of bids/proposals, by completing the addendum acknowledgement on the form titled “Bid Proposal”.

BID FORMS:

1.  Substitution Request Form:  see attached form.

2.  Bid Package No. 2C – Site/Civil:
   a.  Delete item 13.
   b.  Change bid SCOPE ITEM item 19 to read:  Supply, install, maintain, and remove all SWPPP Best Management Practices requirements for duration of project and until final stabilization is reached. SWPPP permit provided by others. Includes install and removal of concrete washout and access track-off pads, as required. Include sweeping of streets as needed for own work and all other tracking from other trades, as required. At a minimum, include sweeping the project site and adjacent streets 125 times during the duration of this project.
   c.  Add item 54: Include supply, installation, and removal of ramp to access the basement. This ramp will need to be constructed in a manner that will allow a rough terrain forklift to utilize it efficiently and safely.

3.  Bid Package No. 5A – Structural Steel, Steel Joist, Steel Decking, Metal Fabrications, Metal Stairs, & Gratings (Furnish Only – No Installation)
   a.  Add item 25. Include a 3/16” countersunk hole @ 2’ o.c. in the perimeter angle at the first floor SOD.

SPECIFICATIONS:
4. SECTION 05 1200, subsection 2.01: delete section 2.01 in its entirety.

5. SECTION 05 7000, Part 2: delete part 2. Replace with the following:
   a. Decorative metal railings – upright posts, anchors and top rail to be custom fabricated as indicated on drawings.
   b. Cable system: Feeney Standard Cable Rail Assembly or approved equal
      i. Quick-Connect SS fitting
      ii. 1x19, 316 grade stainless steel, 3/16”
      iii. Threaded Terminal Fitting (factory swagged)
      iv. Snug-Grip Washer Nuts with Dome End Caps in stainless steel finish

DRAWINGS

6. Clarification: Irrigation Sleeves: see landscape plans for locations of irrigation sleeves.

7. Civil Sheets: Replace all Civil drawings with drawings attached as part of this addenda. Revision are clouded and noted on the revised sheets.

8. Landscape Sheets: Replace all Landscape drawings with drawings attached as part of this addenda. Revision are clouded and noted on the revised sheets.

9. Structural Sheets: Replace structural drawings, Revision are clouded and noted on the revised sheets.

S100: Make the following changes:
   • Concrete Notes: In the concrete properties table, change “MIN.” MAXIMUM AGGREGATE SIZE to read “MAXIMUM AGGREGATE SIZE.”
   • Concrete Notes: In the concrete properties table, change the maximum water-cement ratio for slabs-on-grade / slabs-on-metal deck to be 0.43.
   • Structural Steel Notes: In Note 2 under “STRUCTURAL PIPE” members change to read as follows: “STRUCTURAL STEEL PIPE: ASTM 53 (STANDARD WEIGHT, X-STRONG, XX-STRONG), GR. B.”

S201: Add four (4) HSS6x2x1/4 cladding support columns and associated “BP-4” callouts in the location referenced on the attached Sheet S701.

S202: Change floor beam size to W12x40 as shown on the attached AD2-S1.

S300: Replace Detail 3/S300 with the attached AD2-S2.
S302: Add four (4) HSS6x2x1/4 cladding support columns and associated “BP-4” callouts to the column schedule in the location referenced on the attached Sheet S701.

S600: In Detail 10/S600, change circular beam seat plate to be 1”, Gr. 50 plate.

S700: Replace Detail 5/S700 with the attached AD2-S3.

S701: Replace with the attached Sheet.

S900: Make the following changes:
- Detail 1/S900: Add the following callout in reference to the stair landing, “STAIR LANDING 2 CONCRETE OVER 1½” x 20 GA. COMPOSITE DECKING W/ #3 @ 12” EA WAY”.
- Detail 4/S900: Add the following callout in reference to the stair landing, “STAIR LANDING 2 CONCRETE OVER 1½” x 20 GA. COMPOSITE DECKING W/ #3 @ 12” EA WAY”.

S901: Make the following changes:
- Detail 1/S900: Add the following callout in reference to the stair landing, “STAIR LANDING 2 CONCRETE OVER 1½” x 20 GA. COMPOSITE DECKING W/ #3 @ 12” EA WAY”.
- Detail 11/S900: Add the following callout in reference to the stair landing, “STAIR LANDING 2 CONCRETE OVER 1 1/2"x20 GA. COMPOSITE DECKING W/ #3 @ 12" EA WAY. AT TRANSVERSE BARS, PROVIDE ASTM A706, GR. 60 WELDABLE REINF. BARS FIELD WELDED (3/16" FILLET) TO STAIR STRINGERS, TYP.”.

10. Sheet A410: this sheet has been added to the project. See attached

11. Sheet AD2-A1: stair nosing: all nosings at stairs 199S1, 198S2, and 196s4 (eastern stairs to mezzanine and NW stair to basement) to have Handi-Tread non-slip aluminum stair nosing. See attached detail.

12. Sheet A503: this sheet has been added to the project, See attached

13. Sheet S100, “STRUCTURAL STEEL” delete note 3: Note 3 requirement for AES does not apply to structural steel in this project.

PRIOR APPROVALS

All material supplied to the project must meet or exceed the quality, performance, and have similar features to the product originally specified. It is the contractor’s responsibility to ensure that substituted equipment matches the exterior dimensions, weight, and configuration of the specified equipment.
1. 072600 Vapor Barrier: Viper Vaporcheck II 15 mil approved.
2. ES01: Lighting Fixture ‘Z3’ Approved Priors:
   - Cole Lighting L131W-BLK (277V)
   - Lumex SLS750/LED/120/277/BLACK
### SUBSTITUTION REQUEST
(During The Bidding Phase)

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### Proposed Substitution:

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Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:
- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted By: _____________________________
Signed By: _______________________________
Firm: ________________________________
Address: ________________________________ Telephone: ________________________________

### A/E's REVIEW AND ACTION

- [ ] Substitution approved - Make submittals in accordance with Specification Section 01330.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01330.
- [ ] Substitution rejected - Use specified materials.
- [ ] Substitution Request received too late - Use specified materials.

Signed By: ______________________________
Date: ________________________________

Supporting Data Attached: [ ] Drawings  [ ] Product Data  [ ] Samples  [ ] Tests  [ ] Reports
POURED IN PLACE CONCRETE
STAIR TREADS W/ BLACK COLOR
ADMIXTURE & TOPICAL STAIN

NON-SLIP ANODIZED ALUMINUM
STAIR NOSING, TYP (MFR: HANDI-
TREAD). PROVIDE BLOCK OUT OF
SAME DIMENSIONS AS NOSING FOR
CASTING TREAD. ATTACH NOSING
TO CONC. TREAD W/ 3/16" DRIVE
PIN ANCHORS

1 1/8" 2 3/4"

STEEL STRINGER
BEYOND - PAINTED

1 1/2" = 1'-0"

STEEL PAN STAIR BOTTOM AT SLAB

1

1.1 STEEL PAN STAIR BOTTOM AT SLAB
1 1/2" = 1'-0"
**C.I.P. Concrete Seat Wall - Freestanding**

- **Forming.** Review with architect prior to maintaining 6" clear from the top of wall form tie holes to be expressed.
- **Note:** Maintain 2' spacing.

"Chamfer, typ.

**Cross Section**

**Longitudinal Section**

**C.I.P. Concrete Seat Wall - Outlet**

- **Approx. FG.**
- **Forming.** Review with architect prior to maintaining 6" clear from the top of wall form tie holes to be expressed.
- **Note:** Maintain 2' spacing.

"Chamfer, typ.

**Section**

**Elevations**

**Keys**

- **Existing Conditions**
  - 1. Existing Catchment Basin.
  - 2. Existing Storm Drain.
  - 3. Existing Drainage Structure.
  - 4. Existing Culvert.
  - 5. Existing Drainage Structure.
  - 6. Existing Storm Drain.
  - 7. Existing Drainage Structure.
  - 8. Existing Storm Drain.

- **Landing**
  - 1. Landscaped Area.
  - 2. Sidewalk.
  - 4. Sidewalk.
  - 5. Sidewalk.
  - 7. Sidewalk.

- **Drainage**
  - 1. Trench Drain.
  - 2. Trench Drain.
  - 3. Trench Drain.
  - 4. Trench Drain.
  - 5. Trench Drain.
  - 6. Trench Drain.
  - 7. Trench Drain.
  - 8. Trench Drain.

- **Concrete**
  - 1. Concrete Slab.
  - 2. Concrete Slab.
  - 3. Concrete Slab.
  - 4. Concrete Slab.
  - 5. Concrete Slab.
  - 6. Concrete Slab.
  - 7. Concrete Slab.
  - 8. Concrete Slab.

- **Brick**
  - 1. Brick.
  - 2. Brick.
  - 4. Brick.
  - 5. Brick.

- **Lighting/Electrical**
  - 1. Electrical Fixtures.
  - 2. Electrical Fixtures.
  - 3. Electrical Fixtures.
  - 4. Electrical Fixtures.
  - 5. Electrical Fixtures.
  - 6. Electrical Fixtures.
  - 7. Electrical Fixtures.
  - 8. Electrical Fixtures.

- **Planting**
  - 1. Trees.
  - 2. Trees.
  - 3. Trees.
  - 4. Trees.
  - 5. Trees.
  - 6. Trees.
  - 8. Trees.

- **NOTES**
  - 1. Existing underground header adjustments, per code.
1. ALL HANDRAILS WILL REQUIRE SKATE DETERRENTS PLACED 4'-0" O.C.

NOTE:

2. LIGHT BROOM FINISH PARALLEL TO TREAD

1'-3"

NOTE:

2. PROVIDE SHOP DRAWINGS FOR HANDRAILS

" COVER OVER ALL STEEL

1 1/2" DIA SS TUBE RAIL

8.0 6.0 4.0 2.0 0.0

1.0 5.0

2.1 2.1

0.0 1.0

8.0

T

R

PLANTING

LIGHTING/ELECTRICAL

1.3 CRUSHED STONE PAVING 6/ LD5.01

1.2 6" CONC. PAVING, LIGHT EXPOSED AGGREGATE PAVING

1.1 6" CONC. PAVING, LIGHT BROOM FINISH 1/ LD5.01

EXISTING CONDITIONS

8.6 TURF RE: SPECS

8.5 TRIANGULATION SPACING DETAIL 3/ LD5.06

8.4 PERENNIAL/GROUND COVER PLANTING 5/ LD5.06

8.3 SHRUB PLANTING 4/ LD5.06

8.2 DECIDUOUS TREE PLANTING ON SLOPE 2/ LD5.06

8.1 DECIDUOUS TREE PLANTING 1/ LD5.06

EXISTING CONDITIONS

6.3 STREET LIGHT RE: ELEC

6.2 WALL LIGHT RE: ELEC

6.1 PEDESTRIAN LIGHT RE: ELEC

5.8 AREA INLET RE: SPECS

5.7 TRENCH DRAIN RE: SPECS

5.6 CUSTOM TREE GUARD 7/LD5.06

5.5 RECYCLING RECEPTACLE RE: SPECS

5.4 LITTER RECEPTACLE RE: SPECS

5.3 NOT USED RE: SPECS

5.2 BICYCLE RACK - SIZE VARIES, RE: PLAN RE: SPECS

5.1 MOVABLE TABLES AND CHAIRS RE: SPECS

SITE FURNISHINGS/DRAINAGE

3.7 OUTDOOR DINING BAR 1/LD5.04

3.6 CONC STAIRS & HANDRAIL 1/LD5.05

3.5 C.I.P. CONC RETAINING WALL 3BLD5.03

3.3 C.I.P. CONC FREESTANDING WALL 3A/LD5.03

3.2 2'-6" FREESTANDING SEAT WAL 1/LD5.03

3.4 LAWN TERRACE CURB 2/LD5.02

3.1 2'-6" SEAT/RETAINING WALL 2/LD5.03

STEPS, WALLS, CURBS, STRUCTURES

2.3 SAW CUT CONTROL JOINT, PAVING 2/ LD5.01

2.2 SEALED EXPANSION JOINT, WALL 4/ LD5.01

2.1 SEALED EXPANSION JOINT, PAVING 2/ LD5.01

0.8 EXISTING TREE(S), PROTECT RE: CIVIL

0.7 EXISTING CURB & GUTTER RE: CIVIL

0.6 EXISTING ASPHALT PAVING RE: CIVIL

0.5 EXISTING CONCRETE PAVING RE: CIVIL

0.4 EXISTING LIGHT POLE RE: CIVIL

0.3 EXISTING UTILITY POLE RE: CIVIL

0.2 EXISTING MANHOLE RE: CIVIL

0.1 EXISTING UTILITY RE: CIVIL

100% CD BUILDING SHELL PERMIT SET

A/E#

PPA#

ARCHITECTURE - PLANNING - DESIGN

100% CD BUILDING SHELL PERMIT SET

1 ADDENDA 02 11.10.16

1200 Bannock Street

Fax. 303.825.0438

Tel. 303.571.0053

Denver, Colorado 80204

10/26/2016 4:14:27 PM

DATE STAMP:
GENERAL LAYOUT NOTES

ALL MINOR SURFACES, DETAIL LAYOUTS, ELEMENTS AND SYMBOLS ARE BASED ON CURRENT BUILDING CODES, AND ARE INTENDED AS A GENERAL GUIDE TO THE INSTALLATION OF MATERIALS AND SYSTEMS. THEY ARE NOT TO BE CONSIDERED AS AN ALTERNATIVE TO TRADITIONAL METHODS OF INSTALLATION. THE CONTRACTOR IS TO APPLY ALL LOCAL BUILDING CODES AND ORDINANCES PRIOR TO CONSTRUCTION.

ALL MATERIALS ARE TO BE USED ON THE PROJECT IN THE MANNER STRONGLY RECOMMENDED TO ENSURE THE BEST POSSIBLE QUALITY OF WORK. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY MISTAKES MADE IN THE INSTALLATION OF MATERIALS AND SYSTEMS.

GENERAL GRANDEUR/ARTHEWORTHY NOTES

MEMBER SLOPES & LANDSCAPE AREAS SHALL BE COVERED WITH A 2" THICK LAYER OF COIR HAY. ALL HARDSCAPES SHALL BE IN THE MANNER SHOWN IN THIS PLAN. ALL GUTTERS AND DRAINS SHALL BE ADEQUATELY MAINTAINED TO PREVENT ANY DAMAGING OF THE LANDSCAPE.

MEMBER SLOPES SLOPE SHELLS SHOULD BE COVERED WITH 1" THICK COIR HAY. MEMBERS SLOPES SHOULD COVER THE HAY WITH A 2" THICK LAYER OF COIR HAY. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY MISTAKES MADE IN THE INSTALLATION OF MATERIALS AND SYSTEMS.

FINISHING OF THE FIELD AND MAINTENANCE OF THE LANDSCAPE ARE TO BE CONSIDERED PRIOR TO PLANNING AND DESIGN.

CONTRACTORS TO DESIGNE AND FINISH ALL PROPOSED AREAS IN ORDER TO CREATE A COMPLETE LANDSCAPE DESIGN AND TO ENSURE COMPLETE COMPLIANCE WITH THE GENERAL LAYOUT NOTES.

SYMBOL LEGEND

- **LANDSCAPE SYMBOLS**
- **PLANTING SYMBOLS**
- **HARDSCAPE SYMBOLS**
- **STRUCTURAL SYMBOLS**
- **SURFACE SYMBOLS**
- **EARTHWORK SYMBOLS**
- **WATER SYMBOLS**
- **GENERAL LAYOUT SYMBOLS**

NOTES

1. **EXISTING BOUNDARIES REQUIRE HEIGHT ADJUSTMENTS**
2. **ADJUSTMENTS**
3. **NOTES**
4. **PROFESSIONAL NOTES**
5. **GENERAL NOTES**
6. **MATERIALS NOTES**
7. **METHODOLOGY NOTES**
8. **EARTHWORK NOTES**
9. **WATER NOTES**
10. **GENERAL LAYOUT NOTES**

KEYNOTES

- **NOTES**
- **ADJUSTMENTS**
- **REMARKS**
- **MATERIALS**
- **METHODS**
- **SPECIALS**
- **EARTHWORK**
- **WATER**
- **GENERAL LAYOUT**


ARCHITECT: Mosaic Architects

CONTRACTOR: R&L Construction

MATERIALS: District Materials

GENERAL CONTRACTOR: R&L Construction

GENERAL NOTES

- **LANDSCAPE**
- **PLANTING**
- **HARDSCAPE**
- **STRUCTURAL**
- **SURFACE**
- **EARTHWORK**
- **WATER**
- **GENERAL LAYOUT**

SHEET 01

SHEET 02

SHEET 03

SHEET 04
SEE GENERAL STRUCTURAL NOTES ON SHEET S100 FOR ADDITIONAL REQUIREMENTS.

STUD WALLS ARE SHOWN FOR INFORMATION ONLY. SEE ARCHITECTURAL FOR DIMENSIONS, WHERE REQUIRED BY CONTRACTOR, PROVIDE JOINT PER DTL. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS.