

Batchelor Hall Building System Renewal Construction Update

ALL BATCHELOR HALL OCCUPANTS AND DEPARTMENT LEADERSHIP,

Please be advised that the following activities will be occurring at the Batchelor Hall Building for the week of July 25, 2022, through July 29, 2022.

Site, Roof and Basement:

- Research and Identification of Mechanical, Electrical & Plumbing Piping.
- Setting Racks for Plumbing Piping
- Shutdown of Steam System
- Rebuilding Steam PRV Station

Area A (Main Building):

- Install Anchors for Conduit Runs in Basement.
- Install Plumbing Piping in Basement.
- Preparation and Planning for Mechanical Piping Systems.
- Installing Plumbing and Electrical in Room 2163.
- Install of Fan Coil Units in Room 2163
- Research in Rooms for Planning Duct Routing

Area B (South Building):

- Install Conduit in Corridors for New Lights.
- Install Fire Alarm in Labs.
- Install New Ductwork.
- Install Fume Hood Exhaust.
- Relocation of Industrial Cold Water Piping

We will be performing trenching for the installation of underground conduit work in Parking Lot 11 for the week of August 1, 2022 through August 26. Please see the attached Method of Procedure and plan. Parking will not be affected at this time. We will notify you in advance if this changes.

If you have any questions or concerns please feel free to email me or John Franklin (john.franklin@ucr.edu or call 951-203-7910).

The UCR Batchelor Hall Team recognizes that construction activities will at times pose inconveniences and disruption to the building occupants. We thank you for your patience during the construction of this project.

Vilma C. Kern

PROJECT MANAGER



UNIVERSITY OF CALIFORNIA, RIVERSIDE
1223 UNIVERSITY | AVE SUITE 240 | RIVERSIDE CA 92507
P: 951-827-2464 | C: 951-534-2203 | vilma.kern@ucr.edu



June 23, 2022

4-week underground conduit look ahead.

Week 1

- Onsite meeting with UG scanner to verify area to be covered.
- Area to be scanned is blocked off with caution tape.
- Scanning exterior area should be 1 – 2 days total.
- Saw cut asphalt in area of conduit runs 1 day total
- If any obstructions are found, a meeting with UCR will be called to come up with a plan to move forward.

Week 2

- Close out area for underground excavation
- Lay down traffic plates as needed to maintain access to parking area when not actively working on the pass-through areas
- Remove and stock pile for disposal of asphalt and spoils
- Dig trenches 3 – 4 days total

Week 3

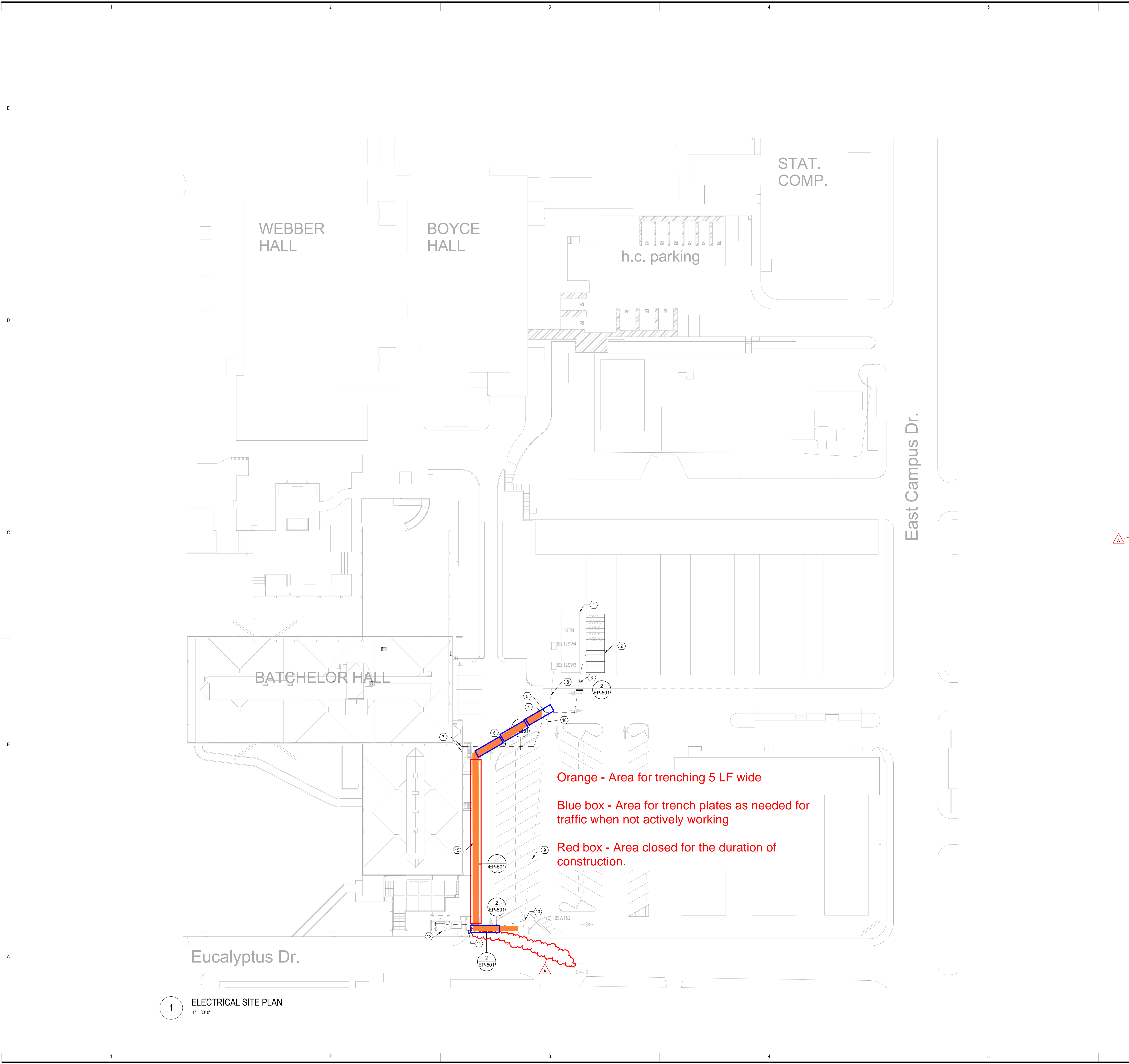
- Install 5” & 1” conduit in trench crossing from existing transformer vault to Access Electric supplied 3’ x 5’ pull box.
- Install (5) 4” conduit from pull box over to basement entry and do (5) 6” cores and (1) 1” core to enter into stairway area from parking lot.
- Call inspection for all conduit runs to start backfill and compaction.
- Water proofing by others as needed.

Week 4

- Pour slurry and encase as required per plan drawings when conduit is signed off. Red slurry as approved.
- Back fill all trenching and maintain traffic plates as required. Asphalt re-install by others.
- Haul off of spoils and removed asphalt.

See attached plan for reference:





GENERAL NOTES

- A. FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS REFER TO DRAWING SHEETS E-001 AND E-002.
- B. REFER TO SHEET E-701 FOR TRANSFORMER AND FEEDER SCHEDULES.
- C. ELECTRICAL WORK SHALL BE DONE IN CONFORMANCE WITH UNIVERSITY OF CALIFORNIA RIVERSIDE (UCR) FACILITIES ENGINEERING AND FACILITIES PERSONNEL, CONSTRUCTION DOCUMENTS, ALL APPLICABLE CODES, ISSUED DRAWINGS AND SPECIFICATIONS.
- D. PRIOR TO CONSTRUCTION CONTRACTOR SHALL COORDINATE ALL SERVICE INTERRUPTIONS TO ANY BUILDING ON CAMPUS WITH UCR PERSONNEL.
- E. REFER TO SHEETS E-601 THROUGH E-605 FOR ONE-LINE DIAGRAMS.

SHEET KEYNOTES

1. EXISTING 2.5MW CAMPUS GENERATOR.
2. EXISTING 12KV SWITCHGEAR EMSSATS-B, UTILIZE SPARE BREAKER IN CUBICLE 6 (ATS-B) AND SET TRIP SETTING TO 175AMPS.
3. RUN NEW UNDERGROUND CONCRETE ENCASED DUCTBANK 5'C WITH 3#500KCMIL, 1#40 CU GROUND 15KV EPR AND 1" C WITH 3#14 FROM EMSSATS-B TO EXISTING VAULT "A".
4. EXISTING VAULT "A": VERIFY LOCATION WITH UCR.
5. T. SPlice NEW FEEDERS WITH 3#500KCMIL, 1#40 CU GROUND 15KV EPR, ONE SPlice FEEDER GOES TO THE NEW 1000KVA 12.47KV/277/480V TRANSFORMER, THE OTHER SPlice GOES TO THE EXISTING 1000KVA (DSA) AND 300KVA (DSC), 12.47KV -120/208V TRANSFORMERS INSIDE OF BATCHELOR HALL.
6. RUN NEW UNDERGROUND CONCRETE ENCASED DUCTBANK 5'C WITH 3 # 500 KCMIL, 1#40 CU GROUND 15KV EPR AND 1" C WITH 3 #14 FROM EXISTING VAULT "A" TO NEW PULL BOXES LOCATED INSIDE BATCHELOR HALL 1ST FLOOR. FEEDER SHALL BE RUN OVERHEAD INSIDE THE BUILDING. PROVIDE CONDUIT SUPPORT AS REQUIRED.
7. CONDUITS TURN 90 DEGREES UP ONCE IT GETS INSIDE THE BUILDING. PROVIDE CONDUIT SUPPORT AS REQUIRED. REFER TO SHEET EP-101 FOR CONTINUATION.
8. EXISTING 6-6" CONDUITS AND 1-1" CONDUIT FROM EXISTING 4-WAY SWITCH 12SW3, ONE OF THE 5" CONDUITS AND 1" CONDUITS ARE SPARES.
9. RUN 3 #500KCMIL, 1#40 CU GROUND 15KV EPR AND 3#14 FROM EXISTING VAULT "A" TO NEW 1000A 12.47KV/277/480V TRANSFORMER. AN EXISTING 6-6", 1-1" DUCTBANK RUNS FROM EXISTING SWITCH 12SW3 TO EXISTING 4-WAY SWITCH 12SW2. THE DUCTBANK HAS A SPARE 5" C AND A SPARE 1" C AND IT RUNS ALONG THE PATHWAY TOWARDS THE NEW 1000KVA TRANSFORMER. INTERCEPT AND UTILIZE THE EXISTING SPARE 5" C AND 1" C FOR NEW FEEDERS AND CONTROLS. RE-ROUTE WITH NEW CONCRETE ENCASED 5" C AND 1" C TO NEW 1000KVA TRANSFORMER LOCATION VIA NEW MANHOLE. REFER TO ONE LINE DIAGRAM SHEET E-601 FOR ADDITIONAL INFORMATION.
10. EXISTING DUCTBANK INTERCEPTION POINT.
11. PROVIDE NEW MANHOLE. REFER TO SHEET EP-501 DETAIL 6 FOR MANHOLE DETAIL. COORDINATE WITH UCR FOR APPROVED STANDARD AND REQUIREMENTS.
12. NEW PAD MOUNTED NEMA 3R 1000KVA 12.47KV/480/277V TRANSFORMER. PROVIDE CONCRETE HOUSEKEEPING PAD. REFER TO SHEET EP-501 DETAIL 5 FOR TRANSFORMER GROUNDING.
13. EXISTING VAULT #10 WITH 12KV CAMPUS CIRCUIT.
14. NOT USED.
15. NEW UNDERGROUND CONCRETE ENCASED SECONDARY DUCTBANK WITH 5-4" WITH (4) #40KCMIL, (1) #40 G AND 1-1" C WITH (3) #14 (CONTROLS) FROM TRANSFORMER TO NEW 277/480V DISTRIBUTION SYSTEM IN THE BUILDING. REFER TO ONE LINE DIAGRAM SHEET E-602 FOR ADDITIONAL INFORMATION.

UC RIVERSIDE Planning, Design & Construction

ARCHITECTS & ENGINEERS
 1223 UNIVERSITY AVENUE SUITE 240
 RIVERSIDE, CA 92521
 TEL: (951) 827-1397 FAX: (951) 827-3890

Architect's + Engineers Data:
HDR HDR Architecture, Inc.
 350 South Grand Avenue, Suite 2900
 Los Angeles, CA 90071-3406

Architect's Stamp:

Engineer's Stamp:

950464
 University of California Riverside
 Batchelor Hall -
 900 University Ave.
 Riverside, CA 92507

Project Manager	Diane Hamlin
Project Architect	David Chargin
Structural Engineer	Vartan Chilingaryan
Mechanical Engineer	James Wermes
Electrical Engineer	Bill Walters
Interior Designer	Ruby Therp
Laboratory Planner	Ken Filar

MARK	DATE	DESCRIPTION
	7/8/20	ALTERNATE SCOPE DEFINITION
	8/28/20	BUILDING DEPT BACKCHECK
	9/10/21	BID SET
A	10/25/2021	BID ADDENDUM 2

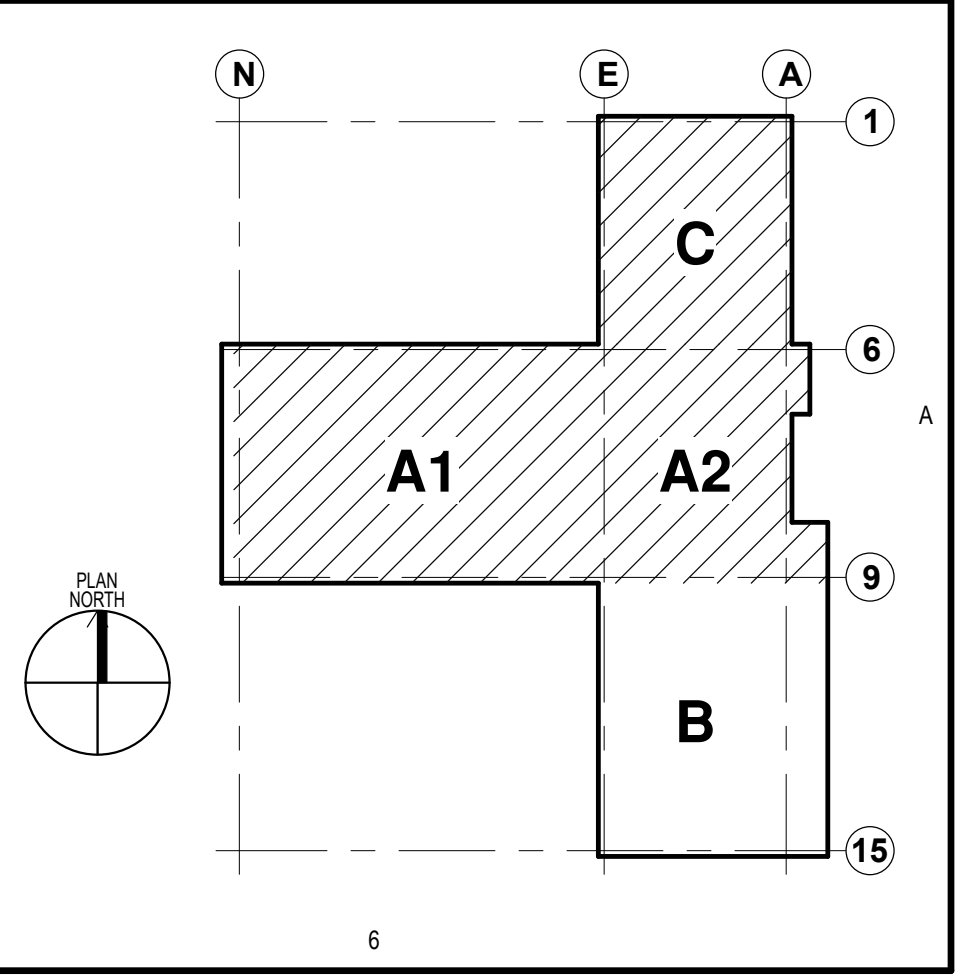
Project Number	10044183
Original Issue	12/29/2019
CAAN Building Number	P5501
UCR Project Manager:	Blythe Wilson
Scale:	As indicated
Drawn By:	D.Adam
Checked By:	L. Bayton
Project Number:	10044183
DSA Number:	

Sheet Name
ELECTRICAL SITE PLAN

Sheet Number
ES-101

Project Status
 BID SET

KEY PLAN



10/25/2021 11:18:04 AM