

CHANGE ORDER No. 2

This **Change Order No. 2** to the New Senior & Therapeutic Center dated 11/07/2024 ("Agreement") is between LFUCG ("Client") and Terracon Consultants, Inc. ("Consultant") for additional or changed Services to be provided by Consultant for Client on the New Senior & Therapeutic Center Project, as described in New Senior & Therapeutic Center. This Change Order is incorporated into and made part of the Agreement.

1. Scope of Services. The scope of the additional or changed Services is described in the Scope of Services section of Consultant's Change Order Proposal, unless Services are otherwise described below or in Exhibit B to this Change Order (which section or exhibit are incorporated into the Change Order).

1. Earthwork and Site Preparation Observations and Testing:

- Observe conditions and proofrolling of subgrades in initial fill areas prior to beginning fill placement.
- Observe conditions and proofrolling of subgrades before slab-on-grade construction.
- Observe and test structural fill placement and perform field density and moisture content testing during fill placement at each lift of fill material for every 2,500 to 5,000 sq. ft. of area (minimum 3 tests per lift).
- Testing quantities and frequencies will be in general accordance with the project specifications.
- Perform laboratory testing of proposed fill soils to determine their dry density versus moisture content relationship in general accordance with the standard Proctor test method.

2. Structural Steel and Metal Deck Observation and Testing:

- Visually check bolted/welded connections in accordance with applicable AISC and AWS specifications at the Jobsite.
- Visual inspection of member connections for proper method, i.e., weld, screw, clips, and quantity.
- Ultrasonic testing of complete and partial penetration shop/field groove welds (of appropriate base material thickness, typically $\geq 5/16"$),
- Continuous inspection during fit-up and shop/field welding of single-pass fillet welds $>5/16"$, multi-pass fillet welds, and complete and partial penetration groove welds.
- Visual inspection of elevated metal decking to assess decking type/gauge and weld and fastener quality and spacing,
- Visual inspection of high-strength bolt installation for snug tight joints,
- Visual inspection of high-strength bolt installation for fully pre-tensioned joints utilizing the turn-of-the-nut method with match-marking techniques, the direct tension indicator method, or the alternate design fastener (twist-off) method. (Note: For projects requiring fully pre-tensioned/slip critical high strength bolted connections, pre-installation verification testing of the bolt assemblies in accordance with the RCSC's Specification for Structural Joints Using ASTM A325 or A490 Bolts is required to be observed by the Special Inspection firm. If the erector does not provide a torque tension measuring device such as a Skidmore-Wilhelm Bolt Tension Calibrator, Terracon can provide this equipment for additional charges and additional observation /monitoring time will be necessary.
- Visual inspection of steel frame joint details,
- Review of material markings, reports, and certificates (structural steel; mill test reports; bolts, nuts, washers; weld filler materials).

3. Cold Formed Metal Framing:

- Material verification of yield strength and gauge of metal.
- Periodic Inspection of cold formed steel framing details for compliance with approved construction documents.
- Observe proof rolling of subgrades in the parking and access roads to identify any unstable materials prior to stone base placement.
- Perform field density testing of new pavement stone base and confirm compaction of new asphalt surface and binder materials.

4. Sitework Reinforced Cast-In-Place Concrete Observations and Testing:

- Observe the placement of reinforcing steel for quantity, size, configuration, lap, and cover.
- Observe the formwork prior to concrete placement.
- Verify the use of an approved and specified concrete mix, if provided.
- Observe and record placement and curing/protection techniques.
- Sample fresh concrete to perform field tests on slump, air content and temperature.
- Cast concrete test specimens of structural concrete, as required.
- Concrete test specimens will be cured and tested for compressive strength in accordance with the project specifications.

5. Asphaltic Concrete Pavement Observations and Testing:

- Observe proof rolling of subgrades in the parking and access roads to identify any unstable materials prior to stone base placement.
- Perform field density testing of new pavement stone base and confirm compaction of new asphalt surface and binder materials.

2. Compensation. Client shall pay compensation for the additional or changed Services performed at the fees stated in the Change Order Proposal unless fees are otherwise stated below or in Exhibit C to this Change Order (which section or exhibit are incorporated into the Change Order).

Attached is an estimated fee, client will only be charged for actual days and time onsite.

Fee Estimate						
Materials Services						
New Senior & Therapeutic Center						
Terracon Proposal No. PN3241158						
DESCRIPTION	RATE	QUANTITY	UNITS	TRIPS	TOTAL QUANTITY	TOTAL
Earthwork: Subgrade observations for concrete pavement, asphalt pavement						\$ 2,240.00
Engineering Technician	\$ 55.00	3	hours	8	24	\$ 1,320.00
Project Manager	\$ 120.00	0.25	hours	8	2	\$ 240.00
Trip Charge	\$ 35.00	1	days	8	8	\$ 280.00
Nuclear Gauge (Equipment)	\$ 50.00	1	days	8	8	\$ 400.00
Structural Steel/Cold-Formed Framing						\$ 3,400.00
Project Manager	\$ 120.00	0.25	hours	5	1.25	\$ 150.00
Structural Steel Technician (CWI)	\$ 90.00	6	hours	5	30	\$ 2,700.00
Trip Charge (CWI)	\$ 110.00	1	days	5	5	\$ 550.00
Asphalt Testing: Additional Base & Surface						\$ 2,220.00
Engineering Technician	\$ 55.00	8	hours	4	32	\$ 1,760.00
Project Manager	\$ 120.00	0.25	hours	4	1	\$ 120.00
Trip Charge	\$ 35.00	1	days	4	4	\$ 140.00
Nuclear Gauge (Equipment)	\$ 50.00	1	days	4	4	\$ 200.00
Site Concrete Testing: Sidewalks, patios, dumpster pad						\$ 3,840.00
Engineering Technician	\$ 55.00	3	hours	12	36	\$ 1,980.00
Project Manager	\$ 120.00	0.25	hours	12	3	\$ 360.00
Compressive Strength of 4" x 8" Cylinder (ASTM C39)	\$ 18.00	5	tests	12	60	\$ 1,080.00
Trip Charge	\$ 35.00	1	days	12	12	\$ 420.00
Sample Pickups						\$ 1,200.00
Engineering Technician	\$ 55.00	1	hours	10	10	\$ 550.00
Project Manager	\$ 120.00	0.25	hours	10	2.5	\$ 300.00
Trip Charge	\$ 35.00	1	days	10	10	\$ 350.00
Administrative						\$ 970.00
Project Manager	\$ 120.00	5	hours	1	5	\$ 600.00
Administrative	\$ 60.00	3	hours	1	3	\$ 180.00
Senior Engineer	\$ 190.00	1	hours	1	1	\$ 190.00
Total						\$ 13,870.00

All terms and conditions of the Agreement shall continue in full force and effect. This Change Order is accepted and Consultant is authorized to proceed.

Consultant: Terracon Consultants, Inc.

By: _____ Date: 1/6/2026

Name/Title: Matthew B Vernon / Department Manager I

Address: 2460 Palumbo Dr
Lexington, KY 40509-1117

Phone: (859) 303-9000 Fax: _____

Email: Matthew.Vernon@terracon.com

Client: LFUCG

By: _____ Date: _____

Name/Title: Lisa Grober / Architect

Address: Room 338 Government Center 200 East Main Street
Lexington, KY 40505

Phone: (859) 258-3054 Fax: _____

Email: lgrober@lexingtonky.gov