ADDENDUM

May 05, 2015

Addendum No. 2

The State of Connecticut
Department of Housing (DOH)
Community Development Block Grant
Disaster Recovery Program (CDBG-DR)
Owner Occupied Rehabilitation and Rebuilding Program (OORR)

Application No. 1450
Finnegan Residence
10 Farm Creek Road
Norwalk, CT 06853

To All Prospective Bidders:

This Addendum shall become part of the Contract and all bidders shall be bound thereby.

The date for the Bid Opening **HAS NOT CHANGED**. Sealed bids will be accepted until 4:00 p.m. on Monday, May 11, 2015.

The following changes and/or clarifications are hereby made to the Contract Documents dated February 13, 2015 for the above captioned project.

A. THE FOLLOWING CHANGES SHALL BE MADE TO THE SPECIFICATIONS:

1. **REPLACE**

Specification Section 02230 – Clearing and Grubbing
Specification Section 02374 – Erosion Control
Specification Section 02752 – Concrete Pavement

See Attached

END OF ADDENDUM #2

c: file

Capital Studio Architects
1379 Main Street • East Hartford, Connecticut 06108
860.289.3262 fax 860.289.3163
capitalstudios.net

SECTION 02230 – CLEARING & GRUBBING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Protecting existing vegetation to remain.
2. Removing existing vegetation and shrubs shown on the plans.
3. Clearing and grubbing.
4. Stripping and stockpiling topsoil.
5. Removing above- and below-grade site improvements.
6. Temporary erosion- and sedimentation-control measures.

1.2 MATERIAL OWNERSHIP

A. Except for stripped topsoil and other materials indicated to be stockpiled or otherwise remain on Owner's property, cleared materials shall become Contractor's property and shall be removed from Project site.

1.3 PROJECT CONDITIONS

A. Traffic: Minimize interference with adjoining roads, driveways, parking areas, walks, and other adjacent occupied or used facilities during site-clearing operations.

1. Do not close or obstruct streets, walks, or other adjacent occupied or used facilities without permission from the Town of Groton and/or property owners.
2. Provide alternate routes around closed or obstructed traffic ways to the extent possible.

B. Salvable Improvements: Carefully remove items indicated to be salvaged or relocated and store on Owner's premises.

C. Utility Locator Service: Notify ‘Call Before You Dig’ prior to the construction effort.

D. Do not commence site clearing operations until erosion and sedimentation control measures are installed.

E. The following practices are prohibited within close proximity to trees to be preserved:

1. Storage of construction materials, debris, or excavated material.
2. Parking of vehicles or equipment.
3. Excavation unless otherwise indicated.
4. Attachment of signs to or wrapping materials around trees or plants unless otherwise indicated.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Erosion Control Materials: Shall meet all requirements of the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, and conform to the details provided in the Drawings.

PART 3 - EXECUTION

3.1 PREPARATION

A. Protect and maintain benchmarks and survey control points from disturbance during construction.

B. Locate, clearly identify, and protect trees, shrubs, and other vegetation to remain or to be relocated.

C. Protect existing site improvements to remain from damage during construction.

1. Restore damaged improvements to their original condition, as acceptable to Owner.

3.2 TEMPORARY EROSION AND SEDIMENTATION CONTROL

A. Provide temporary erosion- and sedimentation-control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways, according to the Drawings and requirements of authorities having jurisdiction.

B. Verify that flows of water redirected from construction areas or generated by construction activity do not create impacts outside the limits of construction.

C. Inspect, maintain, and repair erosion- and sedimentation-control measures during construction until permanent vegetation has been established.

D. Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.

3.3 TREE AND PLANT PROTECTION

A. General: Protect trees and plants remaining on-site.

B. Repair or replace trees, shrubs, and other vegetation indicated to remain that are damaged by construction operations, in a manner approved by Architect.

3.4 EXISTING UTILITIES

A. Locate, identify, and disconnect utilities indicated to be removed or relocated.

1. Coordinate with applicable utility companies if necessary.

B. Interrupting Existing Utilities: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:

1. Notify Owner not less than four days in advance of proposed utility interruptions.
2. Do not proceed with utility interruptions without Owner's permission.

3.5 CLEARING AND GRUBBING

A. Remove obstructions, trees, shrubs, and other vegetation to permit installation of new construction.

1. Remove stumps and roots of shrubs to be removed.
2. Use care to protect trees to be saved.

B. Fill depressions caused by clearing and grubbing operations with satisfactory soil material unless further excavation or earthwork is indicated.

1. Place fill material in horizontal lifts not exceeding a loose depth of 8 inches, and compact each lift to 95% modified proctor density.

3.6 TOPSOIL STRIPPING

A. Remove sod and grass before stripping topsoil.

B. Strip topsoil in a manner to prevent intermingling with underlying subsoil or other waste materials.

C. Stockpile topsoil away from edge of excavations without intermixing with subsoil. Grade and shape stockpiles to drain surface water. Cover to prevent windblown dust and erosion by water.

3.7 SITE IMPROVEMENTS

A. Remove existing above- and below-grade improvements as indicated and necessary to facilitate new construction.

3.8 DISPOSAL OF SURPLUS AND WASTE MATERIALS

A. Remove surplus soil material, unsuitable topsoil, obstructions, demolished materials, and waste materials including trash and debris, and legally dispose of them off Owner's property.

3.9 Storm Drainage

A. Protect existing storm drainage structures to remain from damage during construction.

END OF SECTION 02230

SECTION 02374 – EROSION CONTROL

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Temporary erosion and sedimentation control materials and practices.

1.2 QUALITY ASSURANCE

A. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers.

B. Comply with all governing codes and regulations including the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control.

1.3 DELIVERY, STORAGE, AND HANDLING

A. Deliver, handle, and store materials in accordance with manufacturer's written instructions.

1.4 MAINTENANCE SERVICE

A. Maintain temporary erosion control measures until site is stabilized and accepted by the Engineer.

PART 2 - PRODUCTS

2.1 EROSION CONTROL MATERIALS

A. Silt Fencing:
1. Filter Fabric: Extra strength filter fabric (50 lbs/lin.in. min.), or a combination of standard strength (30 lbs/lin inch minimum) and 14 gauge woven wire fence.

2. Fence posts: 2”x2” pressure treated wood, minimum of 48” high.

B. Haybales: Haybales shall be composed of non-degraded straw in reasonable condition.

C. Filter Fabric; Filter Fabric for drywell grate wrap shall meet requirements for Silt Fencing Filter Fabric.

PART 3 - EXECUTION

3.1 GENERAL LAND CONSERVATION

A. All structural erosion and sediment control practices shall be placed prior to or as the first step in grading for all areas.

B. Permanent or temporary soil stabilization shall be applied to disturbed areas within 14 days after final grade is reached on any portion of the site.

C. Any disturbed area not stabilized with seeding, sodding, paving, or built upon by November 1st, or areas disturbed after that date, shall be mulched immediately with hay or straw at the rate of 2 tons per acre and over-seeded by April 15th.

D. At the completion of construction, and establishment of vegetation, all temporary sediment controls shall be removed.

3.2 EROSION CONTROL

A. Provide straw bales and silt fencing in areas shown on the plans, or in other areas deemed as potential erosion locations.

B. Silt fencing shall be placed down-gradient of construction areas, as necessary, to control sediment and minimize erosion until turf is established.

3.3 SILT FENCING

A. Set posts maximum ten feet (10’) apart. Angle posts approximately 5 degrees upslope.

B. Excavate a 6”x6” trench upslope and along the line of posts.

C. Staple wire fencing to upslope side of posts, if applicable.

D. Attach filter fabric to wire fence or upslope side of posts and extend fabric into trench. Top of fabric is to be a minimum of 30” above ground level.

E. Backfill and compact excavated soil.

3.4 MAINTENANCE

A. All erosion and sediment control measures shall be checked weekly and within 24 hours after each rainfall to assure that the measures are functioning adequately. Sediment that is collected will be distributed on the protected portion of the site and stabilized.

B. All stockpiles of earth and topsoil shall be protected with temporary seeding, erosion control fence around the entire perimeter, or other means to prevent erosion.

3.5 SILT FENCE

A. Silt fences and filter barriers shall be inspected immediately after each rainfall, at least daily during prolonged rainfall, and weekly during other periods. Any required repairs shall be made immediately.

B. Should the fabric on a silt fence or fabric barrier decompose or become ineffective and the barrier is still necessary, it shall be replaced immediately.

C. Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier.

D. For any sediment deposits remaining after the silt fence or filter barrier is no longer required, the sediment shall be spread, dressed, and seeded to conform to the surrounding area.

END OF SECTION 02374

SECTION 02750 – CONCRETE PAVEMENT

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Concrete Walks

1.2 SUBMITTALS

A. Submittals:

   1. Design Mixtures: For each concrete paving mixture. Include alternate design mixtures when characteristics of materials, Project conditions, weather, test results, or other circumstances warrant adjustments.

   2. Joint Filler: Include manufacturer's product data sheet.

1.3 QUALITY ASSURANCE

A. Ready-Mix-Concrete Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products and that complies with ASTM C 94/C 94M requirements for production facilities and equipment.

B. ACI Publications: Comply with ACI 301 (ACI 301M) unless otherwise indicated.

PART 2 - PRODUCTS

2.1 CONCRETE MATERIALS

A. Cementitious Material: Use the following cementitious materials, of same type, brand, and source throughout Project:

1. Portland Cement: Shall meet CT DOT Form 816 M.03.01.

    a. Fly Ash: Shall meet CT DOT Form 816 M.03.01 13(a)

B. Normal-Weight Aggregates: Shall meet CT DOT Form 816 M.03.01 1&2.

C. Water: Potable and complying with CT DOT Form 816 M.03.01 4.

D. Air-Entraining Admixture: Shall meet CT DOT Form 816 M.03.01 9 (a).

E. Chemical Admixtures: Shall meet CT DOT Form 816 M.03.01 9

F. Joint Filler for Sidewalk Expansion Joint Repair: Sikaflex-2C SL Two-component, self-leveling, polyurethane elastomeric sealant. Or approved equal.

2.2 CURING MATERIALS

A. Curing Materials: Shall meet CT DOT Form 816 M.03.01 10

2.3 CONCRETE MIXTURES

A. Concrete Mixtures: shall meet CT DOT Form 816 M.03.01 Class ‘C’.

2.4 CONCRETE MIXING

A. Ready-Mixed Concrete: shall meet CT DOT Form 816 M.03.01.

PART 3 - EXECUTION

3.1 EXAMINATION AND PREPARATION

A. Proof-roll prepared subbase surface below concrete walks, pads, etc. Identify soft pockets and areas of excess yielding.

B. Remove loose material from compacted subbase surface immediately before placing concrete.

3.2 EDGE FORMS AND SCREED CONSTRUCTION

A. Set, brace, and secure edge forms, bulkheads, and intermediate screed guides to required lines, grades, and elevations. Install forms to allow continuous progress of work and so forms can remain in place at least 24 hours after concrete placement.

B. Clean forms after each use and coat with form-release agent to ensure separation from concrete without damage.

3.3 JOINTS

A. General: Form construction, isolation, and contraction joints and tool edges true to line, with faces perpendicular to surface plane of concrete. Construct transverse joints at right angles to centerline unless otherwise indicated.

B. Construction Joints: Set construction joints at side and end terminations of paving and at locations where paving operations are stopped for more than one-half hour unless paving terminates at isolation joints.

C. Isolation Joints: Form isolation joints of preformed joint-filler strips abutting concrete curbs, catch basins, manholes, inlets, structures, other fixed objects, and where indicated.

D. Contraction Joints: Form weakened-plane contraction joints, sectioning concrete into areas as indicated. Construct contraction joints for a depth equal to at least one-fourth of the concrete thickness.

E. Edging: After initial floating, tool edges of paving, gutters, curbs, and joints in concrete with an edging tool to a 1/4-inch (6-mm) radius. Repeat tooling of edges after applying surface finishes. Eliminate edging-tool marks on concrete surfaces.

3.4 CONCRETE PLACEMENT

A. Moisten subbase to provide a uniform dampened condition at time concrete is placed.

B. Comply with CT DOT Form 816 M.03.01 requirements for measuring, mixing, transporting, placing, and consolidating concrete.

C. Deposit and spread concrete in a continuous operation between transverse joints. Do not push or drag concrete into place or use vibrators to move concrete into place.

D. Screed paving surface with a straightedge and strike off.

E. Commence initial floating using bull floats or darbies to impart an open-textured and uniform surface plane before excess moisture or bleed water appears on the surface. Do not further disturb concrete surfaces before beginning finishing operations or spreading surface treatments.

3.5 FLOAT FINISHING

A. General: Do not add water to concrete surfaces during finishing operations.

B. Float Finish: Begin the second floating operation when bleed-water sheen has disappeared and concrete surface has stiffened sufficiently to permit operations. Float surface with power-driven floats or by hand floating if area is small or inaccessible to power units. Finish surfaces to true planes. Cut down high spots and fill low spots. Refloat surface immediately to uniform granular texture.

1. Burlap Finish: Drag a seamless strip of damp burlap across float-finished concrete, perpendicular to line of traffic, to provide a uniform, gritty texture.
2. Medium-to-Fine-Textured Broom Finish: Draw a soft-bristle broom across float-finished concrete surface perpendicular to line of traffic to provide a uniform, fine-line texture.
3. Medium-to-Coarse-Textured Broom Finish: Provide a coarse finish by striating float-finished concrete surface 1/16 to 1/8 inch (1.6 to 3 mm) deep with a stiff-bristled broom, perpendicular to line of traffic. Match finish texture to existing concrete to remain adjacent to new sidewalks.

3.6 CONCRETE PROTECTION AND CURING

A. General: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures.

B. Comply with ACI 306.1 for cold-weather protection.

C. Evaporation Retarder: Apply evaporation retarder to concrete surfaces if hot, dry, or windy conditions cause moisture loss approaching 0.2 lb/sq. ft. x h (1 kg/sq. m x h) before and during finishing operations. Apply according to manufacturer's written instructions after placing, screeding, and bull floating or darbying concrete but before float finishing.

D. Begin curing after finishing concrete but not before free water has disappeared from concrete surface.

E. Curing Methods: Cure concrete in accordance with CT DOT Form 816 M.03.01 10.

3.7 REPAIRS AND PROTECTION

A. Remove and replace concrete sidewalk that is broken, damaged, or defective or that does not comply with requirements in this Section. Remove work in complete sections from joint to joint unless otherwise approved by Engineer.

B. Protect concrete sidewalks from damage.

C. Maintain concrete sidewalks free of stains, discoloration, dirt, and other foreign material. Sweep sidewalks not more than two days before date scheduled for substantial completion inspections.

END OF SECTION 02750