

ADDENDUM NO. 7

MISSOURI VALLEY FIRE STATION ADDITION MISSOURI VALLEY, IOWA

DATE OF ADDENDUM ISSUE: April 8th, 2024
DATE OF BID OPENING: April 10th, 2024
PROJECT NO.: 232908

NOTE TO ALL PLAN HOLDERS: Please insert this Addendum into your copy of the contract documents for the above-named project. The following changes to the contract documents are issued by the Architect/Engineer, shall be attached and made a part of the plans and specifications, shall be acknowledged with the bidder's proposal and shall have the same force and effect as though a part of the original issue. All other stipulations and requirements of the plans and specifications remain in effect.

CLARIFICATIONS TO THE SPECIFICATIONS

CIVIL SPECIFICATION SECTION 002240 – “BUILDING EARTHWORK”,:

Section 002240 “Building Earthwork”, attached is to be added to the rest of the civil specifications as described on sheets C2.1 and C2.2.

Attachments:

“Building Earthwork” section 002240.

Please acknowledge receipt of this Addendum #7 on your bid form.

Respectfully Submitted,
PROCHASKA & ASSOCIATES

BY: Paul Cocolas

SECTION 02240
BUILDING EARTHWORK

1.0 GENERAL

1.01 DESCRIPTION

1.01.1 RELATED WORK SPECIFIED ELSEWHERE

Trench Excavation and Backfill

Section 02250

1.01.2 WORK COVERED UNDER THIS SECTION shall consist of excavation, backfilling, filling, compaction and grading for buildings, building foundations, retaining walls, and other structures.

1.02 JOB CONDITIONS

1.02.1 CONTRACTOR shall carefully maintain all survey control, including bench marks, monuments, and other reference points and replace same if disturbed or destroyed.

1.02.2 CONTRACTOR shall exercise extreme care to protect all existing underground and overhead utilities. Contractor shall be responsible for repairing all utilities damaged or destroyed during construction. Prior to construction operations, locate and mark, or have others locate and mark, all underground and overhead utilities, including, but not limited to, water, sanitary sewer, storm sewer, gas, power, telephone, and cable television.

2.0 PRODUCTS

2.01 FILL MATERIALS

2.01.1 TYPE "A" FILL MATERIAL shall be select subsoil and shall be clean, inorganic, low-plasticity, lean clay or silt. Material shall be selected from on-site excavations or from borrow as approved by the Engineer.

2.01.2 TYPE "B" FILL MATERIAL shall be coarse stone consisting of crushed, screened, natural stone free of shale, clay, and debris. Size of material shall be 3/8 inch to 1 inch in diameter.

2.01.3 TYPE "C" FILL MATERIAL shall consist of common subsoil from on-site excavations. Material shall be free of rock larger than 3 inches and debris.

3.0 EXECUTION

3.01 INSPECTION

3.01.1 CONTRACTOR shall verify that stockpiled fill or other fill to be utilized for backfilling operations is approved.

3.01.2 CONTRACTOR shall verify that all foundation or basement walls are braced to support surcharge forces imposed by backfilling operations.

3.01.3 CONTRACTOR shall verify that all areas to be backfilled are free of debris, snow, ice, or water and that ground surfaces are not frozen.

3.02 PREPARATION

3.02.1 THE ENTIRE AREA TO RECEIVE FILL and areas to receive slabs or paving shall be scarified to a depth of 4 inches and recompact to a uniform density of 95% of materials maximum dry density as determined by ASTM D 698, Standard Proctor.

3.02.2 CUT OUT SOFT AREAS of subgrade not readily capable of in-situ compaction. Backfill with Type "A" or Type "B" fill material and compact to the required density of 95% of materials maximum dry density as determined by ASTM D 698, Standard Proctor.

3.03 EXCAVATION

3.03.1 PERFORM EXCAVATIONS FOR BUILDINGS AND STRUCTURES as follows:

- .1 Do not perform any blasting.
- .2 Excavate to dimensions and elevations indicated in the Drawings, allowing additional space as required for construction operations and inspection of foundations.
- .3 Properly level off bottoms of all excavations. Place footings and approved compacted fill on undisturbed earth. Remove all loose material and place excavation in approved condition to receive concrete or other material. Excavations carried below proper depth shall be filled with concrete of the same strength and mix design as the superimposed construction.
- .4 Do not place footings or slabs on frozen earth. When freezing temperatures are anticipated, do not excavate to full depth, unless footings or slabs can be placed immediately after excavation is completed.

3.04 FILLING AND BACKFILLING

3.04.1 BACKFILL areas to the elevations or contours indicated on the Drawings. Do not backfill with frozen materials or with materials that contain rocks, lumps, soft or wet

material, vegetation or other foreign material. Do not backfill over porous, wet, or spongy subgrade surfaces.

3.04.2 PLACE BACKFILL in continuous layers not exceeding 8-inch loose depth. Compact to 95% of maximum density as determined by ASTM D 698, Standard Proctor.

3.04.3 EMPLOY a placement method so not to disturb or damage foundation perimeter drainage and utilities in trenches.

3.04.4 BACKFILL against supported foundation walls. Backfill simultaneously on each side of unsupported foundation walls.

3.04.5 SLOPE GRADE away from building or structure a minimum 6 inches in 10 feet, unless noted otherwise.

3.04.6 MAKE CHANGES IN GRADE gradual and blend slopes into level areas.

3.04.7 REMOVE surplus backfill materials from the site.

3.05 TESTING

3.05.1 THE CONTRACTOR shall be responsible for all compaction density testing. Density tests shall be performed by an approved testing laboratory. Tests shall be performed randomly, but in sufficient numbers to ensure that the specified density is being obtained for the work. The specific locations of compaction density tests shall be determined by the Engineer. The total number of tests shall be such that on the average, 1 test shall be taken for each 100 linear feet of footing length per each 8-inch lift of backfill, and 1 test shall be taken for each 2,500 square feet of construction area per each 8-inch lift. Copies of all testing reports shall be furnished to the Engineer in accordance with the General Requirements.