

Issued: 7/21/2021

Addendum No. 2
BID NO. 20/21-53, Construction of Clay County Gun Range

Due Date: Monday, July 26, 2021
Open Date: Tuesday, July 27, 2021

The items of this Addendum shall modify and become part of the contractual documents for this project as of this date. Receipt of and incorporation of this Addendum must be acknowledged in the bid on [page 25](#).

The following question was omitted from the previous addendum:

QUESTION: Can you provide a spec for the ballistic sand that is required?
On sheet C9.2 it calls out for import fill, mixed with clay or loam- what percentage are we looking for?

ANSWER:

002211

Ballistic Sand and Topsoils

1.0 PURPOSE

1.1 The Contractor shall furnish and/or deliver specialty materials or mix from onsite material and ballistic sand mix for use as needed for the project.

2.0 PRODUCT SPECIFICATIONS

2.1 Mix: Particle size analysis (ASTM tests D-422) results from mine/pit test meets specifications and consist of the following:

Particle Size Distribution		
Name	Particle Diameter	Specification
Fine Gravel	2.0-3.4mm	Not more than 1% of particles in this range.
Very Coarse Sand	1.0-2.0 mm	
Coarse Sand	0.5-1.0mm	No more than 7% of particles in this range
Medium Sand	0.25-0.5mm	No less than 35%. and no more than 45% of particles in this range.
Fine Sand	0.15 -0.25mm	No less than 28% and no more than 35% of particles in this range.
Very Fine Sand	0.05 - 0.15mm	No more than 1% of particles in this range
Silt	0.002 – 0.05 mm	No more than 5% of particles in this range
Clay	Less than 0.002mm	No less than 20% and no more than 25% of particles in this range

2.2 Topsoil

- 2.2.1 Topsoil can be developed and stock piled from onsite material during the initial clearing and grubbing.**
- 2.2.2 Topsoil shall consist of a natural surface soil without admixtures of undesirable subsoil, refuse, or foreign materials. It shall be screened and free from roots, hard clay, coarse gravel, stone or rock larger than 1/4" in any dimension, noxious weeds, tall grass, brush, sticks, stubble or any other material which would be detrimental to development of desirable vegetative growth.**
- 2.2.3 Topsoil shall be obtained from naturally drained sites from areas where topsoil occurs at least 6" in depth. It shall not be obtained from bogs or marshes or other wetland areas.**

3.0 REQUIREMENTS

- 3.1 Immediately after berms and backstops are constructed, the contractor shall provide an "As Built" survey of backstops and berms for approval by the engineer. Once approved, the contractor shall stabilize the berm surface thru sodding/seeding or other method as shown and specified. The contractor shall maintain the slopes over the period of construction until final acceptance of the product is received.**
- 3.2 Ballistic sand may be installed anytime as per the construction schedule approved.**

(END OF SECTION)