CITY OF PELHAM, ALABAMA
WWTP IMPROVEMENT
INSTALLATION OF GRIT AND GREASE REMOVAL EQUIPMENT

Bid Date/Time: April 5, 2023 @ 2:00 p.m.

ADDENDUM NO. 1

TO: ALL PROSPECTIVE CONTRACTORS AND SUPPLIERS

The changes, modifications, clarifications and/or additions covered by and set forth in this **Addendum No. 1** shall become part and be incorporated in the Specifications, Contract Documents, Bid Documents, and Plans for the above referenced project. The Contractor shall include this Addendum as well as any previous and subsequent addenda that may be issued with his proposal Bid Documents as indicating his receipt and acceptance of its terms, requirements, and clarifications.

The Contractor shall also acknowledge receipt of this addendum on page **BD-11** of the Specifications-Contractual Documents.

OTHER CLARIFICATIONS/ADDITIONAL INFORMATION:

1. Re: Grit and Rag Accumulations: A considerable amount of grit has accumulated in the grit chamber. Some of this may be rags or a mixture of rags and grit. The depth of grit accumulation varies significantly in different sections along the length and across the width of the grit chamber. The approximate "average" depth is roughly 2'3" +/-. The estimated length at the "average" depth is about 60'. The approximate "maximum" depth is roughly 3'2" +/-. The estimated length at the "maximum" depth is about 25'. The maximum depth may exceed the stated amount in several places where the horizontal portion of several diffuser assemblies are completely covered by grit. Use care in the removal of the grit and rags from the diffusers to prevent damage. The estimated approximate depth of the accumulated grit is shown in Section C-C of the addendum.

   All diffusers have significant rag accumulations. The grit and rags must be removed and hauled to a sanitary landfill at the Contractor's expense. Note that the grit and rags will be wet. The isolation slide gate leaks and therefore some water will continually enter the grit chamber during the work. Note that the drain valve has a broken operator shaft. Furthermore, the invert of the drain valve is above the concrete floor so it will not drain all the water from the tank even if opened. Free water must be drained from the rags and grit before transporting to the landfill. Such water shall be drained into the sanitary sewer.

   In removing the grit, it must not be sent to the drain pipe or to another plant structure. It could clog the drain pipe or accumulate in the pump station.

There is also an estimated 3 cu yds of grit in the upper portion at the effluent end of the grit chamber that shall be removed by the Contractor. This grit is under an elevated walkway.

The amount of grit to be removed is estimated at 25 cubic yards. This does not include the rags on the diffusers or on the divider baffles and their angles.

The cost of removing all grit and rags and hauling to & disposal in the landfill shall be the responsibility of the Contractor.

A photograph of the dewatered grit chamber is attached. It shows some of the grit accumulations in the bottom of the grit chamber as well as some of the gate leakage. It shows some of the rag accumulations on some diffusers on the left side of the photo. Other rag and debris accumulations can be seen on the divider baffles on the right side of the photo.

2. Re: Replacement of Baffle Assemblies Hung from Concrete Beam Between Grit and Grease Compartments: There are 8 sets of existing baffle assemblies that are hung from the beam and columns that support the outer rail of the traveling bridge. Each of the 8 sets consist of 2 steel angles (an upper angle and a lower angle, each 2" x 2" x ¼") to which are attached approximately 21 UHMW baffles. The angle length is estimated to be approximately 10'0" to 10'6". The actual required lengths and other dimensions shall be measured by the Contractor. The steel angles have deteriorated and shall be replaced with 316 SS angles with 316 hardware. All bolts and anchor bolts shall be at least as large as the existing hardware. The UHMW baffles shall also be replaced. Each individual UHMW baffle is 1/2" thick x 4" wide x 6'0" long and they shall be attached to the SS angles (both upper and lower) at 6" o.c. Drill holes in the angles and baffles as required. Also see the notated "Partial Divider Baffle Detail" included with the addendum for additional information and requirements.

   A considerable amount of rags and debris has accumulated on both the upper and the lower angles and hardware. As required by the "Specification for Installation of Grit & Grease Removal Equipment" these rags and debris must be cleaned off by the Contractor (as is required for all grit, sludge, grease, and other materials in the Grit and Grease Chamber, including from the diffusers). All rags, debris, and grit, etc. shall be hauled to a sanitary landfill at the Contractor's expense.

   The cost of this work (including all materials, hardware, drilling, assembly, and installation, etc.) shall be included in Bid Item 1 "Installation of Grit & Grease Removal Equipment".

3. Re: Section C-C: See attached section view for additional information.

4. Re: Divider Baffle Detail: See attached detail for additional information.

ADDENDUM #1

GRIT DISCHARGE PIPE

SKIMMER ARM HOIST

← Upper Baffle Angle

← Lower Baffle Angle

← Baffles (UHMW)

Replace, Typ. of 8 assemblies

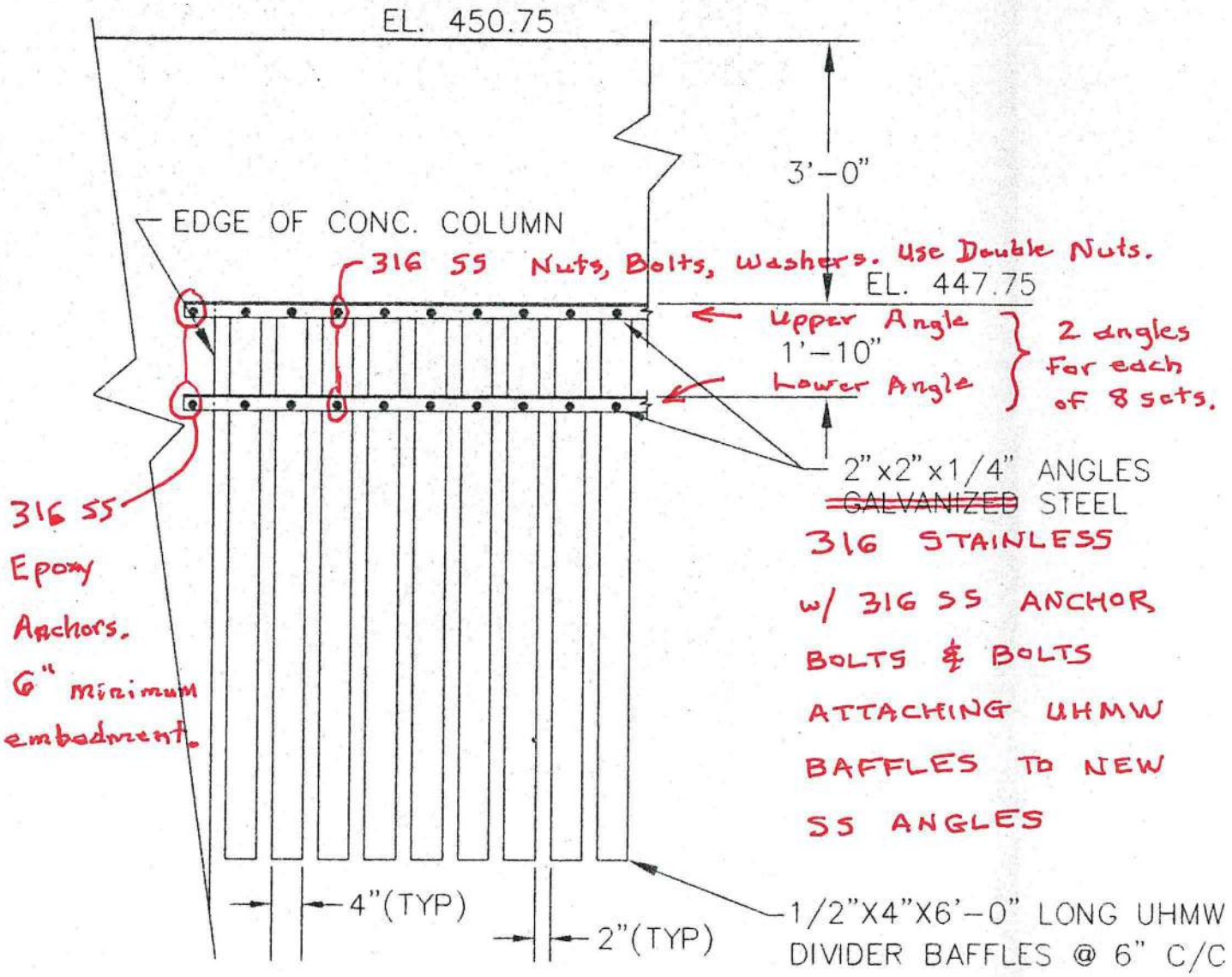
Approx "Maximum" Grit Level (3' 2" +/- deep)

Approx "Average" Grit Level (2' 3" +/- deep)

SECTION C-C

· Note: Several diffuser assemblies are completely covered with grit. All diffuser assemblies have heavy rag accumulations. Use care to prevent damage to diffuser assemblies or support brackets.

ADDENDUM #1



PARTIAL DIVIDER BAFFLE DETAIL

There are 8 sets of these Divider Baffle Assemblies. Each set is approx 10'0" to 10'6" long – Contractor to field measure & match existing.

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