

**ADDENDUM NO. 1
TO THE REQUEST FOR PROPOSAL
DOCUMENTS FOR PROJECT NO. W23001**

CITY OF SANDY

BULL RUN SUPPLY PUMP STATION PUMP AND PUMP CAN PROCUREMENT

This addendum, issued on the **15th day of November 2024**, affects the request for proposal documents for the **BULL RUN SUPPLY PUMP STATION PUMP AND PUMP CAN PROCUREMENT Project No. W23001** and shall be deemed an integral part of the above referenced documents.

CLARIFICATIONS

Question:

Since there were no plans included in the bid package, confirm the configuration for the cans and answer the following questions.

1. We need to know the type of barrel adaption to header. Will it have a slip on flange on the bottom end (24"-150# FF or RF) flange? Will they be welding the pipe to the header directly? Also, I noticed they provided the centerline of head pipe, but it looks like there is an extension off the header pipe and we need to know the elevation of where that ends in order to design the length of the barrel appropriately.
2. Provided floor elevation, however I need to know where the discharge head centerline is, so that based on the type of discharge head plan to supply, we can determine the pedestal height where the mounting plate of the barrel would get anchored.

Response:

Added Drawings:

The following drawings are hereby attached for reference:

1. City of Sandy, Bull Run Supply Pump Station - Phase 1
D-301, Pump Can Sections (Phase 1 - D-301)
2. City of Sandy, Bull Run Supply Pump Station - Phase 2
D-301, Pump Station Sections (Phase 2 - D-301)

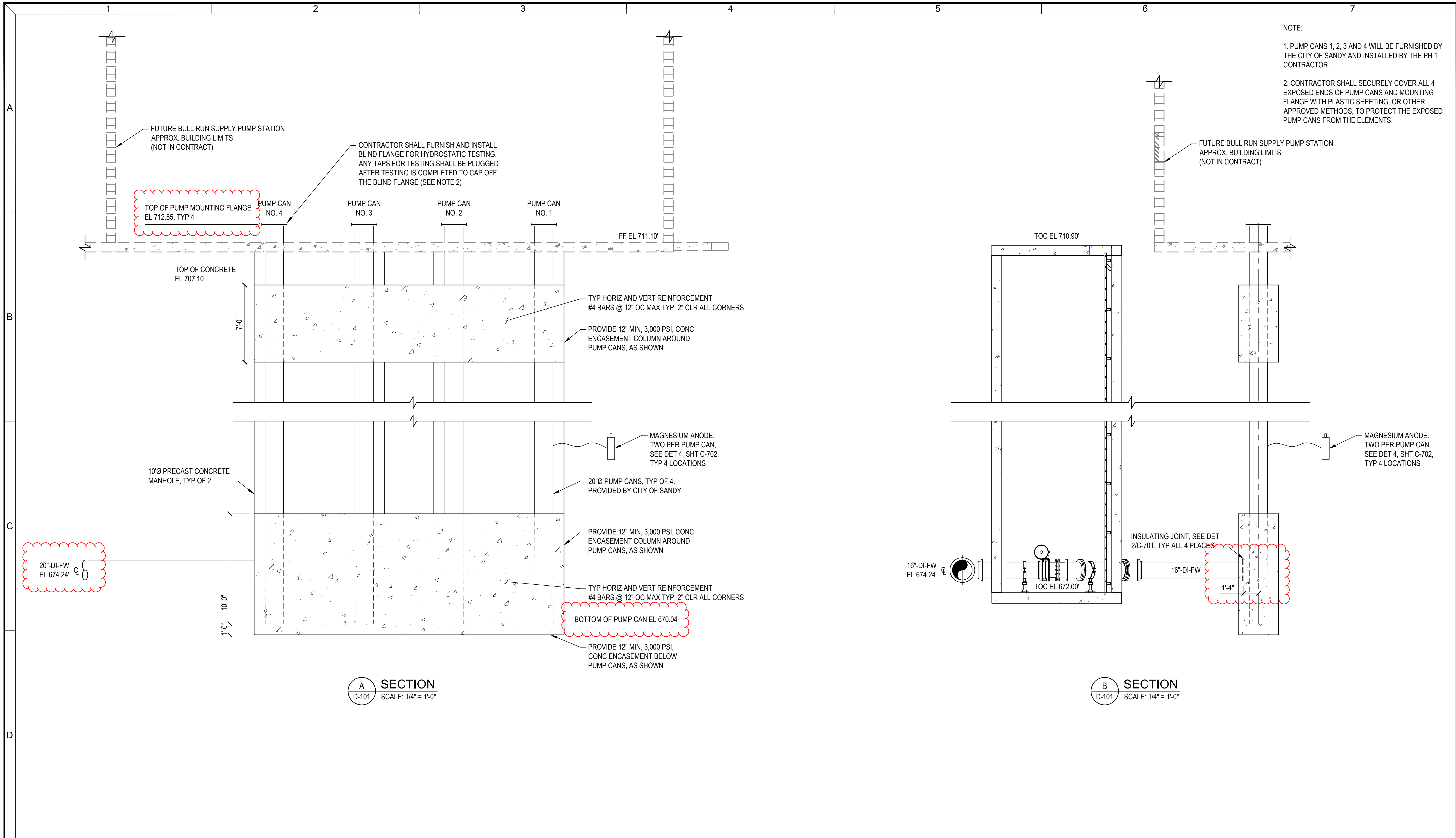
Answers:

1. The Pump Barrels (Cans) are attached to the main 20-inch suction header pipe via individual 16-inch pump suction pipes with flanged connections to each pump can. Per attached Drawing "Phase 1 - D-301", the centerline of the 16-inch inlet flange is to be at elevation 674.24', approximately 4'-2 3/8" above the bottom of the pump can. The bottom of the pump can may need to go deeper as determined/required by pump manufacturer to meet hydraulic institute requirements, based on the pump selection.

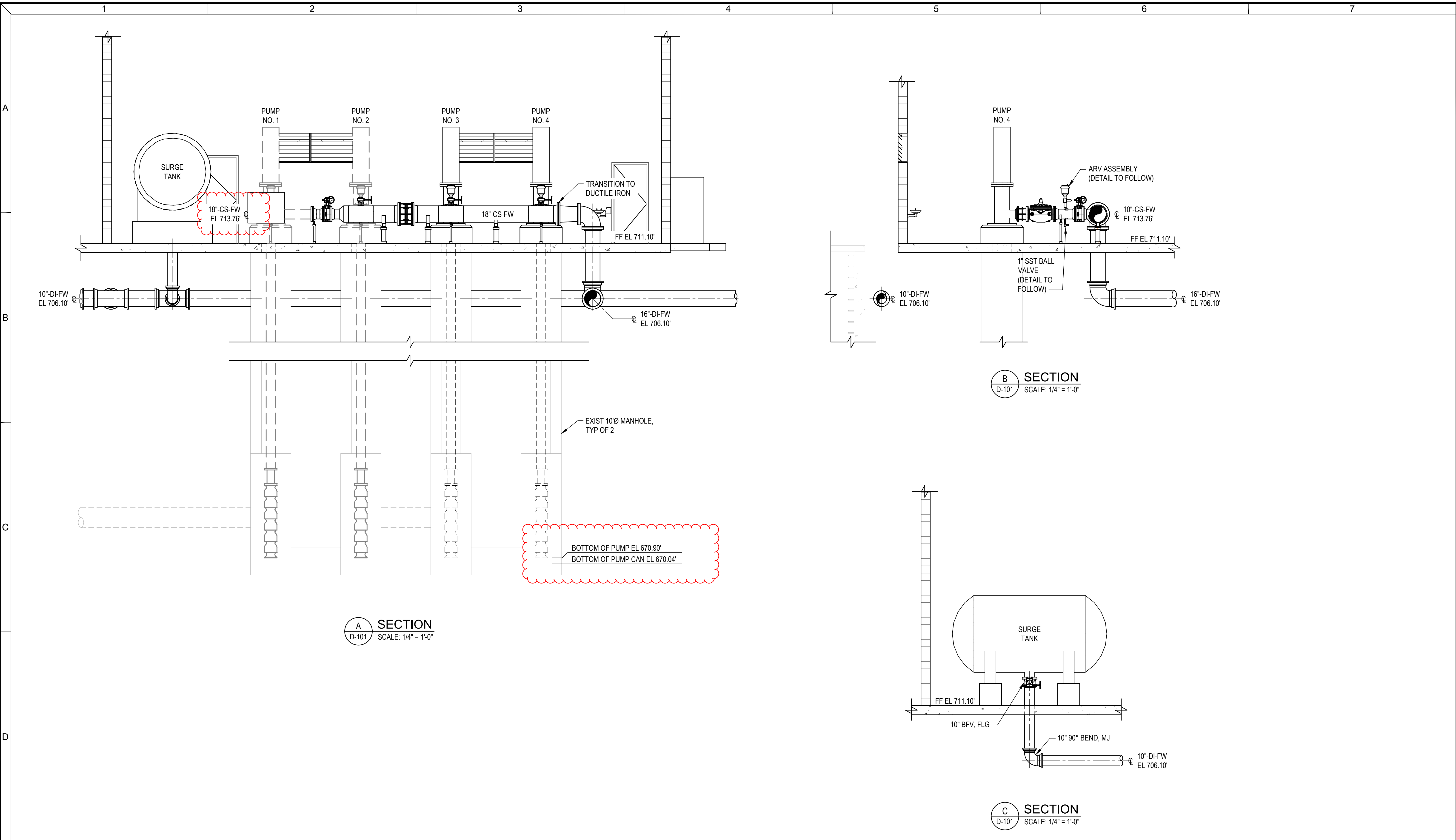
Per attached Drawing “Phase 1 - D-301”, the face of the inlet flange is shown extending 1’-4” from the centerline of the pump can, however pump supplier may recommend a different dimension based on their pump can design. Per Specification Section 43 21 27, Part 2.2 D., Pump Dimension Table Item, Suction flange Rating (AWWA), the flange is to be Class D Flange (AWWA or Class 150 Flange per ANSI B16.5). The face style shall be flat faced as the intended insulating gaskets for corrosion prevention are specified as full faced (Garlock Gylon 3505, or equal).

2. See specification Section 43 21 27, Part 2.2 D., Pump Dimension Table Item, Approximate Suction Barrel Length of 513-11/16 inches (42’-9 11/16”) corresponds to the elevations as listed on attached Drawing “Phase 1 - D-301” (note the bottom of the pump can is measured from the bottom exterior of the can):
 - TOP OF PUMP MOUNTING FLANGE EL 712.85’
 - BOTTOM OF PUMP CAN EL 670.04’

The intent of the design is to have the inlet flange oriented 180 degrees from the pump discharge. Per attached Drawing “Phase 2 - D-301”, the pump discharge centerline elevation is shown as 713.76’, approximately 0’-11” above the face of the top of the pump can mating flange. This dimension may change based on the pump manufacturer’s requirements.



<p>This document, ideas, and designs incorporated herein, are an instrument of professional service, and is not to be used, in whole or in part, for any other project without the written authorization of Consor.</p>	Consultant:	<h1>100% SUBMITTAL</h1>	Engineer's Seal:		Project Title: CITY OF SANDY BULL RUN SUPPLY PUMP STATION - PHASE 1	Drawing Title: PROCESS PUMP CAN SECTIONS	Designed By: BKH	Consor Project No.: W232464OR
			PRELIMINARY NOT FOR CONSTRUCTION				Checked By: AJC	Issued On: OCTOBER 2024
							Approved By: EPK	Drawing No.: D-301
								0 1/2 1 IF BAR DOES NOT MEASURE 1" DRAWING IS NOT TO SCALE



A SECTION
D-101 SCALE: 1/4" = 1'-0"

B SECTION
D-101 SCALE: 1/4" = 1'-0"

C SECTION
D-101 SCALE: 1/4" = 1'-0"

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	Checked By: AJC		Issued On: OCTOBER 2024					
							Approved By: EPK	Drawing No.: D-301
							0 1/2 1 IF BAR DOES NOT MEASURE 1" DRAWING IS NOT TO SCALE	