Memo

Date:	Wednesday, June 24, 2026
Project:	140A1626B0001 Bannock Pumping Plant Modernization and Rehabilitation
To:	Mark McNearney, P.E., Civil Engineer, BIA Office of Trust Services Division of Water and Power Branch of Irrigation and Power
From:	Jerry Otto, P.E.
Subject:	Bannock Pumping Plant Low and High-Lift 20-inch Steel Discharge Piping – Concrete Encasement

Mr. McNearney,

In August 2024 HDR conducted, via potholing, a visual observation of selected 20-inch steel discharge pipes originating from the Bannock Pumping Plant low and high-lift pump system. The goal of this observation was to validate location, depth and general observable exterior pipe conditions. The results of that observation effort are provided in Attachment 1.

HDR observed minor visible pitting on the pipe external surface beneath what is believed to be coal tar or wax taping encompassing the pipe.

More important, the high-lift steel pipes were found to have concrete encasements as concrete was encountered at approximately six-inches below existing ground surface at the time of the observation. The encasement was not installed consistent with intended encasements, and it is believed that excess concrete may result from excess concrete being poured into the pipe trenches during the construction of the adjacent thrust blocks. Attachment 1 depicts the approximate area of the concrete encountered.

The construction contractor will be responsible for field verifying the location/depth of the suspect concrete between the pumping plant and thrust blocks and take precautions so as not to disturb the concrete during site civil work or making new pipe connections such that damage occurs to the existing buried steel pipe.

ATTACHMENT 1

140A1622F0026 BANNOCK PUMPING PLANT MODERNIZATION
INVESTIGATION OF EXISTING 20-INCH-DIAMETER STEEL DISCHARGE PIPES
AUGUST 9, 2024

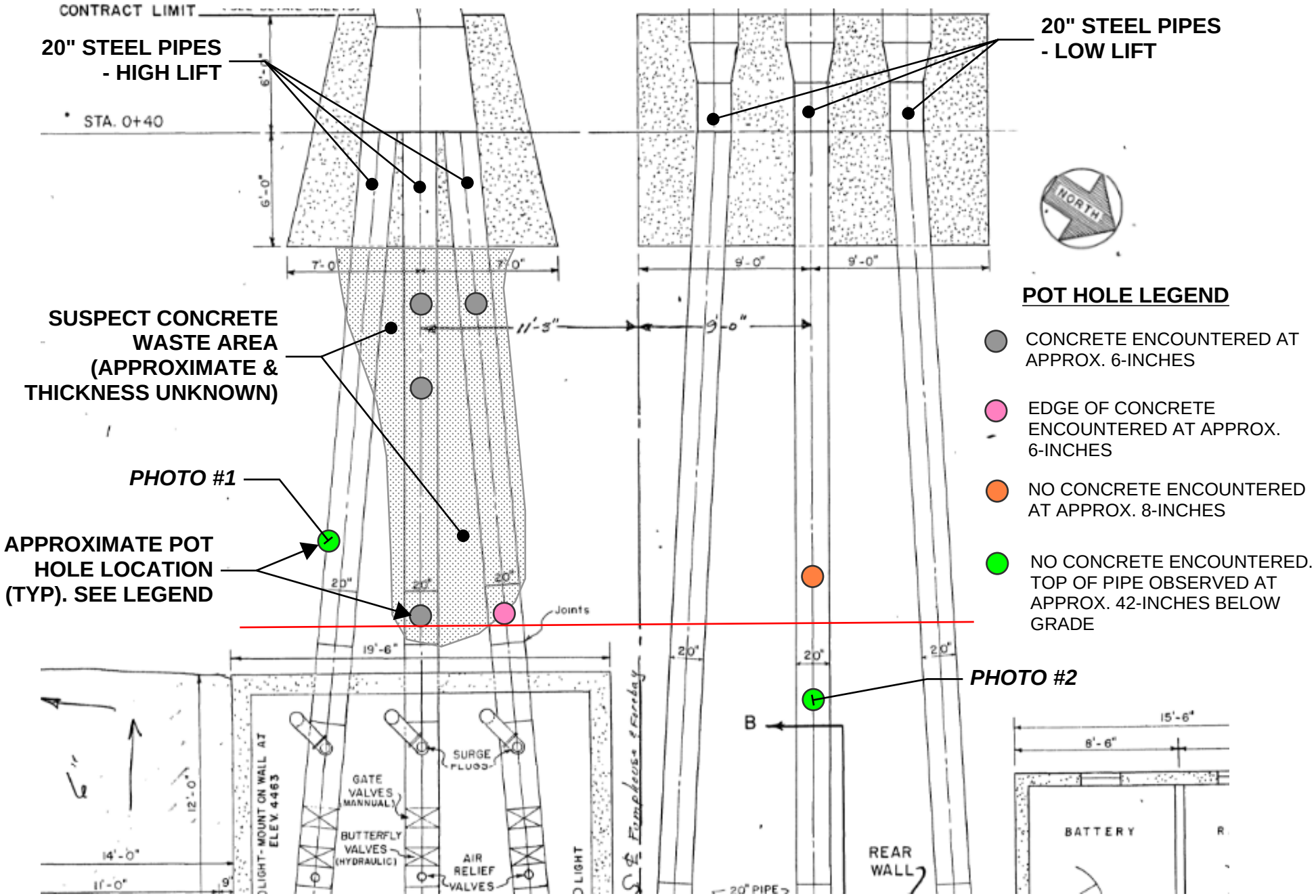

PHOTO #1

PHOTO #2