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ENGINEER'S SUPPLEMENTAL INSTRUCTIONS NO. THIRTY (30)
(Via Posting to FTP Site and Electronic Mail)

TO: Wes Weaver
John Jacob
Jeff Burst
Weaver Construction Management, Inc.

DATE: December 10, 2013

FROM: Mark A. Morton, P.E.
GMS, Inc.

RE: Harold D. Thompson Regional Water Reclamation Facility (HDTRWRF)-Phase 1
ENGINEER'S SUPPLEMENTAL INSTRUCTIONS THIRTY (ESI-030)

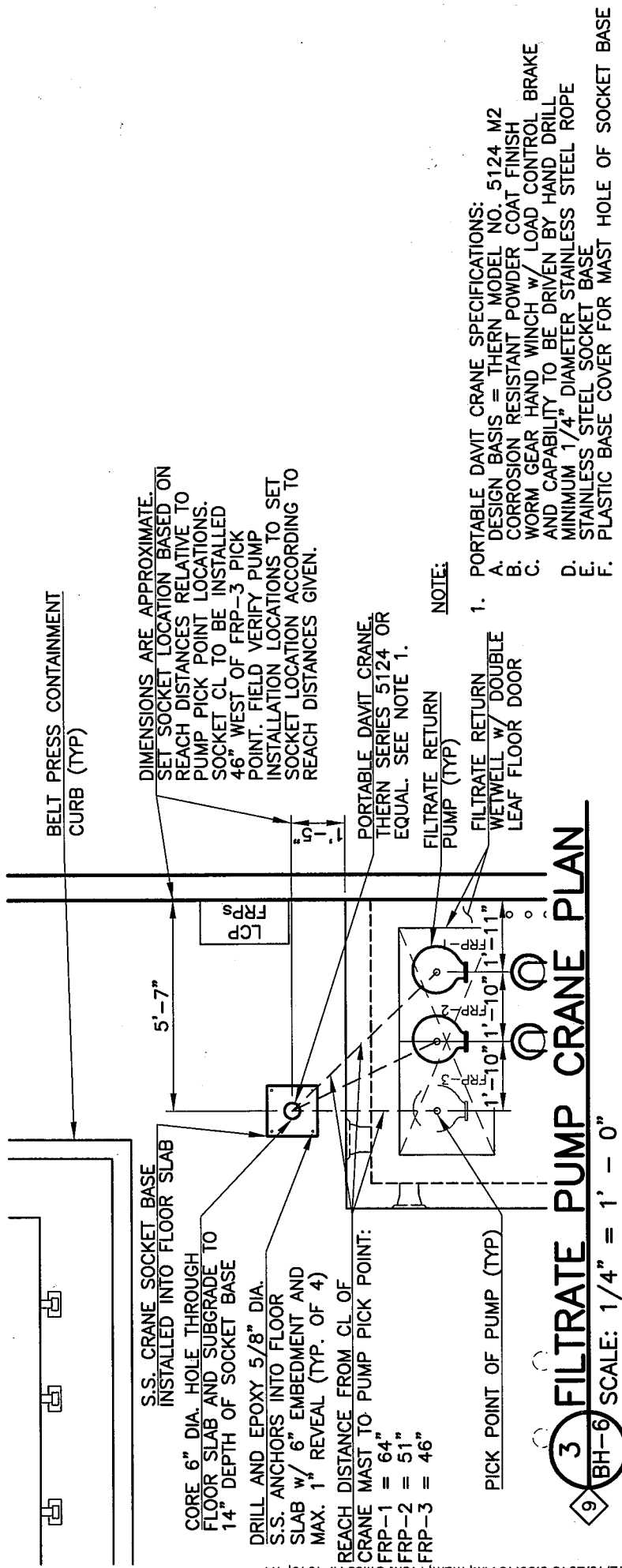
This ESI-030 provides information on additional work required in the Biosolids Handling Complex to facilitate removal of the filtrate return pumps. This work involves the provision of a portable davit crane and the installation of its socket base in the building floor slab. The drawing attached to this ESI-030 provides the installation details and requirements related to this work. It should be noted that the installation location of the socket base for the davit crane shall be set relative to the as-constructed locations of the filtrate return pumps. Refer to the attached Detail 3/BH-6 for the specific details required for the placement of the crane's socket base.

If you should have any questions or desire additional information, please contact our office at your earliest convenience.

Attachments: Filtrate Pump Crane Plan 3/BH-6

ec: Lower Fountain Metropolitan Sewage Disposal District
Fountain Sanitation District
Colorado Centre Metropolitan District

cc: Jerry Miller, GMS, Inc.
David R. Frisch, P.L.S., GMS, Inc.
Roger J. Sams, P.E.



BELT PRESS CONTAINMENT CURB (TYP)

DIMENSIONS ARE APPROXIMATE. SET SOCKET LOCATION BASED ON REACH DISTANCES RELATIVE TO PUMP PICK POINT LOCATIONS. SOCKET CL TO BE INSTALLED 46" WEST OF FRP-3 PICK POINT. FIELD VERIFY PUMP INSTALLATION LOCATIONS TO SET SOCKET LOCATION ACCORDING TO REACH DISTANCES GIVEN.

S.S. CRANE SOCKET BASE INSTALLED INTO FLOOR SLAB

CORE 6" DIA. HOLE THROUGH FLOOR SLAB AND SUBGRADE TO 14" DEPTH OF SOCKET BASE

DRILL AND EPOXY 5/8" DIA. S.S. ANCHORS INTO FLOOR SLAB w/ 6" EMBEDMENT AND MAX. 1" REVEAL (TYP. OF 4)

REACH DISTANCE FROM CL OF CRANE MAST TO PUMP PICK POINT:
 FRP-1 = 64"
 FRP-2 = 51"
 FRP-3 = 46"

PORTABLE DAVIT CRANE. THERN SERIES 5124 OR EQUAL. SEE NOTE 1.

FILTRATE RETURN PUMP (TYP)

FILTRATE RETURN WETWELL w/ DOUBLE LEAF FLOOR DOOR

PICK POINT OF PUMP (TYP)

NOTE:

1. PORTABLE DAVIT CRANE SPECIFICATIONS:
 - A. DESIGN BASIS = THERN MODEL NO. 5124 M2
 - B. CORROSION RESISTANT POWDER COAT FINISH
 - C. WORM GEAR HAND WINCH w/ LOAD CONTROL BRAKE AND CAPABILITY TO BE DRIVEN BY HAND DRILL
 - D. MINIMUM 1/4" DIAMETER STAINLESS STEEL ROPE
 - E. STAINLESS STEEL SOCKET BASE
 - F. PLASTIC BASE COVER FOR MAST HOLE OF SOCKET BASE

3 FILTRATE PUMP CRANE PLAN

BH-6 SCALE: 1/4" = 1' - 0"