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ENGINEER'S SUPPLEMENTAL INSTRUCTIONS NO. TWENTY-NINE (29)
(Via Posting to FTP Site and Electronic Mail)

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

DATE: October 30, 2013

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

RE: Harold D. Thompson Regional Water Reclamation Facility (HDTRWRF)-Phase 1
ENGINEER'S SUPPLEMENTAL INSTRUCTIONS TWENTY-NINE (ESI-029)

This ESI-029 provides information on two additional items of work required for the project. The first item of work involves additional valve installations on the digested sludge discharge piping in the Biosolids Handling Complex to accommodate the interim transfer of digested solids to a tanker truck. The drawings attached to this ESI-029 provide the installation details and work requirements for these valve installations. Refer to the list of attachments at the end of this ESI-029 for an itemization of those drawings and details.

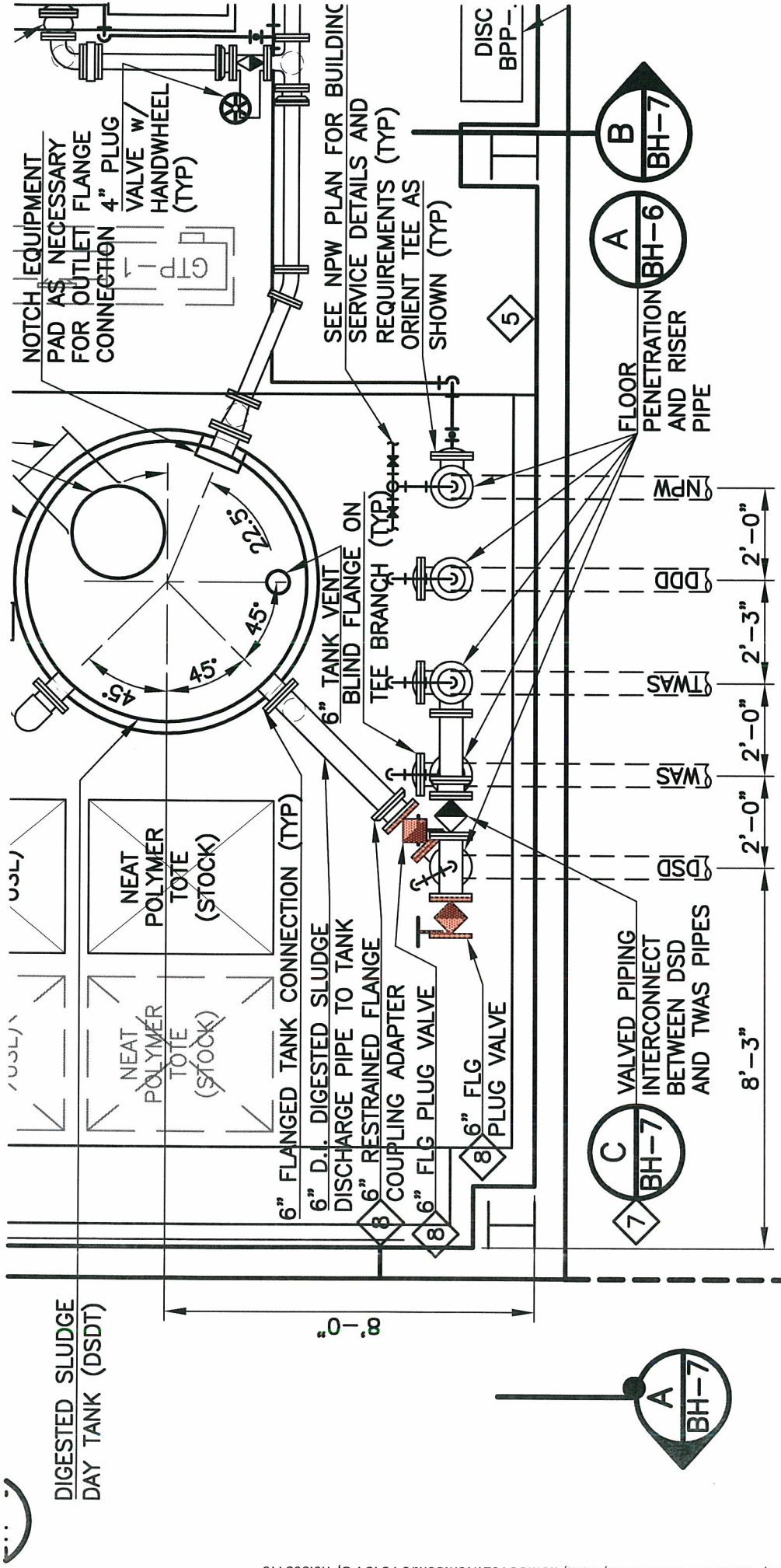
The second item of work involves the air lines from the pneumatic control panel to the belt filter press unit. The copper air lines installed in an enclosed PVC conduit shall be replaced with nylon tubing laid in an open support tray configuration. The nylon tubing shall be minimum 1/4" diameter tubing with a pressure rating not less than 200 psi and shall be the same tubing installed on the belt filter press by the manufacturer. The Contractor shall coordinate and provide the appropriate transition fittings for the nylon tubing to accommodate the air line connections provided on the equipment. The Contractor shall provide complete product data sheets for these materials to be incorporated into the Owner's O&M Manual documentation. The open support trays shall provide continuous support of the HDPE pipes without enclosing them in order to provide ease of access for repair and replacement. The support trays may be similar to the electrical cable support trays discussed in CPM No. 58 on October 24, 2013, i.e., the Flextray™ Cable Management System produced by Cooper Industries, B-Line Products Division.

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

Attachments: Partial View of Process Equipment and Piping Plan 1/BH-6
Partial View of Pump Piping Section C/BH-7

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

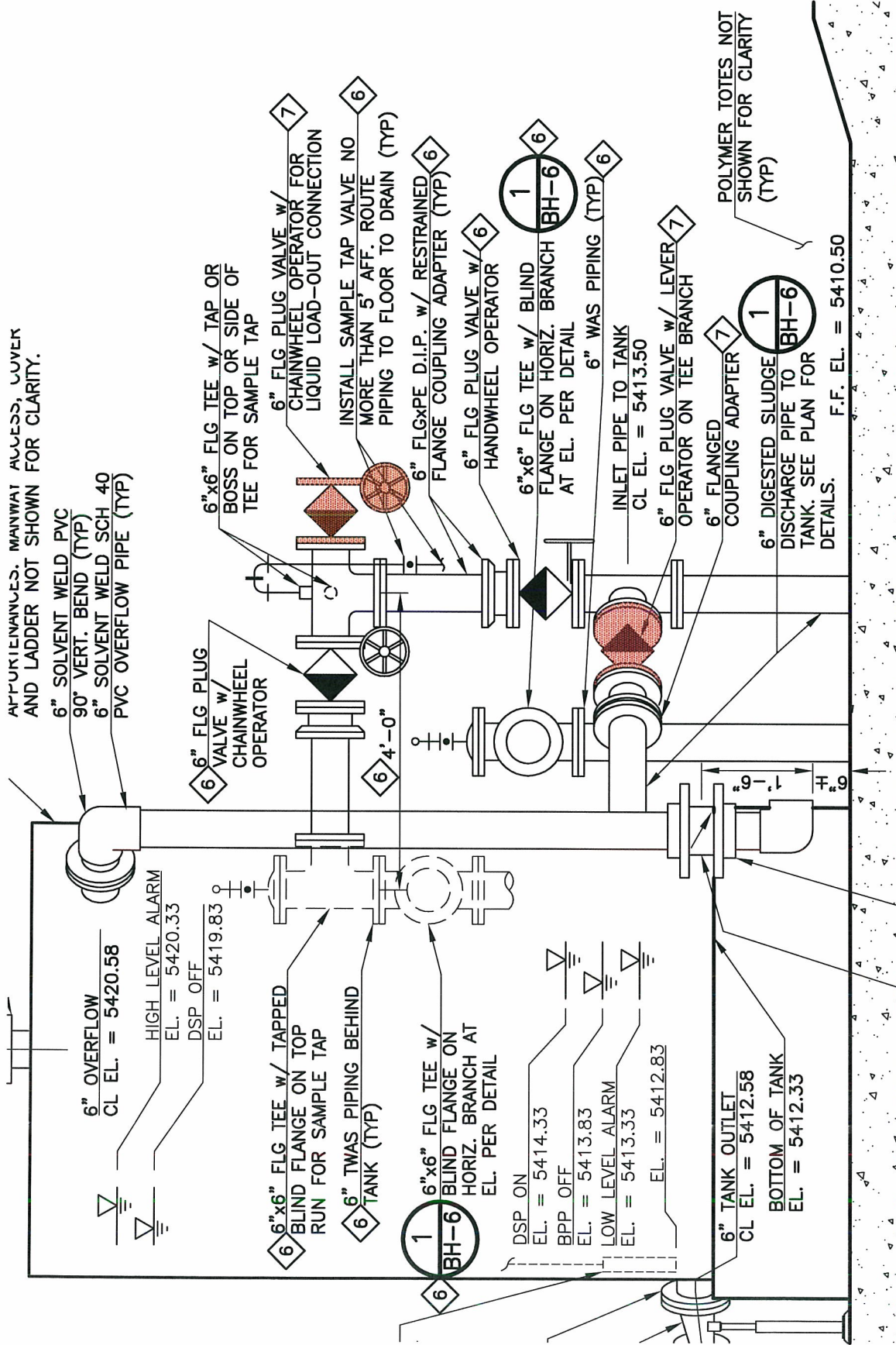
cc: Jerry Miller, GMS, Inc.
David R. Frisch, P.L.S., GMS, Inc.
Roger J. Sams, P.E.



1 PARTIAL VIEW -- PROCESS EQUIPMENT AND PIPING PLAN

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

AFFURNIANCES, MANWAT ACCESS, LUYER AND LADDER NOT SHOWN FOR CLARITY.



C PARTIAL VIEW - PUMP PIPING SECTION

SCALE: 1/2" = 1' - 0"

G AND PER BH-10

BH-7

F.F. EL. = 5410.50

6" DIGESTED SLUDGE DISCHARGE PIPE TO TANK. SEE PLAN FOR DETAILS.

POLYMER TOTES NOT SHOWN FOR CLARITY (TYP)

INLET PIPE TO TANK CL EL. = 5413.50

6"x6" FLG TEE w/ BLIND FLANGE ON HORIZ. BRANCH AT EL. PER DETAIL

6" FLG PLUG VALVE w/ LEVER OPERATOR ON TEE BRANCH

6" FLG PLUG VALVE w/ RESTRAINED FLANGE COUPLING ADAPTER (TYP)

6" FLG PLUG VALVE w/ CHAINWHEEL OPERATOR FOR LIQUID LOAD-OUT CONNECTION

6"x6" FLG TEE w/ TAP OR BOSS ON TOP OR SIDE OF TEE FOR SAMPLE TAP

6" FLG PLUG VALVE w/ CHAINWHEEL OPERATOR

6"x6" FLG TEE w/ TAPPED BLIND FLANGE ON TOP RUN FOR SAMPLE TAP

6" OVERFLOW CL EL. = 5420.58

6" SOLVENT WELD PVC 90° VERT. BEND (TYP) 6" SOLVENT WELD SCH 40 PVC OVERFLOW PIPE (TYP)

DSP ON EL. = 5414.33

BPP OFF EL. = 5413.83

LOW LEVEL ALARM EL. = 5413.33

EL. = 5412.83

6" TANK OUTLET CL EL. = 5412.58

BOTTOM OF TANK EL. = 5412.33