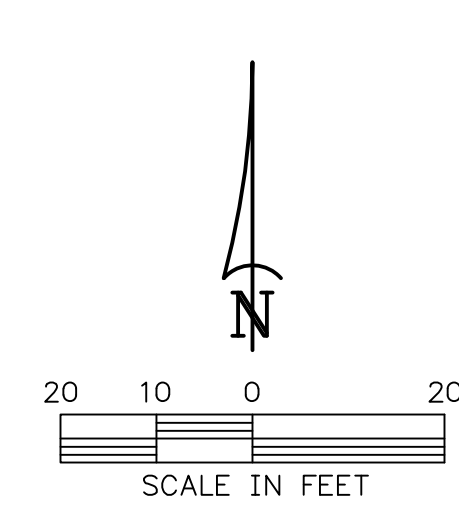
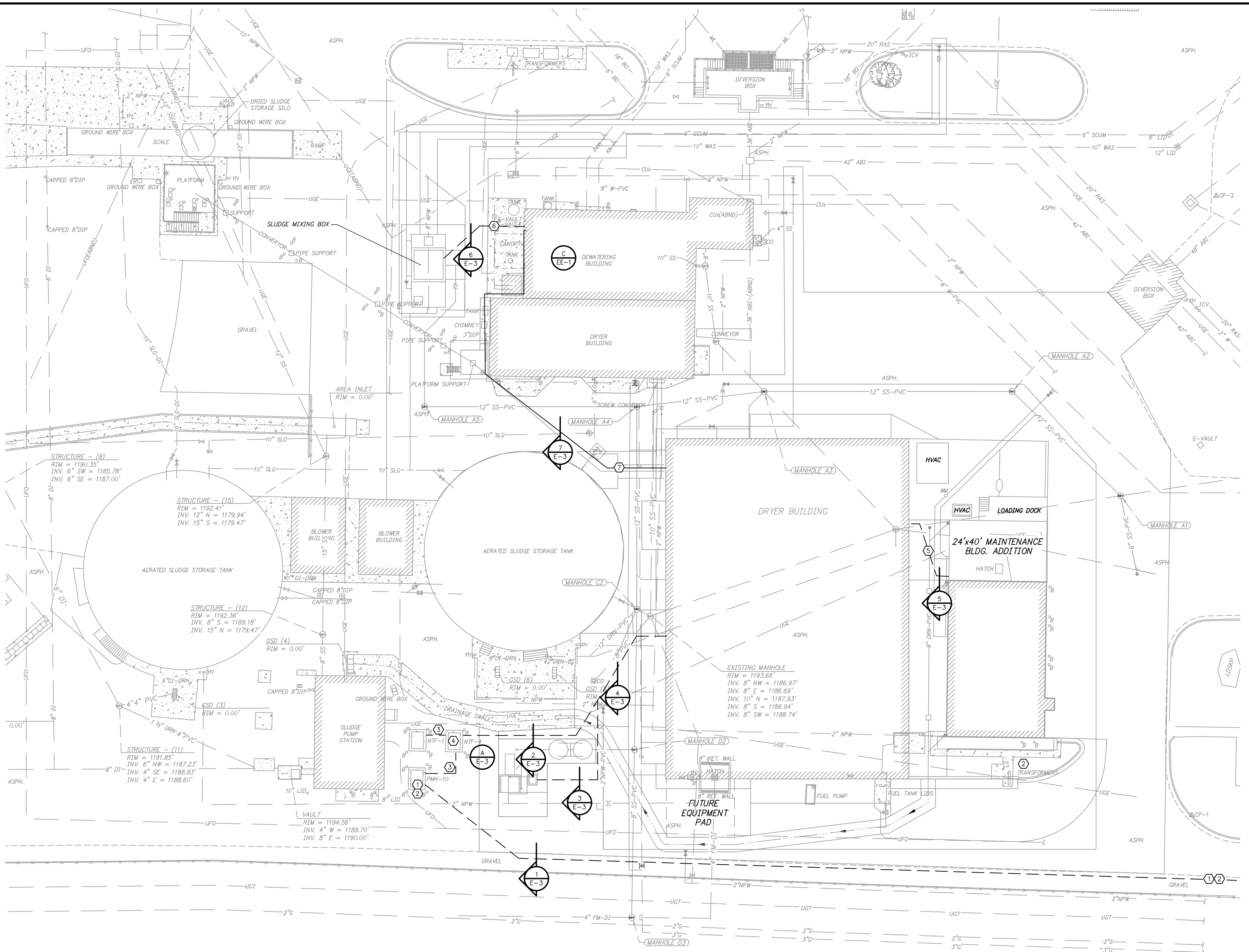


Z:\20\2020043 ROGERS SOLIDS HANDLING IMPROVEMENTS, PH. 2\DRAWINGS\CONSTRUCTION DRAWINGS\WIP\E-02.DWG, 8/26/2024 11:12 AM, MATT WEIR, LAYOUT



ONE INCH AT FULL SIZE IF NOT ONE INCH SCALE ACCORDINGLY

DATE	REVISION



HAWKINS WEIR ENGINEERS, INC.

BLACK & VEATCH

ROGERS, ARKANSAS
 ROGERS POLLUTION CONTROL FACILITY (PCF)
 SOLIDS HANDLING IMPROVEMENTS, PHASE II
 DRYER BUILDING AREA
 ELECTRICAL SITE PLAN
 FOR: ROGERS WATER UTILITIES

- KEYED NOTES:**
- INTERCEPT THE EXISTING MEDIUM VOLTAGE LOOP AT THE JUNCTION BOX OF TRANSFORMER ETF-1 AND ROUTE ONE (1) 4" CONDUIT WITH THREE (3) MV105 15KV #2 COPPER WITH CONCENTRIC NEUTRAL. INCLUDE A SECOND 4" CONDUIT AS SPARE. ROUTE BOTH CONDUITS TO PAD MOUNT SWITCH PMH-10 INTO THE SPARE COMPARTMENT SECTION. TOTAL CIRCUIT LENGTH 500'. CONTRACTOR VERIFY. PROVIDE 200A LOAD BREAK ELBOWS FOR ALL TERMINATIONS AT TRANSFORMERS AND CABLE TERMINATORS AT THE PMH.
 - REMOVE THE EXISTING CABLE AND DEMO THE CIRCUIT BETWEEN ETF-1, ETF-2, AND PMH-10. SALVAGE TRANSFORMER ETF-2 TO THE OWNER.
 - INSERT PROPOSED TRANSFORMER NTF-4 INTO THE PLANT MEDIUM VOLTAGE LOOP BY REMOVING THE SHORT CABLE ROUTE AT PMH-10 TO EXISTING TRANSFORMER NTF-1. CONSTRUCT THE TRANSFORMER PAD FOR PROPOSED TRANSFORMER NTF-4 AND ROUTE THE REMOVED CABLE INTO NTF-4 THROUGH 4" CONDUIT BETWEEN NTF-1 AND NTF-4 PRIMARY SECTIONS. ROUTE A 4" CONDUIT WITH THREE (3) MV105 15KV #2 COPPER WITH CONCENTRIC NEUTRAL FROM NTF-4 TO THE PMH-10 SWITCH COMPARTMENT PREVIOUSLY OCCUPIED BY THE NTF-1 CIRCUIT. TOTAL CIRCUIT LENGTH 40'. CONTRACTOR VERIFY. PROVIDE 200A LOAD BREAK ELBOWS FOR ALL TERMINATIONS AT THE TRANSFORMER AND CABLE TERMINATORS AT THE PMH.
 - PROVIDE AND INSTALL A 1500KVA 13.2KV X 277/480V PAD MOUNT TRANSFORMER NTF-4, SIMILAR OR EQUAL TO UNIT PRESENTLY ON ORDER BY ROGERS PCF FOR PLANT SPARE PER PROJECT SPECIFICATIONS.
 - UNDERGROUND 3" CONDUIT (POWER-SWB04) AND 2" CONDUIT (FIBER-PLC17) FROM THE DRYER BUILDING ELECTRICAL ROOM VIA CABLE TRAY AND CONDUIT TO THE MAINTENANCE BUILDING.
 - UNDERGROUND 1 1/4" (POWER-10SWBD01, 1" (120VAC-10LPO1), AND 1" (DATA-PLC11) CONDUITS TO THE SLUDGE MIXING BOX ELECTRICAL EQUIPMENT. CONTRACTOR TO VERIFY IF EXISTING CONDUITS ARE AVAILABLE AT THE HANDHOLE NEAR THE NORTHWEST CORNER OF THE DEWATERING BUILDING. DETERMINE BEST ROUTING INTO THE BUILDING IF NOT AVAILABLE.
 - OVERHEAD (2) 2" CONDUITS (FIBER-PLC11) FROM THE ELECTRICAL ROOM PLC-17. ATTACH WITH UNISTRUT SUPPORT TO THE CONVEYOR SUPPORTS AND DETERMINE BEST ROUTING INTO THE DEWATERING BUILDING.

DATE: AUGUST 2024
 SCALE: 1"=20'
 DESIGNED BY: LSM
 DRAWN BY: LSM
 HWEL NO.: 2020043
 FILENAME: E-02