GENERAL NOTES:

1. LINES THAT ARE FADED/GRAYED BACK REPRESENT EXISTING.
2. LINES THAT ARE BOLD/DARK REPRESENT NEW.
3. SCHEMATICS SHOWN ARE GENERALIZATIONS. SEE P&ID DRAWINGS FOR ADDITIONAL DETAILS.

LEGEND:

- PLUG VALVE
- CHECK VALVE
- BUTTERFLY VALVE
- GATE
- LIQUID
- SOLIDS
- BUILDING BOUNDARY

(DEWATERING BUILDING)

EXISTING SCREW CONVEYOR

EXISTING SCREW CONVEYOR

W2

EXISTING POLYMER FEED

EXISTING POLYMER FEED

EXISTING CENTRIFUGE #2

PD

EXISTING CENTRIFUGE #1

TO BNR

OVERFLOW TO DIVERSION BOX NO. 2

SLUDGE

SCUM

SLUDGE MIXING BOX

GRINDER #2

CENTRIFUGE FEED PUMP

GRINDER #1

CENTRIFUGE FEED PUMP

SLUDGE STORAGE

FROM TUBULAR DRAG CHAIN CONVEYOR NO. 3

FROM TUBULAR DRAG CHAIN CONVEYOR NO. 4

SCREW CONVEYOR NO. 3

SCREW CONVEYOR #5

SCREW CONVEYOR #4

(NEW DRYER BUILDING)

CAKE HOPPER #1

CAKE HOPPER #2

CAKE PUMP #1

DRYER #1

SCREW CONVEYOR (NOTE 2)

BOILER #1

TUBULAR DRAG CHAIN CONVEYOR NO. 3

CAKE PUMP #2

DRYER #2

SCREW CONVEYOR (NOTE 2)

BOILER #2

TUBULAR DRAG CHAIN CONVEYOR NO. 4

(EXISTING DRYER BUILDING)

TUBULAR DRAG CHAIN CONVEYOR NO. 5

EXISTING SCREW CONVEYOR OVER BAGGING AREA

EXISTING TUBULAR DRAG CHAIN CONVEYOR NO. 1

FUTURE SILO

EXISTING TUBULAR DRAG CHAIN CONVEYOR NO. 2

STORAGE SILO

NOTES:

1. PROPOSED NEW SCREW CONVEYOR SHALL PICK UP CAKE FROM THE EXTERIOR TRUCK LOADOUT SCREW CONVEYOR. TRUCK LOADOUT WILL OCCUR OUTSIDE THE EXISTING DRYER BUILDING FROM THE NEW SCREW CONVEYOR.
2. AN INCLINED SCREW CONVEYOR FROM THE DRYER DISCHARGE IS INCLUDED IN THE HUBER SCOPE OF SUPPLY. A NEW TUBULAR DRAG CONVEYOR WILL BE INSTALLED INSIDE THE NEW DRYER BUILDING TO CONVEY FINAL PRODUCT FORM THE DISCHARGE SCREW CONVEYOR TO THE EXISTING DRYER BUILDING.
3. THE NEW TUBULAR DRAG CONVEYOR WILL HAVE A WYE CONNECTION THAT ALLOWS THE FINAL PRODUCT TO BE TRANSFERRED TO THE EXISTING TUBULAR DRAG CONVEYOR OR INTO THE EXISTING SCREW CONVEYOR OVER THE EXISTING BAGGING AREA.

RWU SLUDGE HANDLING PROCESS FLOW DIAGRAM

NO SCALE

1"

ONE INCH AT FULL SIZE IF NOT ONE INCH SCALE ACCORDINGLY

REVISION	DATE

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER 6.30.2024 No. 22299 LORI R. OVERSTREET

HAWKINS WEIR ENGINEERS, INC.

BLACK & VEATCH

ROGERS, ARKANSAS
ROGERS POLLUTION CONTROL FACILITY (PCF)
SOLIDS HANDLING IMPROVEMENTS, PHASE II

SOLIDS PROCESS FLOW DIAGRAM

FOR: ROGERS WATER UTILITIES

DATE: AUGUST 2024
SCALE: AS SHOWN
DESIGNED BY: LRO
DRAWN BY: –
HWEI NO.: 2020043
FILENAME:

SHEET NO.
G–17

C:\PW_WORKING\BWA_AMERICAS\D1594227\G-17.DWG, 8/26/2024 10:34 AM, RAMSEY, AUSTIN W, NO-SSM-FIELDS