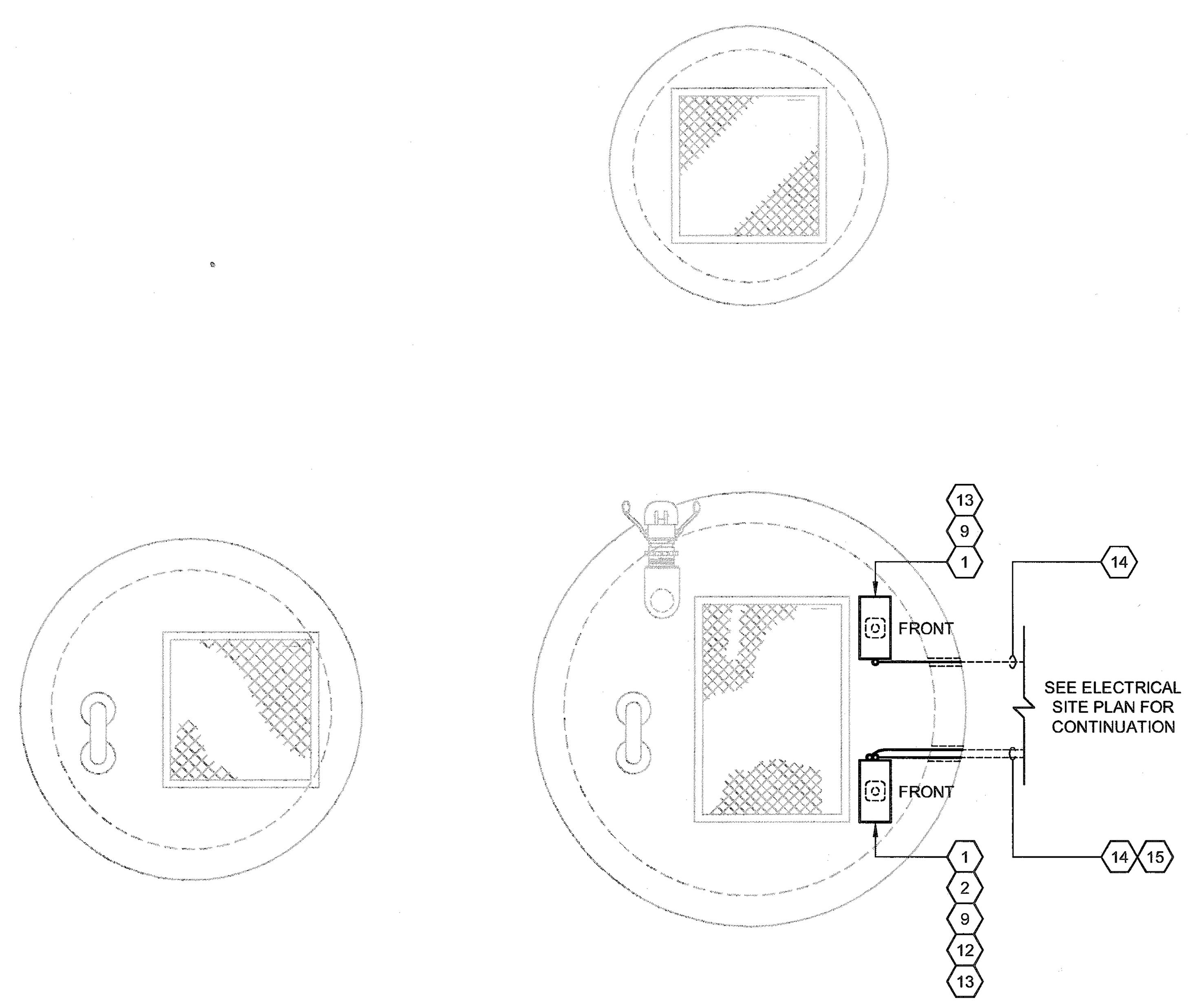
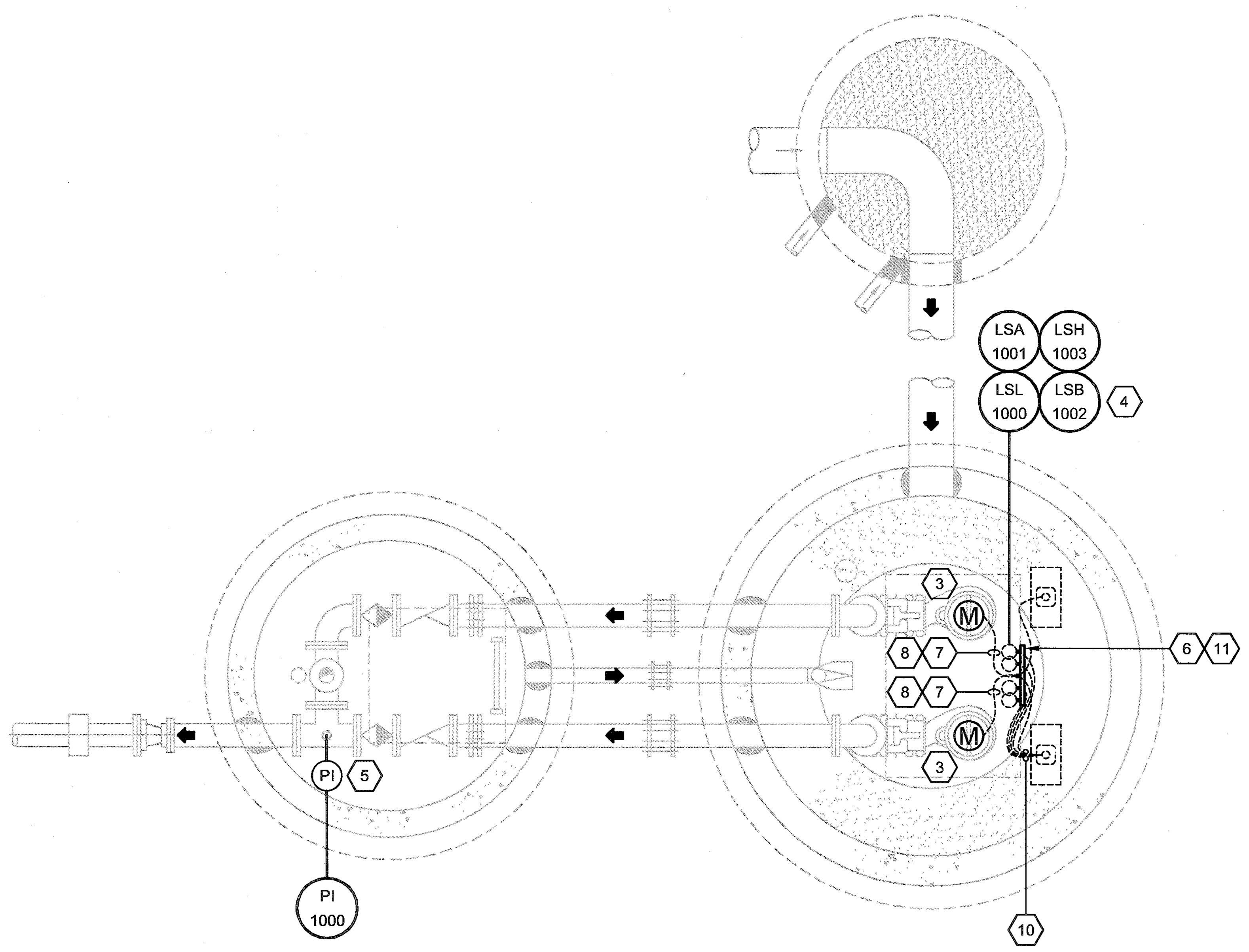


1 BABY FARMS LIFT STATION - ELECTRICAL PLAN - TOP SLAB

SCALE: 3/8"=1'-0"

PLAN NORTH



2 BABY FARMS LIFT STATION - ELECTRICAL PLAN - LOWER LEVEL

SCALE: 3/8"=1'-0"

PLAN NORTH

GENERAL NOTES:

1. THE PUMP STATION WETWELL IS CLASSIFIED AS CLASS I, DIVISION 1, GROUP D AREA PER NFPA 820. THE CLASS I, DIVISION 1 AREA EXTENDS TO 18" ABOVE THE PUMP STATION TOP SLAB AND EXTENDS 3' BEYOND ALL SIDES. ANY EQUIPMENT LOCATED WITHIN THE CLASSIFIED AREA SHALL BE UL LISTED FOR THAT AREA. ALL WIRING METHODS SHALL CONFORM TO THE REQUIREMENTS OF NEC ARTICLE 500 AND 501.
2. THE PUMP STATION VALVE VAULT IS CLASSIFIED AS CLASS I, DIVISION 2, GROUP C AND D AREAS PER NFPA 820. THE CLASS I, DIVISION 2 AREA EXTENDS TO 18" ABOVE THE TOP SLAB AND EXTENDS 3' BEYOND ALL SIDES. ANY EQUIPMENT LOCATED WITHIN THE CLASSIFIED AREA SHALL BE UL LISTED FOR THAT AREA. ALL WIRING METHODS SHALL CONFORM TO THE REQUIREMENTS OF NEC ARTICLE 500 AND 501.
3. ALL CONDUITS ENTERING HAZARDOUS LOCATIONS, AS NOTED IN PRECEDING NOTES, SHALL HAVE SEAL FITTINGS BEFORE ENTRANCE INTO AREA. CONDUITS LEAVING HAZARDOUS LOCATIONS SHALL HAVE SEAL FITTINGS AFTER LEAVING THE HAZARDOUS AREA.
4. ALL EXPOSED CONDUITS SHALL BE ALUMINUM ONLY (NO EXCEPTIONS).
5. ALL CONDUITS SHOWN AT THE WETWELL ARE ROUTED WITHIN THE SLAB. DO NOT ROUTE ANY EXPOSED CONDUITS WITHIN THE WETWELL AREA OR ON TOP OF THE WETWELL SLAB.
6. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 4" SEPARATION BETWEEN ALL CONDUITS LARGER THAN 1" WHICH ARE ROUTED WITHIN THE TOP SLAB. SEPARATION SHALL BE MEASURED BETWEEN OUTER EDGE OF CONDUITS; NOT CENTERLINE.

⬡ SHEET KEYNOTES:

1. NEMA 4X WETWELL JUNCTION BOX FOR CONVERSION OF PUMP POWER AND CONTROL CABLE TO SINGLE CONDUCTORS - TYPICAL OF 2. SEE DRAWING E-501, DETAIL 1, FOR REQUIREMENTS.
2. NEMA 4X WETWELL JUNCTION BOX FOR CONVERSION OF FLOAT CABLES TO SINGLE CONDUCTORS - THIS BOX IS COMMON TO THE WETWELL JUNCTION BOX NOTED IN KEYNOTE 1.
3. SUBMERSIBLE PUMP/MOTOR.
4. FLOATS - TYPICAL OF 4. CABLES SHALL BE ROUTED THROUGH WETWELL SLAB TO WETWELL JUNCTION BOX VIA SEALING CONNECTORS. COORDINATE FLOAT ELEVATIONS WITH SANITARY DRAWINGS AND SPECIFICATIONS.
5. NEW PRESSURE GAUGE. SEE SPECIFICATIONS FOR GAUGE REQUIREMENTS AND RANGES.
6. LEVEL SENSOR HOLDER. SEE DRAWING I-501 FOR DETAILS.
7. SUBMERSIBLE PUMP POWER/CONTROL CABLE FROM PUMP MOTOR TO WETWELL JUNCTION BOX.
8. CONTRACTOR SHALL FURNISH AND INSTALL STAINLESS STEEL STRAIN RELIEF CABLE GRIP AT EACH END OF PUMP CABLES.
9. CONTRACTOR SHALL FURNISH AND INSTALL SEALING CONNECTORS (CLASS I, DIVISION 2) FOR PUMP POWER/CONTROL CABLES.
10. SUBMERSIBLE FLOAT CABLES TO WETWELL JUNCTION BOX.
11. CONTRACTOR SHALL FURNISH AND INSTALL STAINLESS STEEL STRAIN RELIEF CABLE GRIPS FOR EACH FLOAT CABLE.
12. CONTRACTOR SHALL FURNISH AND INSTALL SEALING CONNECTORS (CLASS I, DIVISION 2) FOR EACH FLOAT CABLE.
13. CONTRACTOR SHALL CORE THROUGH SLAB TO ALLOW ROUTING OF PUMP POWER AND CONTROL CABLE (OR FLOAT CABLES).
14. PUMP BRANCH CIRCUIT FROM LIFT STATION CONTROL PANEL - SEE DRAWING E-701 FOR REQUIRED CONDUIT/CONDUCTORS.
15. 8#12, 1#12 GND, 1"C FROM WETWELL JUNCTION BOX TO LIFT STATION CONTROL PANEL (FLOAT CABLES).

GRW PROJECT NO. 4625

CLIENT PROJECT NO.

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BABY FARMS LIFT STATION - ELECTRICAL PLAN

BABY FARMS LIFT STATION AND FORCE MAIN IMPROVEMENTS

FALL CREEK REGIONAL WASTE DISTRICT

DESIGNED: WER

DRAWN: WER

REVIEWED: WER

APPROVED: WLM

REVISIONS

NO.	DESCRIPTION	DATE	BY

DATE:

SCALE: NOT TO SCALE

SHEET NO. E-102

PLOTTED BY: WRoberts

PRINTED: 11/17/2017 @ 2:38PM

FILE NAME: G:\4625-FCRWD-BFLS\Working Drawings\AutoCAD\4625-E-102.dwg