B. ALL TEST PORT FITTINGS TO BE ROTATED 45° FROM THE BOTTOM OF THE SUMP. ŤÚEĽIŇĠ COŇŤŘÁČŤOŘ IŠ ŤO PŘOVÍDĚ ÁŇĎ INSTALL BRAVO FITTINGS ALONG WITH THE REQUIRED EPOXY KITS FOR ALL ELECTRICAL CONDUITS PENETRATING THE SUMPS. ALL ELECTRICAL CONDUITS THAT ENTER TANK SUMPS MUST BE RIGID ROB ROY COATED BRAVO FITTINGS FOR 1" CONDUITS (F-10R-F) BRAVO FITTINGS FOR 3/4" CONDUITS

- (F-07R-F)
- USE OF SHUT-OFF HANDLE. E. SUMP SENSOR TO REST AT THE LOWEST POINT OF SUMP.

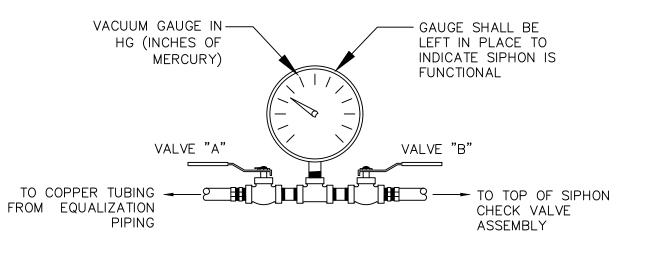
D. POSITION BALL VALVE FOR UNOBSTRUCTED

- F. ALL MANHOLE COVER LIDS TO BE PAINTED INDUSTRIAL GRAY.
- G. SUMP SEAMS SHOULD BE CONSTRUCTED USING A BOSTIK TYPE ADHESIVE/SEALANT BETWEEN SECTIONS OF THE SUMP WITH FIBERGLASS COATED SEAMS INSIDE AND OUTSIDE.
- H. SUBMERSIBLE TURBINE MOTORS AND MOTOR STEMS MUST NOT BE INSTALLED WHILE A TANK COMPARTMENT IS BALLASTED WITH WATER. PIPING CHECK VALVES MAY BE INSTALLED TO PERFORM AIR TESTING; HOWEVER, THEY MUST BE REMOVED AT ALL OTHER TIMES THE TANK IS BALLASTED WITH WATER.

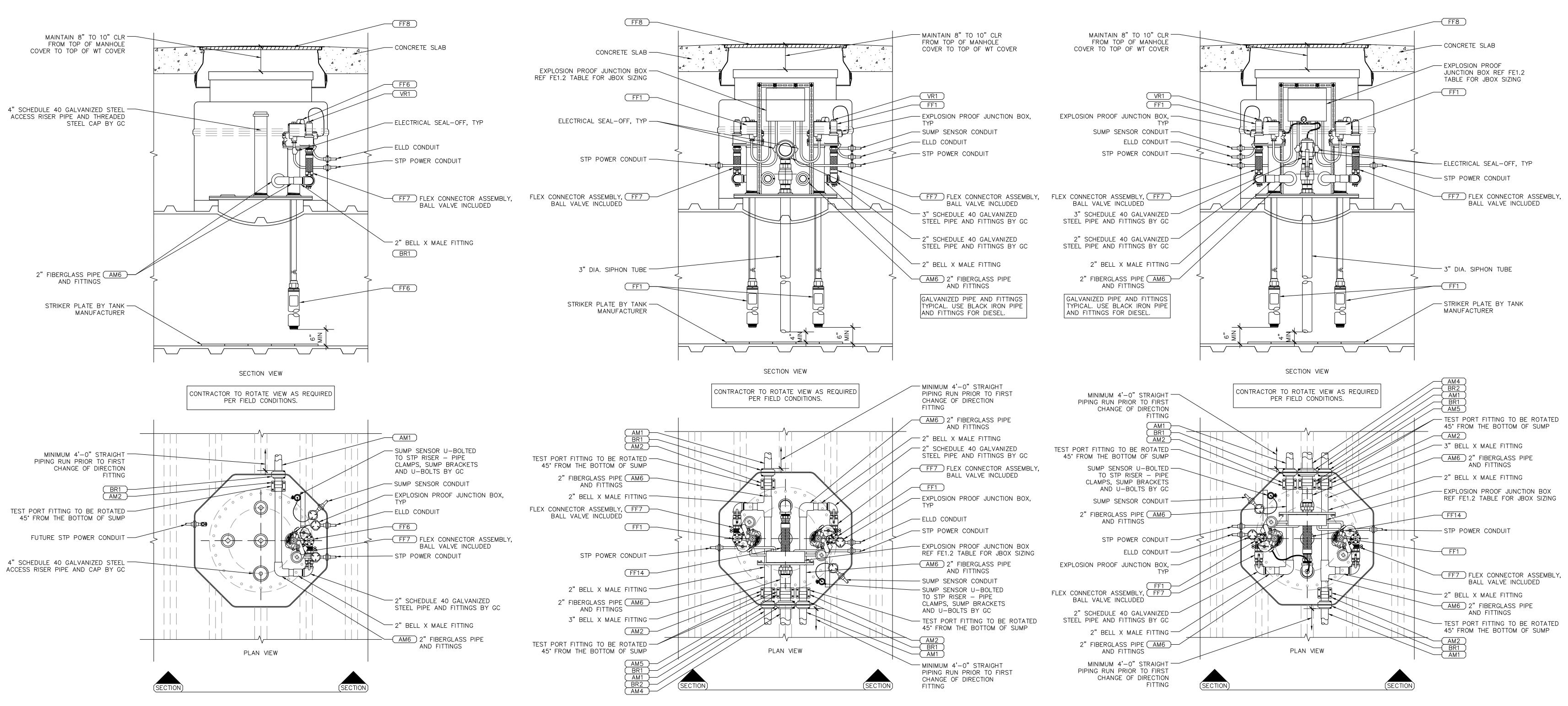
INSTALL TEST FIXTURE IN EQUALIZATION LINE AS SHOWN. RUN THE SUBMERSIBLES WITH DISPENSER NOZZLES CLOSED AND VALVE "A" CLOSED, VALVE "B" OPEN. THE NORMAL VACUUM READING SHOULD BE 15-28". NOTE: HIGHER RVP FUELS AND/OR HIGHER FUEL TEMPERATURES CAN RESULT IN LOWER VACUUM READINGS . IF THE VACUUM IS SOMEWHAT LESS THAN 15" THERE IS THE POSSIBILITY OF BLOCKAGE IN THE SIPHON PASSAGES (PLUGGED SIPHON NOZZLE AND/OR VENTURI, PLUGGED SIPHON PORT, PLUGGED/PINCHED RETURN TUBE). TO REMEDY, CLEAN THE PASSAGES AND REPLACE IF NECESSARY. IF THE PASSAGES ARE CLEAN AND THE VACUUM READING IS ZERO OR VERY LOW, A LEAK MAY BE PRESENT IN THE FLOW PATH TO THE SIPHON JET OR IN THE DISCHARGE TUBE. PULL THE EXTRACTABLE PORTION AND REPAIR AS NECESSARY

3 (1) NEF 2HP STP SUMP DETAIL

SCALE: 3/4" = 1'-0"



- 3. RUN THE SUBMERSIBLE WITH DISPENSER NOZZLES CLOSED AND VALVE "A" CLOSED, VALVE "B" OPEN. WHEN THE VACUUM READING REACHES 15-28", SHUT THE PUMP OFF AND WAIT TWO MINUTES. IF THE READING DROPS TO ZERO, THE SIPHON CHECK VALVE IS NOT HOLDING. REMOVE AND CLEAN OR REPLACE. NOTE: SIPHON CHECK VALVES MAY HOLD AT HIGH VACUUMS, BUT LEAK UNDER LOW VACUUMS. TEST THE SIPHON CHECK VALVE AT A LOWER VACUUM BY BLEEDING THE VACUUM TO ABOUT 5" Hg AND REPEAT THE
- 4. RUN THE SUBMERSIBLE WITH BOTH VALVES "A" AND "B" OPEN AND THE DISPENSER NOZZLES CLOSED FOR APPROXIMATELY 5-10 MINUTES. CLOSE VALVE "B" AND THEN SHUT OFF PUMP. IF VACUUM DROPS, THERE IS A LEAK IN THE EQUALIZATION LINE BETWEEN THE TANKS ABOVE THE LEVEL OF THE PRODUCT. REPAIR LEAKS AND REPEAT STEP 4
- BOTH VALVES SHOULD BE IN THE "OPEN" POSITION DURING NORMAL OPERATIONS OF THE SYSTEM WRITTEN VERIFICATION OF THE TESTING FOR EQUALIZATION SHALL BE SIGNED BY THE GENERAL CONTRACTOR AND TANK INSTALLER. VERIFICATION SHALL BE PROVIDED TO THE OWNER AS PART OF THE CLOSE OUT DOCUMENTS



(2) RF 4HP STP W/ SIPHON SUMP DETAIL 2) SCALE: 3/4" = 1'-0"

A DEVELOPMENT OF Buc-ee's Benton, LLC. Saline County, AR

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ISSUE/REVISION LOG: No. DESCRIPTION

> OWNER CHANGES 04/23/2025



ISSUED FOR REVIEW:	04/23/2024
ISSUED FOR BID:	05/14/2024
ISSUED FOR PERMIT:	05/14/2024
DOCUMENTS PREPARED BY CORE STATES GROUP ARE TO BE USED ONLY FOR THE SPECIFIC PROJECT AND SPECIFIC USE FOR WHICH THEY ARE INTENDED. ANY EXTENSION OF USE TO OTHER PROJECTS, BY OWNER OR ANY OTHER PARTY, WITHOUT THE EXPRESSED, WRITTEN CONSENT OF CORE STATES GROUP IS DONE AT THE USER'S OWN RISK, IF USED IN A WAY OTHER THAN THAT SPECIFICALLY INTENDED, USER WILL HOLD CORE STATES GROUP HARMLESS FROM ALL CLAIMS AND LOSSES.	

FS3.00

UST SUMP DETAILS

1 (2) RF 4HP STPs W/ SIPHON SUMP DETAIL scale: 3/4" = 1'-0"

LAA.38552 CSG PROJECT NUMBER: BENTON, ARKANSAS