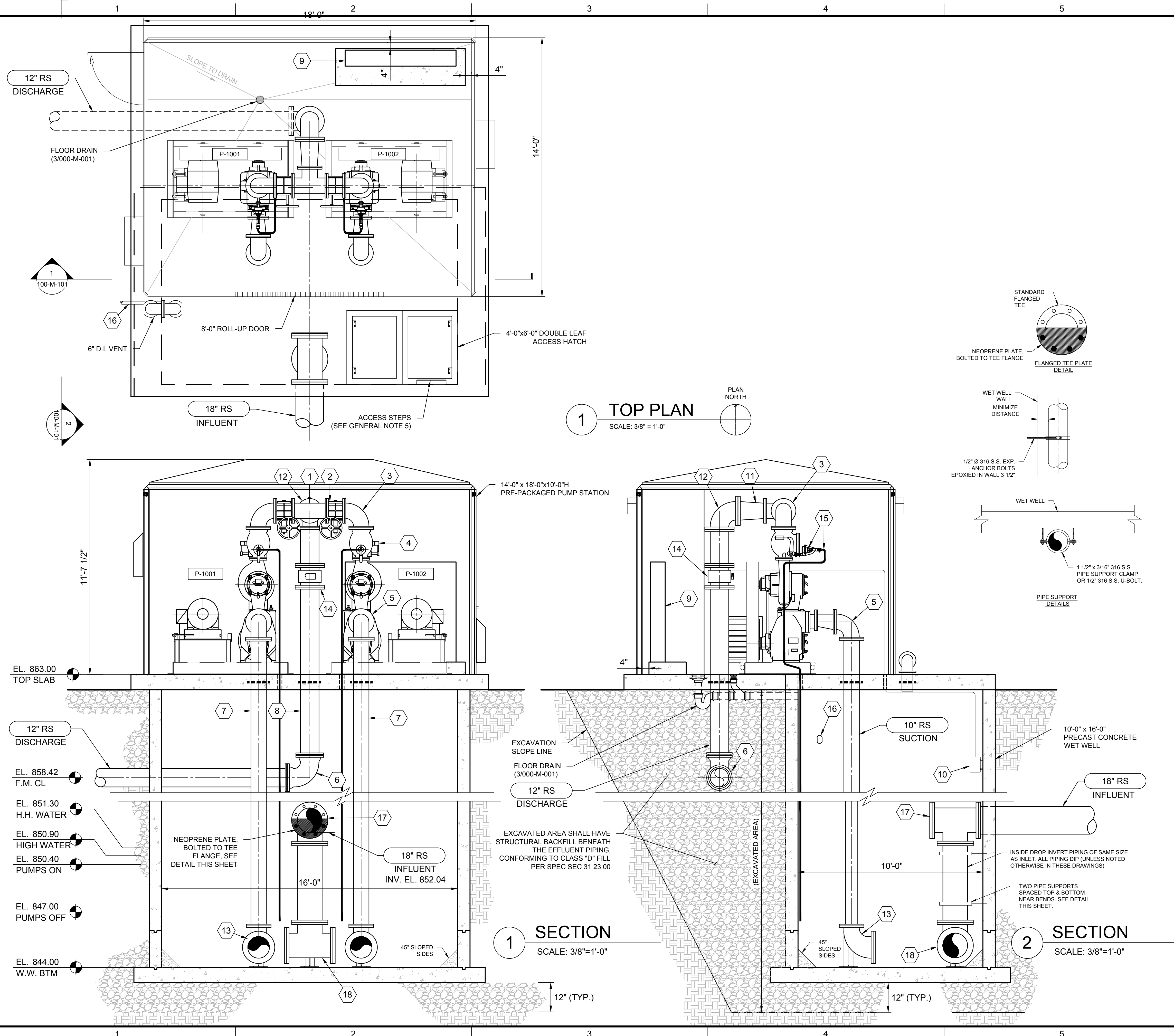


Path: I:\BCSCFP\PROJECTS\CLIENTS\REWA149096 - SALUDA PS 2 DETAILED DESIGN\CAD\2-SHEETS\M-MECHANICAL-HVAC FILENAME: BC-ANSID-TBLOCK.DWG PLOT DATE: 2/22/2018 1:30 PM CAD USER: ANDY JUMPER

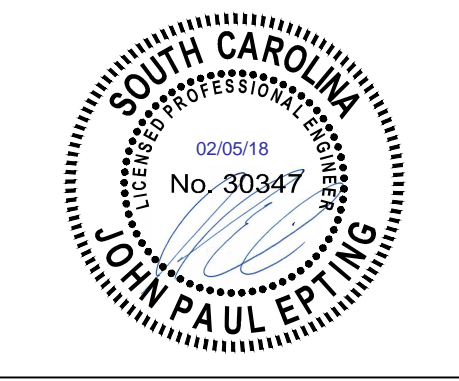
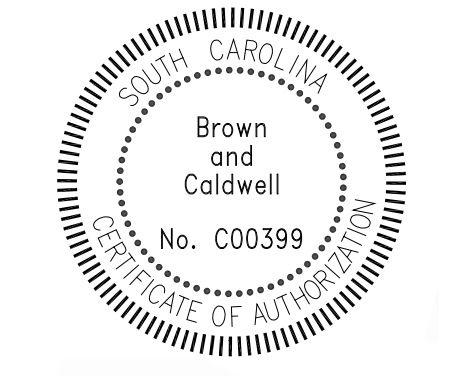


- GENERAL NOTES**
- ALL EQUIPMENT, ANCHOR BOLT SIZES, LOCATIONS, CLEARANCES, ETC. SHALL BE IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 - ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE SHALL HAVE A BITUMASTIC COATING OR APPROVED EQUAL.
 - PRECAST CONCRETE VAULT SHALL BE DESIGNED PER ASTM 890.
 - ALL PIPING FROM STA. 0+00 TO THE END OF THE FORCE MAIN SHALL BE DESIGNED FOR SANITARY SEWER (SS) SERVICE, PER SPECIFICATION 40 05 01. ALL PIPING FITTINGS AND VALVES FROM WET WELL TO STA. 0+00 SHALL BE DESIGNED FOR RAW SEWAGE (RS) SERVICE, PER SPECIFICATION 40 05 01 AND SHALL BE RESTRAINED JOINT.
 - INSTALL ACCESS STEPS INSIDE VAULT AT LOCATION SHOWN ON PLAN. STEPS SHALL BE SPACED VERTICALLY AT 16" O.C.
 - ALL PRECAST CONCRETE MANHOLE AND VAULT PIPE PENETRATIONS SHALL BE PER DETAIL 1/000-M-001.
 - CONTRACTOR SHALL PROVIDE ADJUSTABLE PIPE SADDLE AND SUPPORT FOR COMMON HEADER INSIDE VALVE VAULT. SUPPORTS SHALL BE STANDON MODEL S92 SADDLE SUPPORT, OR APPROVED EQUAL. SADDLE AND SUPPORT SHALL BE INSTALLED COMPLETE WITH SADDLE, BASE AND COLLAR ASSEMBLIES, AND SS EXTENSION PIPE, IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - SEE SPECIFICATION SECTION 43 23 92 FOR CONTROL STRATEGY AND ELEVATIONS.
 - REFER TO ELECTRICAL DRAWINGS FOR CONSTRUCTION DETAILS FOR ELECTRICAL AND CONTROL EQUIPMENT AND STANDBY EMERGENCY GENERATOR SYSTEM.

- KEYNOTES:**
- 10"x10"x10" TEE, FLG.
 - 10" CONTROL VALVE, FLG. (TYP. OF 2)
 - 10" 90° BEND, FLG. (TYP. OF 2)
 - 10"x6" CHECK VALVE, FLG. (TYP. OF 2)
 - 10" 90° BEND, FLG. (TYP. OF 2)
 - 12" 90° BEND, M.J.
 - 10" DIP (SUCTION) (TYP. OF 2)
 - 12" DIP R.J. (DISCHARGE)
 - ELECTRICAL CONTROL PANELS
 - ULTRASONIC LEVEL TRANSMITTER
 - 10"x12" REDUCER, FLG.
 - 12" 90° BEND, FLG.
 - 14"x10" 90° FLARED BASE ELBOW, FLG. (MOUNTED TO FLOOR) (TYP. OF 2)
 - MAGNETIC FLOW METER
 - DISCHARGE AIR RELEASE VALVE PIPING TO INCLUDE ISOLATION BALL VALVE ON EACH SIDE OF THE AIR RELEASE VALVE WITH POLYPROPYLENE TUBING. (PER 40 05 31) FIELD ROUTE TUBING WHILE MAINTAINING SLOPE DOWNWARD EXTENDING INTO THE WETWELL TO THE BELOW PUMPS OFF ELEVATION. INSTALL FITTINGS FORE AND AFT OF PENETRATIONS THROUGH SLAB.
 - 2" DRAIN w/ DUCKBILL CHECK
 - 18"x18"x18" TEE, FLG.
 - 18"x18"x18" BASE TEE, FLG. (MOUNTED TO FLOOR)



COLUMBIA, SC



SALUDA PUMP STATION #2 REPLACEMENT

REVISIONS		
REV	DATE	DESCRIPTION
0	02/18	BID DOCUMENTS

DESIGNED: J EPTING
 DRAWN: A JUMPER
 CHECKED: J MAZZEI
 CHECKED: B WEST
 APPROVED: J EPTING

FILENAME: 100-M-001.DWG
 BC PROJECT NUMBER: 149096
 CLIENT PROJECT NUMBER: TL11

MECHANICAL PUMP STATION PLAN AND SECTIONS

DRAWING NUMBER
100-M-001
 SHEET NUMBER
 18 OF 20