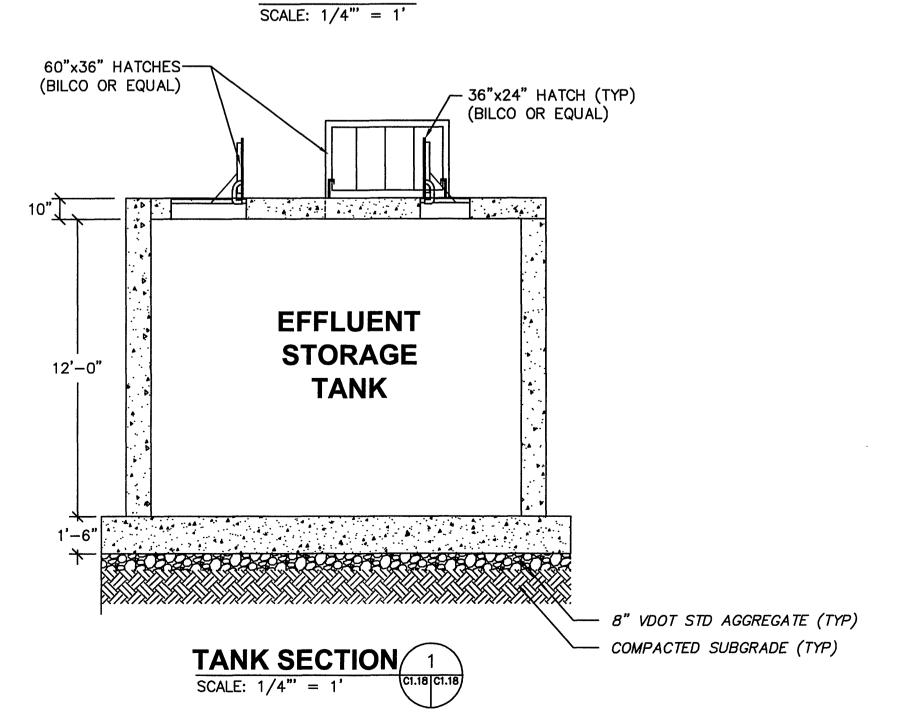
VALVE VAULT —6" FORCEMAIN MAIN TO TO DRAINFIELDS 6" METER-6" TEE --CONCRETE BOX 6" ELBOW-6" GATE VALVE (TYP) 6" CHECK VALVE (TYP) ALUMINUM HATCH COVER -ALUMINUM ACCESS LADDER -15'-0" 13'-0" - SUBMERSIBLE EFFLUENT PUMPS INSTALL PIPES & PITLESS+ ADAPTERS FOR FUTURE PUMPS 60"x36" HATCH (BILCO OR EQUAL) - PRESSURE SENSER PUMP CONTROLER 36"x24" HATCH-/ (BILCO OR EQUAL) 19'-0" **EFFLUENT STORAGE TANK** 18,376 GALLON CAPACITY NOTE: SEE WWTP & TANK CONFIGURATION ! DRAWING FOR INFLUENT LINE LOCATIONS L CONTINUOUS FOOTING BETWEEN BIOWHEEL UNIT AND STORAGE TANK

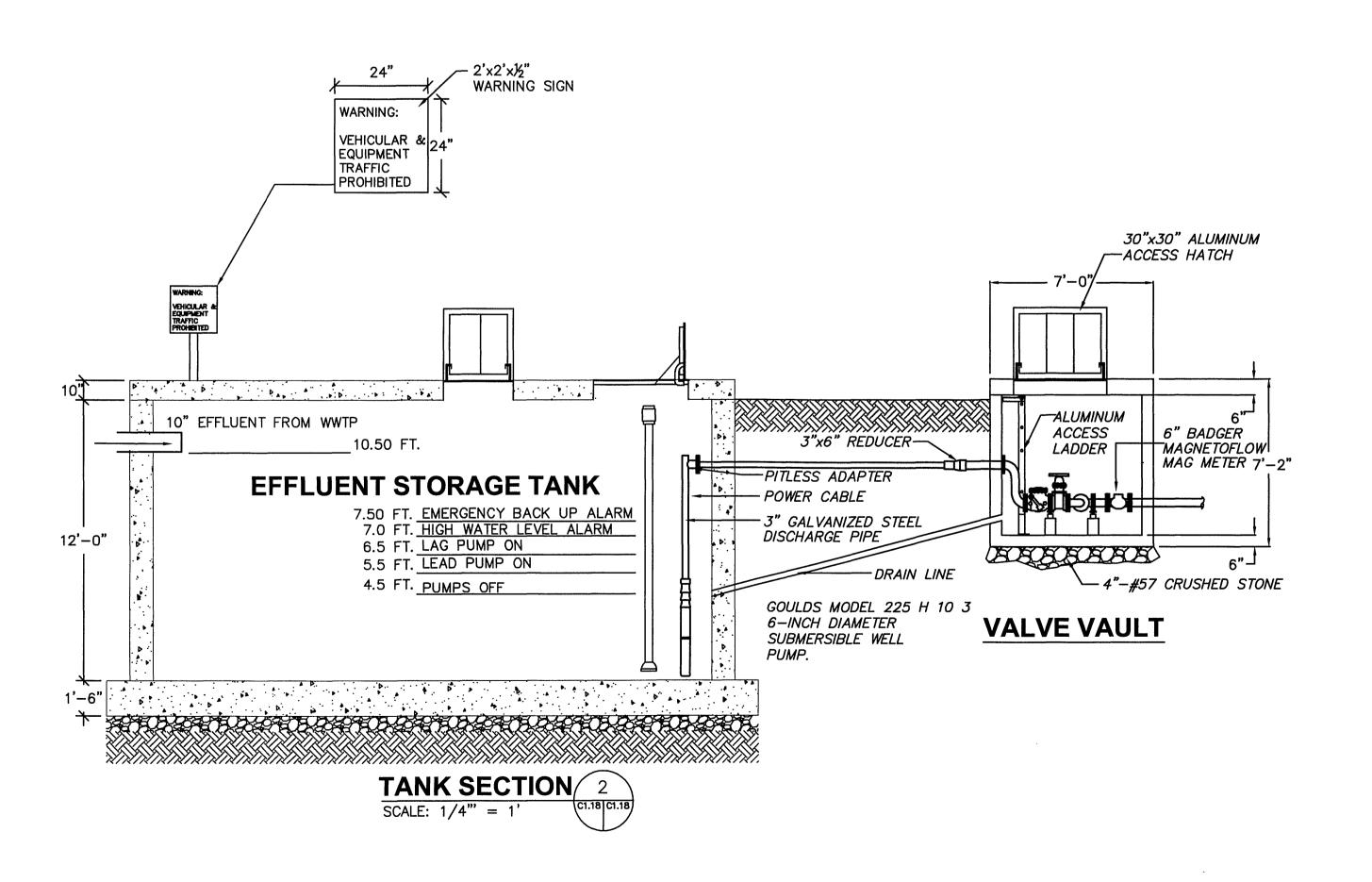
TANK PLAN

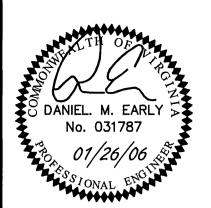


EFFLUENT STORAGE TANK & VALVE VAULT SPECIFICATIONS

1. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH FC = 4,000 PSI (28 DAY STRENGTH) EXCEPT AS NOTED. 2. REINFORCING SHALL CONFORM TO ASTM 615-80, GRADE 60. MINIMUM CLEAR COVER SHALL BE 2" UNLESS OTHERWISE NOTED. STONE BEDDING SHALL BE VDOT STD #57 CRUSHED AGGREGATE. 5. THROUGH WALL CONNECTIONS SHALL BE MADE WITH PRESS-SEAL OR KOR-N-SEAL GASKETS WITH STAINLESS STEEL STRAPS. 6. ALL CONCRETE TANKAGE JOINTS SHALL BE WATER TIGHT. ALL CONCRETE ANCHOR BOLTS SHALL BE STAINLESS STEEL TYPE 304L WITH STAINLESS STEEL HARDWARE. 8. ALL CONCRETE TAPS SHALL BE MADE INTO A BOSS (AS APPLICABLE) 9. PRECAST CONCRETE DESIGN SHALL BE THE RESPONSIBILITY OF THE PRE-CASTING MANUFACTURER. 10. SEE THE WWTP SITE PLAN FOR FURTHER INFORMATION REGARDING FINAL INSTALLATION OF THE TREATMENT PLANT AND APPURTENANCES. 11. SEE WIRING/ELECTRICAL SCHEMATICS SHEET, WITH GENERATOR CONNECTION, AUXILIARY CONNECTION, AND AUTO DIALER SCHEMATICS. 12. THE WWTP AUTO DIALER SHALL CONTACT A MANNED STATION TO REPORT ANY MALFUNCTIONS. THE OWNER/OPERATOR SHALL IDENTIFY THE MANNED STATION PRIOR TO WWTP STARTUP. 13. ALL PUMP STATION AND VALVE VAULT PIPING SHALL BE GALVANIZED

14. PUMP ACTIVATION CONTROLS SHALL BE ADJUSTED SO THAT EFFLUENT TANK PUMP-DOWN VOLUMES DO NOT EXCEED 60% OF AVAILABLE DRAINFIELD PIPE CAPACITY. THE CONTRACTOR SHALL VERIFY AVAILABLE DRAINFIELD PIPE CAPACITY AND ADJUST FLOAT ELEVATIONS ACCORDINGLY. THE CONSULTING ENGINEER AND THE BEDFORD HEALTH DEPARTMENT SHALL BE NOTIFIED OF ANY ADJUSTMENTS PRIOR TO MAKING ACTUAL ADJUSTMENTS.





ACS DESIGN

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LAKEWATCH PLANTATION OMMUNITY SEWER SYSTEM PHASE 1

DRAWN BY: AH

DESIGNED BY: DME

CHECKED BY: DME

DATE: JAN. 26, 2006

SCALE: AS NOTED

REVISIONS

REVISIONS

NOISE DATE

REVISIONS

SCALE: NO.

EFFLUENT STORAGE TANK

JOB No. 05076