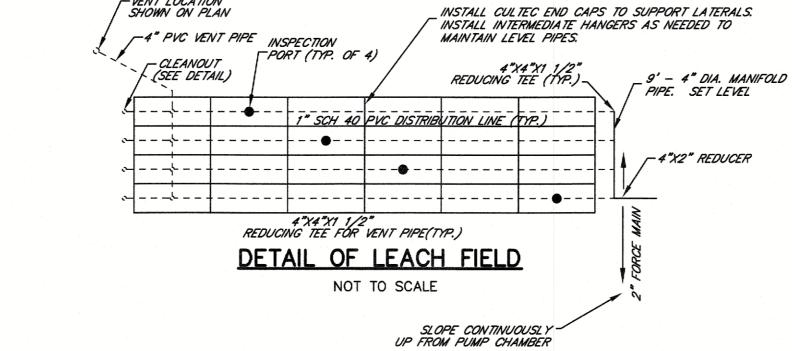
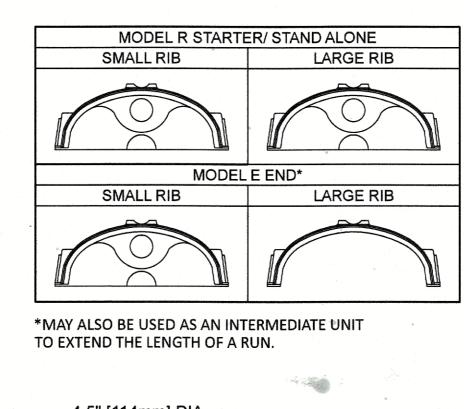
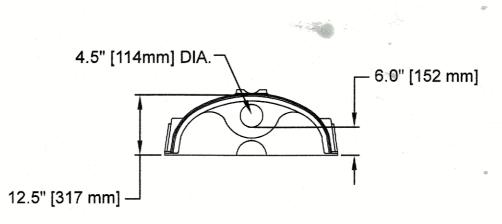


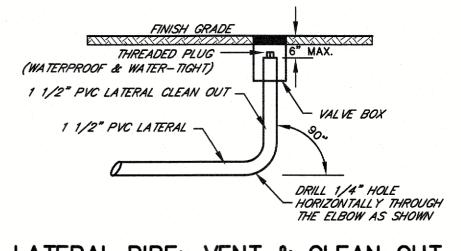
NOT TO SCALE



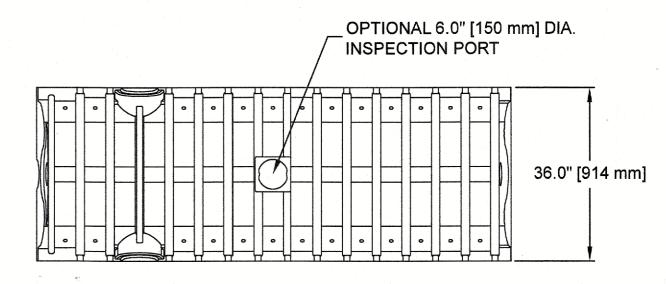


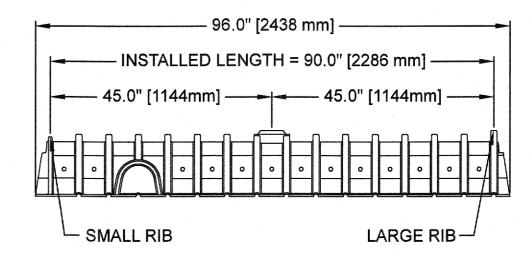






LATERAL PIPE: VENT & CLEAN OUT NOT TO SCALE





INSTALLED LENGTH ADJUSTMENT = 0.5' [0.15 m] ALL CONTACTOR 100HD HEAVY DUTY UNITS ARE MARKED WITH A COLORED STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.

BASIS FOR DESIGN:

TOTAL DAILY FLOW IS BASED ON 6 BEDROOMS, NO GARBAGE DISPOSAL TOTAL DAILY FLOW = 110 GPD/BEDROOM X 6 BEDROOMS = 660 GPD SQUARE FOOT AREA PER LINEAR FOOT OF CULTEC C100 CHAMBERS IN AGGREGATE FREE BED = 5.0 S.F/L.F. (DEP APPROVAL TRANSMITTAL X260808, DATED MARCH 31, 2016 TOTAL LINEAR FEET PROVIDED = 4 ROWS AT 48 L.F. PER ROW = 192 LF. EQUIVALENT AREA PROVIDED = 5 X 192 = 960 S.F. SAS CAPACITY = 960 S.F. X .74 GPD/S.F = 710 GPD > 660 GPD

10'-10" 24" MIN. ACCESS COVER OVER PUMPS (H-10 LOADING) WATERPROOF AND WATERTIGHT. -D AD D D - 21" DIAMETER ACCESS HOLE INLET -OUTLET **D** D D STEEL REINFORCED PRECAST CONCRETE

10'-4"

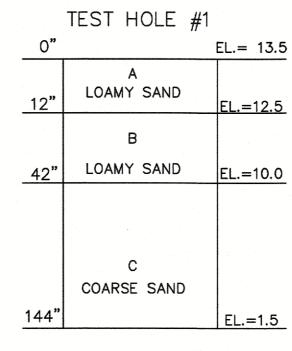
CROSS SECTION

SOIL TEST Date of soil test:

5'-8"

END SECTION

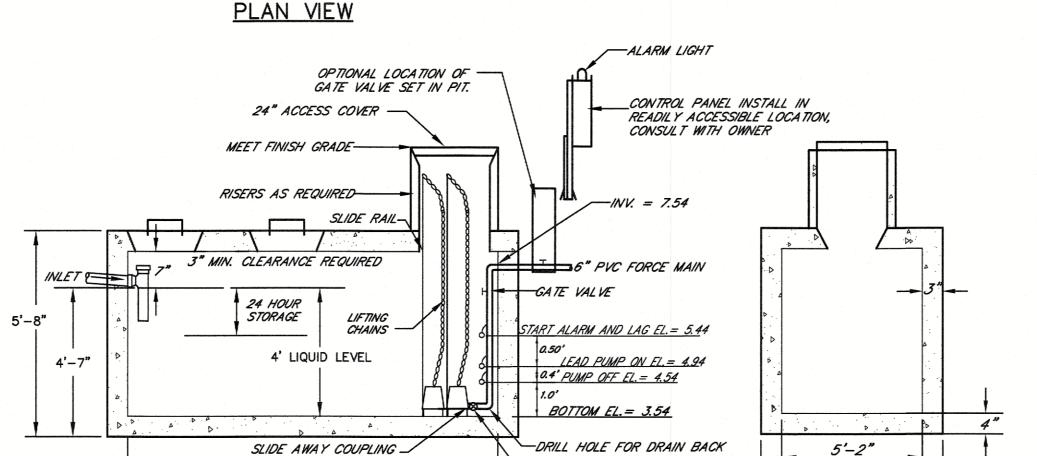
February 18, 2022 Test taken by: Michael Borselli, P.E. Percolation rate: < 2 MPI in C layer Ground water: NONE



MICHAEL J BORSELLI CIVIL

CONSTRUCTION NOTES:

- 1. INSTALLATION OF THE PROPOSED SEPTIC SYSTEM SHALL BE IN ACCORDANCE WITH TITLE 5 AND THE BOARD OF HEALTH REGULATIONS.
- 2. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF THE WATER SERVICE AND SLEEVE IN ALL AREAS LESS THAN 10' FROM THE PROPOSED SEPTIC SYSTEM.
- 3. A COPY OF THE PLANS SHALL BE AVAILABLE ON SITE FOR REFERENCE AT ALL TIMES DURING THE INSTALLATION OF THE SEPTIC SYSTEM.
- 4. NO CHANGES TO THE DESIGN SHALL BE PERFORMED WITHOUT THE APPROVAL OF BOTH FALMOUTH ENGINEERING, INC. AND THE BOARD OF HEALTH.
- 5. THE SEPTIC SYSTEM IS SUBJECT TO INSPECTION BY FALMOUTH ENGINEERING, INC. AND THE BOARD OF HEALTH.
- 6. THE CONTRACTOR SHALL NOTIFY FALMOUTH ENGINEERING, INC. AND THE BOARD OF HEALTH TO INSPECT THE SEPTIC SYSTEM PRIOR TO BACKFILL. IN SOME INSTANCES, MORE THAN ONE INSPECTION MAY BE NEEDED. THE CONTRACTOR SHALL ONLY BACKFILL THE PORTIONS OF THE SYSTEM THAT HAVE BEEN INSPECTED AND APPROVED BY FALMOUTH ENGINEERING, INC. AND THE BOARD OF HEALTH.
- 7. IF THE CONTRACTOR ENCOUNTERS ANY VARIATIONS IN SITE CONDITIONS, SUCH AS DIFFERING SOILS, TOPOGRAPHY, WETLANDS OR OTHER CONDITIONS THAT MAY REQUIRE RE-EVALUATION OF THE DESIGN, THE CONTRACTOR SHALL IMMEDIATELY CONTACT FALMOUTH ENGINEERING, INC.



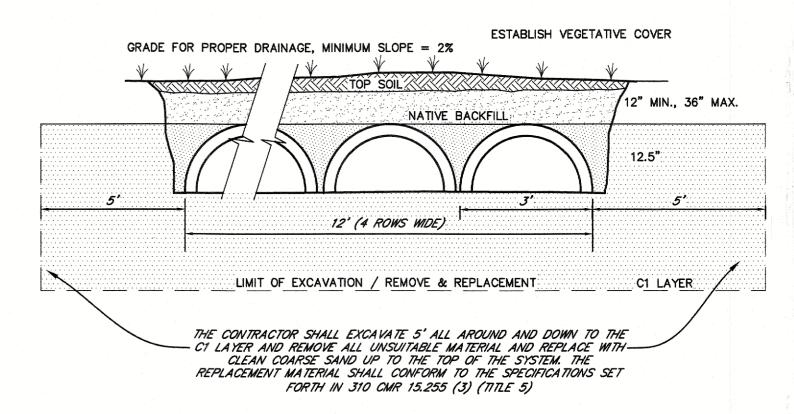
TYPICAL 1,500 GALLON MONOLITHIC PUMP CHAMBER (H-10)

-CHECK VALVE

NOTE: PUMP CHAMBER SHALL BE CERTIFIED WATERPROOF AND WATERTIGHT BY MANUFACTURER

PUMP AND PUMP CHAMBER NOTES

- 1. PUMPS SHALL BE DUPLEX SYSTEM INSTALLED ON A SLIDERAIL SYSTEM.
- 2. THE PUMP SYSTEM SHALL BE EQUIPPED WITH A CONTROL PANEL INSTALLED IN A READILY ACCESSABLE AREA.
- 3. THERE SHALL BE AN AUDIO/VISUAL ALARM MOUNTED IN AN AREA EASILY VISIBLE FROM THE OUTSIDE OF THE BUILDING.
- 4. ALL SLIDERAILS AND MOUNTING HARDWARE SHALL BE STAINLESS STEEL.
- 5. INSTALL PUMP SWITCHES AT THE ELEVATIONS INDICATED.
- 6. THE COVER SHALL BE WATERPROOF AND WATERTIGHT.
- 7. PUMPS SHALL BE CAPABLE OF PUMPING AT 72 GPM AGAINST 15' OF TDH.
- 8. THE CONTRACTOR SHALL PROVIDE PUMP SPECIFICATIONS TO FALMOUTH ENGINEERING, INC.



FIELD SECTION NOT TO SCALE

SEPTIC SYSTEM DETAILS FOR #104 ROCKY POINT ROAD PREPARED FOR

BOURNE PLAN DATE: JULY 26, 2022 CIVIL ENGINEERING

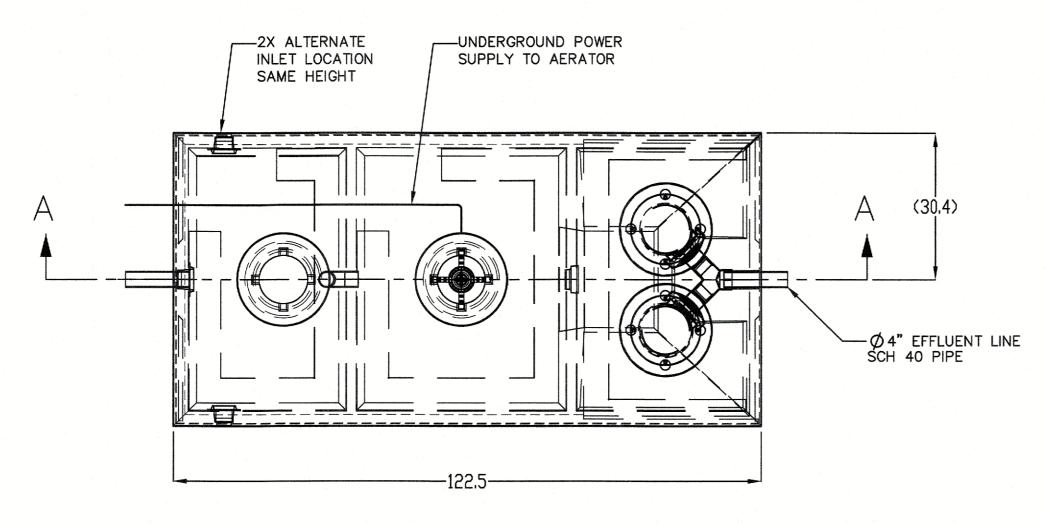
WASTEWATER DESIGN TITLE 5 PLOT PLANS LAND USE PLANNING

WETLANDS PERMITTING COASTAL ENGINEERING PIERS AND DOCKS COMMERCIAL/RESIDENTIAL

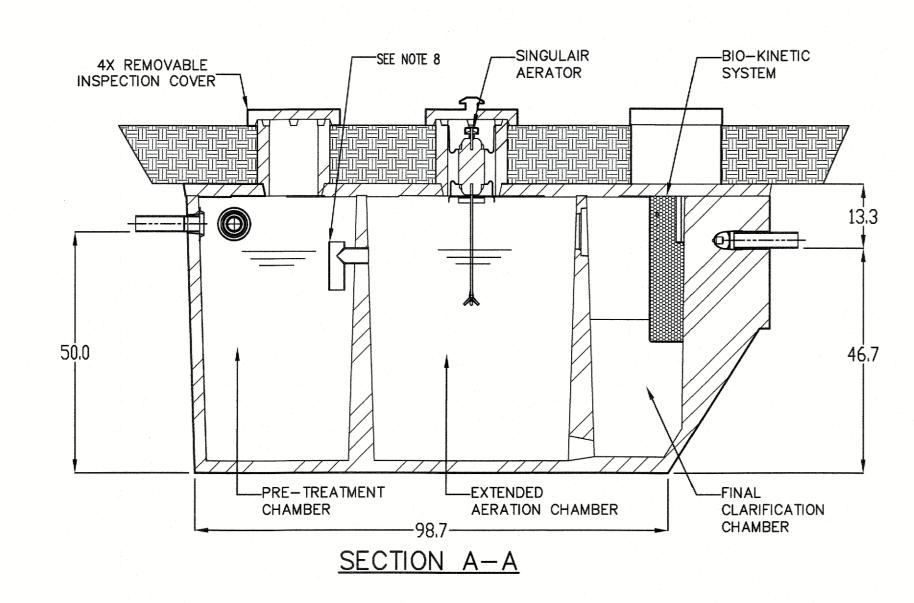
PLAN SCALE: AS SHOWN

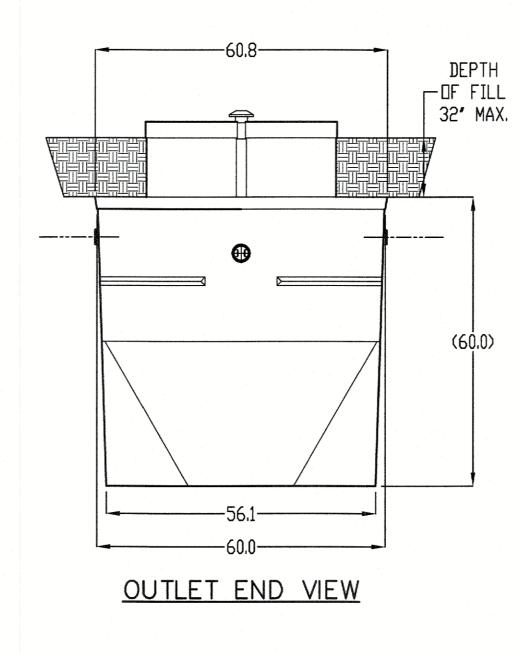
Serving Cape Cod and Southeastern Massachusetts 17 ACADEMY LANE, SUITE 200 - FALMOUTH, MA - 02540 - 508.495.1225

PROJECT NUMBER: 21001 CAD FILE NAME: 21001DT DRAWN BY: L.M. SHEET 2 OF 3







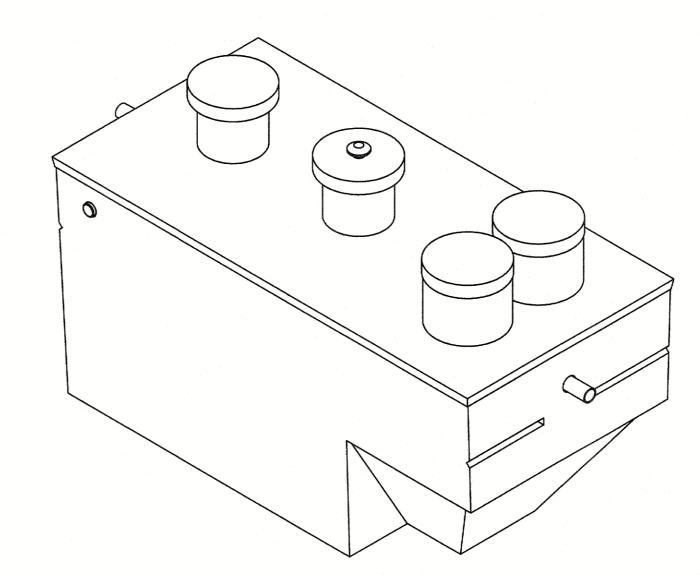


SINGULAIR® WASTEWATER TREATMENT SYSTEM DETAILS

WEIGHT: SINGULAIR = 15,900 LBS COVER = 2,600 LBS TANK = 13,300 LBS

NOT TO SCALE
SES WASTEWATER

SINGULAIR 750 GPD TREATMENT SYSTEM — STANDARD



GENERAL NOTES:

- THE AUTHORIZED SINGULAIR REPRESENTATIVE IN RI, MA, NH, AND ME IS SES WASTEWATER (WWW.SESWASTEWATER.COM, (888-999-1389). UNITS MUST BE SERVICED BY FACTORY TRAINED SERVICE PERSONEL.
- SINGULAIR 750 CONCRETE SYSTEM IS RATED FOR H10 LOADING. PLEASE CONTACT SES FOR H20 LOAD APPLICATIONS.
- A REVIEW OF PLANS FOR COMPLIANCE WITH SYSTEM REQUIREMENTS IS AVAILABLE BY SES. DESIGNERS ARE ENCOURAGED TO TAKE ADVANTAGE OF THIS SERVICE.
- 4. ALL RISERS AND COVERS MUST BE TO GRADE AND ACCESSIBLE FOR SERVICE.
- 5. CONCRETE TANKS MEET ASTM STANDARD SPECIFICATIONS FOR PRECAST CONCRETE SEPTIC
- TANKS, C-1227-09.
 6. FOR DEEPER THAN NORMAL INSTALLATIONS CONTACT SES FOR SUGGESTED DETAILS.
- 7. FOR CONDITIONS WITH A HIGH WATER TABLE, BOUYANCY CALCULATIONS ARE AVAILABLE FROM SES UPON REQUEST.
- 8. SANITARY "T" TO BE INSTALLED IN THE FIELD BEFORE SEALING RISERS TO TANK COVER.

SINGULAIR® WASTEWATER TREATMENT SYSTEM DETAILS
FOR #104 ROCKY POINT ROAD
PREPARED FOR
PATRICK CURRAN

BOURNE

PLAN DATE: JULY 26, 2022

CIVIL ENGINEERING

WASTEWATER DESIGN
TITLE 5 PLOT PLANS
LAND USE PLANNING

WETLANDS PERMITTING
COASTAL ENGINEERING
PIERS AND DOCKS

MA

PLAN SCALE: AS SHOWN

COMMERCIAL/RESIDENTIAL

Serving Cape Cod and Southeastern Massachusetts

17 ACADEMY LANE, SUITE 200 — FALMOUTH, MA — 02540 — 508.495.1225

PROJECT NUMBER: 21001 CAD FILE NAME: 21001DT DRAWN BY: L.M. SHEET 3 OF 3

MICHAEL J.
BORSELLI
CIVIL
NO. 35054

REGISTERE