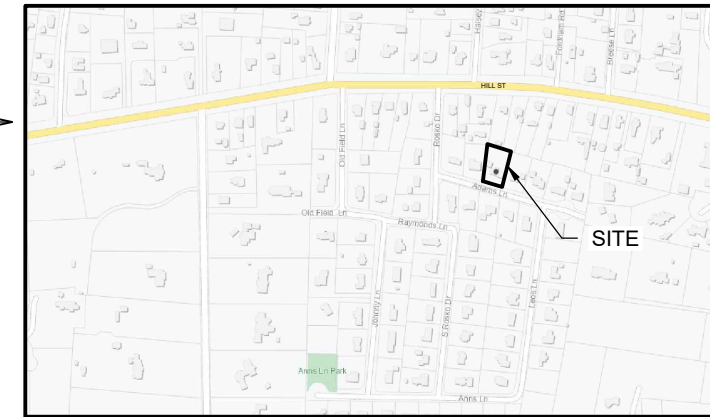
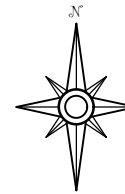
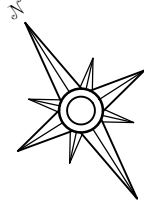


SCTM# 904-14-1-62.2  
IMPROVED W/ PUBLIC WATER

SCTM# 904-14-1-66  
IMPROVED W/ PUBLIC WATER

SCTM# 904-14-1-67  
IMPROVED W/ PUBLIC WATER



VICINITY MAP  
SCALE: 1" = 1,000'

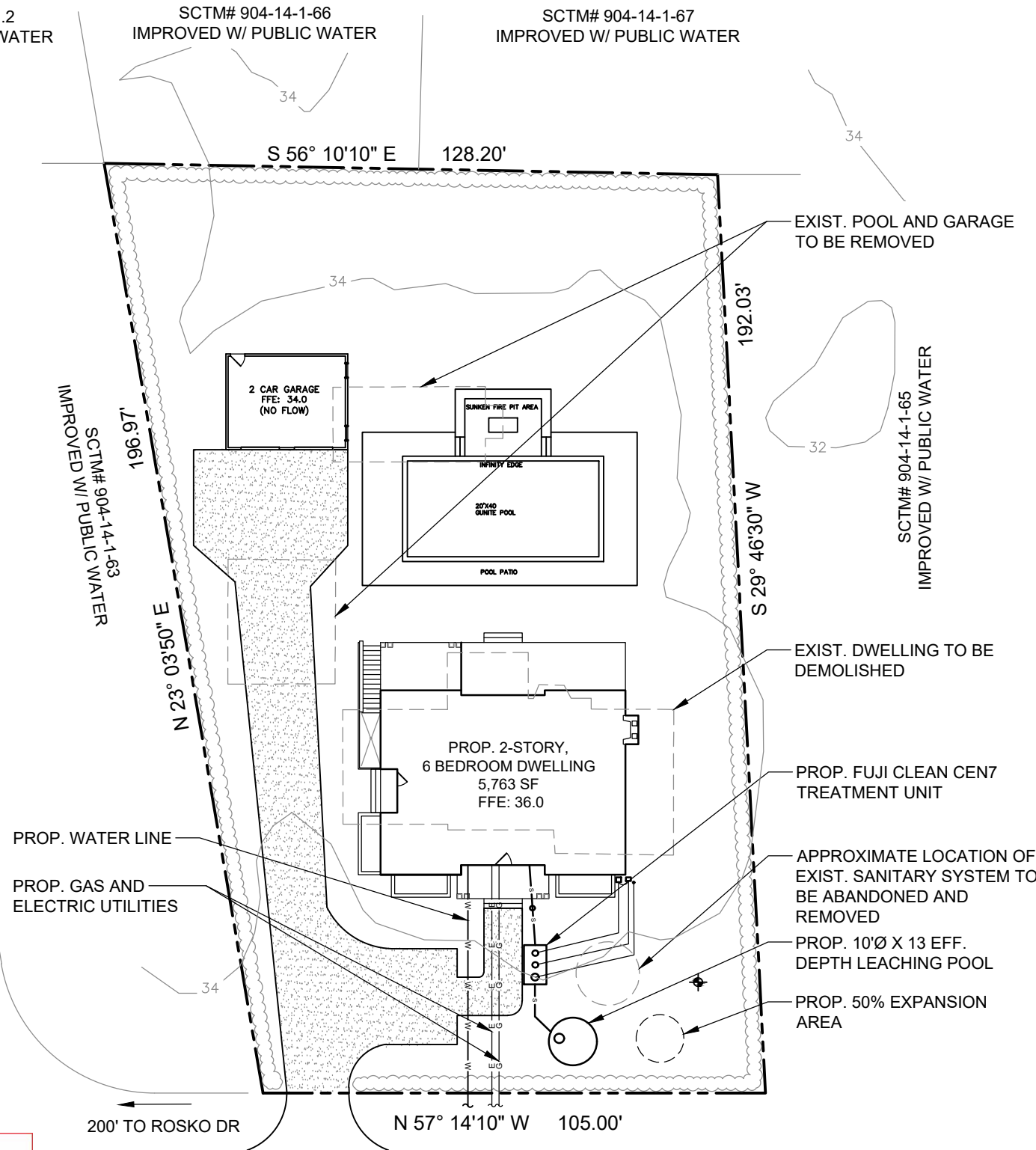
0 1000 2000  
SCALE: 1" = 1000'

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CONSULTANTS

ROSKO DRIVE



EXCAVATION INSPECTION REQUIRED  
FOR SANITARY SYSTEM  
BY HEALTH DEPARTMENT

BASE MAP:  
SITE PLAN OBTAINED FROM RYAN T. KESNER  
ARCHITECT P.C.  
DATED 7/6/23

OVERALL SITE PLAN  
SCALE: 1" = 30'

0 30 60  
SCALE: 1" = 30'

Design Professional's Certification Required.  
Submit P.E. or R.A. Certification For  
The Installation and Construction of the Sewage Disposal System  
Use Form WWM-073.

Abandonment of the existing sanitary system must be in  
conformance with the Department's requirements.  
Submit completed form WWM-080 as proof

SEE ATTACHED SPECIAL CONDITION,  
GRADING PLAN AND/OR PLOT PLAN.

### SITE INFORMATION

SITE: 27 ADAMS LANE  
SOUTHAMPTON, NY 11968  
SCTM #: 904-14-1-64  
GROSS LOT AREA: 22,471 SF (0.51 ACRES)

### SANITARY SYSTEM CALCULATIONS

#### SINGLE FAMILY DWELLING

SIX (6) BEDROOM - SINGLE FAMILY DWELLING = 660 GPD

#### 1/A OWTS DESIGN

REQUIRED: SIX (6) BEDROOMS = 660 GALLON SYSTEM  
PROPOSED: ONE (1) FUJI CLEAN UNIT, MODEL CEN7 (700 GPD)

#### SANITARY LEACHING FIELD DESIGN

REQUIRED: 400 SF OF SIDEWALL AREA  
PROPOSED: NEW LEACHING POOLS  
10' DIA. LEACHING POOL HAS 31.4 SF PER LF  
400 SF / 31.4 SF/LF = 12.7 LF REQUIRED  
PROVIDE: ONE (1) 10' DIA. BY 13' EFF. DEPTH LEACHING POOL



Unauthorized alteration or addition  
to the drawing and related documents  
is a violation of Section 7205  
of the New York State Education Law

Number	Revision Description	Revision Date
5		
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27 ADAMS LANE  
SOUTHAMPTON, NY 11968  
TOWN OF SOUTHAMPTON

SANITARY  
DESIGN

904-14-1-64  
County Tax Map Number

OVERALL  
SITE PLAN

C-100  
Drawing Number

1 4  
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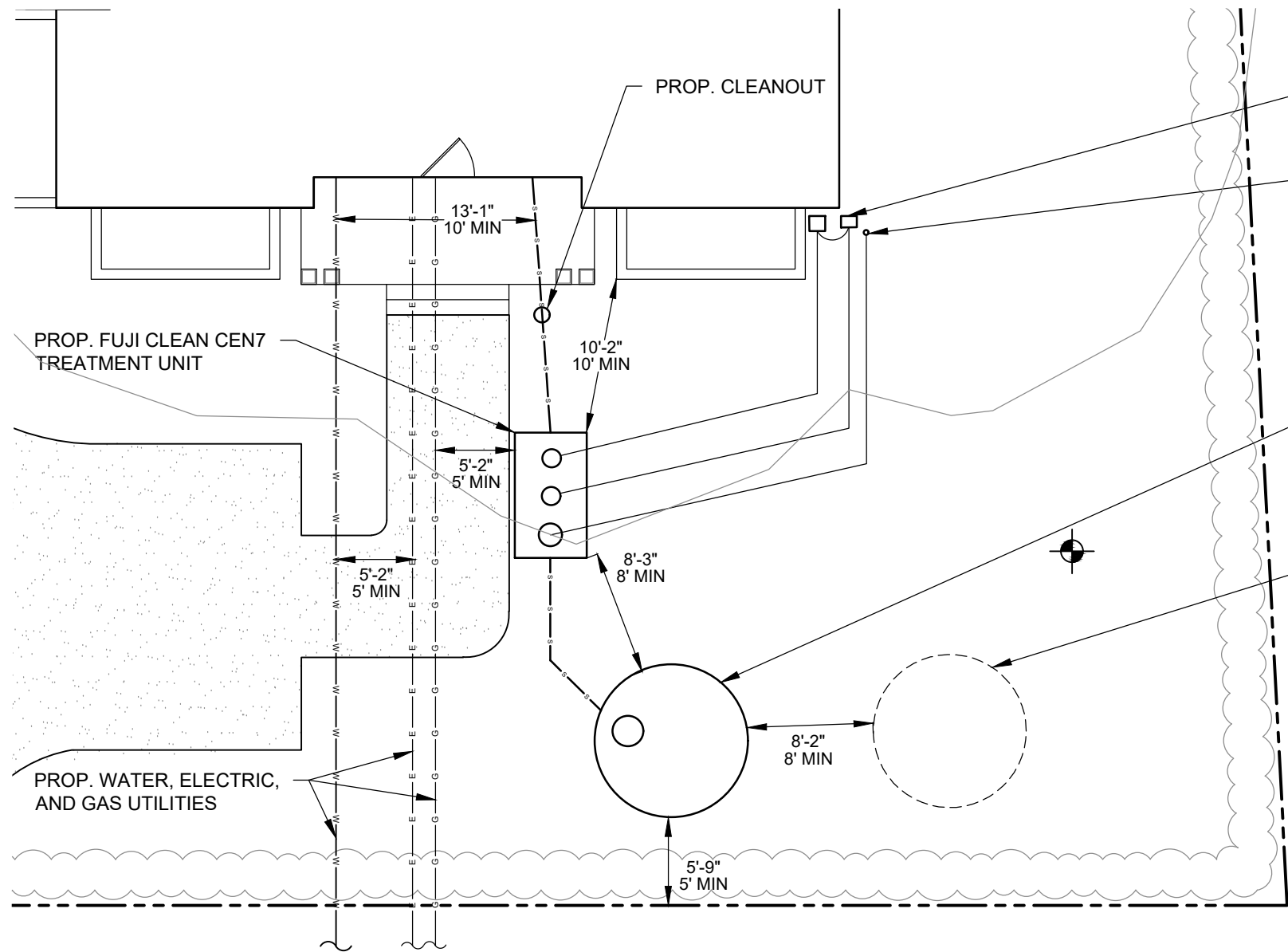
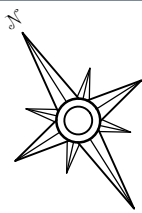
RKA2306  
Project Number

### SCDHS APPROVAL BOX

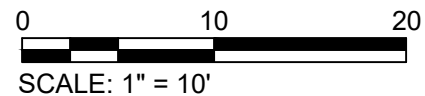
SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES  
PERMIT FOR APPROVAL OF CONSTRUCTION FOR A  
SINGLE FAMILY RESIDENCE ONLY

DATE 08/31/2023 H.S. REF. NO. R-23-1124

APPROVED *Madia Jutea*  
FOR MAXIMUM OF 6 BEDROOMS  
EXPIRES THREE YEARS FROM DATE OF APPROVAL

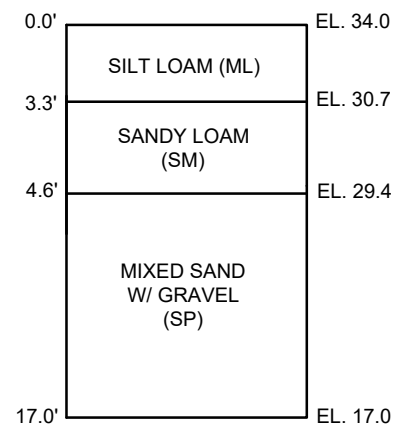


**PARTIAL SITE PLAN**  
SCALE 1" = 10'



**GENERAL NOTES**

1. ALL PROPOSED PIPING TO BE 4"Ø SDR-35, EXCEPT WHERE INDICATED.
2. SANITARY SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ALL SCDHS REQUIREMENTS.
3. ALL ELEVATIONS ARE IN NAVD88.
4. THERE ARE NO PROPOSED STORM DRAINS WITHIN 10 FT OF THE PROPOSED SANITARY SYSTEM.
5. THERE ARE NO WELLS WITHIN 150 FT OF THE SANITARY SYSTEM.
6. ALL SANITARY STRUCTURES AND PIPING SHALL MAINTAIN A MINIMUM 10 FT SEPARATION TO THE PROPOSED WATER LINE.
7. THERE ARE NO SURFACE WATERS / WETLANDS WITHIN 300 FT OF THE PROPERTY.



GROUNDWATER NOT ENCOUNTERED.

**TEST HOLE DATA**  
7/25/2023  
SHAWN M. BARRON M.S.

**NOTE:**

1. HIGHEST EXPECTED GW EL. 5.0 (PER USGS DEPTH TO GROUNDWATER VIEWER)

**SEE ATTACHMENT(S)**

**SCDHS APPROVAL BOX**



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**CONSULTANTS**



Number	Revision Description	Revision Date
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7/24/23

27 ADAMS LANE  
SOUTHAMPTON, NY 11968  
TOWN OF SOUTHAMPTON

**SANITARY DESIGN**

904-14-1-64  
County Tax Map Number

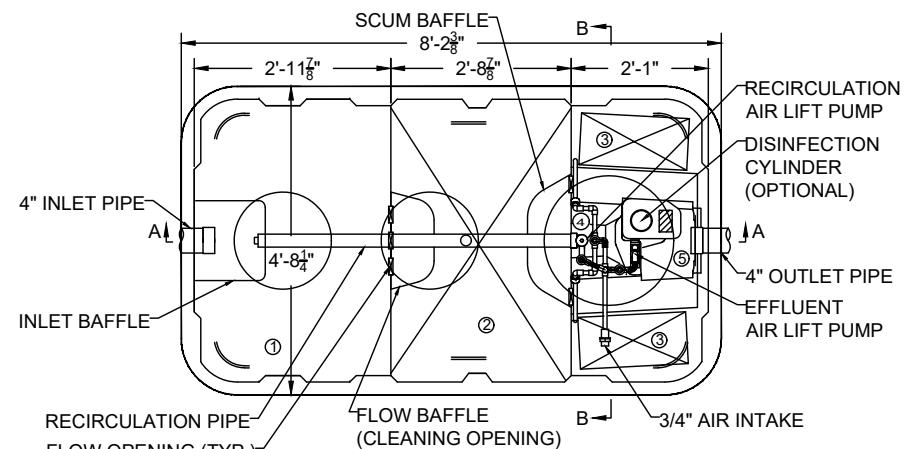
**PARTIAL SITE PLAN**

**C-101**  
Drawing Number  
2 of 4  
RKA2306  
Project Number

**MAGGIE F. VAVRICA, P.E.**

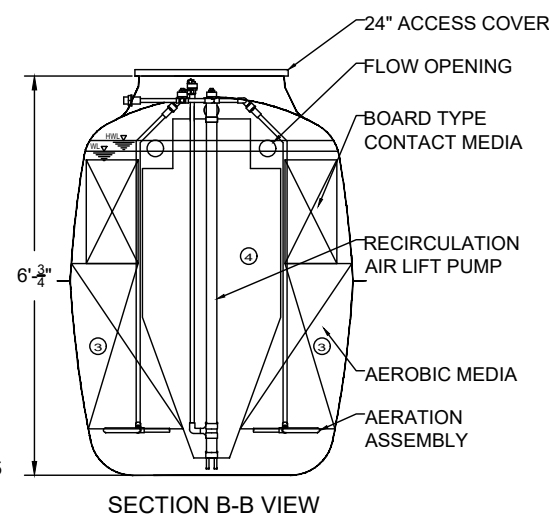
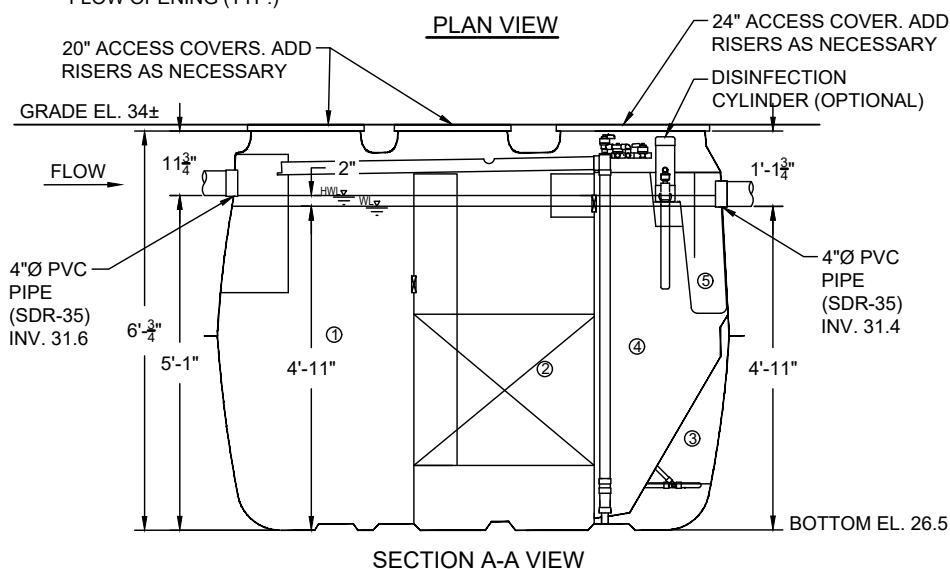
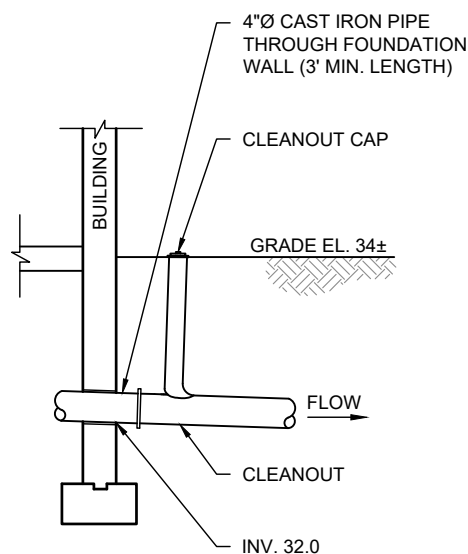
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CONSULTANTS



CHAMBER	Volume (gal)
① Sedimentation Chamber	397
② Anaerobic Filtration Chamber	396
③ Aerobic Contact Filtration Chamber	181
④ Clarification Chamber	90
⑤ Disinfection Chamber	6
Total Volume	1069

SPECIFICATIONS	
Anaerobic Media	PP / PE
Board Type Aerobic Media	PVC / PP / PE
Aerobic Media	PP / PE
Blower	3.5cfm
Tank	FRP
Piping	PVC / PP / PE
Access Covers	Plastic / Cast Iron
Disinfectant (Optional)	Chlorine Tablets



**FUJI CLEAN TREATMENT UNIT - CEN 7**

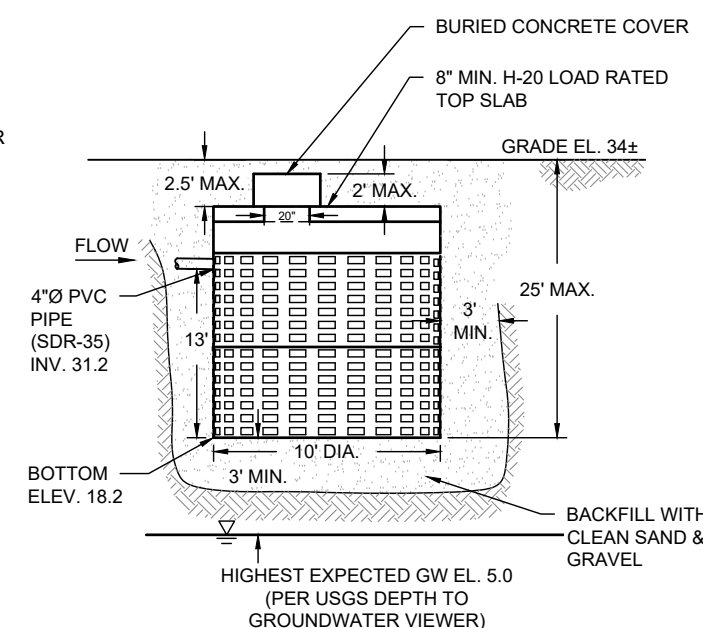
NOT TO SCALE

**NOTES:**

1. ALL COVERS TO BE EQUIPPED WITH A SAFETY GRATE COVER.

**BUILDING CONNECTION DETAIL**

NOT TO SCALE



**SANITARY LEACHING POOL DETAIL**

NOT TO SCALE

**NOTES:**

1. REFER TO THE SANITARY SYSTEM CALCULATIONS FOR THE MINIMUM EFFECTIVE DEPTH OF THE LEACHING POOL(S).
2. THE CONTRACTOR IS ADVISED THAT THE EFFECTIVE DEPTH IS NOT THE ACTUAL DEPTH OF THE LEACHING POOL. THE CONTRACTOR SHALL INSTALL "DUMMY RINGS" AS REQUIRED TO ACHIEVE THE EFFECTIVE DEPTH SPECIFIED.
3. SLABS & COVERS TO BE PRECAST REINFORCED CONCRETE, TRAFFIC BEARING AASHTO HS-20 LOADING.
4. DESIGN CONCRETE COMPRESSIVE STRENGTH = 4,000 PSI AT 28 DAYS, AASHTO H-20 LOADING.
5. 6' MINIMUM PENETRATION INTO A VIRGIN STRATA OF SAND & GRAVEL IS REQUIRED.



Unauthorized alteration or addition to the drawing and related documents is a violation of Section 7205 of the New York State Education Law.

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Project: 27 ADAMS LANE  
SOUTHAMPTON, NY 11968  
TOWN OF SOUTHAMPTON

**SANITARY DESIGN**

904-14-1-64

**DETAILS**

**C-102**

Drawing Number

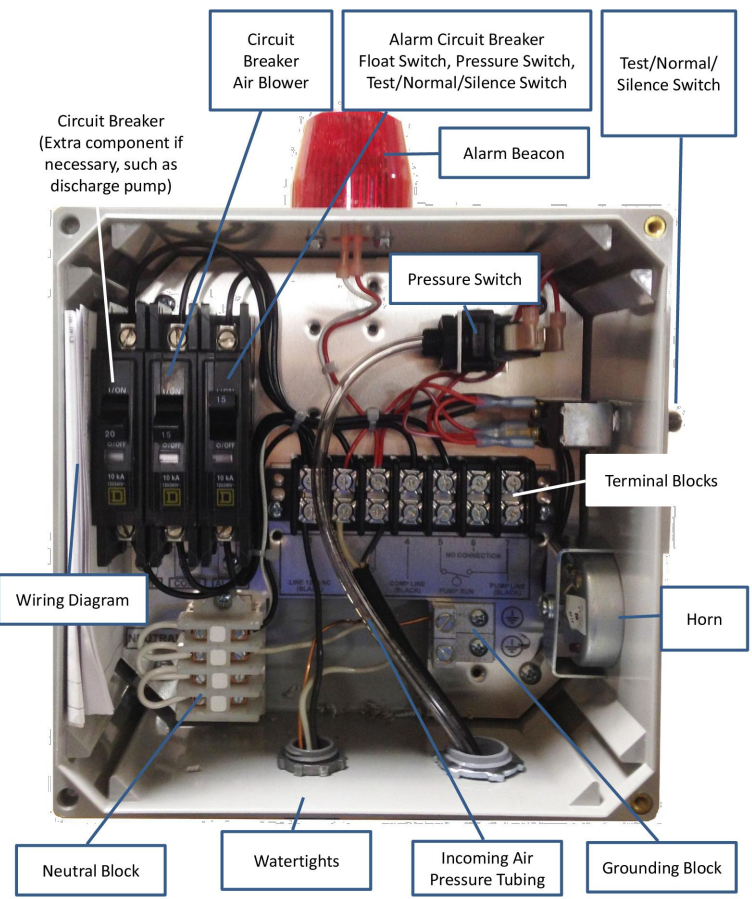
3 of 4

RKA2306

Project Number

**SCDHS APPROVAL BOX**

**SEE ATTACHMENT(S)**



**FUJI CLEAN CONTROL PANEL DETAIL**  
NOT TO SCALE

**renco SYSTEMS Technical Data Sheet**

### Riser Safety Grate

**Applications**  
Orenco's non-corroding polypropylene riser safety grates rest inside of an access riser, to help prevent people or tools from falling into the tank opening. They are sized to fit inside of Ultra-Rib™, Perma-Loc™, Kor Flo™, and equivalent risers.

**General**  
Orenco's riser safety grates:  

- Are easy to install and remove.
- Allow service providers to rest filters or other components on the grate inside the riser to clean and hose them off.
- Prevent soil buildup when installed in the bottom of a valve box.
- Fit most brands of ribbed PVC profile pipe.
- Are made of noncorroding polypropylene.

**Standard Models**  
RG12, RG18, RG21, RG24

**Materials of Construction:**  
Riser grate Polypropylene

**Specifications**

	RG12	RG18	RG21	RG24
Diameter, in. (mm)	11.70 (297)	17.50 (445)	20.50 (521)	23.25 (591)
Thickness, in. (mm)	0.50 (13)	0.50 (13)	0.50 (13)	0.50 (13)
Weight, lb (kg)	0.70 (0.3)	1.7 (0.8)	2.3 (1.0)	3.0 (1.4)
Max. load, lb (kg)	350 (159)	350 (159)	350 (159)	350 (159)
Max. tank opening size, in. (mm)*	10.0 (254)	15.5 (394)	18.5 (470)	20.0 (508)

\* Do not use Riser Safety Grates to cover tank openings larger than the maximum tank opening size listed.

**Riser safety grate mesh detail**  
0.78" (20 mm) x 0.26" (7 mm)

**RG24 riser safety grate**

Properly installed, the riser safety grate rests between the access riser and the tank opening. (Cutaway riser and cutaway grate shown for display purposes.)

**RISER SAFETY GRATE DETAIL**  
NOT TO SCALE

**renco SYSTEMS Technical Data Sheet**

### Carbon Filters

**Applications**  
Orenco Carbon Filters reduce the odor of sewer gases in passive air-flow venting applications.

**General**  
The Orenco Carbon Filter attaches to vent pipes with a slip fit. The weather cap is removable to allow replacement of the carbon package. Carbon replacement frequency will be based on the volume and strength of gases being scrubbed by the filter. Carbon recharge packages, adapter bushings, and custom sizes are available.

**Standard Models**  
CF3, CF4, CF6

**Product Code Diagram**

**CF**  
Filter diameter:  
3 = 3"  
4 = 4"  
6 = 6"  
Carbon filter

**Materials of Construction**  
Weather Cap: ABS (CF3, CF4), Fiberglass (CF6)  
Carbon: Granular activated impregnated carbon  
Housing: UV-resistant PVC  
Screen Plate: Polyethylene

**Specifications**

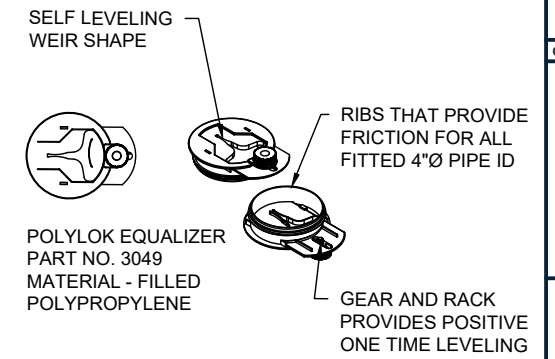
Dimensions	CF3	CF4	CF6
A, in. (mm)	5 1/2 (139)	5 1/2 (139)	9 (229)
B, in. (mm)	10 (254)	12 1/2 (318)	18 1/2 (469)
C, in. (mm)	1 1/4 (31.8)	1 1/2 (38.1)	3 1/4 (87.3)
D, in. (mm)	3 3/8 (88.9)*	4 1/2 (114)*	6 1/2 (168)*
Carbon weight, lbs (kg)	0.9 (0.41)	1.6 (0.73)	6.0 (2.73)
H <sub>2</sub> S capacity, grams/cc	0.14	0.14	0.14

\* Fits nominal 3", 4", and 6" vent pipe. Fittings are available to adapt to other vent pipe sizes.

**CF3, CF4 Cutaway View (side)**  
**CF6 Cutaway View (side)**

**CF3, CF4 Actual View (side)**  
**CF6 Actual View (side)**

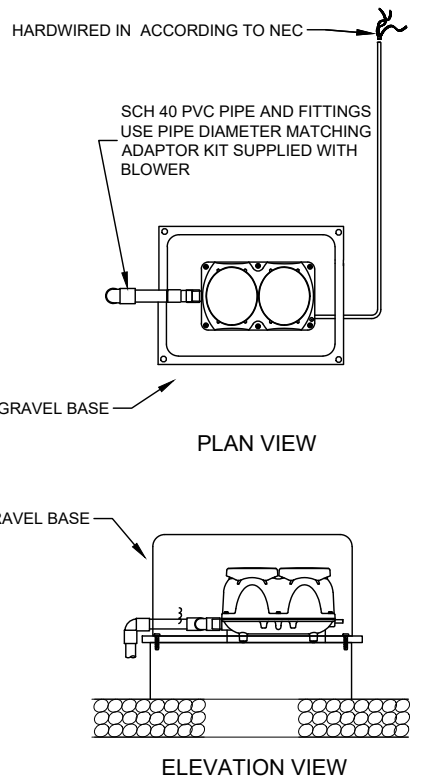
**CARBON FILTER DETAIL**  
NOT TO SCALE



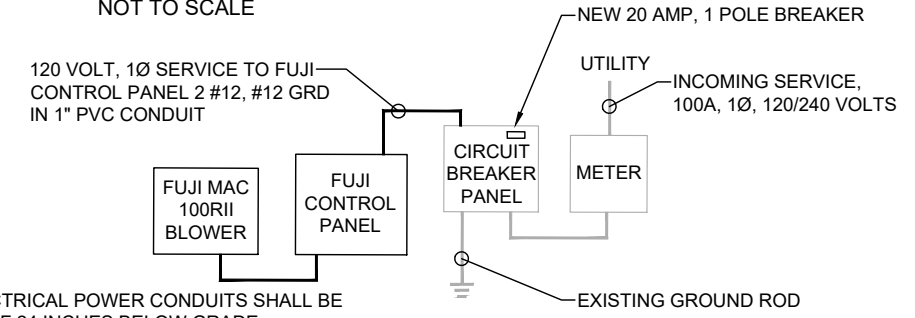
**END CAP LEVELING DEVICE DETAIL**  
NOT TO SCALE

**Air Line Conduit Diameter Table. (For conduit runs with fewer than 5 elbows)**

FujiClean Model/ Air Pump Size	CE5, CE7 CEN5	CE10, CEN7
Air Pump to Tank Distance	FujiMAC 100R11	FujiMAC 100R11
<33 feet	3/4"	3/4"
<100 feet	1"	1"



**FUJI MAC 100R11 BLOWER DETAIL**  
NOT TO SCALE



- NOTES:**
1. BURIED ELECTRICAL POWER CONDUITS SHALL BE A MINIMUM OF 24 INCHES BELOW GRADE.
  2. ALL ELECTRICAL WORK TO BE PERFORMED IN ACCORDANCE WITH NEC.

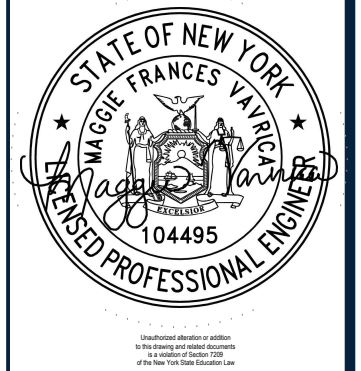
**ELECTRICAL ONE LINE DIAGRAM**  
NOT TO SCALE

**SCDHS APPROVAL BOX**

**SEE ATTACHMENT(S)**

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Number: 7/24/23  
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27 ADAMS LANE  
SOUTHAMPTON, NY 11968  
TOWN OF SOUTHAMPTON

**SANITARY DESIGN**

904-14-1-64  
County Tax Map Number

**DETAILS**

**C-103**  
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**RKA2306**  
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