

SITE INFORMATION

LOTS 351-355 & LOTS 377-379 & P/O KAY STREET
BLOCK 14
MAP OF
OLYMPIC HEIGHTS EXTENSION
SECTION 3
FILED APRIL 15, 1913 AS MAP No. 171

TOTAL LOT AREA: 19,200 SQ.FT. (0.4408 ACRES)

SANITARY CALCULATIONS

SANITARY USE: PROPOSED 1-STY, 4-BEDROOM RESIDENCE

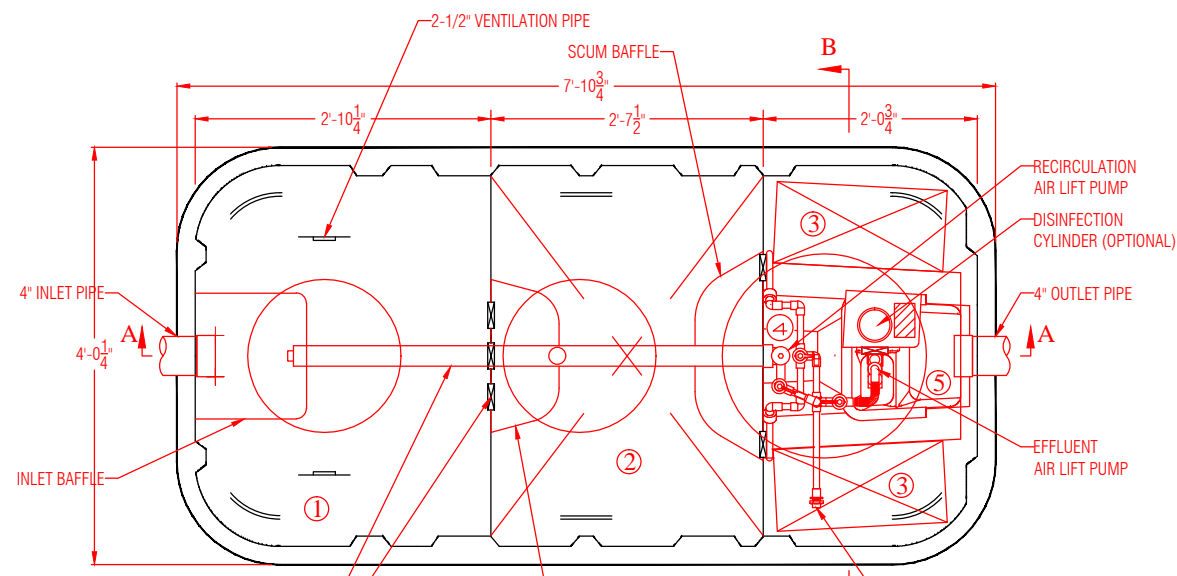
MINIMUM TREATMENT SYSTEM CAPACITY: 440 GPD (SCDHS RES. STDS. TABLE 3)
MIN LEACHING CAPACITY: 300 SF SIDEWALL AREA (SCDHS RES. STDS. TABLE 4)

OUTFALL SUMMARY:
ONE (1) FUJICLEAN CEN5 (500 GPD RATED CAPACITY)
ONE (1) 8'0" X 12' DEEP LEACHING POOL (300 SF OF SIDEWALL AREA)

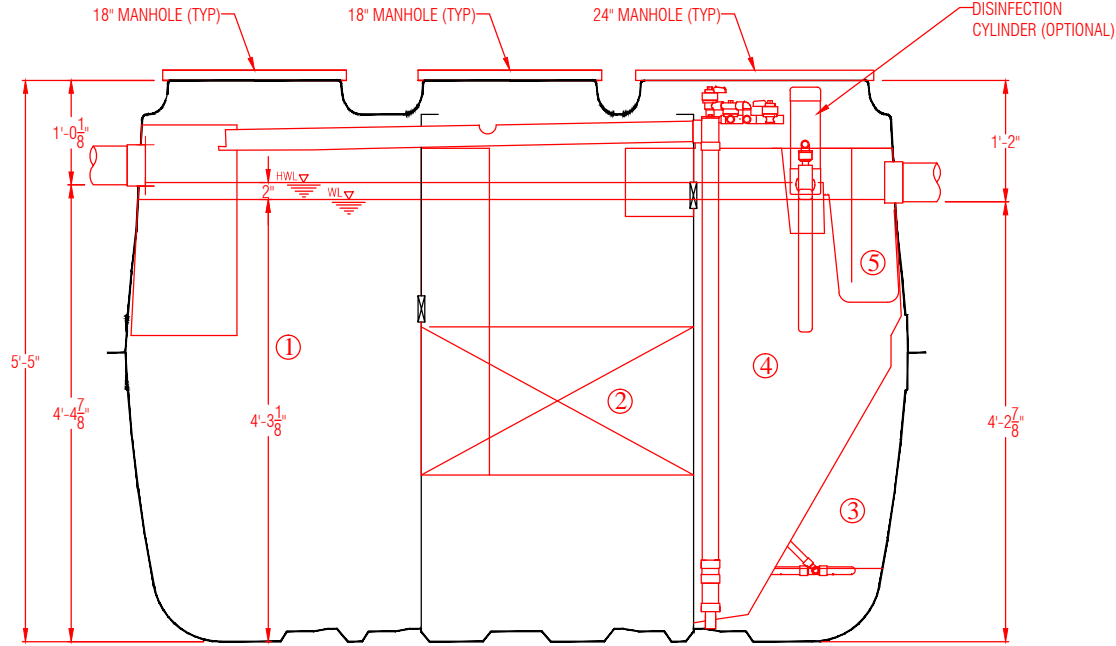
EXPECTED HIGH GROUNDWATER ELEVATION AT +6' MSL
DEPTH TO GROUNDWATER OVER 20'

53.9 EXIST. GRADE
53.5 PROP. GRADE

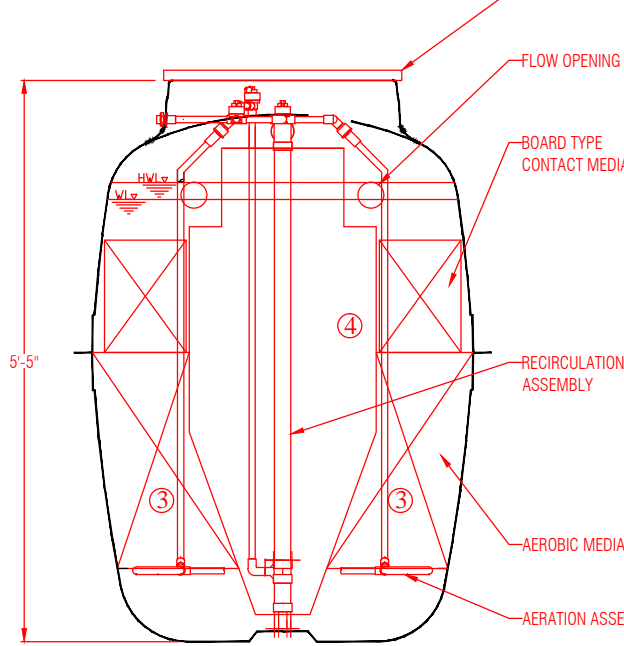
- NOTES:
1. ELEVATION DATUM IS NAVD 88
 2. PROPOSED NEW SINGLE FAMILY RESIDENCE ON VACANT LOT.
 3. DESIGN ENGINEER SHALL OBSERVE THE OWTS PRIOR TO BACKFILL AND DURING SYSTEM STARTUP.
 4. OWTS SHALL BE TESTED FOR WATER TIGHTNESS PRIOR TO ARRIVING ONSITE USING METHOD APPROVED BY MFG.
 5. THE OWTS INSTALLER SHALL HOLD AN I/A OWTS ENDORSEMENT FROM SCDHS AND SHALL BE AN AUTHORIZED INSTALLER.
 6. INSTALLER SHALL REGISTER THE OWTS WITH SCDHS. THE ENGINEER SHALL PROVIDE RECORD DOCUMENTS REQUIRED BY SCDHS.
 7. AN EXECUTED O&M CONTRACT BETWEEN THE MAINTENANCE PROVIDER AND THE PROPERTY OWNER SHALL BE PROVIDED TO SCDHS. THE SERVICE CONTRACT SHALL BE A MIN. 3 YEARS.
 8. NO SURFACE WATERS WITHIN 300' OF PROPERTY LINES.



PLAN VIEW



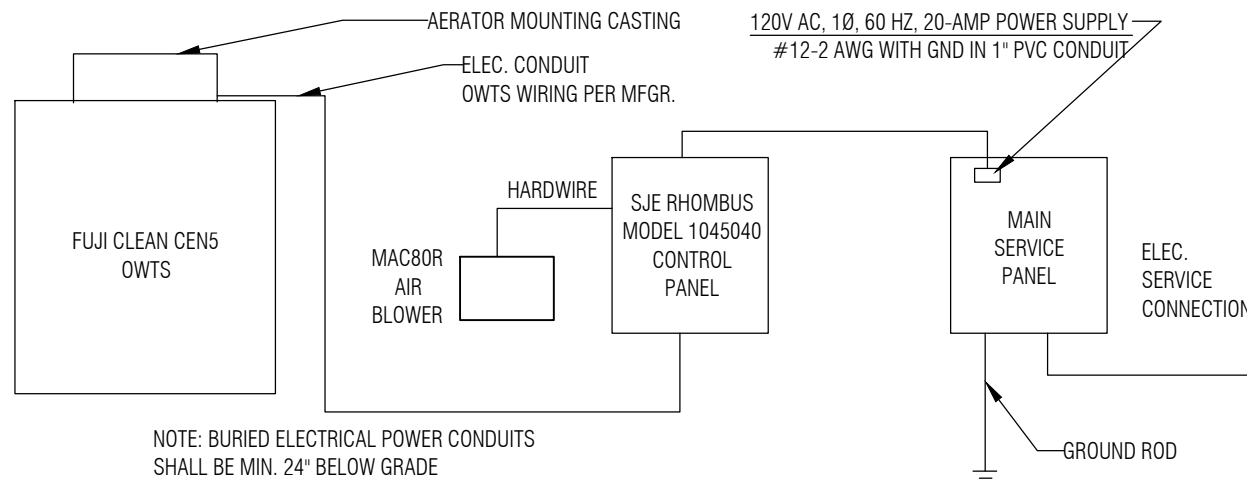
SECTION A-A VIEW



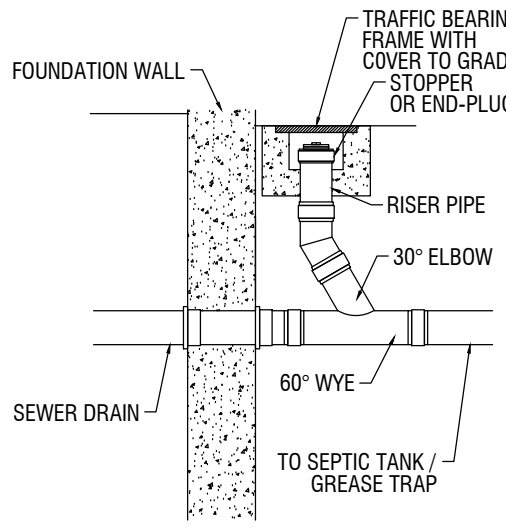
SECTION B-B VIEW

CHAMBER	Volume (gal)
① Sedimentation Chamber	277
② Anaerobic Filtration Chamber	278
③ Storage Chamber	127
④ Disinfection Chamber	63
Total Volume	749

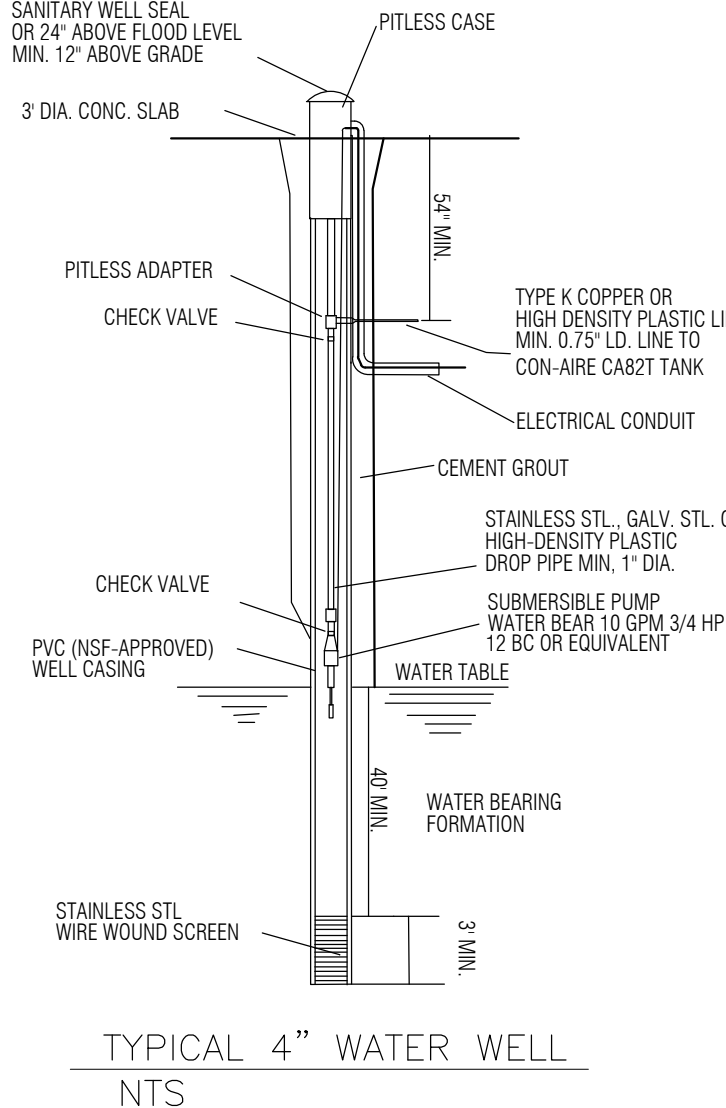
SPECIFICATIONS	
Anaerobic Media	PP / PE
Board Type Aerobic Media	PVC / PP / PE
Aerobic Media	PP / PE
Blower	2.8 cfm
Tank	FRP
Piping	PVC / PP / PE
Access Covers	Plastic / Cast Iron
Disinfectant (Optional)	Chlorine Tablets



ELECTRICAL ONE LINE DIAGRAM
NOT TO SCALE

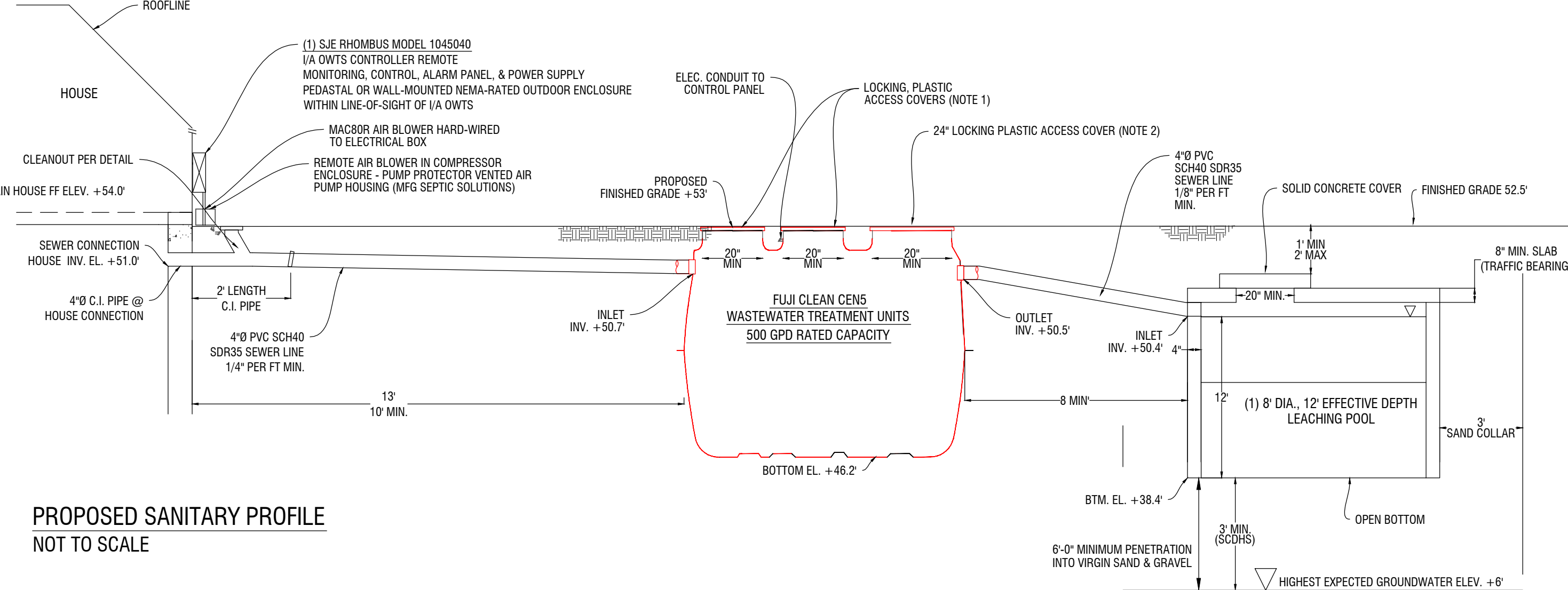


SEWER CONNECTION CLEANOUT
NOT TO SCALE



TYPICAL 4" WATER WELL
NTS

- OWTS NOTES:
1. ALL 18" RISERS, SAFETY SCREENS AND COVERS SHALL BE POLYLOK MANHOLE 1 & 2- 3009RP 20" RISER PAN, 3009 SS 20" SAFETY SCREEN AND 3017 C20 20" HD COVER.
 2. ALL 24" RISERS, SAFETY SCREENS AND COVER SHALL BE POLYLOK MANHOLE 3- 3009 AR 24" ADAPTER RING, (1) 3008 24" RISER, 3008 SS 24"
 3. OWTS TO VENT VIA WASTELINE AND THROUGH HOUSE PLUMBING, NO SEPARATE VENT LINE REQUIRED.
 4. BLOWER SHALL BE ABOVEGROUND AND HOUSED IN PUMP PROTECTOR VENTED AIR PUMP HOUSING



PROPOSED SANITARY PROFILE
NOT TO SCALE



Sanitary Plan

Scale: 1" = 20'-0"

BASED ON SURVEY PREPARED BY DAVID L. SASKAS, L.S., DATED 6/21/21.
VERTICAL DATUM NAVD88.

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SCTM No. 300-120-4-9.5

Sanitary Plan

Issue

Date
July 27, 2021

Scale

As noted

Sheet

C-1

Rev. 0 - 07.27.21