

SEPTIC TANK CALCULATION								
SYSTEM	FLOOR	DWELLING FLOOR AREA	AREA	FLOW	DRAINFIELD AREA SQ. FT. (0.8 gal./ft./day)	PBTS REDUCTION ~40 %	UNOBSERVED AREA SQ. FT.	RESERVED AREA SQ. FT.
#1	ONE	1,829 SF	3 BEDROOMS	300 GPD	375 SQ.FT.	225 SQ.FT.	338 SQ.FT.	338--225=113 SQ.FT.

DATA OF DWELLING FLOOR AREA HAS BEEN SPECIFIED BY ARCH. SPEC.
LOT EVALUATION: GROSS LOT AREA 4,750 SQ. FT.
 1 ACRE = 43,560 SF MAXIMUM DAILY SEWAGE FLOW = 2,500 GAL X 0.109045 ACRE=272.62 GPD

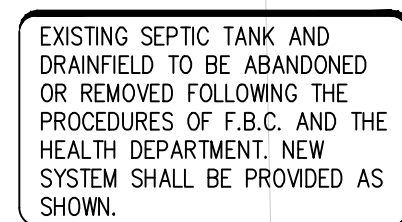
VERY IMPORTANT NOTES:

- 1-) SEPTIC TANK AND DRAINFIELD SHALL BE MIN. 5 FT. FROM ANY PROPERTY LINE OR ANY BLDG.
- 2-) SLEEVE (DOUBLE PIPING) ANY WATER PIPE WITHIN 10 FT. FROM ANY SEPTIC TANK OR DRAINFIELD SYSTEM.
- 3-) WATER WELL PUMP 100' AWAY FROM ANY SEPTIC TANK DRAINFIELD SYSTEM.
- 4-) SEPTIC TANK DRAINFIELD SYSTEM SHALL BE 75' AWAY FROM ANY OTHER BODIES OF WATER (CANAL).
- 5-) THERE ARE NO PERTINENT FEATURES ON ADJACENT PROPERTIES AND ACROSS THE STREET THAT MAY AFFECT THE SYSTEM INSTALLMENT.
- 6-) PROVIDE AVERAGE GROUND WATER LEVEL INFORMATION BEFORE JOB COMMENCEMENT.
WATER TABLE INVERT SHALL BE 2' INVERT FROM BOTTOM OF DRAINFIELD BED
- 7-) CALCULATION BLDG AREA HAS BEEN ZONE BY ENCLOSED HAITABLE AREA OF A DWELLING UNIT, EXCLUDING THE GARAGE, CARPORT, EXTERIOR STORAGE SHED, OR OPEN OR SCREENED PATIOS OR DECKS, CALCULATIONS OF BUILDING AREA SHALL BE MADE BY MEASUREMENTS OF OUTSIDE BUILDING DIMENSIONS. 64E-6.00(12).

I CERTIFY THAT THE ENGINEERING FEATURES OF THIS PERMANENCE BASED TREATMENT SYSTEM HAVE BEEN DESIGNED OR SPECIFIED BY ME AND CONFORM TO ENGINEERING PRINCIPLES APPLICABLE TO SUCH PROJECTS. IN MY PROFESSIONAL JUDGMENT, THIS SYSTEM, WHEN PROPERLY CONSTRUCTED, OPERATED AND MAINTAINED, WILL ACHIEVE THE ESTABLISHED PERFORMANCE STANDARD AND COMPLY WITH ALL APPLICABLE STATUS OF STATE OF FLORIDA AND RULES OF THE DEPARTMENT.

THIS IS BASED ON AVERAGE TESTING PERFORMANCE DATA FOR COMPONENTS OF PERFORMANCE-BASED TREATMENT SYSTEM (PTS) BY E. ROEDER FOR USE IN NUTRIENT AND FECAL CALIFROM REDUCING PBTS OR FROM TEST CENTER FOR NSF-CERTIFICATION AS AEROBIC TREATMENT UNITS (ATUS). FLORIDA-APPROVED NSF 40 CERTIFIED MODELS.
SINGLAIR 960 W/ BLOKINETICS PHASE 1 W/ RECIRCULATING 73% TN REMOVAL.

FLORIDA-APPROVED NSF STANDARD 245 NITROGEN-REDUCING, CERTIFIED AEROBIC TREATMENT UNITS IN FLORIDA (RULE 64E-6.012, FLORIDA ADMINISTRATION CODE.)
 NORWECO SINGULAR TNT=500, 600, 750, 800, 1000, 1250, 1500
 AVERAGE TOTAL NITROGEN REDUCTION NSF 245 COMPLETION REPORT 68% SINGULAR TNT TN=6.80 MG/L CBOD5=6 MG/L, TSS=10 ML/L TP TREATMENT ANTICIPATES SUFFICIENTLY LOW INFLUENT CONCENTRATIONS AND TESTING FACILITY: CHELSEA, MI.



THERE ARE NO PERTINENT FEATURES ON ADJACENT PROPERTIES
AND ACROSS THE STREET THAT MAY AFFECT THE SYSTEM INSTALLATION.

NEW SHUT-OFF VALVE
IN VALVE BOX AS PER
FBC SECTION 606.1

NEW 1" WATER
METER
BY JASA

1

PLUMBING SITE PLAN

SCALE: 1/8" = 1'-0"



Existgng
ONE STORY
BUILDING
F.F.E.= 9.67'

BENCH MARK

ONE STORY
RESIDENCE
No. 5125
F.F.E.=9.90'

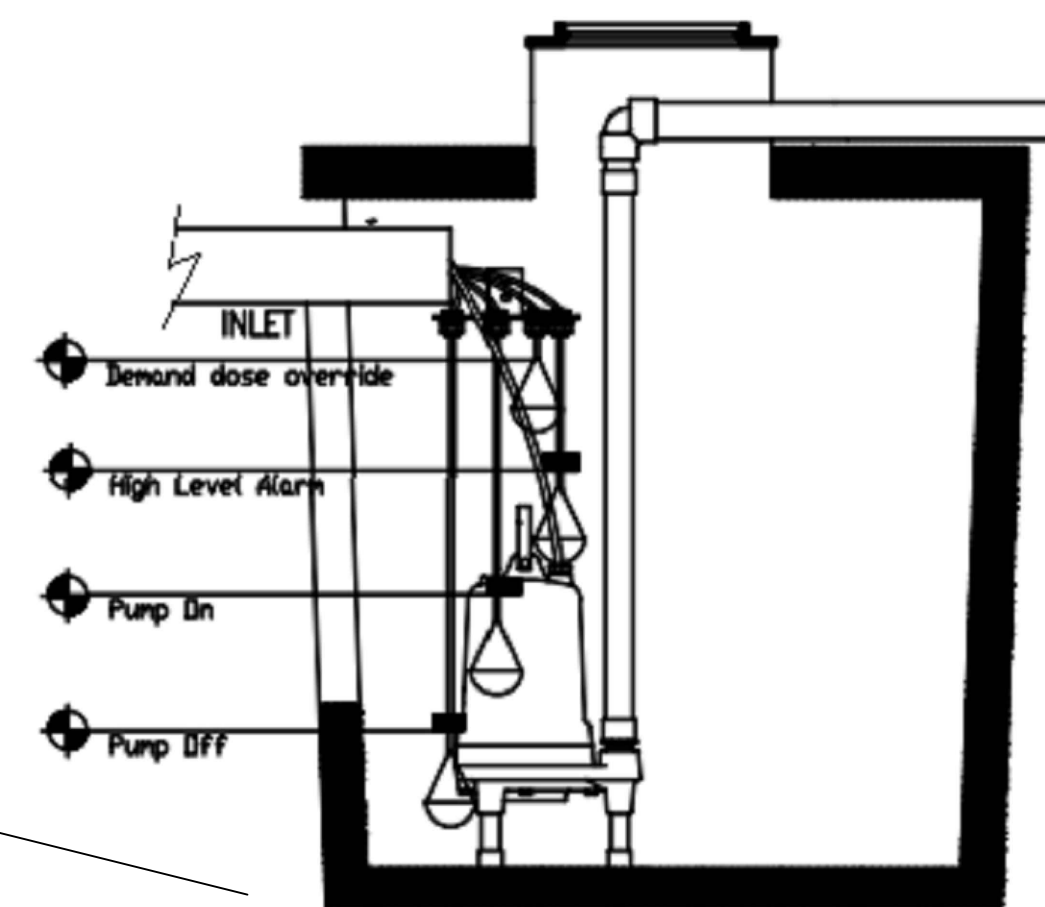
HEADWORKS BOX CONTAINING

- AIR/VACUUM BREAKERS
- AIR VENT & PRESSURE REGULATOR
- FIELD FLUSH VALVE

NOTE: THE WASTEFLOW PREVIOUS LISTED DEVICES
STAND FOR CHECK VALVES PETCOCKS, INLINE
FILTERS, ETC, REQUIRED IN CHAPTER 64E-6 FAC

CONCENTRATION OF FECAL COLIFORM IN THE EFFLUENT LESS THAN 200 mg/l

PROPOSED 600 GPD ATU
NORWECO SINGLAIR
MODEL 960-500
13-160-NW1-C3



PUMP TANK
NTS

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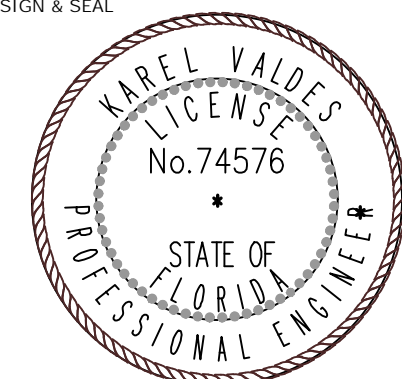
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SIGN & SEAL



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SHEET TITLE:

PLUMBING SITE PLAN

Drawn by	A.M
Checked by	K.V
Project Number	021123A
Issued for	
Issue date	Sheet #
02/11/23	P-1
Scale	
SEE DWG.	

P-1