

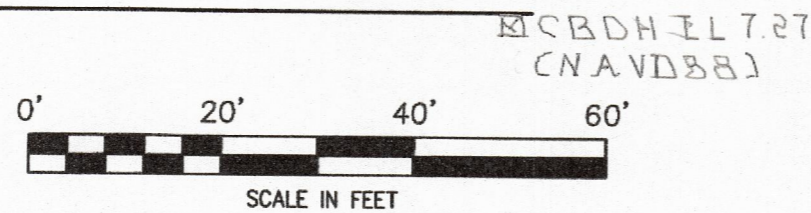
TESTED: 22AUG19 @ 2:30 PM  
(1 HR. AFTER HIGH TIDE)

**DESIGN**

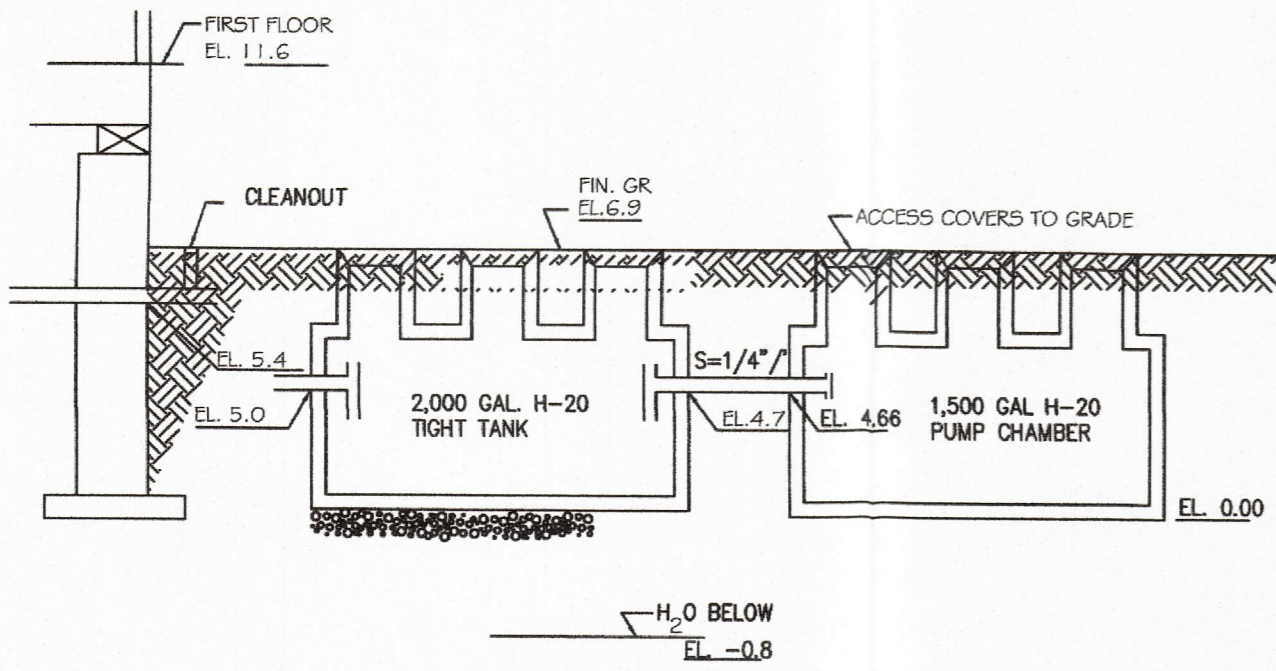
SINGLE FAMILY DWELLING W/2 BEDROOMS  
NO GARBAGE DISPOSAL  
DAILY FLOW = 110 X 2 = 220 G.P.D.  
DESIGN FLOW X 500% = 1,100 GALS. PER 310 CMR 105.260  
MINIMUM STORAGE VOLUME IN TIGHT TANKS = 1,100 GAL  
TOTAL STORAGE VOLUME PROVIDED: 2,000 GALS + 468 GALS = 2,468 GALS.  
STORAGE PER FOOT OF TANK DEPTH = 1,500 GALS/48" (4.0') = 375 GAL/FT

MINIMUM STORAGE REQUIRED ABOVE ALARM: 2 X FLOW (220) 440 GAL. (MIN.)  
HEIGHT OF STORAGE ABOVE ALARM: 440/375 GAL/FT = 1.2' MIN.  
HEIGHT OF ALARM ABOVE BOTTOM OF TANK: 4.0' - 1.2' = 2.8' MAX ABOVE BOTTOM  
ALARM TO BE SET 15" ABOVE BOTTOM  
EMERGENCY STORAGE REQUIRED: 440 GALS.  
EMERGENCY STORAGE PROVIDED: 468 GALS.

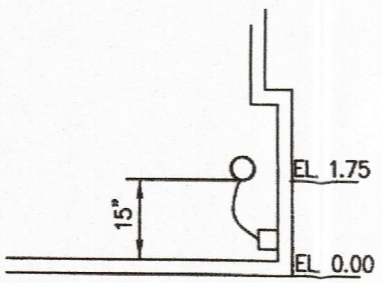
HEALTH AGENT APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_



**SITE PLAN**



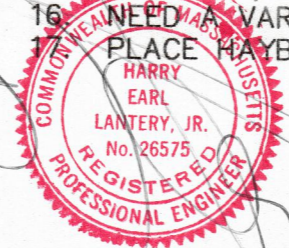
**PROFILE OF DISPOSAL SYSTEM**  
(DRAWING NOT TO SCALE)



**AUDIO AND VISIBLE ALARM AND FLOAT DETAIL**  
(DRAWING NOT TO SCALE)

**NOTES:**

- DISPOSAL SYSTEM TO BE CONSTRUCTED IN STRICT ACCORDANCE WITH COMMONWEALTH OF MASSACHUSETTS ENVIRONMENTAL CODE - TITLE V.
- CONTRACTOR TO CALL DIG-SAFE 72 HOURS PRIOR TO BEGINNING OF EXCAVATION.
- EXISTING CESS POOL TO BE PUMPED, FILLED WITH SAND, AND ABANDONED.
- THE SOLE PURPOSE OF THIS PLAN IS THE CONSTRUCTION OF THE SEPTIC SYSTEM AS SHOWN HEREON.
- BENCHMARK IS TOP OF CONCRETE BOUND, AS SHOWN, ELEV = 7.27, NAVD88
- LOCUS IS SHOWN ON A PLAN RECORDED AT PLAN BOOK 28, PAGE 1, B.C.R.D.
- LOCUS IS SERVED BY TOWN WATER.
- LOCUS IS SHOWN AS APN 43.3-86-0 ON THE TOWN OF BOURNE ASSESSORS MAPS.
- SURVEY BY RICHARD J. HOOD, PLS.
- CONTRACTOR TO CHECK INVERT AT HOUSE OF RELOCATED SEWER PIPE.
- NOTIFY HEALTH AGENT AND ENGINEER PRIOR TO EXCAVATION.
- USE 1 - 2,000 GAL. (H-20) MONO Poured TIGHT TANK WITH BOOTS, AND 1 - 1,500 GAL. H-20 PUMP CHAMBER BY ACME-SHOREY, OR EQUAL.
- GRADE, LOAM AND SEED ALL DISTURBED AREAS.
- THE COTTAGE IS ELEVATED ON PIERS. USE CRIBBING TO SUPPORT COTTAGE DURING EXCAVATION.
- NEED A VARIANCE OF 68' FROM 150' SEPARATION FROM WETLANDS REGULATION (150' - 68' = 82').
- NEED A VARIANCE OF 3' FROM PROPERTY LINE REGULATIONS. (10-3=7). PLACE HAYBALES AS SHOWN ON SITE PLAN.



REV. 2 150-68=82'  
REV. 1 FLAGGS  
REV. 0 12AUG22 SHT. 1 OF 2

**RECEIVED**

SEP 27 2022

Bourne Health Department  
24 Perry Avenue  
Buzzards Bay, MA 02532

OWNER/APPLICANT: KAREN WEST  
26 MASSASOIT AVENUE  
BOURNE, (POCASSET), MA

DEED REF.: BK. 32433 - PG. 190  
B.C.R.D.

PROPOSED TIGHT TANK DESIGN 26 MASSASOIT AVENUE BOURNE (POCASSET) MA			
PREPARED FOR: KAREN WEST			
DESIGN BY: LANTERY ASSOCIATES P.O. BOX 99 EAST SANDWICH, MA 02537 774.313.9547	SURVEY BY: Richard J. Hood, PLS. 12 Settlers Path Sandwich, MA 02563 508.855.7100	SCALE: 1" = 20'	JOB No. 20108
CHECKED HEL	CHECKED rjh (survey)		