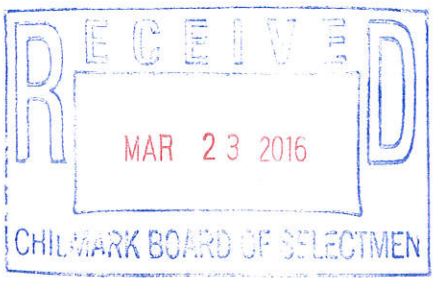
KENT A. HEALY Sc.D. PE
Civil Engineering
1 Farms End Road
P.O. Box 128
West Tisbury, MA 02575
508-693-6736

March 21, 2016

Tim Carroll, Exec. Sec
Town of Chilmark
PO Box 119
Chilmark, MA
02535



Dear Mr. Carroll:

From 2/25/16 to 3/7/167, I inspected the Menemsha comfort station building and the associated plumbing. The building, a simple concrete slab on grade with wood frame built in the 70's, is in good condition although the roof shingles should be replaced and the trim and windows repaired. The plumbing, shown in my 3/15/16 sketch, summer water from the Menemsha water company with a booster pump and pressure tank and solar water heating panels, appears to be in good condition, although the external PVC connections to the supply pipe needs to be repaired. The toilet waste water disposal system, a 1500 and 750 septic tank in series with the effluent going to a leaching bed is in good condition. The shower and floor greywater drains lead to separate leaching systems. The interior of the building could be rearranged to provide waterless urinals in the male's side and more toilets in the female's side, thereby increasing the capacity of the station. All the interior plumbing is in the concrete floor slab, but could be changed by cutting channels in the concrete.

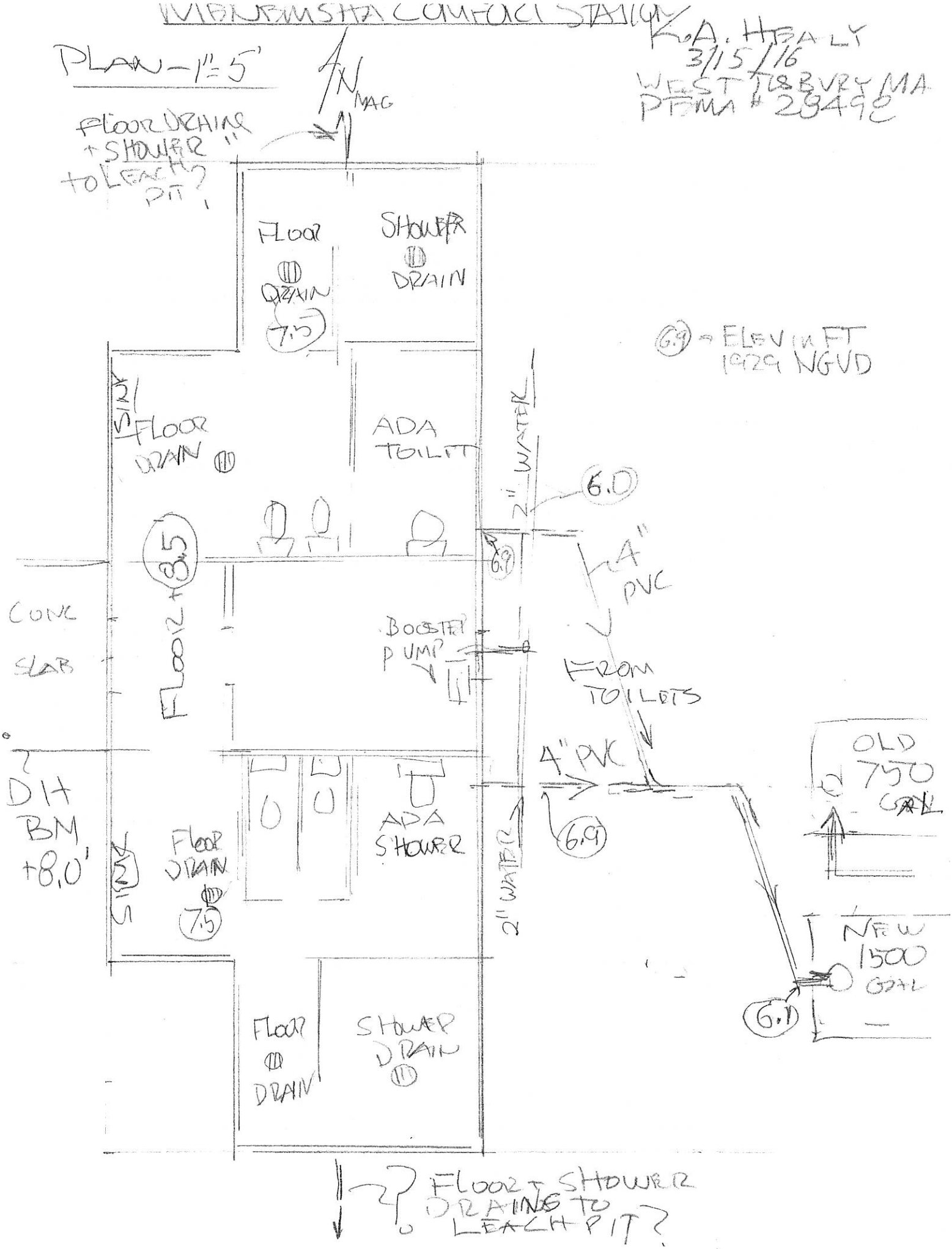
More time should be spent maintaining the building and keeping the ground around the building clear, but with good care the comfort station should serve Menemsha well for many years.

Kent A. Healy
PE MA #28498

MENEMSHA COMFORT STATION

K.A. HEALY
3/15/16
WEST TISBURY MA
PEMA # 28498

PLAN - 1" = 5'



MBTA COMFORT STATION

K.A. ITALY
3/15/16
WEST TISBURY MA
PTMA # 2349C

PLAN - 1" = 5'

N MAG

FLOOR DRAINS + SHOWER TO LEACH PIT?

FLOOR DRAIN 7.5

SHOWER DRAIN

(6.9) = ELEV IN FT 1929 NGVD

SINK

FLOOR DRAIN

ADA TOILET

2" WATER

6.0

6.9

8.5

4" PVC

CONC SLAB

FLOOR +

BOOSTER PUMP

FROM TOILETS

DH BM +8.0'

4" PVC

6.9

OLD 750 GAL

SINK

Floor DRAIN 7.5

ADA SHOWER

2" WATER

NEW 1500 GAL

6.1

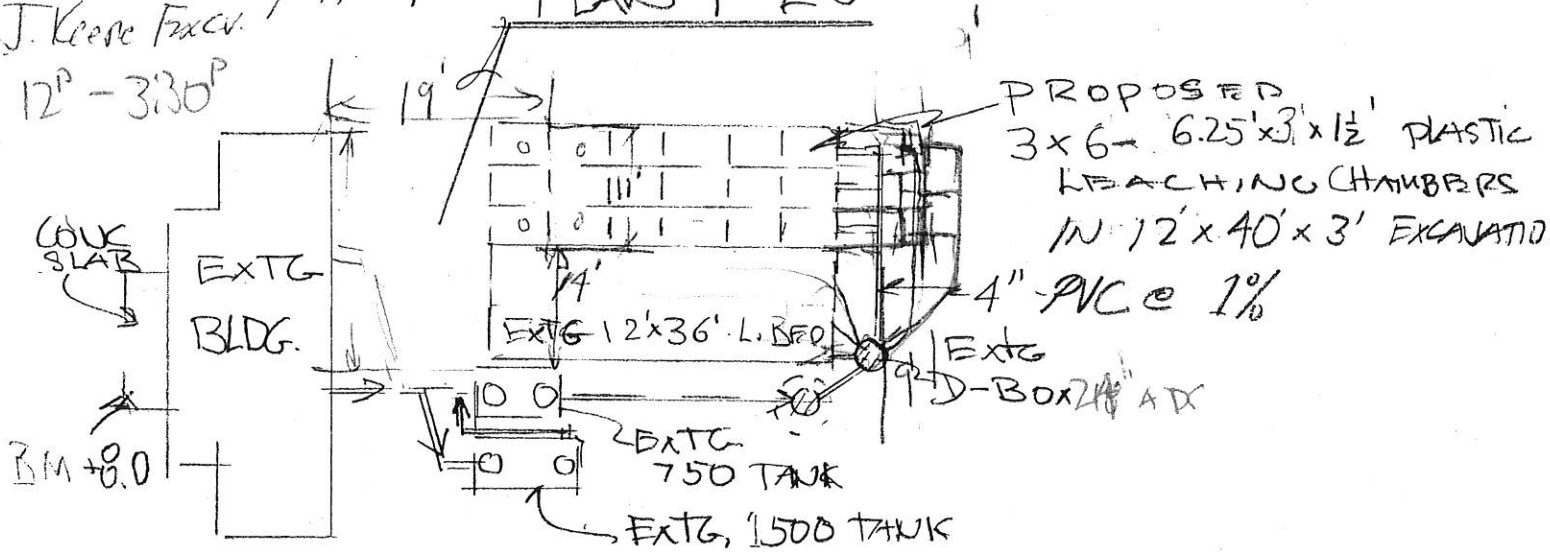
FLOOR DRAIN

SHOWER DRAIN

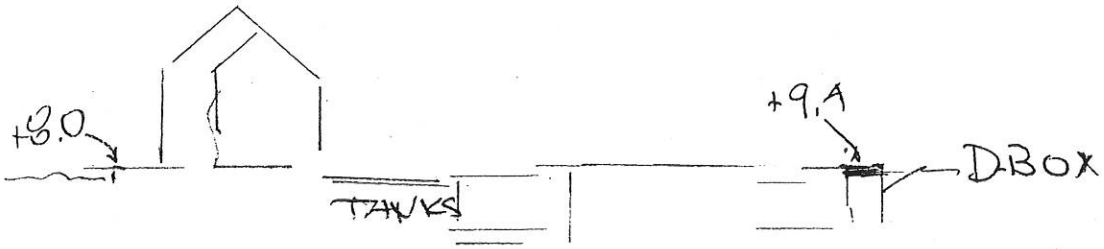
? FLOOR + SHOWER DRAINS TO LEACH PIT?

AS BUILT 5/19/09
J. Keene Excv.

PLAN 1"=20'

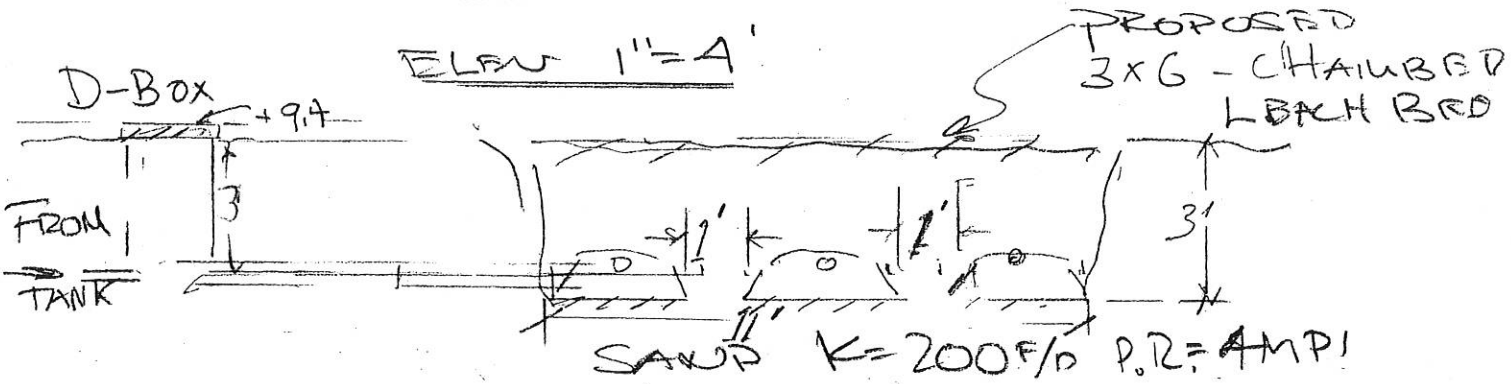


ELEV 1"=20'



COMMONWEALTH OF MASSACHUSETTS
KENT A. HEALY
No. 28498
CIVIL
REGISTERED PROFESSIONAL ENGINEER
4/13/10

ELEV 1"=4'



DESIGN DATA

1. COMFORT STATION - 3000 GPD PEAK USE
2. EXTG 750 + 1500 GALLON SEPTIC TANKS WITH PIRANA →
3. EXTG. 700 Ft^2 MIN MAX
   PROPOSED - 18 x 6.25 ft x 4.72 FT²/FT = 531 FT^2
   1231 Ft^2 x 3 GPD/Ft^2 = 3600 GPD

"EXPANSION OF LEACHING BED FOR COMFORT STATION MENEMSHA AP 21-1 CHILMARK MA

KENT A. HEALY 4/13/09
WEST TISBURY MA
PE MA #28498

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For inspection of Menemsha Comfort station

2/25/16 - 3/21 16	9.0 hrs @ $150	= $1350