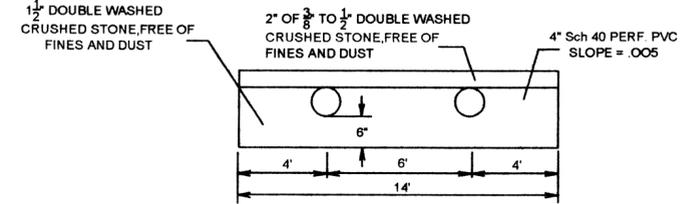


EX. 1500 GALLON SEPTIC TANK
 TANK TO BE INSPECTED AT TIME OF CONSTRUCTION. IF FOUND TO BE INADEQUATE, REPLACE WITH NEW 1500 GAL. TANK.

NOTES

- ALL COMPONENTS WILL BE BY CONCRETE PRODUCTS, INC. OR APPROVED EQUAL.
- ALL PIPE WILL BE 4" SCH 40 PVC.
- MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF TITLE 5, MASS ENVIRONMENTAL CODE AND THE REQUIREMENTS OF THE LOCAL BOARD OF HEALTH.
- ALL OF THE "A" AND "B" LAYERS SHALL BE REMOVED AS PER 310 CR 15.255 (5) FOR A DISTANCE OF 5' FROM ALL SIDES OF THE PROPOSED LEACHING SYSTEM AND FROM BENEATH THE LEACHING SYSTEM TO AN ELEVATION OF 95.6 OR UNTIL NATURALLY OCCURRING PERVIOUS MATERIAL IS REACHED AS PER 310 CMR 15.250 AND THE LOCAL B.O.H. OFFICER. AFTER THE EXCAVATION IS COMPLETE, THE AREA WILL BE BACKFILLED TO THE DESIGN ELEVATION AS PER 310 CMR 15.255 (3) AND THE LOCAL B.O.H. OFFICER.
- ALL UTILITIES SHOWN ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION AND ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- THIS PLAN IS DESIGNED TO MAXIMUM FEASIBLE COMPLIANCE AS PER CMR 310 15.404 AND 15.406.
- ANY CHANGES OR VARIATIONS FROM THIS PLAN MUST BE APPROVED, IN WRITING, PRIOR TO CONSTRUCTION BY BOTH MILLER ENGINEERING AND THE LOCAL B.O.H.
- ALL COMPONENTS SHALL BE CAPABLE OF SUPPORTING AASHTO HS20-44 LOADS.
- ACCESS SHALL BE PROVIDED BY 24" DIAMETER CAST IRON FRAMES AND GRATES ADJUSTED TO GRADE AS REQUIRED BY BOARD OF HEALTH. RISER AN GRATES TO BE MADE WATER TIGHT. UNUSED PORTS AND COVERS OF SEPTIC TANK TO BE MADE WATER TIGHT PRIOR TO BACK FILLING.
- ELEVATION OF FOUNDATION OUTLET PIPE SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION OF SYSTEM.
- PUMP CHAMBER SHALL BE A 1,000 GAL. SEPTIC TANK BY CONCRETE PRODUCTS, INC. OR APPROVED EQUAL.
- CONSTRUCTION AND MATERIALS OF PUMP CHAMBER SHALL BE IN ACCORDANCE WITH 310 CMR 15.221 AN 15.226.
- PUMP TO BE A MYERS MODEL SRM4 4/10 HP PUMP OR APPROVED EQUAL.
- PUMP ALARM TO BE LOCATED IN BUILDING WHICH IT SERVES AND BE POWERED BY A CIRCUIT SEPARATE FROM THE CIRCUIT TO THE PUMPS.
- PUMP ALARM TO CONSIST OF AN AUDITORY AND VISUAL ALARM.
- CONTROL SYSTEM TO INCLUDE A MANUAL ON OFF SWITCH, AND THREE AUTOMATIC SWITCHES.
 PUMP OFF EL = (6')
 PUMP ON EL = (10')
 HIGH WATER ALARM EL = (16')
- TO PREVENT DAMAGE FROM FREEZING FORCE MAIN TO MAINTAIN CONSTANT SLOPE BACK TO PUMP CHAMBER.
- 1/4" WEEP HOLE TO BE DRILLED UP GRADIENT OF CHECK VALVE TO ENSURE FULL DRAINAGE OF FORCE MAIN INTO PUMP CHAMBER.

FIELD CROSS - SECTION



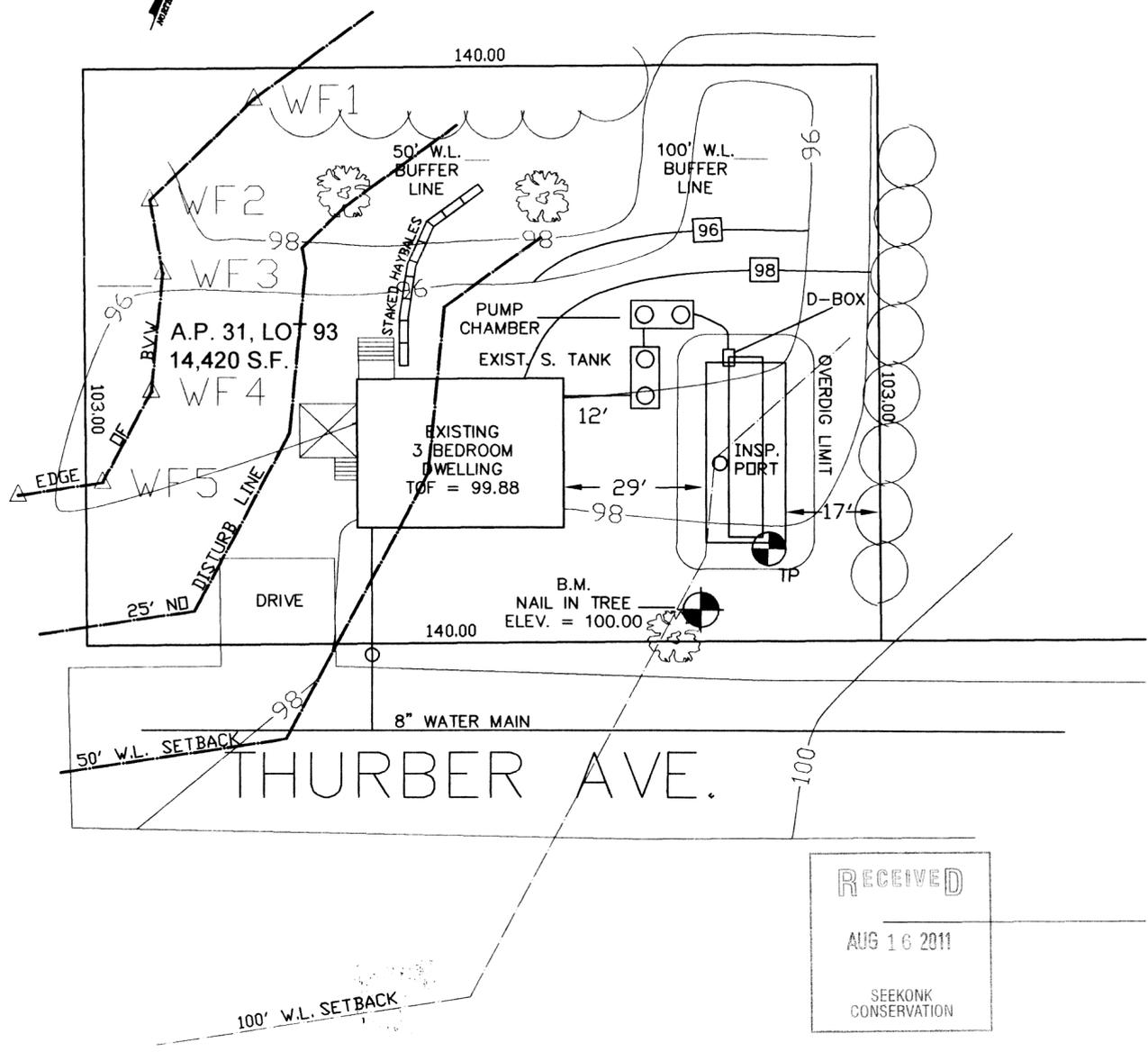
DESIGN DATA

- DESIGN FLOW: EXIST. 3 BEDROOM HOUSE, NO GARBAGE GRINDER
 DESIGN FLOW: 3 BEDROOMS x 110 GAL/DAY = 330 GAL/DAY
- SOILS INFORMATION: PERCOLATION RATE = <2 MIN. PER IN. SOIL CLASS I
 DESIGN PERCOLATION RATE = 5 MIN. PER IN.
- LEACHING AREA PROVIDED: BOTTOM: 32' LONG x 14' WIDE = 448 SQUARE FEET
- CAPACITY: 448 SQUARE FEET x .74 GAL. PER. SQUARE FOOT = 331 GAL. PER. DAY

I CERTIFY THAT I HAVE CONTACTED THE SEEKONK WATER DISTRICT AND THE WATER SERVICE CURB STOP TO HSE. #89 IS SHOWN CORRECTLY. THE WATER SERVICE SHOWN ON THIS PLAN IS IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE SEEKONK WATER DISTRICT.

VARIANCES REQUESTED

- A VARIANCE IS REQUESTED FROM TITLE V, TO REDUCE THE REQUIRED 5' SEPARATION TO GROUNDWATER TO 4.28'.
- A DEED RESTRICTION LIMITING HOUSE TO 3 BEDROOMS IS REQUIRED.



SCALE
 1" = 20'

BENCH MARK
 NAIL SET IN TREE
 (SEE PLAN FOR LOCATION)
 EL. = 100.00 (ASSUMED)



SE 69-712
 23 Thurber

SOIL DATA

SOIL TESTS PERFORMED IN 6/10/2010 BY JAMES MILLER AND WITNESSED BY B. HALL OF THE BOARD OF HEALTH		PROPOSED REPAIR OF SEWAGE DISPOSAL SYSTEM & NOTICE OF INTENT PLAN	
TEST PIT 1 98.1 0" FILL 96.7 17" LOAMY SAND 10 YR 32 A 96.4 20" LOAMY SAND 10 YR 33 B 95.6 30" CRSE. SAND 10 YR 44 C1 90.1 96" MED. SAND 10 YR 52 C2 88.1 120"		LOCATION: 23 THURBER AVE. MAP 31 LOT 93 SEEKONK, MA ASSESSORS MAP 31, LOT 93	APPLICANT: TATIANA UGARTE 23 THURBER AVE SEEKONK, MA - (401) 663-0214
PERC. RATE = <2 MPI PERC DEPTH = 32"-48" G.W. DEPTH = 91.6 (78)			PREPARED BY MILLER ENGINEERING 445R TAUNTON AVE. SEEKONK, MA (508) 336-6060 7/28/10
		8/30/2010 REV. SYSTEM TO 2 BEDROOMS 5/30/2011 REV. SYSTEM TO 3 BEDROOMS 6/27/2011 REV. OVERDIG 8/17/2011 ADD HAYBALES	CHECKED: