

Lambert's Cove beach Hydrant
ADDENDA #1
5/23/22

The specifications below are to be substituted for the original. Items in red are new language but please read all specifications carefully.

Specifications:

Lot Size: To be determined by Developer, Planning Board and Fire Chief (or designee).

Location of System: To be determined by Developer, Planning Board and the Fire Chief (or designee).

Well: There is an Memorandum of Understanding between The Town of West Tisbury and the Landbank as to allow the Town use of the existing well on Landbank property for purpose of refilling the hydrant lot tank. Evaluation of current Well for stability, depth, water yield and equipment match. Pump will consist of 25 GPM (gallons per minute). SS Pitless adaptor 6". Poly pipe 1-1/4" supply line. Miscellaneous fittings and check valves.

Tank: The Tank shall be a minimum of 20,000 U.S gallons capacity. Owens-Corning Fiberglass or equivalent, NOT Steel. Tanks to be installed as per Manufacturer's Instructions. Location of Tank to be determined by the Fire Chief (or designee). **The tank shall be surrounded with clean sand**

Pump: The pump shall be Make and model as previously used by the Fire Dept. A five (1/2) HP or larger to provide a minimum of 25 GPM.

Electrical: All wiring to be in accordance with current Electrical Regulations. Pump shall be operated on a manual basis with one (1) switch clearly marked "ON & OFF". All wiring shall be underground. All switches and electrical equipment to be located in an above-ground, All-Weather lockable **non ferrous or Hot dip galvanized** control box. Center of control box to be 48" from finish grade.

Control box is to be mounted to a pressure treated panel of 2x6 framing lumber using PT rated lag screws accessible from inside the box to facilitate eventual replacement of the support panel. Supports to be 4x4 Pressure treated posts or larger buried at least 2 feet below grade, tops to be angle cut to shed water and sealed or capped.

Piping: Well to tank piping can be done either in a pit or by way of a **Pitless** adapter. All piping shall be installed below frost line. **Suction line** will be 4" steel pipe and shall extend to within 6" of bottom of tank. **The bottom of the suction shall be fitted with an NFPA approved anti vortex plate.** Suction pipe shall extend to a height of two (2) feet above grade. This pipe must be one (1) piece construction and be anchored at the top by a concrete foundation*. This suction line shall be

finished off with a 6" NFT (National Fire Thread) Female swivel. All piping shall be of good quality, new material.

Vent pipe shall be installed to 18" above grade and terminate in 2) 90 degree elbows, discharge shall have a coarse screen to exclude animals.

Vent shall be constructed of steel pipe and be of 6" diameter. There shall be, at a level below frost line a bleeder line from this vent pipe which will drain any standing water from this vent/overflow pipe from freezing.

*The Suction line and the vent shall be set 1' to the rear of center in concrete stabilization/splash pads 3 x 3 feet wide and 4 inches deep

Recirculation Pipe will be 2" black iron pipe, shall be installed to two (2) feet above grade. Finished with a 90 degree elbow with an observation port on top, terminating with 1 1/2" NFT (National Fire thread) Female swivel.