

CONSTRUCTION KEY NOTES Checked Key Notes refer to this Plan. All others Not in Contract.)

1 The disposal works installer ("Contractor") must be licensed by the Board of Health. Construction shall be scheduled in advance with the Health Agent and with the Engineer. The Contractor shall notify the Engineer after having completed staking out the system and prior to the start of construction, so the Engineer may review the layout on the ground. Construction shall conform to these plans, and no changes will be allowed without the written permission of the Engineer. All materials and workmanship shall be in accordance with Title 5 of the State Environmental Code, 310 CMR 15.

2 Septic Tank shall be constructed of concrete and shall have a minimum capacity of 1500 gallons. Minimum liquid depth of tank shall be 4 feet. Tank shall be set level on a 6-inch bed of crushed stone and have one foot minimum of earth cover. The septic tank must be water tight, including all joints and pipe connections. As a minimum, tank sections must be sealed with "Kent-Seal", or approved equal.

2A Septic Tank shall have an inlet tee extending a minimum of 10 inches below ' the flow line, and an outlet tee extending to the depth shown in the following

Liqu

<u>d Depth in Septic Tank</u>	Depth of Outlet Tee Below Flow Line
4 feet	14 inches
5 feet	19 inches
6 feet	24 inches
7 feet	29 inches
8 feet	34 inches

ightarrow 2B Septic Tank outlet shall be fitted with outlet effluent filter such as "Zabel" or approved equal.

- 2C Manhole covers above the inlet and outlet shall be equipped with an 20" minimum inside diameter concrete riser mounted on top of septic tank with a watertight seal. Watertight Covers are to extend slightly above surrounding finished grade.
- 3 The distribution box shall be pre-cast concrete with vertical outside walls, inlet baffle, and 6" sump (Richards DB-6 or equal). It shall be set level on an bed of crushed stone extending to 4-feet below finished grade and have a minimum of 1 foot of earth cover. All lines out of the distribution box shall be solid-wall 4" PVC SCH 40, with Rubber O-Ring Joints, laid level to the elbow at least 2' beyond the distribution box with speed dial levelers. The invert elevations of all outlets shall be exactly level. Leveling shall be tested by filling the D-box with water and checking for equal distribution to each lateral. Insides of pipe ends shall be routed to remove burrs.
- 4 During leaching area construction, equipment shall be operated so as to avoid compaction or smearing of soils. Above-ground vegetation shall be closely cut and carefully removed throughout the leaching and fill areas. Tree stumps should be cut flush and roots should not be pulled except within 2 feet of the trench or as directed. Topsoil shall be stripped and stockpiled for reuse on site.
- \wedge 5A Sand fill material for systems to be constructed in fill shall consist of imported soil material, unless on-site borrow is tested and proven to comply with the sieve analysis. Fill shall be clean granular Sand, free from organic matter and deleterious substances. Mixtures and layers of different classes of soils shall not be used. The Sand fill shall not contain any material larger than two inches. A sieve analysis shall be performed on a representative sample of the fill, and the analysis shall be submitted to the Engineer for approval in advance. Up to 45% by weight of the sample may be retained on the #4 sieve. Sand fill shall meet the following specifications:

Sieve Size	Effective Particle Size	% Passing Sieve
#4	4.75 mm	100%
#50	0.30 mm	10% - 100%
#100	0.15 mm	0% - 20%
#200	0.075 mm	0% - 5%

- $\bigotimes\,$ 5B General fill material may be placed around the mounded Sand Fill area beyond the setbacks and slopes shown on the plan provided it consists of clean compactable on-site or imported fill with no stones larger than 6 inches.
- \bigotimes 5C Leaching trenches shall be excavated only after placement and compaction of fill.
- \wedge 6 Excavation for the leaching area shall be scheduled so that the infiltrative surface can be covered with stone the same day. The excavation shall be performed only when the soil is dry enough to be suitable (when a handful of soil will mold only under considerable pressure). No work in the leaching area shall be performed when the ground is overly wet, muddy, frozen, or when the temperature is expected to fall below freezing before the work can be backfilled. No overly wet, muddy or frozen material may be used for backfill.
- ' Open excavations in the leaching area, and stockpiles of stone and special arDelta backfills, shall be protected from surface runoff to prevent entrance of silt and debris. Any stone contaminated by fines shall be removed. The sidewalls and bottom of the excavation shall be hand-raked prior to placing stone to remove any smeared or compacted native soil.
- \sim 8A Pipe for gravity distribution laterals shall be Perforated 4" PVC SDR 35 without \bigcirc Rubber O-Ring Joints. One line of perforations shall be rotated to about 5 degrees from vertical to promote proper distribution. Each lateral shall have a 4" PVC end cap (unless venting is specified).
- CAST-IN OUTLET TEE SEE NOTE F \rightarrow Perforations shall be 3/16" Diameter single row placed at 12 o'clock position and 4' on center. Orifices shall be drilled on each lateral per Orifice Spacing Detail. The manifold shall be 1.25" Solid PVC SCH 40 pipe connecting the laterals. Each lateral shall have a end cap with an 3/16" distal orifice at the crown of the cap for testing and be plugged after testing.
 - \otimes 9 Backfill over the building sewer trenches between the septic tank, distribution box, and head of leaching trenches shall be mounded 6" to allow for settlement. The Contractor shall drive a steel "re-bar" into the ground 6" below finished grade at the ends of each trench, distribution box, bends in pipe, etc. to allow for magnetic location. The Contractor shall also provide the Engineer with a marked-up copy of the plan showing as-built pipe locations, dimensions, depths, pipe lengths, and tie measurements from permanent landmarks to the septic tank cleanout covers, the distribution box cover, the four outside corners of the leaching area, and other features.
 - \bigotimes 10 The system shall not be covered until inspected and approved by both the Health Agent and the Engineer.
 - $\langle X \rangle$ 11 Contractor is to verify location of existing sewer invert out prior to any work and report to engineer.
 - $\langle X \rangle$ 12 The locations and information about underground pipes, utilities, and other structures are compiled from available record data and visible field evidence and are not represented as being exact or complete. Prior to excavation the contractor shall contact Dig Safe, local public works department and any other private utility companies for field location of facilities.

		7/19/22	ISSUED FOR WPA NOI ONLY	JTA/SAM	
	NO.	DATE	REVISION/ISSUE	BY	
ſ	SHEET	T TITLE		PROJECT NO.	
	PROPOSED SITE PLAN		E2986		
			SCALE		
				AS NOTED	
				DATE	
·				01/12/22	
PRC		KENNETH BOUDREAU		DESIGNED BY	
	177 E Shore Road		AZM		
			CHECKED BY		
			Becket, MA.		
	_			SHEET NO.	
	F	FORES	SIGHT ENGINEERING		
	L	AND SE	RVICES	<i>SP-1</i>	
	=				
	FORESIGHT LAND SERVICES, INC. 1496 West Housatonic Street - Pittsfield, MA 01201			CADFILE NO:	
		TEL: (413)	499-1560 Fax: (413) 499-3307 WWW.FORESIGHTLAND.COM	E2986D01_ARC36	