

A-1801 HIP ZABEL FILTER CLEAN SAND MEETING 20" C.I. M.H. cover to finish grade secured to prevent unauthorized acc 310 CMR 15.255(3) note: risers & covers shall be watertight & waterproof (2) 20" M.H. covers within 6" of finish grade TOP OF FOUNDATION F.G. = 104.0' + / -F.G.=103.6' +/ COUNTY RD. Underground Septic Tanks & Pump Chambers TOP SECTION VIEW **CROSS SECTION DETAIL** 1.) Tanks shall be structurally sound and to withstand the Sch. 40 p.v.c. 4" CAPPED ACCESS PORTS (NOT TO SCALE/PARTIAL VIEW) WITH 1"W x6"L SLOT (TYP) 101.75\_ THIS SYSTEM IS DESIGNED WITHOUT SPACING BETWEEN TO WITHIN 3" OF FINISH GRADE 2.) Tanks shall be watertight and waterproof. 4" POLYSEAL INTLET 3.) Tanks shall be pre cast concrete, or approved equivalent ADS-ARC36-HD. LEACHING CHAMBERS DETAIL 100.5Z/ Manufacturers of septic tanks shall implement a quality control/ quality assurance program in conformity with ASTM standard C-1227-93. Tanks shall be embossed 5" Crushed Stone On Compacted Base MAPLE ST. with a seal stating that this ASTM standard has been 10'=6" L x 5'-8" W met. Tanks not embossed with a seal shall be rejected Proposed 1500 Gal. Tanks shall be accessible for inspection and maintain-SIDE SECTION VIEW ance. No structures shall be located directly upon, Section Thru System above, or near the tanks which may interfere with per-Precast Concrete Septic Tank Brale: 1 "=2,083" DISTRIBUTION BOX DETAIL formance, access, inspection, and pumping or repair. Inlet and outlet tees shall be of cast iron, schedule 40 (5 OUTLET) pvc, or approved equal. (NOT TO SCALE) Proposed Flow Line Grades Septic tanks shall be provided with at least three (3) 20" diameter manholes. Manholes shall be at the 102.00 INV. AT FOUNDATION center and over each inlet and outlet tee. For compartment tanks, the center manhole shall be the access to 101.75 INV. INTO SEPTIC TANK the compartment connection. System designs in excess of 1,000 GPD, all manholes shall be made accessible. 101.75 For system designs of 1,000 GPD or less at least one INV. OUT OF SEPTIC TANK manhole shall be made accessible. If applicable provide 101.50 INV. INTO DISTRIBUTION BOX watertight access port (risers), precast concrete or equivalent, with steps where appropriate. Manhole covers 100.67 INV. OUT OF DISTRIBUTION BOX shall be removable, and of impermeable and durable material. Covers shall be within six inches of finished INV. INTO CHAMBER BED grade and shall be secured to prevent unauthorized 99.67 BOTTOM OF CHAMBER BED FLOOD ZONE TAKEN 8.) INSTALLATION: BORDERING VEGETATED WETLANDS 94.33 FROM F.E.M.A. WATER TABLE A) Tanks shall be installed true to grade on a level stable DELINEATED BY E.C.R. JAN 10, 2022 FIRM MAP 2023C03313 MOTTLES TEST PIT #3 base that has been mechanically compacted, and on which EFECTIVE 7/17/2012 six inches of crushed stone has been placed to ensure ON THE CONTOUR (TYP.) stability and to prevent settling. Septic tank shall have a minimum of nine inches of cover. EROSION CONTROL DEVICES ARE TO BE PLACED PRIOR TO CONSTRUCTION AND ARE TO REMAIN IN PLACE UNTIL ALL B) The inlet and outlet tees shall be installed to the grades shown on the drawings. The tees shall extend a minimum of T.P. T.P. 2 CONSTRUCTION IS COMPLETED AND NEW SLOPES HAVE BEEN six inches above the flow line of the septic tank and shall LOT 7-2-27 be on the center line of the septic tank and located directly 2. EROSION CONTROL DEVICES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES. under the access manholes. Cross-sectional flow baffles shall MELISSA TOFFOLONI not be used as substitutes for inlet or outlet tees. 3. THE EROSION CONTROL DEVICES SHALL BE EMBEDDED IN C) FOR REPAIRS Contractor SHALL when connecting a new ANDREW MCDERMOTT THE SOIL A MINIMUM OF 6". NAIL SET IN 24" PINE ELEV: 101.91 4. SILTATION FENCES SHALL BE SECURELY ANCHORED IN PLACE BY septic tank to an existing sewer line. Verify sewer line is Sch. 40 or C.I. in good condition or it shall be replaced. 26 MAPLE STREET SILT FENCE MED. SAND 2.5Y6/3 Also that: all out flow pipes from building run thru/to PLYMPTON, MASS. 02367 septic tank, and invs. are correct prior to any excavating. All work in conformance with Mass. State Plumbing Code. DESIGN CRITERIA PROP. S.A.S. 5 ROWS OF 5 ADS ARC-36 HD CHAMBERS IN FIELD CONFIGURATION 9.) Unless otherwise noted (UON), the design of this system conforms to the requirements of the Commonwealth Of Massachusetts Environmental Code "Title V", and the 30'L X 14'-4"W X 16"D requirements of the local board of health. 10.) The design of this system did not allow for the use of a garbage disposal. 11.) The septic tank shall be inspected and cleaned in accord. 130.3' with 310 CMR 15.300 and applicable local requirements. BUFFER ZONE DISTURBANCE TABLE 12.) Grease trap; If applicable, shall be inspected every PROPOSED WORK WITHIN 25' SETBACK month, and shall be cleaned every 3 months or when the level of grease is 25% of the effective depth of the PROPOSED WORK BETWEEN 25' & 50' SETBACK 0 S.F. 16,257 S.F. PROPOSED WORK BETWEEN 50' & 100' SETBACK 13.) The design of this system conforms with the following PERC. RESULTS <2\_MIN./INCH minimum distances from the proposed sanitary system Present During Tests On \_\_11/27/18 Agent:\_\_\_\_\_\_ROBERT TINKHAM A.) Surface water supply or gravel packed wells....400 ft. B.) Tubular public wells..... Soil Evaluator: JOE WEBBY JR. C.) Private potable wells... D.) non potable / irrigation wells.... E.) Other sanitary soil absorbtion system...... 10 ft. DESIGN CALCULATIONS 14.) No structures shall be located upon, above, or within PARCEL ID# 7-2-14 20' of the leaching facility. The reserve area (100% expansion) is considered to be the same as the leaching 15.) The top of all system components, including the septic tank, distribution box or dosing chamber and soil absorption system, shall be installed no more than 36" below finish grade. 7-2-29 Leaching Chambers Area 710,310 S.F. (COMBINED TOTAL) Description16.) Leaching chamber shall be an ARC-36 HC. LEACHING chamber or engineer approved equal. 129,075 S.F. (TOTAL UPLANDS) 6/23/21 PROPOSED SANITARY SYSTEM 17.) All installations shall be true to line and grade. 2/15/22 | REVISE WETLANDS FLAGS LOT 7-2-24 18.) All piping shall be PVC SCH. 40 4/26/22 REVISE FOR CON. COM. REVIEW JOHN & PAMELA WOODS 19.) Distribution pipe(s) shall have a minimum diameter of 4" and a minimum slope of 0.01. 30 MAPLE STREET PLYMPTON, MASS. 02367 20.) All unsuitable material including top soil and sub soil shall be removed as follows: , and a distance of Remove soils to elevation ft. in all directions of the designated leaching 21.) Removed soils shall be replaced with clean sand, MAP 4 LOT 1-1 meeting the requirements of 310 CMR 15.255(3). PLYMPTONFULLL PLAN VIEW MANSUR NESSRALIA
56 MAIN ST.
PLYMPTON MA TOWN: ISOLATED VEGETATED WETLANDS Inspection Schedule DELINEATED BY E.C.R. JAN. 10, 2022 MAPLE STREET LOCATION 23.) To obtain the board of health certification, confirmation CONVENTIONAL SYSTEM of the proper installation is required. LAYOUT 20'X30' LEACHING a.) After Excavation of unsuitable material PREPARED FOR: VERNAL POOL PONDING— (BY ARTHUR ALLEN) FIELD = 600 S.F.APPLICANT/CONTRACTOR b.) Placement of the clean back fill Meeting 310 CMR 15.255(3) SHALL CUT BACK TREES BORDETING VICILATED WEILANDS DELINEATED BY ECO. OUT 2018 SCALE: 1" = 40'PRIMARY S.A.S. RESERVE AREA WITHIN THE EX. CARTPATH c.) Installation of the system with all components AND REGRADE THE SURFACE exposed for inspection and preparation of AS NECESSARY TO IMPROVE CONSTUCTION ACCESS BUT SHAL d.) When existing ground elevations are changed a finished ground elev. "asbuilt" shall be required NOT EXCEED THE LIMITS OF INSTALLED ALONG >
THE EDGE OF THE
EX. CARTPATH > THE EXISTING ACCESS WAY PARCEL ID# 7-2-29 prior to certificate of compliance being issued. NOTES: Utility Notes 24.) The location of utilities are approximate only. Dig-Safe and other appropriate authorities shall be notified to ) LOCUS DOES NOT LIE IN A ZONE II WELL PROTECTION ZONE. verify actual locations, prior to any excavating. Relocate if / as required. BUT IS SERVICED BY A PRIVATE WELL. 2) LOCUS DOES NOT LIE IN A FLOOD HAZARD ZONE AS DETERMINED BY THE FIRM MAPS OR THE TOWN OF PLYMPTON ZONING MAP BORDERING VENETATED WELLINGS DELINEATED BY E.C.R. OCT 2018 3) THERE ARE NO WETLANDS, STREAMS, SURFACE OR SUBSURFACE DRAINS WITHIN 100' OF THE PROPODED SYSTEM. STREET 4) THERE ARE NO KNOWN POTABLE WELLS WITHIN 200 FEET OF THE SOILS ABSORPTION SYSTEM, EXCEPT AS SHOWN. MAPLE 5) THERE ARE NO ABUTTING FOUNDATIONS WITHIN 25' OF THE PROPOSED SOILS ABSORPTION SYSTEM. 6) THERE ARE NO KNOWN EASEMENTS WITHIN PROXIMITY OF THE SOILS ABSORPTION SYSTEM.

