

GENERAL NOTES

1. THIS DESIGN PLAN IS INTENDED FOR THE SOLE PURPOSE OF CONSTRUCTION OF THE SEWAGE DISPOSAL SYSTEM ONLY. ADDITIONAL TOWN AND STATE REGULATIONS MAY BE APPLICABLE TO THIS PROJECT INCLUDING BUT NOT LIMITED TO ZONING AND WETLANDS.
2. SITE PLAN BASED ON EXISTING CONDITIONS. ALTHOUGH CARE HAS BEEN TAKEN TO DETERMINE SUBSURFACE CONDITIONS, THIS PLAN MAY NOT SHOW ALL UTILITIES, BEDROCK, BURIED DEBRIS OR OTHER SUBSURFACE ITEMS THAT MAY BE ENCOUNTERED DURING EXCAVATION. THE CONTRACTOR SHALL INFORM THE DESIGNING ENGINEER UPON ENCOUNTERING SUCH DISCREPANCIES.
3. PROPERTY BOUNDARIES SHOWN ARE THE RESULT OF A SITE PLAN SURVEY ON 8/26/13. PROPERTY LINES BASED ON MAP B OF LONG LAKE RECORDED AT MIDDLESEX SO REGISTRY OF DEEDS AS PLAN 27 IN BOOK 362.
4. THE SEPTIC TANK SHALL BE PUMPED WHEN THE SLUDGE DEPTH IS WITHIN 12" OF THE BOTTOM OF THE OUTLET TEE WHEN THE TOP OF THE SCUM LEVEL IS WITH 2" OF THE TOP OF THE OUTLET TEE OR 2" OF THE BOTTOM OF THE OUTLET TEE (310 CMR 15.340) ABOUT EVERY 2 YEARS OR WHEN REQUIRED BY THE LOCAL BOARD OF HEALTH.
5. ANY SITE WORK WITHIN 100' OF A WETLAND IS SUBJECT TO REGULATION UNDER THE WETLANDS PROTECTION ACT, AND REQUIRES FILING WITH THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE LOCAL CONSERVATION COMMISSION.
6. ALL KNOWN DRINKING WATER WELLS WITHIN 200 FEET OF THE PROPOSED SEWAGE DISPOSAL SYSTEM ARE SHOWN OR INDICATED.
7. THE PROPOSED SEWAGE DISPOSAL SYSTEM IS NOT DESIGNED FOR THE USE OF A GARBAGE GRINDER.
8. THE PROPOSED SEWAGE DISPOSAL SYSTEM IS INTENDED FOR TREATMENT OF SANITARY SEWAGE PRODUCED BY SINGLE FAMILY DWELLING UNITS ONLY. WATER TREATMENT DISCHARGES SUCH AS WATER SOFTENERS SHALL BE DISCHARGED TO A SEPARATE DRYWELL.
9. THERE ARE NO WATER SUPPLIES OR TRIBUTARIES THERETO LOCATED WITHIN 400' OF THE PROPOSED SYSTEM (SOURCE DEP WSPA)

LEGEND

CB
WC
UP
OHW
-202
-200
BM
W
D

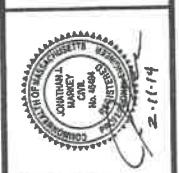
EXISTING CATCH BASIN
EXISTING FIRE HYDRANT
EXISTING WATER GATE
EXISTING OVERHEAD WIRES
EXISTING 2' CONTOUR
EXISTING 10' CONTOUR
EXISTING BENCHMARK
EXISTING STONE WALL
EXISTING TREE LINE
EXISTING STORM DRAIN

#35



LOCUS MAP
NO SCALE

REVISION	COMMENT
DATE	DATE
1/17/14	
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SUBSURFACE SEWAGE
DISPOSAL DESIGN
SITE PLAN
35 QUEEN ROAD
LITTLETON, MASSACHUSETTS

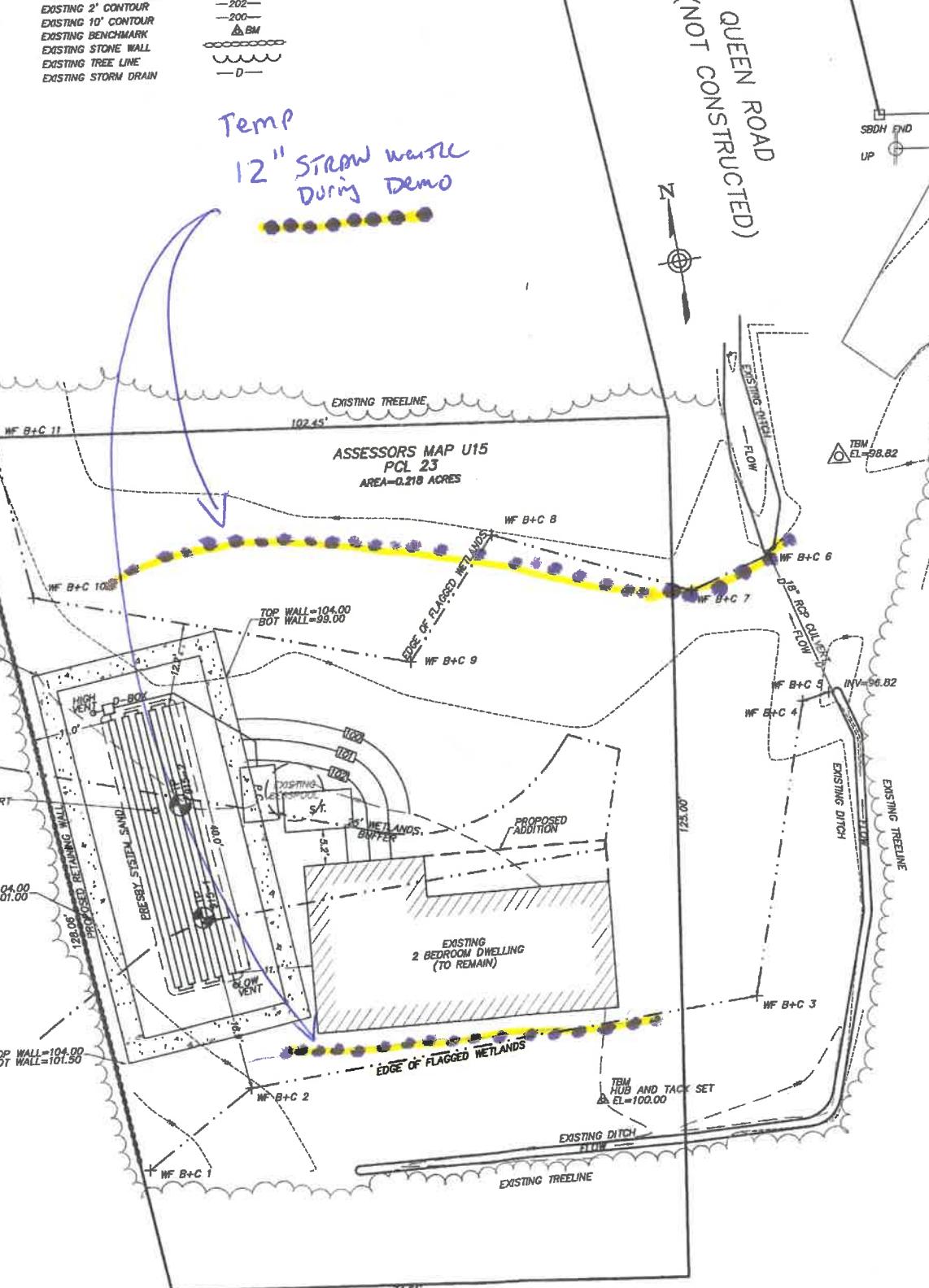
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SHEET 1 OF 2



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TITLE V VARIANCE REQUESTS

THE FOLLOWING VARIANCES TO THE STATE ENVIRONMENTAL CODE ARE REQUIRED FOR THIS DESIGN, WHICH ARE REQUESTED IN COMPLIANCE WITH SECTION 310 CMR 15.405 LOCAL UPGRADE APPROVAL:

15.405(1)b. CELLAR WALL SETBACK. A REDUCTION FROM THE REQUIRED 20' SETBACK TO 10' FOR THE LEACHING FACILITY TO THE FOUNDATION WALL IS REQUESTED FOR THIS DESIGN.

15.405(1)b. CELLAR WALL SETBACK. A REDUCTION FROM THE REQUIRED 10' SETBACK TO 5' FOR THE SEPTIC TANK AND PUMP CHAMBER ARE REQUESTED FOR THIS DESIGN.

15.405(1)c. 25% REDUCTION IN SYSTEM SIZE. A REDUCTION IN REQUIRED LEACHING AREA SIZE OF 25% IS REQUESTED FOR THE TITLE V PROOF PLAN (PART OF PRESBY DESIGN) TO SHOW ADEQUATE AREA FOR CONVENTIONAL SYSTEM.

15.405(1)e. REDUCTION OF SYSTEM LOCATION SETBACKS FROM BORDERING VEGETATED WETLANDS FOR THE LEACHING FACILITY FROM 50 FEET TO 0 FEET AND FOR THE SEPTIC TANK AND LEACHING CHAMBER FROM 25 FEET TO 12 FEET.

15.405(1)h. 4' GROUNDWATER SEPARATION. A REDUCTION IN THE REQUIRED 4' OFFSET TO 2' OFFSET TO GROUNDWATER IS REQUESTED FOR THIS DESIGN.

15.405(j). PERCOLATION TESTING. A VARIANCE IS REQUESTED TO ALLOW THE USE OF DEP'S POLICY FOR TITLE V ALTERNATIVE TO PERCOLATION TESTING. THE EXISTING SOIL ON SITE IS SATURATED, AND IT IS NOT POSSIBLE TO PERFORM A Dewatered PERCOLATION ON SITE DUE TO LACK OF AVAILABLE AREA.

LOCAL REGULATION VARIANCE REQUESTS

THE FOLLOWING VARIANCE TO THE LITTLETON BOARD OF HEALTH REGULATIONS REQUIREMENTS FOR THE SUBSURFACE DISPOSAL OF SANITARY SEWAGE ARE REQUIRED FOR THIS DESIGN:

REGULATION 27. FILL REQUIREMENTS. REQUIRES NO FILL OF A FILL REQUIREMENT FOR SEWAGE DISPOSAL SYSTEMS SHALL BE WITHIN 10 FEET OF A PROPERTY LINE. A VARIANCE IS REQUESTED TO ALLOW THE CONSTRUCTION OF A RETAINING WALL WITHIN 1 FOOT OF THE PROPERTY LINE FOR SYSTEM BREAKOUT GRADING. A BARRIER NOTIFICATION IS REQUIRED FOR THIS VARIANCE UNDER SECTION 23C.

PRESBY SYSTEM NOTES

1. THE SYSTEM SAND REQUIRED FOR THE PRESBY PIPE IS REQUIRED 6" ABOVE AND BELOW THE PRESBY PIPES, AND EXTENDS 1' HORIZONTALLY IN ALL DIRECTIONS. THE SYSTEM SAND SHALL BE COMPRISED OF ASTM C-33 SAND.
2. MASS DEP AND PRESBY ENVIRONMENTAL REQUIRE DESIGNERS AND INSTALLERS TO BE CERTIFIED BY PRESBY ENVIRONMENTAL OR ITS SANCTIONED REPRESENTATIVES.
3. PRIOR TO INSTALLATION, THE INSTALLER SHALL FURNISH A COPY OF THEIR PRESBY CERTIFICATE TO BOTH THE ENGINEER AND THE BOARD OF HEALTH.
4. PRIOR TO THE ISSUANCE OF A CERTIFICATE OF COMPLIANCE, THE OWNER OF THE SYSTEM SHALL FILE A NOTICE DISCLOSING BOTH THE EXISTENCE OF THE ALTERNATIVE SYSTEM AND THE DEP APPROVAL AT THE REGISTRY OF DEEDS.

GRAPHIC SCALE

SCALE: 1"-10'
0 5 10 20 30 FEET
0 2.5 5 10 METERS