

# GENERAL NOTES

## 1. REGULATIONS

- A. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE COMMONWEALTH OF MASSACHUSETTS REGULATIONS GOVERNING THE INSTALLATION OF SUBSURFACE SEWAGE DISPOSAL SYSTEMS, AS PUBLISHED IN THE CODE OF MASSACHUSETTS REGULATIONS AND REFERRED TO AS "TITLE 5."
- B. ALL WORK SHALL BE IN ACCORDANCE WITH THE REGULATIONS OF AND INSPECTED/APPROVED BY THE BOARD OF HEALTH OF THE TOWNS OF STOW AND ACTON.

## 2. MATERIALS

- A. THE PRECAST CONCRETE SEPTIC TANK AND DISTRIBUTION BOX SHALL BE 4,000 PSI CONCRETE AS MANUFACTURED BY WACHUSETT PRECAST OR BETTER.
- B. ALL PIPING AND JOINTS OUTSIDE THE LEACHING AREA SHALL BE WATERTIGHT. PIPING SHALL BE SCHEDULE 40 P.V.C. (ASTM F 2665) OR AS SHOWN.
- C. FILTER MEDIA SHALL CONSIST OF WASHED STONE RANGING FROM 3/4 TO 1 1/2 INCHES IN SIZE AND SHALL BE FREE OF IRONS, FINES AND DUST, IN PLACE. IT SHALL EXTEND THE FULL WIDTH OF THE TRENCH, SHALL NOT BE LESS THAN (6") BELOW THE BOTTOM OF THE DISTRIBUTION PIPES AND SHALL EXTEND TO THE TOP OF THE DISTRIBUTION PIPES. THE STONE SHALL BE COVERED WITH AT LEAST A 2" LAYER OF WASHED STONE RANGING FROM 1/8 TO 1/2 INCH IN SIZE AND SHALL BE FREE OF IRONS, FINES AND DUST, IN PLACE. ALL STONE MUST HAVE LESS THAN 0.2 PERCENT MATERIAL FINER THAN A NUMBER 200 SIEVE AS DETERMINED BY AASHO TEST METHODS T-11 AND T-27 (LATEST EDITION).

NOTE: ALL STONE USED AS FILTER MEDIA SHALL BE DOUBLE WASHED STONE IN ACCORDANCE WITH 310 CMR 15.247.

## 3. EXCAVATION

- A. EXCAVATION EQUIPMENT SHALL NOT BE DRIVEN OVER THE EXCAVATION AND SHALL STRADDLE THE EXCAVATION THROUGHOUT CONSTRUCTION.
- B. THE BOTTOM OF THE EXCAVATION SHALL BE LEVEL THE ENTIRE LENGTH. BOTTOM AND SIDEWALLS SHALL HAVE A ROUGH OPEN SURFACE. ANY SMEARED AND COMPACTED SURFACES SHALL BE REMOVED WITH CARE.
- C. THE EXCAVATION SHALL BE COMPLETED IN ONE DAY AND SHALL NOT BE LEFT EXPOSED OVERNIGHT OR DURING PERIODS OF RAINFALL.
- D. ANY UNSUITABLE MATERIAL UNCOVERED IN THE EXCAVATION SHALL BE REMOVED AND BE REPLACED WITH MATERIAL IN CONFORMANCE WITH 310 CMR 15.255(3). THE SUPPLIER SHALL PROVIDE WRITTEN CERTIFICATION OF THE FILL MATERIAL.

## 4. BACKFILLING

- A. ALL STONE USED AS FILTER MEDIA SHALL BE INSTALLED USING A BACKHOE OR FRONT-END LOADER AND SHALL NOT BE DUMPED INTO THE SAS AREA FROM TRUCKS.
- B. BACKFILL MATERIAL SHALL BE MOUNDED ABOVE NATURAL GRADE TO ALLOW FOR SETTLING AND TO CHANNEL RUNOFF AWAY FROM SYSTEM.

## 5. LOAM & SEED

- A. A MINIMUM LOAM COVER OF 4" SHALL BE SPREAD TO THE FINISHED GRADES SHOWN ON PLANS.
- B. SEEDING SHALL BE DONE FOLLOWING SPREADING, RAKING AND ROLLING OF LOAM.
- C. EROSION CONTROL SHALL BE PROVIDED BY STRAW WATTLES & SILT FENCE.

## 6. COMPLIANCE & CHANGES

- A. NO VARIATIONS FROM THIS PLAN SHALL BE MADE WITHOUT WRITTEN DIRECTION FROM THE ENGINEER.
- B. ALL SYSTEM ELEVATIONS ARE BASED ON THE PROPOSED SITE GRADING PLAN AND THE FIRST FLOOR ELEVATION OF THE STRUCTURE. ANY ALTERATIONS OF THESE ELEVATIONS MUST BE APPROVED BY THE ENGINEER, AND REVISIONS TO THE DISPOSAL SYSTEM DESIGN SHALL NOT BE MADE UNTIL THE ENGINEER HAS APPROVED SAID REVISIONS AND/OR ELEVATIONS.
- C. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLAN AND ACTUAL SITE CONDITIONS, SHOULD THEY EXIST, BEFORE INSTALLATION OF THE SYSTEM.
- D. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE TOWN AT LEAST 48 HRS. IN ADVANCE FOR THE FOLLOWING REQUIRED INSPECTIONS:
  - 1. UPON COMPLETION OF EXCAVATION;
  - 2. AFTER ALL STRUCTURES, STONE & PIPES ARE IN PLACE & BEFORE BACKFILL OF ANY COMPONENT; AND
  - 3. AFTER FINAL GRADING.

APPLICANT: DG CUSTOM HOMES, LLC  
1 ACTON COURT  
MAYNARD, MA. 01754

SEWAGE DISPOSAL SYSTEM  
337 WEST ACTON ROAD  
STOW, MASSACHUSETTS

SCALE: 1"=20' DATE: OCTOBER 17, 2014

**LAKEVIEW ENGINEERING ASSOCIATES**

CIVIL ENGINEERING & ENVIRONMENTAL PERMITTING  
P. O. BOX 787, HUDSON, MASSACHUSETTS  
PH: (508) 232-8302 / FAX: (978) 562-5183

DESIGNED BY S.E.P.	DRAWN BY S.E.P.	CHECKED BY E.T.T.G.
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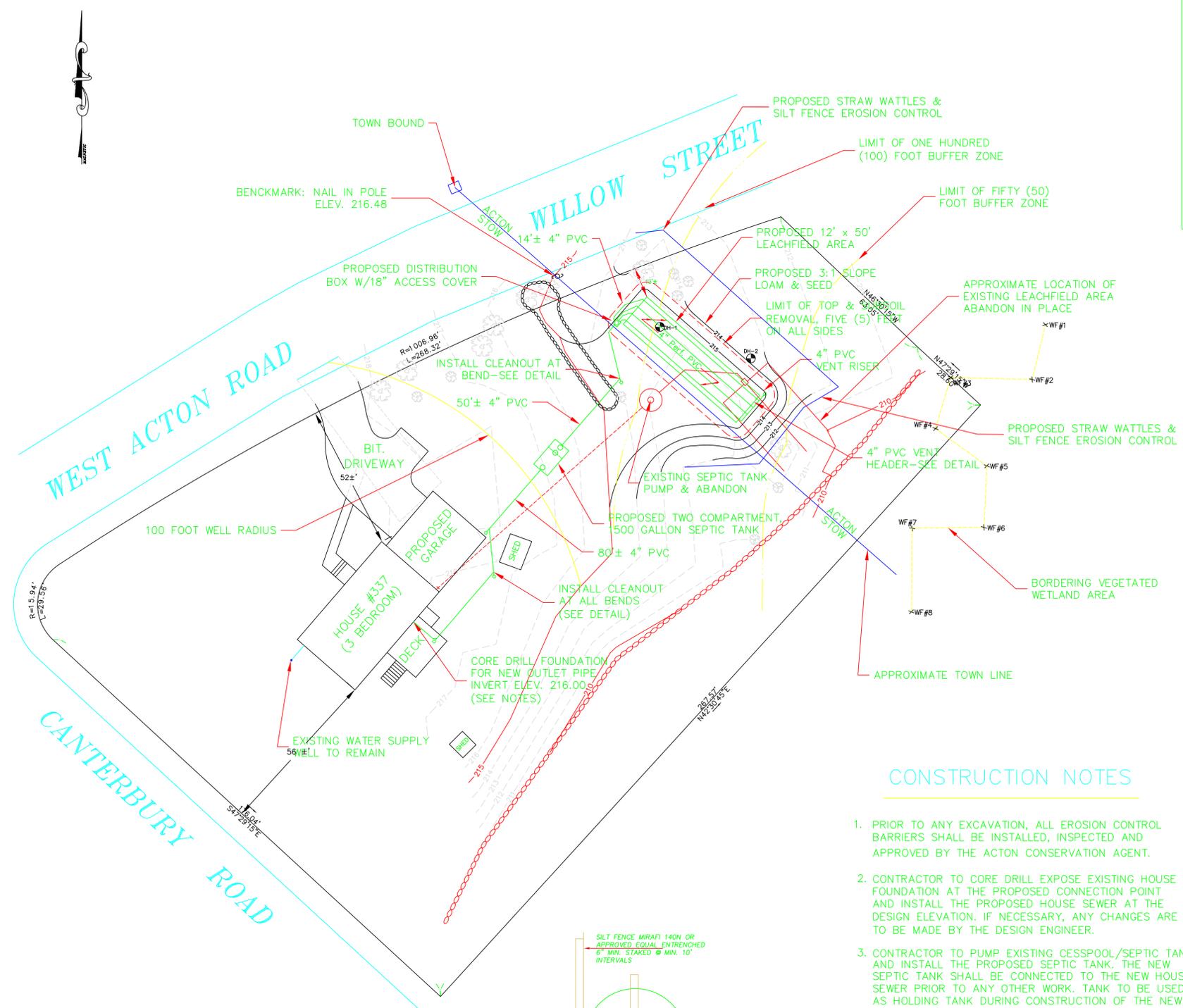
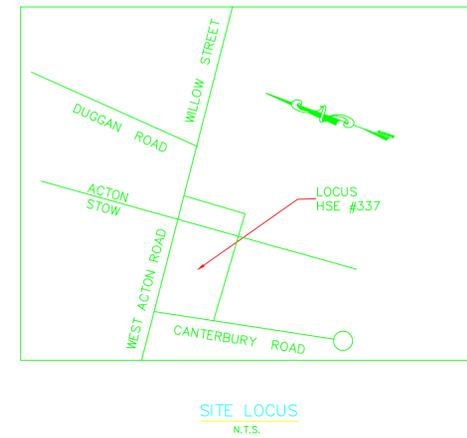
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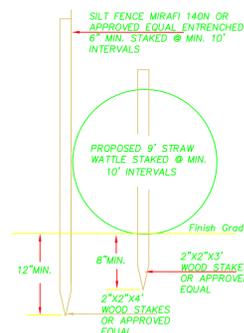
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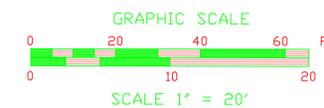


## CONSTRUCTION NOTES

1. PRIOR TO ANY EXCAVATION, ALL EROSION CONTROL BARRIERS SHALL BE INSTALLED, INSPECTED AND APPROVED BY THE ACTON CONSERVATION AGENT.
2. CONTRACTOR TO CORE DRILL EXPOSE EXISTING HOUSE FOUNDATION AT THE PROPOSED CONNECTION POINT AND INSTALL THE PROPOSED HOUSE SEWER AT THE DESIGN ELEVATION. IF NECESSARY, ANY CHANGES ARE TO BE MADE BY THE DESIGN ENGINEER.
3. CONTRACTOR TO PUMP EXISTING CESSPOOL/SEPTIC TANK AND INSTALL THE PROPOSED SEPTIC TANK. THE NEW SEPTIC TANK SHALL BE CONNECTED TO THE NEW HOUSE SEWER PRIOR TO ANY OTHER WORK. TANK TO BE USED AS HOLDING TANK DURING CONSTRUCTION OF THE NEW SAS AREA CONSTRUCTION. PUMP AS NEEDED TO MAINTAIN SERVICE TO HOUSE.
4. AFTER INSTALLATION OF THE NEW TANK, CONTRACTOR TO EXCAVATE THE EXISTING SAS AREA WITHIN THE LIMITS OF THE "STRIPOUT AREA." BACKFILL EXCAVATION WITH APPROVED SEPTIC GRAVEL. ABANDON REMAINDER OF SAS AREA IN PLACE.
5. AFTER EXCAVATION OF EXISTING SAS AREA, CONTRACTOR TO EXCAVATE REMAINDER OF "STRIPOUT AREA" AND CONSTRUCT THE PROPOSED SAS AREA AND CONNECT TO THE NEW SEPTIC TANK. AFTER COMPLETION, CONTRACTOR TO BACKFILL AREA TO GRADES SHOWN AND LOAM & SEED THE AREA.
6. CONTRACTOR TO RESTORE ALL DISTURBED AREAS WITHIN THE YARD. LOAM & SEED WITH A SUN/SHADE GRASS SEED MIX.



STRAW WATTLE & SILT FENCE DETAIL  
N.T.S.



OWNER OF RECORD  
DG CUSTOM HOMES, LLC

ASSESSORS REFERENCE  
STOW - MAP R-20, PARCEL 23  
ACTON - MAP G-1, PARCEL 314

NOTE: PROPERTY LINES SHOWN ARE NOT TO BE USED FOR ZONING OR BUILDING PERMIT PURPOSES

NOTE: ALL UNDERGROUND UTILITY LOCATIONS AND ELEVATIONS ARE APPROXIMATE AND MUST BE VERIFIED AT TIME OF CONSTRUCTION.  
CALL DIG SAFE: 1-888-344-7233