

**Monday, January 11, 2010**

**Acton Conservation Commission**  
**Chairperson Terry Maitland**  
472 Main St.  
Acton, MA 01720

**Re: 67 Central Street – Septic Repair**

Dear Chairperson Maitland:

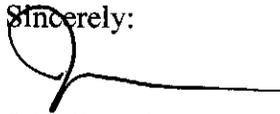
Please find enclosed a *WPA Form 1 – Request for Determination of Applicability* for 67 Central Street in Acton. The site is an existing home on a 15,000sq.ft.± lot with a failed septic system.

Currently the failed leaching facility is approximately fifty (50') feet from an offsite bordering vegetated wetland. We are proposing to replace the existing system with a new leaching facility, which will be located approximately ninety-five (95') to one hundred (100') feet from the edge of the wetlands. This will require an additional septic tank and pump chamber be installed in the lawn area behind the house, approximately forty (40') feet from the edge of wetlands. Erosion control barriers are proposed at the edge of lawn and are to serve as the limit of work.

It is our opinion that this work is within a buffer zone but will not alter an area subject to the Wetlands Protection Act and therefore is eligible for a Negative (3) Determination.

I look forward to discussing the project with the Commission at an upcoming meeting. If you require any additional information please do not hesitate to contact me.

Sincerely:



John Boardman P.E.

Cc MADEP Central Region  
627 Main Street  
Worcester, Massachusetts 01608

**John Boardman P.E. - Cost Effective Civil Engineering Solutions**  
978-422-9096 - [johneboardman@gmail.com](mailto:johneboardman@gmail.com)  
Low Impact Development - Stormwater Management - Site Plan & Subdivision Design  
Septic System Inspection & Design - Soil Evaluations  
Construction Inspections - Municipal Plan Reviews



# WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

## A. General Information

**Important:**  
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Applicant:

Amy Brogna  
Name \_\_\_\_\_ E-Mail Address \_\_\_\_\_  
67 Central Street  
Mailing Address \_\_\_\_\_  
Acton MA 01720  
City/Town State Zip Code  
\_\_\_\_\_  
Phone Number Fax Number (if applicable) \_\_\_\_\_

2. Representative (if any):

John Boardman P.E.  
Firm Contact Name E-Mail Address johneboardman@gmail.com  
16 Muddy Pond Road  
Mailing Address \_\_\_\_\_  
Sterling MA 01564  
City/Town State Zip Code  
978-590-9970  
Phone Number Fax Number (if applicable) \_\_\_\_\_

## B. Determinations

1. I request the Acton Conservation Commission make the following determination(s). Check any that apply:

- a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
- b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance** or **bylaw** of:

\_\_\_\_\_  
Name of Municipality

- e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).



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## C. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

67 Central Street	Acton
Street Address	City/Town
G-2	190
Assessors Map/Plat Number	Parcel/Lot Number

- b. Area Description (use additional paper, if necessary):

The project site is an existing residential home.

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- c. Plan and/or Map Reference(s):

Repair Sewage Disposal Plan - 67 Central Street, Acton MA	1/5/2010
Title	Date
_____	_____
Title	Date
_____	_____
Title	Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

The project is the replacement of a failed septic system. The proposed septic tank and pump chamber will be 40'± from the offsite BVW and the proposed leaching facility will be 95-100'± away from the offsite BVW. All work is proposed in areas that are currently landscaped or lawn. Erosion control is shown on the plans at the edge of the existing lawn.

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## WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

### C. Project Description (cont.)

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

The proposed work is within the buffer zone but, as proposed, will not alter an area subject to protection under the Act.

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- Single family house on a lot recorded on or before 8/1/96
- Single family house on a lot recorded after 8/1/96
- Expansion of an existing structure on a lot recorded after 8/1/96
- Project, other than a single family house or public project, where the applicant owned the lot before 8/7/96
- New agriculture or aquaculture project
- Public project where funds were appropriated prior to 8/7/96
- Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- Residential subdivision; institutional, industrial, or commercial project
- Municipal project
- District, county, state, or federal government project
- Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

Acton  
City/Town

**WPA Form 1- Request for Determination of Applicability**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**D. Signatures and Submittal Requirements**

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

Amy Brogne

Name

67 Central Street

Mailing Address

Acton

City/Town

Ma

State

01564

Zip Code

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

Signature of Applicant

*[Handwritten Signature]*

Date

1/11/10

Signature of Representative (if any)

*[Handwritten Signature]* John B. ...

Date

1/12/10

**Andrea Ristine**

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**From:** john boardman [johneboardman@gmail.com]  
**Sent:** Tuesday, January 26, 2010 9:51 AM  
**To:** Natural Resources Department  
**Subject:** 67 central street

Tom

I am writing to waive the 21 day requirement for the RDA filed for 67 Central street to allow the hearing to be held on february 17, 2010.

Thank you  
John

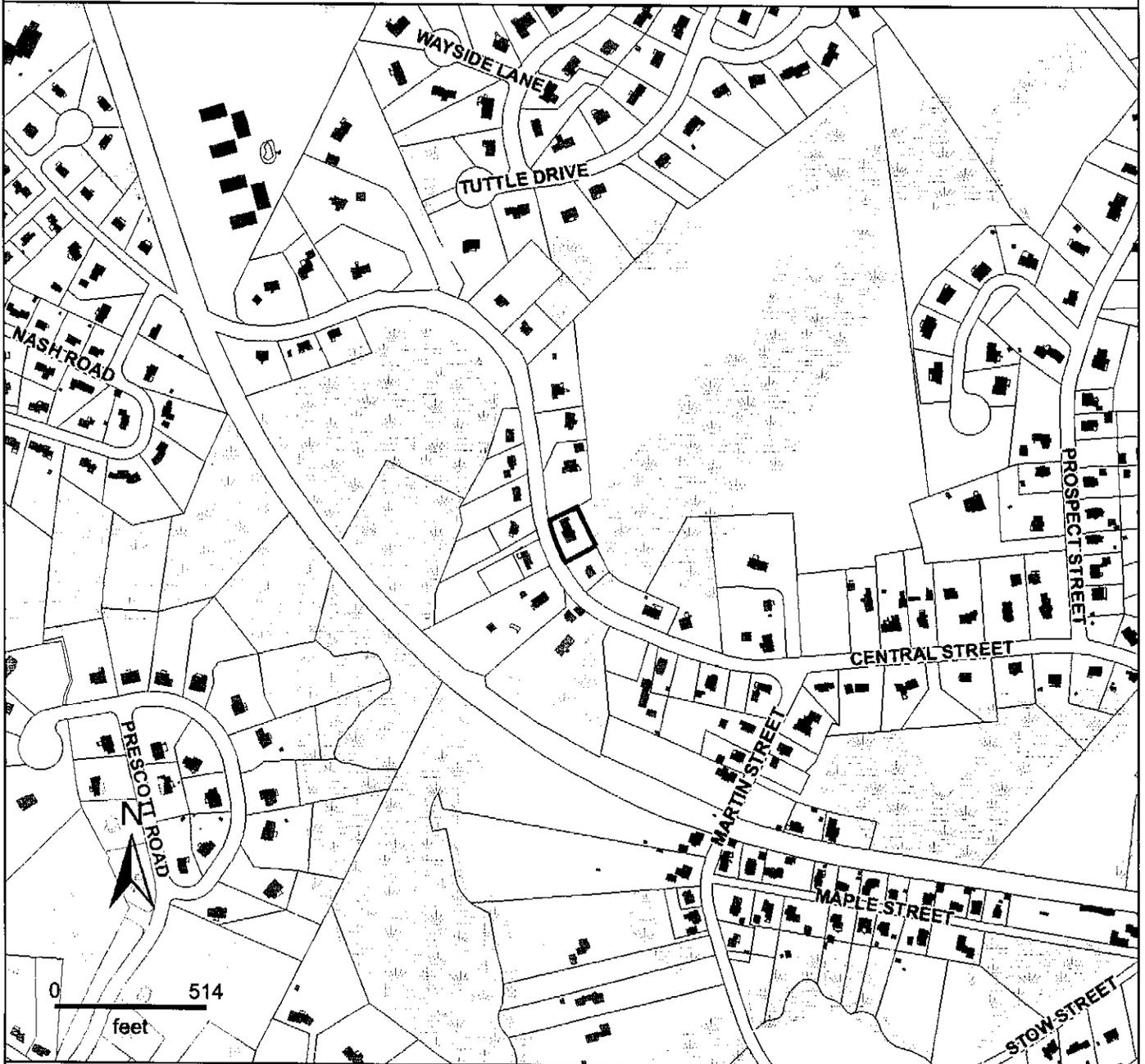
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John Boardman P.E.  
Cost Effective Civil Engineering Solutions

Low Impact Development  
Stormwater Management  
Site Plan & Subdivision Design  
Septic System Inspection & Design  
Soil Evaluations  
Construction Inspections  
Municipal Plan Reviews

Phone: 978-590-9970  
E-mail: [johneboardman@gmail.com](mailto:johneboardman@gmail.com)

67 central street

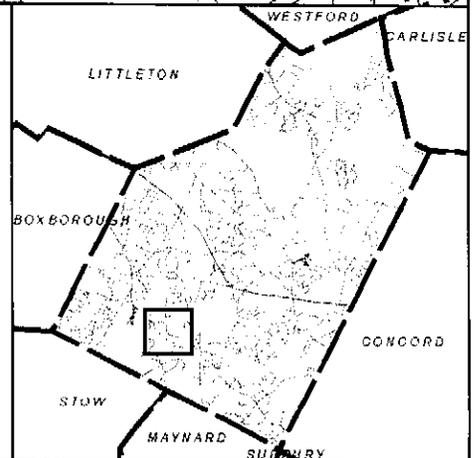


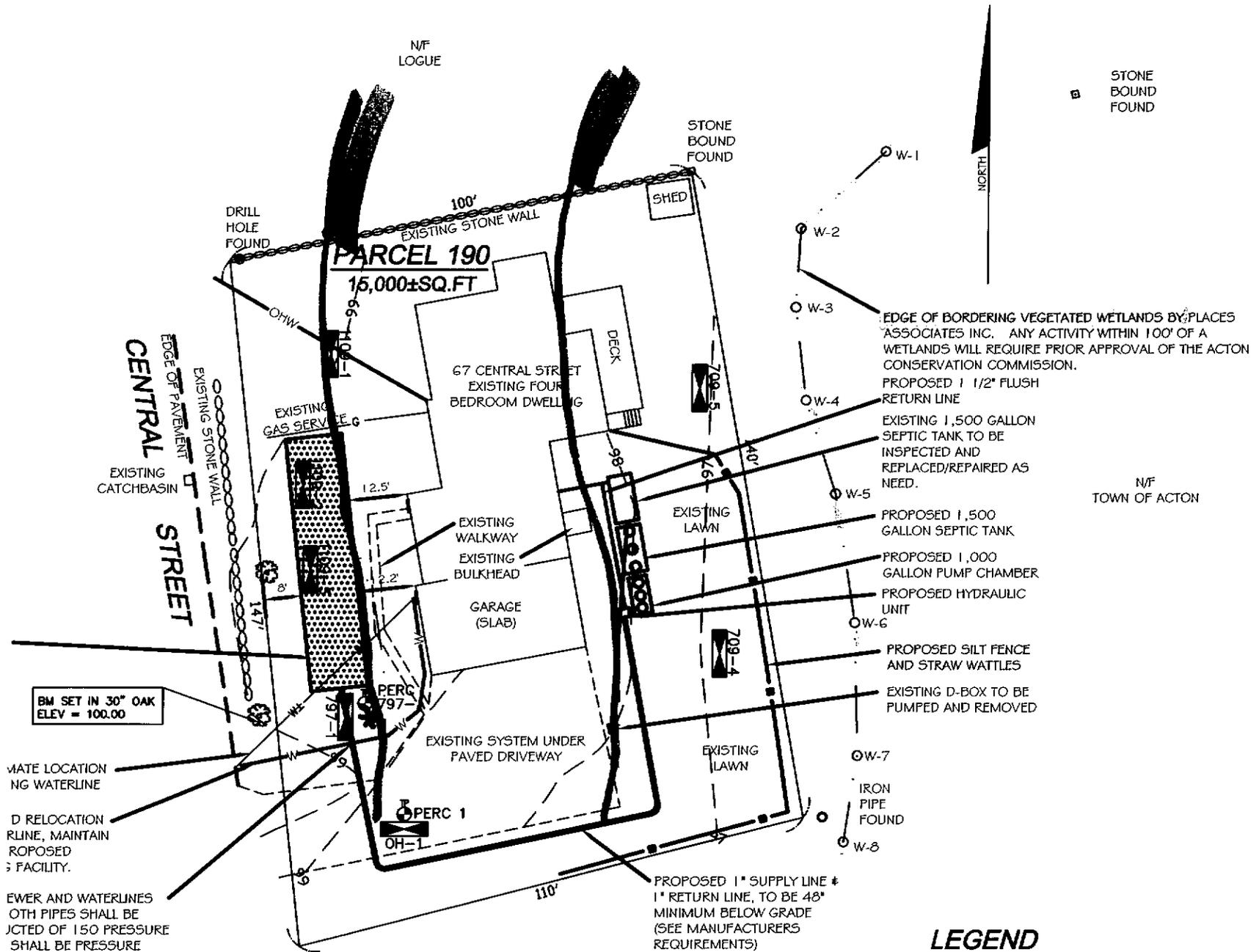
Property Information  
Property ID G2-190  
Location 67 CENTRAL ST



MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT

This data set/map is for planning purposes only and should not be used for larger scale analysis. The Town of Acton shall not be held liable for any use of the data or images shown on this map, nor is any warranty of accuracy expressed. All uses of this data set/map are subject to field verification.





N/F  
LOGUE

STONE  
BOUND  
FOUND

STONE  
BOUND  
FOUND

NORTH

**PARCEL 190**  
15,000±SQ.FT

67 CENTRAL STREET  
EXISTING FOUR  
BEDROOM DWELLING

EDGE OF PAVEMENT  
CENTRAL  
STREET

EXISTING  
CATCHBASIN

EXISTING  
GAS SERVICE

EXISTING WALKWAY  
EXISTING  
BULKHEAD  
GARAGE  
(SLAB)

EXISTING  
LAWN

EDGE OF BORDERING VEGETATED WETLANDS BY PLACES ASSOCIATES INC. ANY ACTIVITY WITHIN 100' OF A WETLANDS WILL REQUIRE PRIOR APPROVAL OF THE ACTON CONSERVATION COMMISSION.

PROPOSED 1 1/2" FLUSH RETURN LINE

EXISTING 1,500 GALLON SEPTIC TANK TO BE INSPECTED AND REPLACED/REPAIRED AS NEEDED.

N/F  
TOWN OF ACTON

PROPOSED 1,500 GALLON SEPTIC TANK

PROPOSED 1,000 GALLON PUMP CHAMBER

PROPOSED HYDRAULIC UNIT

PROPOSED SILT FENCE AND STRAW WATTLES

EXISTING D-BOX TO BE PUMPED AND REMOVED

W-7

IRON PIPE FOUND

W-8

BM SET IN 30" OAK  
ELEV = 100.00

DATE LOCATION  
NG WATERLINE

D RELOCATION  
RLINE, MAINTAIN  
ROPOSED  
S FACILITY.

EVER AND WATERLINES  
OTH PIPES SHALL BE  
JCTED OF 150 PRESSURE  
SHALL BE PRESSURE  
O ASSURE  
SHTNESS.

N/F  
NAPOLI

PROPOSED 1" SUPPLY LINE &  
1" RETURN LINE, TO BE 48"  
MINIMUM BELOW GRADE  
(SEE MANUFACTURERS  
REQUIREMENTS)

**LEGEND**

EXISTING CONTOUR ——— 99  
PROPOSED CONTOUR ——— 99

APPROXIMATE TREELINE ~~~~~

EXISTING TREE [Symbol]

**PLAN**  
SCALE: 1"=30'

**OWNER:**  
 AMY BROGNA  
 67 CENTRAL STREET  
 ACTON, MA

**SITE:**  
 67 CENTRAL STREET  
 ACTON, MA

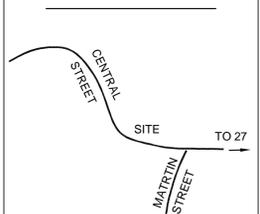
ASSESSORS MAP G-2  
 PARCEL 190

DEED BOOK:27686  
 PAGE: 332

SCALE: 1"=20'  
 SHEET 1 OF 2  
 DATE: 11/9/09  
 REVISED:

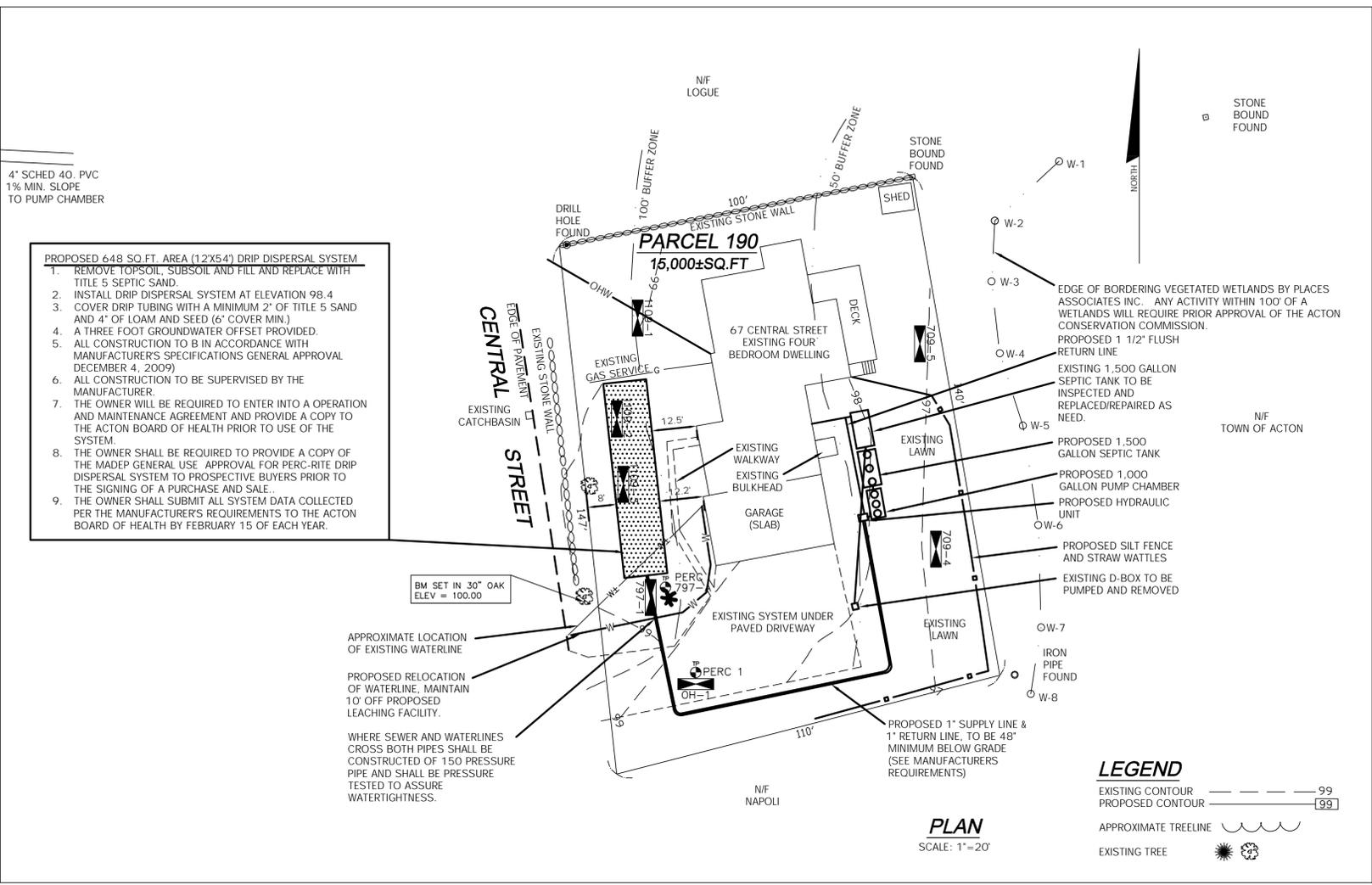


JOHN BOARDMAN P.E.  
 16 MUDDY POND ROAD  
 STERLING MA  
 01564  
 978-590-9970



LOCUS MAP - N.T.S.

**R.M. RATTA CO.**  
 81A WESTFORD ROAD  
 AYER MA, 01453  
 978-772-1600  
 FAX:772-2058



- PROPOSED 648 SQ. FT. AREA (12X54) DRIP DISPERSAL SYSTEM**
1. REMOVE TOPSOIL, SUBSOIL AND FILL AND REPLACE WITH TITLE 5 SEPTIC SAND.
  2. INSTALL DRIP DISPERSAL SYSTEM AT ELEVATION 98.4
  3. COVER DRIP TUBING WITH A MINIMUM 2" OF TITLE 5 SAND AND 4" OF LOAM AND SEED (6" COVER MIN.)
  4. A THREE FOOT GROUNDWATER OFFSET PROVIDED.
  5. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS GENERAL APPROVAL DECEMBER 4, 2009)
  6. ALL CONSTRUCTION TO BE SUPERVISED BY THE MANUFACTURER.
  7. THE OWNER WILL BE REQUIRED TO ENTER INTO A OPERATION AND MAINTENANCE AGREEMENT AND PROVIDE A COPY TO THE ACTON BOARD OF HEALTH PRIOR TO USE OF THE SYSTEM.
  8. THE OWNER SHALL BE REQUIRED TO PROVIDE A COPY OF THE MADEP GENERAL USE APPROVAL FOR PERC-RITE DRIP DISPERSAL SYSTEM TO PROSPECTIVE BUYERS PRIOR TO THE SIGNING OF A PURCHASE AND SALE.
  9. THE OWNER SHALL SUBMIT ALL SYSTEM DATA COLLECTED PER THE MANUFACTURER'S REQUIREMENTS TO THE ACTON BOARD OF HEALTH BY FEBRUARY 15 OF EACH YEAR.

Manufacturers General Construction Notes  
 "Perc-Rite" Drip Dispersal Systems

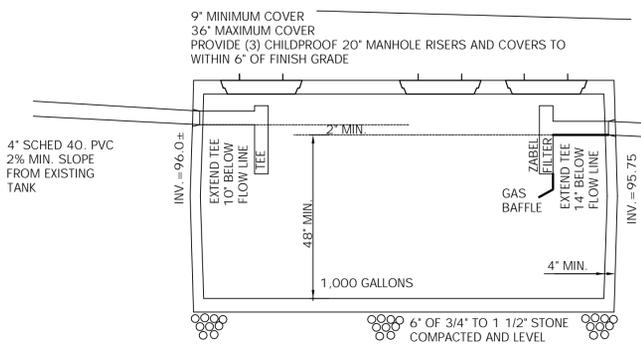
1. The system shall not be installed in wet or frozen soils.
2. Do not park, drive large equipment, or store materials on the dispersal area. No activity should occur on dispersal area other than the minimum required to install the system.
3. All installation and construction techniques shall conform to state and local codes pertaining to on-site sewage systems and the permit for the site.
4. The installation shall be in accordance with specifications and procedures as supplied by the Manufacturer of the equipment.
5. The contractor shall be certified to install this type of system and should hold a pre-construction meeting with the individuals responsible for the site design and inspections. The meeting should be held prior to the beginning of the site work to ensure protection of the site conditions and to ensure that the system is installed according to design.
6. If site conditions are determined to require the installation of the system to deviate from the design plans, all work shall stop immediately and the Designer and Health Agent shall be notified. Any ongoing work shall be the sole responsibility of the contractor.
7. Drip tubing may be installed with a vibratory plow, a static plow, a narrow trencher (<6" width), by hand trenching, or by scarifying the surface and bedding the drip tubing in clean sand meeting the requirements for fill material in Title 5 at 310 CMR 15.255(3) with cover consisting of sand and topsoil meeting the 6" to 12" depth requirement. The designer may indicate for the tubing to be installed up to 24" below grade. All drip tubing is to be installed parallel with the contour. Vegetative cover must be replaced for installations where it is removed or buried during installation.
8. All cutting of rigid PVC pipe, flexible PVC and drip tubing of size 1 1/2" or smaller shall be accomplished with pipe cutters approved by Manufacturer. No sawing of PVC, flexible PVC or drip tubing of size 1 1/2" or smaller is allowed. All rigid PVC pipe, flexible PVC and drip tubing in the work area shall have the ends covered with duct tape after cutting to prevent construction debris from entering the pipe. Prior to gluing, all joints shall be inspected for and cleared of any debris. All PVC pipe and fittings in the field shall be SCH 40. All glued joints shall be cleaned and primed with PVC primer prior to being glued. All force mains shall be tested for leaks prior to being backfilled by pressurizing the system and observing for leakage.
9. The Hydraulic Unit is to be placed on a bed of 4"-6" thick of 3/4"-1 1/2" gravel for drainage. If standing groundwater is a problem in the vicinity of the Hydraulic Unit, a screened drain to daylight is required.

**310 CMR 15.000 LOCAL UPGRADE APPROVAL**

15.405(1)a A LOCAL UPGRADE APPROVAL IS REQUESTED TO ALLOW THE CONSTRUCTION OF A LEACHING FACILITY WITHIN 10' OF A PROPERTY LINE, 8' IS PROPOSED.

15.405(1)b A LOCAL UPGRADE APPROVAL IS REQUESTED TO ALLOW THE CONSTRUCTION OF A LEACHING FACILITY WITHIN 20' OF A HOUSE FOUNDATION, 12' IS PROPOSED.

15.405(1)c A LOCAL UPGRADE APPROVAL IS REQUESTED TO ALLOW THE CONSTRUCTION OF A LEACHING FACILITY WITH LESS THAN A 4' GROUNDWATER OFFSET, 3' IS PROPOSED.



**NOTES**

1. THIS PLAN IS INTENDED FOR THE DESIGN OF THE PROPOSED SEPTIC SYSTEM ONLY AND MAY NOT BE USED TO DETERMINE PROPERTY LINES, ZONING REQUIREMENTS, OR FOR THE CONSTRUCTION OF ANY STRUCTURE.
2. THE GROUNDWATER ELEVATION AT THE FOUNDATION LOCATION HAS NOT BEEN DETERMINED AND IT IS THE CONTRACTOR/OWNER'S RESPONSIBILITY TO ENSURE THAT THE SLAB IS ABOVE THE NATURAL GROUNDWATER ELEVATION.
3. ALL CONSTRUCTION IS TO BE IN COMPLIANCE WITH 310 CMR 15.000 AND ANY LOCAL REGULATIONS UNLESS SPECIFICALLY WAIVED BY THE BOARD OF HEALTH IN WRITING.
4. THE CONTRACTOR SHALL NOTIFY DIGSAFE AND/OR ANY LOCAL UTILITIES PRIOR TO THE START OF CONSTRUCTION.
5. THE CONTRACTOR SHALL VERIFY ALL EXISTING PIPE INVERTS/LOCATIONS AND SITE ELEVATIONS PRIOR TO THE START OF CONSTRUCTION AND IMMEDIATELY STOP WORK AND NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES.
6. THIS PLAN SHOWS ONLY THOSE FEATURES VISUALLY APPARENT AT THE TIME OF INSPECTION AND THE LACK OF UNDERGROUND STRUCTURES OR UTILITIES IS NEITHER INTENDED OR IMPLIED.
7. ALL FILL FOR THE SYSTEM SHALL BE IN COMPLIANCE WITH CMR 310 15.255.
8. ANY ACTIVITY WITHIN 100' OF A WETLAND OR 200' OF A RIVER WILL REQUIRE PRIOR WRITTEN APPROVAL FROM THE CONSERVATION COMMISSION.
9. THIS PLAN HAS NOT BEEN DESIGNED TO ACCOMMODATE A GARBAGE GRINDER.
10. NO COMPONENTS SHALL BE BACKFILLED PRIOR TO INSPECTION AND APPROVAL OF THE DESIGN ENGINEER AND THE BOARD OF HEALTH.
11. ALL COMPONENTS ARE TO BE MARKED WITH MAGNETIC TAPE PRIOR TO BACKFILL.
12. AT A MINIMUM ONE INSPECTION PORT IN SHALL BE INSTALLED IN THE AREA OF THE LEACHING FACILITY.
13. ANY DEVIATION FROM THE DESIGN PLAN WILL REQUIRE THE WRITTEN APPROVAL OF THE DESIGN ENGINEER AND THE BOARD OF HEALTH.
14. THERE ARE NO KNOWN WELLS WITHIN 100' OF THE PROPOSED LEACHING FACILITY OR WITHIN 50' OF THE PROPOSED SEPTIC TANK.

**SUPPLEMENTAL NOTES - ACTON, MA**

A SCHEDULE 40 PVC BUILDING SEWER REQUIRES AN APPROVED SLEEVE WHERE THE PIPE TRANSITS THROUGH THE BUILDING FOUNDATION.

ALL RESIDENTIAL SEPTIC TANKS, CESSPOOLS, OR OTHER STRUCTURES SHALL HAVE THEIR CONTENTS PUMPED OUT A MINIMUM OF ONCE EVERY TWO YEARS BY A SEPTAGE HAULER LICENSED BY THE TOWN OF ACTON.

SOIL ABSORPTION SYSTEMS CONSTRUCTED IN AREAS WHERE THE UNDERLYING NATURAL SOIL MATERIAL HAS A PERCOLATION RATE OF GREATER THAN 10 MINUTES PER INCH, SHALL HAVE A MINIMUM OF 6" OF TITLE 5 FILL MATERIAL (AS DEFINED IN 310 CMR 15.355(3)) PLACED BENEATH THE STONE. THE BOARD OF HEALTH OR ITS AGENTS MAY REQUIRE THIS MINIMUM 6" OF GRAVEL AT ITS DISCRETION, REGARDLESS OF THE TYPE OF UNDERLYING SOIL MATERIAL. THE FOUR (4) FOOT MINIMUM REQUIREMENT OF NATURALLY OCCURRING PERVIOUS SOIL MATERIAL MAY NOT BE LESSENE IN ORDER TO PROVIDE ROOM FOR THIS REQUIREMENT.

**SOIL TEST DATA 2009**

JOHN BOARDMAN P.E.  
 JUSTIN SNAIR, ACTON BOH  
 NOVEMBER 9, 2009

TESTHOLE 1109-1	ELEV.=98.9
0-4" FILL	
40-120" C1 SAND	10YR5/4
NO GROUNDWATER	
NO REFUSAL	
>5% @ 48"	
STANDING @ 88"	
ESHWT 48"	

**TESTHOLE 1109-2**

TESTHOLE 1109-2	ELEV.=99.4
0-14" MIXED AP/BW (TO BE REMOVED)	
14-24" BW SL	10YR6/6
24-74" C1 SAND	10YR5/4
NO GROUNDWATER	
REFUSAL @ 74"	
>5% @ 48"	
ESHWT 48"	

**TESTHOLE 1109-3**

TESTHOLE 1109-3	ELEV.=99.4
0-14" FILL	
14-24" BW SL	10YR6/6
24-90" C1 SAND	10YR5/4
GROUNDWATER @ 88"	
REFUSAL @ 108"	
>5% @ 48"	
ESHWT 48"	

**TESTHOLE 1109-4**

TESTHOLE 1109-4	ELEV.=96.7
0-60" FILL	
GROUNDWATER AT 48"	

**TESTHOLE 1109-5**

TESTHOLE 1109-5	ELEV.=97.0
0-80" FILL	
GROUNDWATER @ 48"	

**SOIL TEST DATA 1997**

G. NICHOLS  
 DOUG DUNBAR, ACTON BOH  
 7-9-97

TESTHOLE DTH 7-97-01	
0-6" AP S.L.	10YR 4/3
6-14" BW S.L.	10YR5/6
14-38" C1 F.S.	10YR7/3
38-54" C2 M.S.	2.5Y3/4
54-78" C3 M.S.	2.5Y6/1
78-92" C4 F.S.	2.5Y7/1
WEPPING @ 92"	
STANDING @ 92"	
ESHWT 74"	

**PERC TEST 797-A**

DEPTH 58"  
 7 MINUTES PER INCH

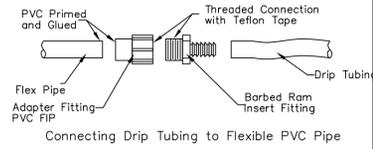
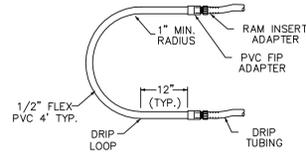
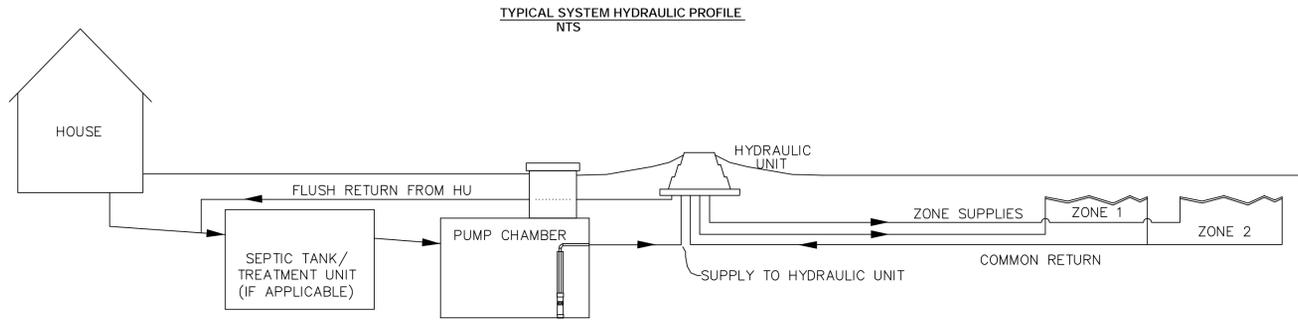
**SOIL TEST DATA 1990**

TOM PERAGALLO  
 ALAN PERRY, ACTON BOH  
 7-26-90

TESTHOLE OH-1	
0-12" TOP SUB.FILL	
36-84" COMPACT SANDY TILL	
84-108" COMPACT SANDY TILL	
REFUSAL AT 108"	
GROUNDWATER AT 108"	

**PERC TEST 1**

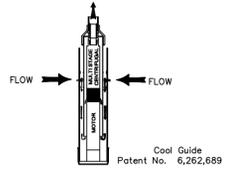
DEPTH 54"  
 56 MINUTES PER INCH



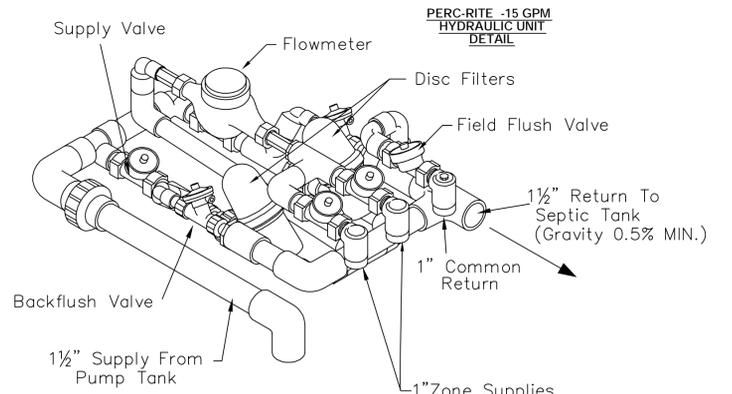
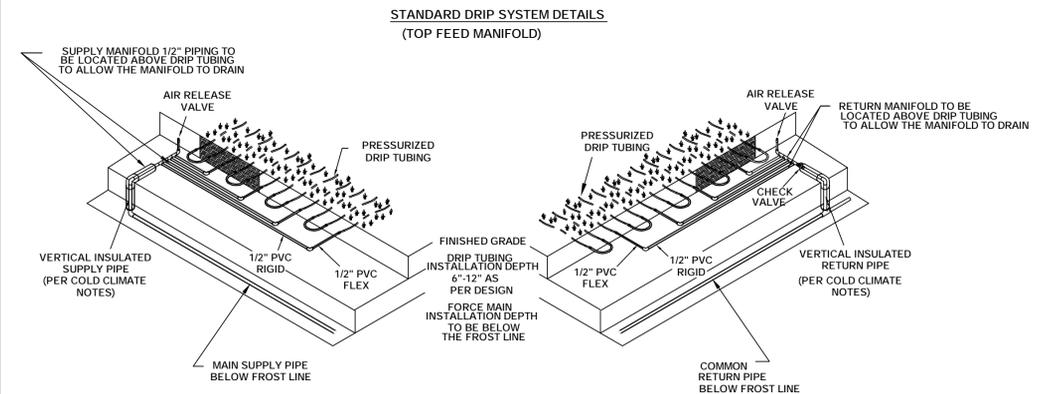
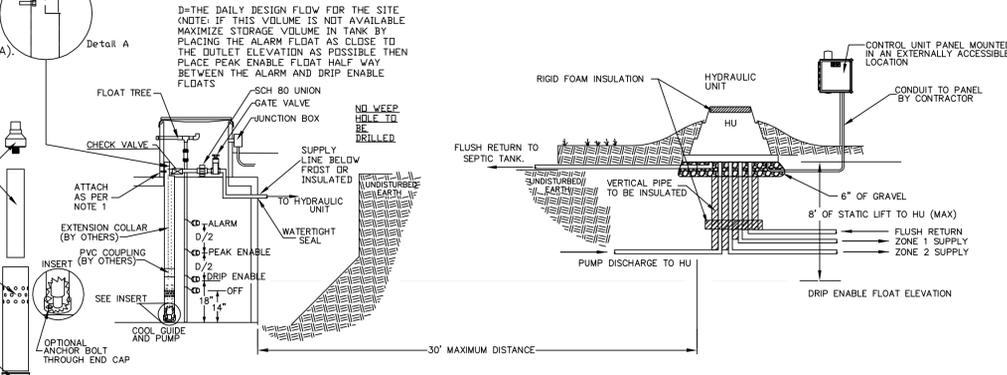
NOTE: ALL DRIP LOOPS ARE TO BE LOCATED 2" ABOVE THE DRIP LINE TO ALLOW FOR THE LOOPS TO DRAIN

**INSTALLATION INSTRUCTIONS**

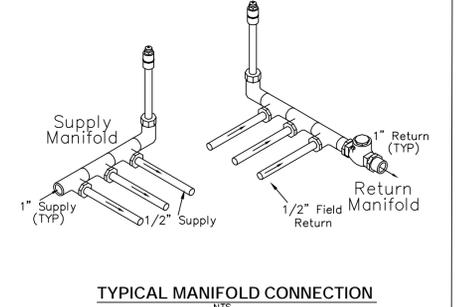
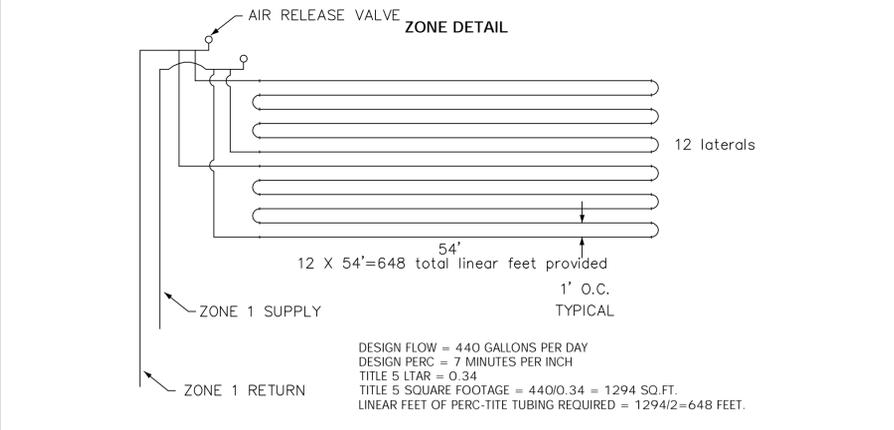
1. Measure the distance from the bottom of the tank to 6" down from the top of the riser. Cut the extension pipe (by others) to the length necessary to reach this height. Cut 1/2" of the pipe down 12" to 18" away from the top of the pipe for pump discharge pipe. Cut 1/2" 12" to 18" away from the top of the pipe for pump discharge pipe and attach to riser (see detail A).
2. Glue the extension coupling (by others) to the extension pipe and to the Cool Guide.
3. For re-use of existing concrete pump chambers: glue on the Cool Guide flat cap and place the Cool Guide firmly in the bottom of the tank. Attach the extension to the riser, with the extension to the riser, with the anchors as shown.
4. For use in new concrete pump chambers: Anchor the flat cap to the bottom of the tank in the proper location to hold Cool Guide and extension. The cap may or may not be glued to the device. Attach the extension with the anchors as shown.
5. Place the pipe dope on the Cool Guide adapter threads and thread them into pump discharge.
6. Attach cooling collar to adapter with set screw provided.
7. Glue pipe into flow collar and with pump attached, lower into the guide tube.
8. Attach to discharge pipe, valves, and connect electrical as specified.



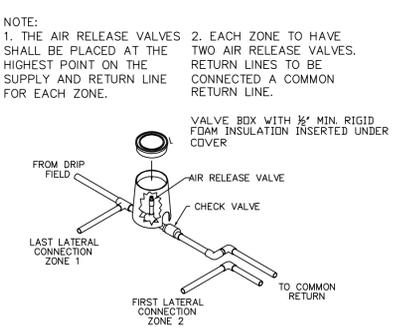
**TYPICAL PUMP TANK & HYDRAULIC UNIT DETAIL NTS**



NOTE: THE DRIP TUBING SHALL BE THE LOWEST POINT TO ALLOW FOR DRAINAGE FROM BOTH THE VERTICAL INSULATED SUPPLY AND RETURN PIPES



NOTE: ALL RIGID AND FLEXIBLE PVC ARE TO BE LOCATED ABOVE THE DRIP LINE TO ALLOW FOR THE PIPES TO DRAIN



**AIR RELEASE & CHECK VALVE DETAIL**

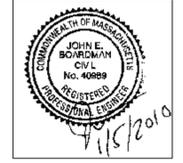
**OWNER:**  
AMY BROGNA  
67 CENTRAL STREET  
ACTON, MA

**SITE:**  
67 CENTRAL STREET  
ACTON, MA

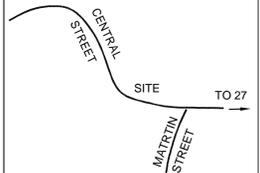
ASSESSORS MAP G-2  
PARCEL 190

DEED BOOK:27686  
PAGE: 332

SCALE: 1" = 20'  
SHEET 2 OF 2  
DATE: 11/9/09  
REVISED:



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LOCUS MAP - N.T.S.

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**REPAIR SEWAGE DISPOSAL PLAN 67 CENTRAL STREET, ACTON MA**