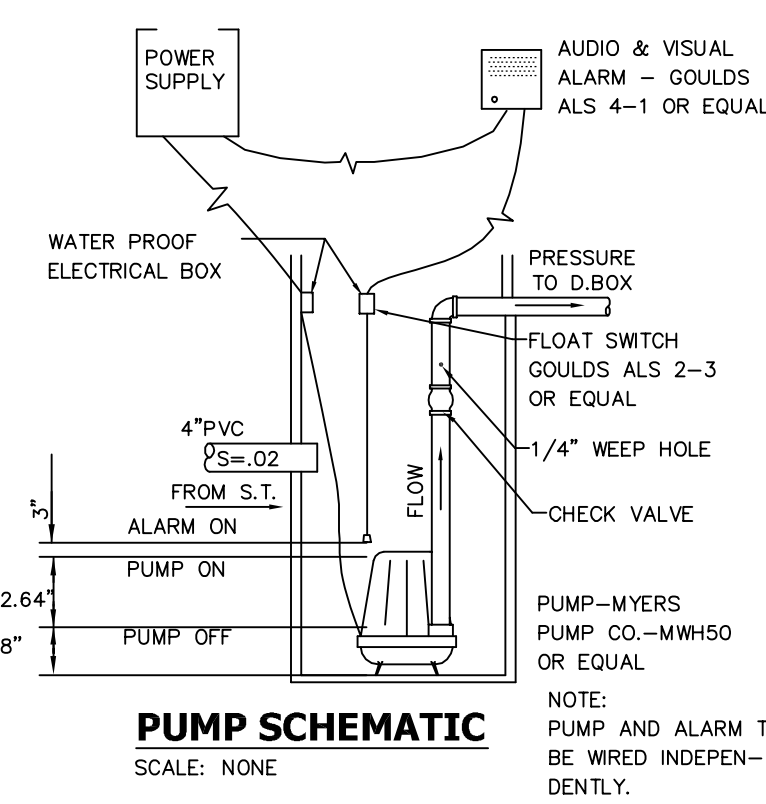
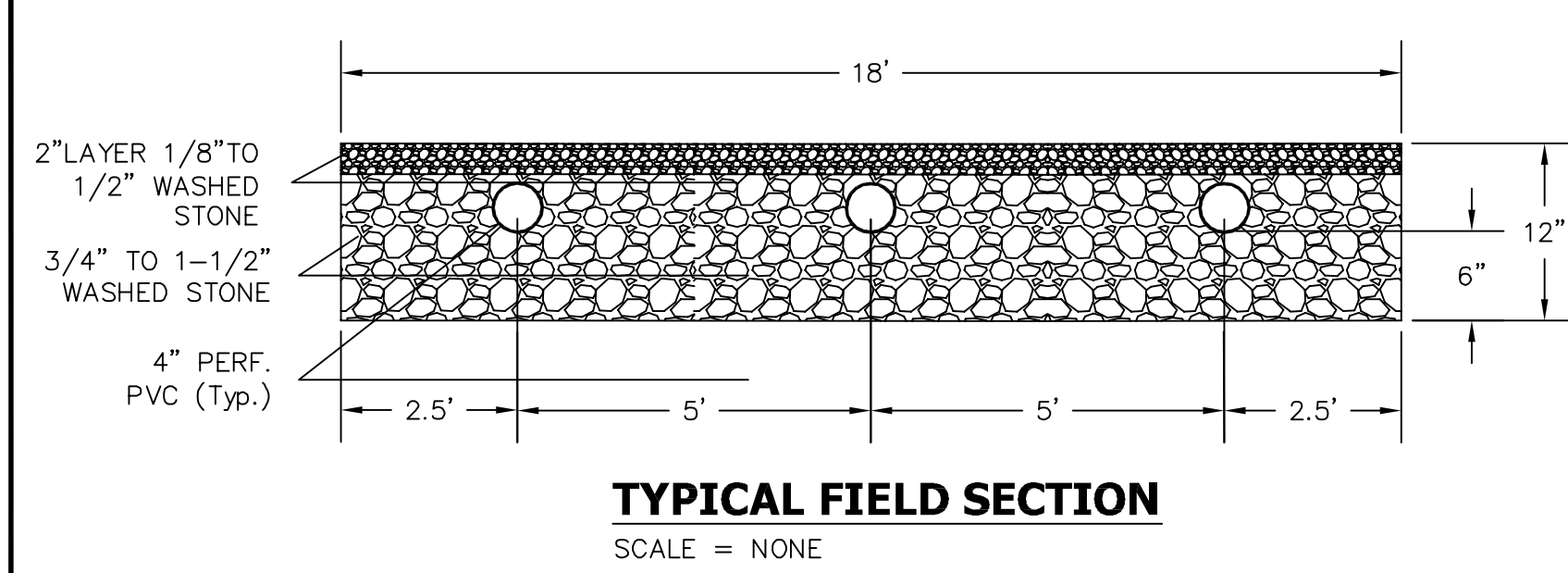
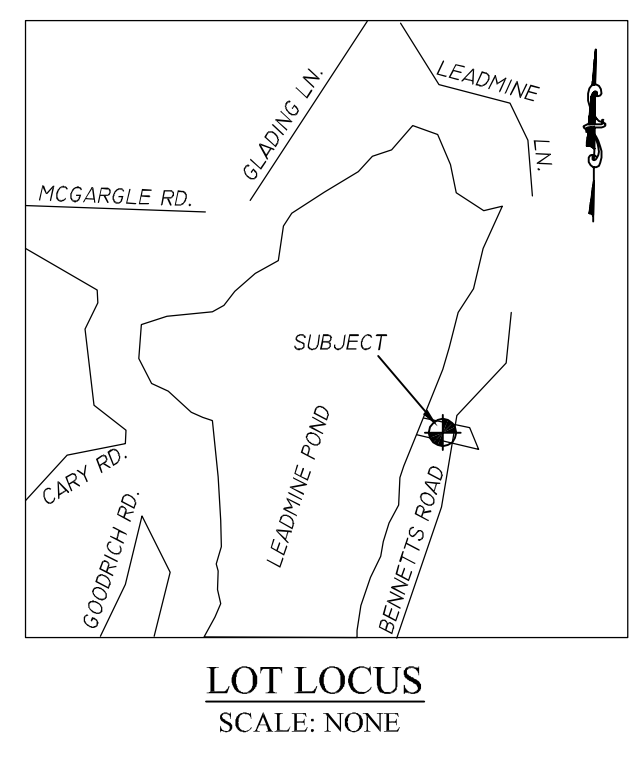
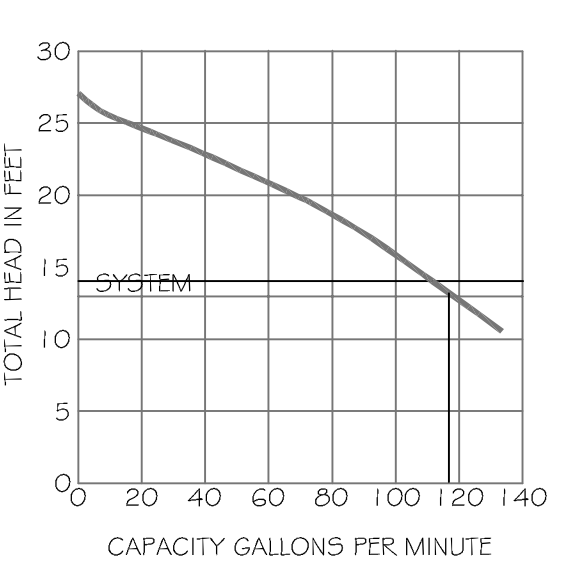


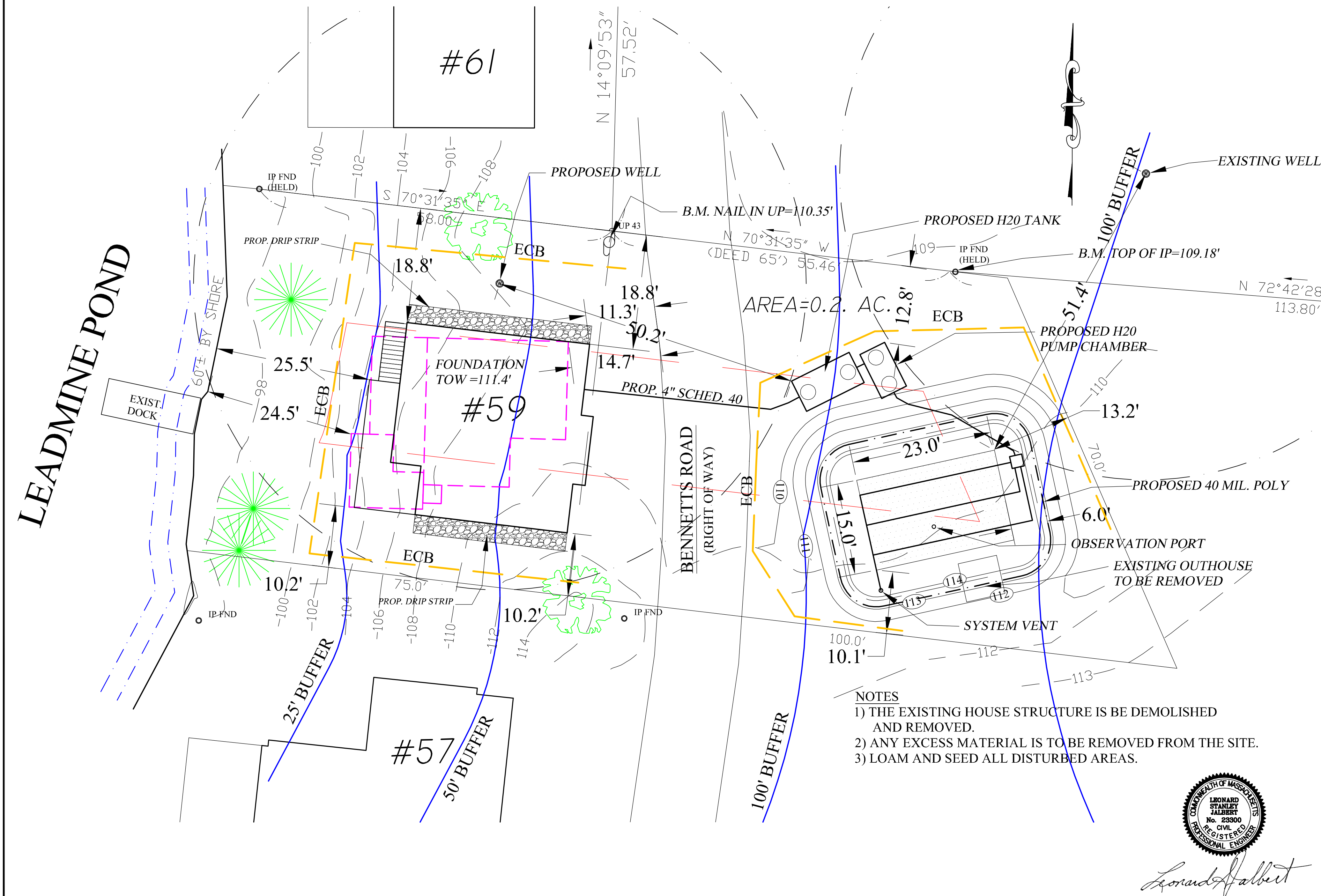
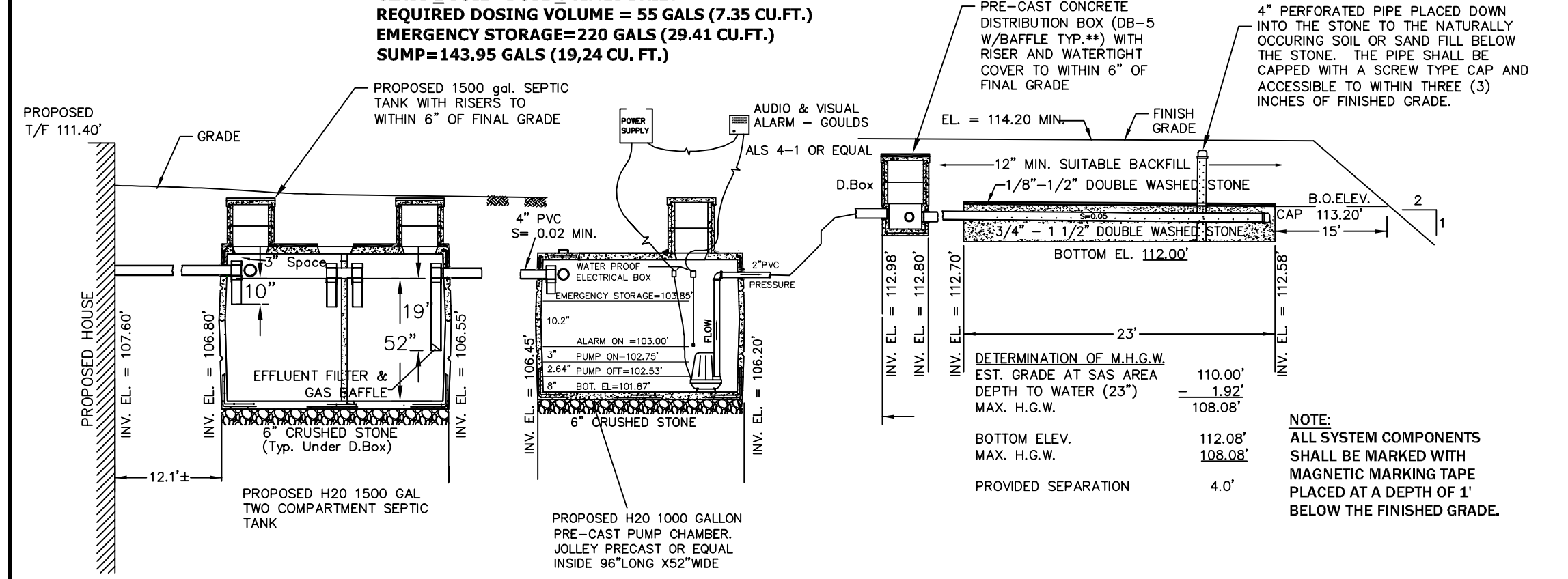
SITE PLAN & DETAILS



MW50 SEWAGE PUMP



SYSTEM PROFILE



SCHEDULE OF ELEVATIONS

DESCRIPTION	PROPOSED	AS-BUILT
TOP OF FOUNDATION	111.40	
INVERT AT FOUNDATION	107.60	
INVERT IN SEPTIC TANK	106.80	
INVERT OUT SEPTIC TANK	106.55	
INVERT IN PUMP CHAMBER	106.45	
INVERT OUT PUMP CHAMBER	106.20	
INVERT IN D.BOX	112.98	
INVERT OUT D.BOX	112.80	
INVERT BEGINNING FIELD	112.70	
INVERT END OF FIELD	112.58	

DESIGN CRITERIA:

DESIGN FLOW FOR # BEDROOMS
2 Bedrooms x 110 gal./bedroom/day= 220 gallons/day
THIS SYSTEM IS NOT DESIGNED TO ACCOMMODATE A GARBAGE DISPOSAL. THE USE OF GARBAGE DISPOSALS IS NOT RECOMMENDED WITH SUBSURFACE DISPOSAL FACILITIES.
SEPTIC TANK CAPACITY: 1500 GALLON

LEACHFIELD CALCULATIONS

SQUARE FOOTAGE:		=	0 sq.ft.
SIDEWALL: NOT APPLICABLE		=	345 sq.ft.
BOTTOM: 15 ft. x 23 ft.		=	345 sq.ft.
TOTAL:		=	345 sq.ft.

SOIL CLASSIFICATION:	CLASS II		
LTAR:	0.66		

LEACHING CAPACITY:		=	0 gallons
SIDEWALL: NOT APPLICABLE		=	227 gallons
BOTTOM: 0.66 gal./sq.ft. x 345 sq.ft.		=	227 gallons
TOTAL:		=	227 gallons

PERCOLATION TEST AND DEEP HOLE OBSERVATIONS

TEST PERFORMED AS PER TITLE 5.
DATE OF TEST: 1/20/21
TEST TAKEN 48" BELOW EXISTING GRADE.
RESULT: UNABLE TO TEST. MATERIAL SENT TO LAB.
DESIGNED AT 8 MINUTES PER INCH.
PERFORMED BY: LEONARD JALBERT
WITNESSED BY: KENNETH B. LACEY, JR.
SIEVE ANALYSIS BY TERRA FILTER, STURBRIDGE, MA. DATED 2/18/21

OBSERVATION PITS

PIT #1						PIT #2					
Depth	Horizon	Soil Texture	Color	Moisture	Remarks	Depth	Horizon	Soil Texture	Color	Moisture	Remarks
8-23"	B	SL	5YR 4/8	None		8-24"	B	SL	5YR 4/8	23"	REPROPOSED
23-37"	C	SL	2.5YR 4/8	24"	REPROPOSED	24-37"	C	SL	2.5YR 4/8		

GENERAL NOTES

- ALL WORK TO BE CONCEALED MUST BE INSPECTED BY THE BOARD OF HEALTH OR ITS AGENT PRIOR TO BEING BACKFILLED.
- THE BUILDING SEWER (THE PIPE FROM 10' OUTSIDE THE BUILDING TO THE SEPTIC TANK) MUST BE CONSTRUCTED OF SCHEDULE 40 PVC PIPE AND MUST BE WATER-TIGHT.
- SEPTIC TANK AND DISTRIBUTION BOX TO BE PRE-CAST CONCRETE AS PER TITLE 5.
- SEPTIC TANK AND D.BOX MUST BE SET ON A LEVEL STABLE BASE AND MUST BE WATER TIGHT.
- THE FINISH GRADE ABOVE AND ADJACENT TO THE FIELD SHALL SLOPE AT LEAST 2% TO PREVENT THE ACCUMULATION OF SURFACE WATER.
- FILL MATERIAL REQUIRED SHALL CONSIST OF CLEAN GRANULAR SAND FREE FROM ORGANIC MATTER AND DELETERIOUS SUBSTANCES. MIXTURES AND LAYERS OF DIFFERENT CLASSES OF MATERIALS SHALL NOT BE USED. A SEIVE ANALYSIS SHALL BE PERFORMED IN ACCORDANCE WITH 310 CMR 15.255 (3).
- STONE SHALL CONSIST OF DOUBLE-WASHED STONE AND SHALL BE FREE OF IRON, FINES AND DUST IN PLACE.
- ALL DISTURBED AREAS TO BE LOADED (3" MIN.), FINE RAKED AND SEEDED.
- ALL WELLS WITHIN 200' OF THE PROPOSED SYSTEM ARE SHOWN OR REFERRED TO BY NOTATION.
- ALL WETLANDS WITHIN 100' OF THE CONSTRUCTION ARE SHOWN, IF ANY.
- OFFSETS ARE NOT TO BE USED FOR THE REPRODUCTION OF PROPERTY LINES.
- THE PROPOSED WELL IS NOT WITHIN 100' OF ANY KNOWN ABUTTERS-LEACHING FACILITIES.
- REMOVE TOPSOIL, PEAT AND OTHER IMPERVIOUS MATERIALS FROM ALL AREAS BENEATH THE LEACH FIELD AND FOR A DISTANCE OF 5' THEREFROM (AS SHOWN) AND REPLACE WITH FILL MATERIAL AS SPECIFIED NOTE 6 COMPACTED IN 6" LIFTS TO AN ELEVATION EQUAL TO THE TOP OF PEA STONE WITHIN THE SYSTEM.

ZONING: AGRICULTURAL

F.I.R.M. REFERENCE

LOT SIZE	REQ'D.	PLAN	COMMUNITY NO:	25027C
AREA:	1 AC.	0.20 AC.	PANEL NO.:	0951E
FRONTAGE:	150'	60'	DATE:	7/4/2011
SETBACKS:			THE DESIGN SHOWN HEREON DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD ZONE.	
STREET:	30'	11.3'		
SIDE LINE:	20'	10.2'		
REAR:	20'	25.5'		

SCOPE OF WORK

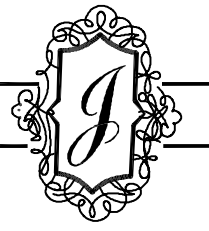
THE CONTRACTOR SCOPE OF WORK INCLUDES BUT IS NOT LIMITED TO:
1. ALL LABORS AND MATERIALS TO INSTALL THE SEWAGE DISPOSAL SHOWN, COMPLETE AND PLACED IN SERVICE.
2. INSURING ALL PERMITS HAVE BEEN OBTAINED.
3. PERFORMING ALL WORK IN ACCORDANCE WITH TITLE 5.
4. ANY MEASURES TO PROTECT THE WETLAND, IF ANY.
5. TIMELY EXECUTION OF THE WORK.

ORIGINAL	REVISIONS			MAINTENANCE NOTE		
Date	Rev	Date	Description	Made	Check	App.
3/2/21	1	4/1/21	ADD FLAGS TO EAST	AMT	LSJ	LSJ
	2	4/13/21	NORTH ARROW, WELL DIM.	AMT	LSJ	LSJ
	3	4/15/21	ADD WELL, REVISE SAS	AMT	LSJ	LSJ
Designed	AMT					
Checked	LSJ					
Drawn	AMT					
Reviewed						
Reviewed						
Approved						

MAINTENANCE NOTE
THE STATE ENVIRONMENTAL CODE, STATES: "SEPTIC TANKS SHOULD BE INSPECTED AND CLEANED AT LEAST ANNUALLY."
NO PERMANENT STRUCTURES ARE TO BE ERCTED IN THE RESERVE AREA.
DO NOT PLANT TREES OVER OR NEAR THE FIELD.
AVOID VEHICULAR TRAFFIC OVER SYSTEM.



Leonard Jalbert



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CIVIL ENGINEERS & SURVEYORS
54 Main Street
Sturbridge, Massachusetts 01566-1244
Telephone: (508) 347-5136 • Toll Free: 1-800-339-5136
Fax: (508) 347-7962

Soil Absorption System - "Upgrade"

Located At: 59 Bennetts Road
Sturbridge, Massachusetts
For: Dale Perry
1" IN FEET = 10 ft.

3/2/21	PLAN NUMBER
21001	REV. 3