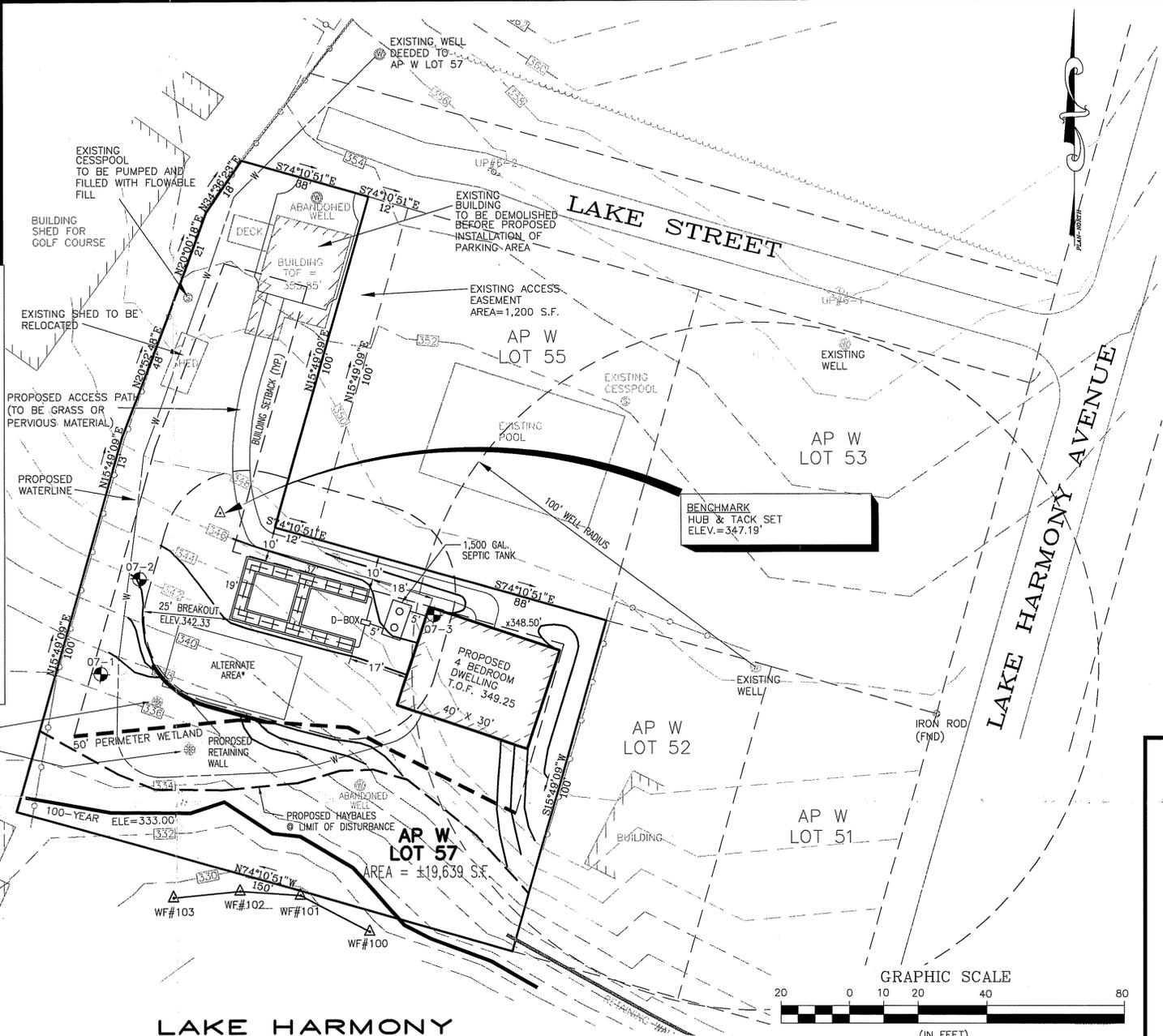


DEPARTMENT OF ENVIRONMENTAL MANAGEMENT,
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED APR 18 2007 FILE # 07-0019
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman



TEST PIT TH 07-1

DATE:	1/22/07	G.S. ELEV.	336.82
ELEV.	DEPTH	SOIL DESCRIPTION	
336.65	2"-0"	0	
		A	
		10YR 3/2	
		FSL	
335.82	10"	Bw	
		5YR 4/6	
		SL	
334.32	28"	G.W.T.	
332.65	48"	C1	
		10YR 5/8	
		G, LS	
332.15	54"	C2	
		10YR 5/8	
		CLS	
330.65	72"	VFS	

TEST PIT TH 07-2

DATE:	1/22/07	G.S. ELEV.	341.97
ELEV.	DEPTH	SOIL DESCRIPTION	
341.77	2"-0"	0	
		A	
		10YR 3/2	
		FSL	
340.94	10"	Bw	
		5YR 4/6	
		SL	
338.94	34"	C1	
		10YR 6/6	
		GLS	
336.77	60"	G.W.T.	
332.77	108"	C2	
		10YR 5/8	
		CLS	



SOIL EVALUATIONS PERFORMED BY
THOMAS J. PRINCIPE, III D-4075

TEST PIT TH 07-3

DATE:	1/22/07	G.S. ELEV.	348.43
ELEV.	DEPTH	SOIL DESCRIPTION	
347.77	8"	A	
		10YR 3/2	
		FSL	
		Bw	
		5YR 4/6	
		SL	
345.93	30"	C	
		10YR 5/8	
		G, SL	
339.43	108"	G.W.T.	

PERCOLATION DATA

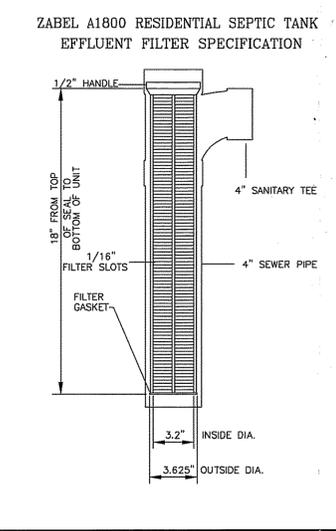
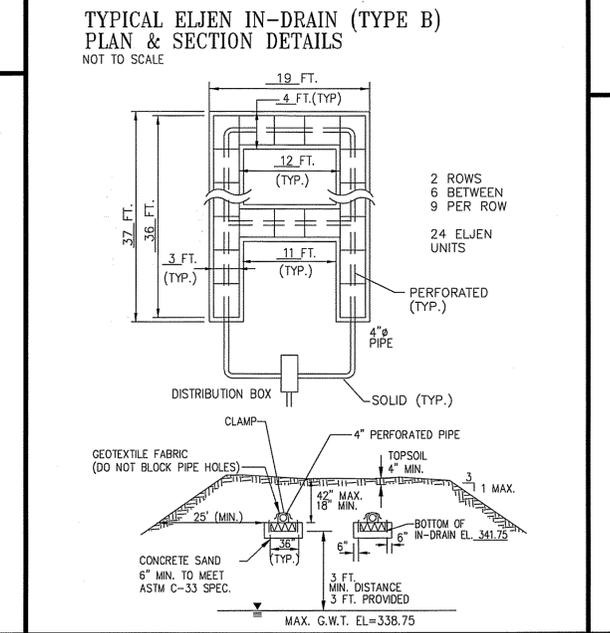
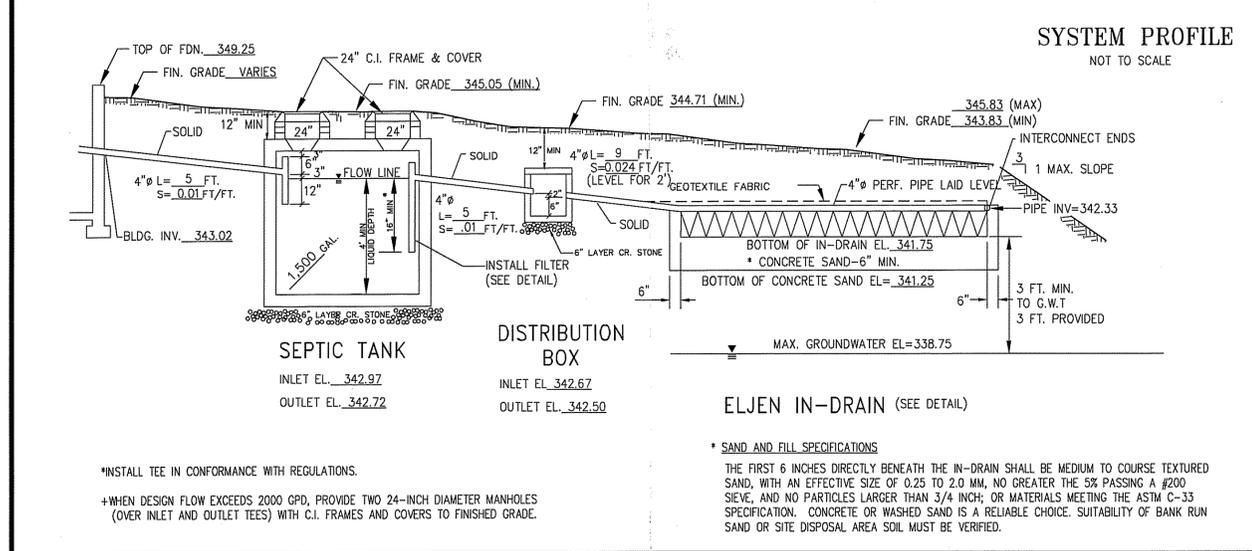
TEST HOLE	SOIL CATEGORY	DESIGN PERCOLATION RATE
07-1	6	10 MPI
07-2	6	10 MPI
07-3	6	10 MPI

NOTES:
DESIGN AT 10 MPI

OWNER/APPLICANT:
MICHAEL BELANGER
208 POUND ROAD
CUMBERLAND, RHODE ISLAND 02864

- ### DESIGN NOTES
- UNLESS OTHERWISE NOTED, THERE ARE NO ISDS, EXISTING OR PROPOSED, WITHIN 100 FEET OF ANY PROPOSED WELL.
 - UNLESS INDICATED THERE ARE NO EXISTING OR PROPOSED WELLS, DRAINS OR WATERWAYS WITHIN 200 FEET OF THE PROPOSED SYSTEM.
 - THE SEPTIC TANK WILL BE PROVIDED WITH AN OUTLET TEE, INLET TEE OR BAFLE AND TWO CLEANOUTS.
 - ALL BRUSH AND TREES WILL BE CLEARED WITHIN 10 FEET OF THE SYSTEM.
 - WITHIN TWENTY FIVE (25) FEET OF THE SYSTEM, FINISH GROUND WILL BE GREATER THAN INVERT ELEVATION = 342.33'
 - NO EXISTING OR PROPOSED SUBDRAINS ARE WITHIN 25 FEET OF THE SYSTEM.
 - DISTRIBUTION BOX TO HAVE A MINIMUM AREA OF 3 SQ. FT.
 - THE SEPTIC TANK WILL BE PROVIDED WITH AN ACCESS MANHOLE SET TO FINISHED GRADE TO DEVERT.
 - UNLESS OTHERWISE NOTED, THERE ARE NO PUBLIC WELLS, EXISTING OR PROPOSED, WITHIN 500 FEET OF THE PROPOSED SYSTEM.
 - THE TOPSOIL, SUBSOIL & ALL UNSUITABLE MATERIAL AND FINES SHALL BE REMOVED WITHIN THE AREA OF THE LEACHING SYSTEM FROM THE BOTTOM OF THE SUBSOIL TO THE GROUND SURFACE. THE AREA FROM THE BOTTOM OF THE EXCAVATION AND BETWEEN THE TRENCHES TO AN ELEVATION 6 INCHES ABOVE THE INVERT OF THE SYSTEM SHALL BE BACKFILLED WITH GRAVEL BASE AS SPECIFIED IN SD 11.05.

- ### SPECIFICATIONS
- THE SYSTEM FOR SUBSURFACE DISPOSAL OF SANITARY SEWAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS, DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, "RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION, AND MAINTENANCE OF INDIVIDUAL SEWAGE DISPOSAL SYSTEMS". (SD 1.00 THROUGH SD 21.03).
 - THE PIPE FROM THE BUILDING TO THE SEPTIC TANK SHALL BE EITHER COATED EXTRA HEAVY HUB AND SPIGOT CAST IRON SOIL PIPE (ASTM A-740) WITH OAKUM AND LEAD JOINTS, OR SOLID WALL PVC PIPE.
 - SOLID WALL PIPE AND FITTINGS SHALL BE SCHEDULE 35 PVC (POLYVINYL CHLORIDE) MANUFACTURED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF ASTM D 3034. JOINTS SHALL BE SOLVENT WELDED TYPE.
 - THE SEPTIC TANK SHALL BE A PRECAST REINFORCED CONCRETE STRUCTURE WITH A HEAVY DUTY COVER (HS20 WHEEL LOADING). THE CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AFTER 28 DAYS. TANK TO BE PRECAST WITH SUITABLE ACCESS COVERS AND PIPE PENETRATION KNOCKOUTS.
 - THE DISTRIBUTION BOX SHALL BE A PRECAST CONCRETE STRUCTURE WITH A BAFFLE AND SUITABLE PIPE PENETRATION KNOCKOUTS. CONCRETE FOR ALL STRUCTURES (DISTRIBUTION BOX, GALLEY, CHAMBER, PIT, AND DIFFUSER) SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AFTER 28 DAYS. (HS20 WHEEL LOADING)
 - CAST IRON ACCESS MANHOLE FRAME AND COVER, WHEN REQUIRED, SHALL HAVE AN INTERIOR DIMENSION SUITABLE FOR REMOVAL OF CONCRETE INSPECTION COVERS, AND SHALL ALSO BE MEDIUM OR HEAVY DUTY, AS NOTED.
 - PERFORATED PIPE, WHEN REQUIRED, SHALL BE SCHEDULE 35 PVC (ASTM D1785) WITH 4 ROWS OF 1/2 INCH PERFORATION HOLES PER PIPE.
 - WASHED STONE AND OTHER SOIL MATERIALS SHALL BE IN CONFORMANCE WITH THE STATE RULES AND REGULATIONS (S.D. 11.04).
 - WHENEVER THE SYSTEM IS TO BE CONSTRUCTED WHOLLY OR PARTIALLY IN FILL, THE PROCEDURE AS DEFINED IN SECTION S.D. 11.06 OF THE STATE RULES AND REGULATIONS SHALL APPLY.
 - THE DESIGN INTENT IS TO MEET THE STATE STANDARDS. THE SYSTEM OPERATION IS DEPENDENT ON PROPER USAGE, AND IT'S OPERATION IS NOT GUARANTEED BY THIS PLAN. NOTE: CONTRACTOR TO VERIFY BENCHMARK & EXISTING CONDITIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN FIELD AND DESIGN DATA SHOWN HEREON TO BE REPORTED TO THE ENGINEER



Kambiz Karbassi
No. 4737
REGISTERED PROFESSIONAL ENGINEER

400 SMITH STREET
PROVIDENCE, RHODE ISLAND 02908
401-273-6600

SEPTIC SYSTEM PLAN

for
WILKINSON PLAT
LOT 57
in
GLOCESTER, RHODE ISLAND

DATE: 2/2/07

REVISIONS			
No.	DATE	DRWN	CHKD

SCALE: 1"=20'	SHEET NO: 1 of 1
DRAWN BY: DMS	DESIGN BY: TJP
DATE: 2/2/07	CHECKED BY: KK
PROJECT NO.: 06116.00	