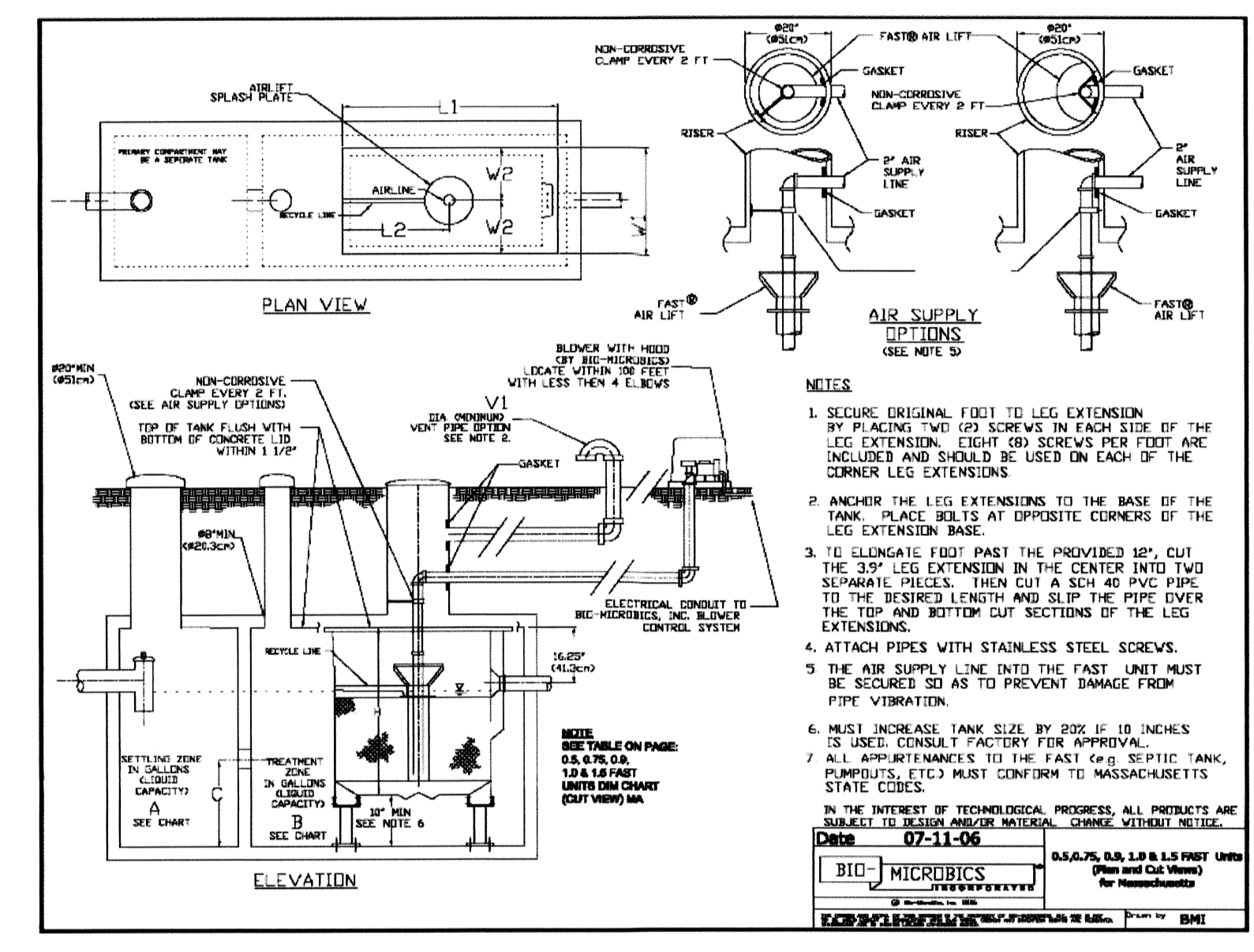


### NOTES & SPECIFICATIONS:

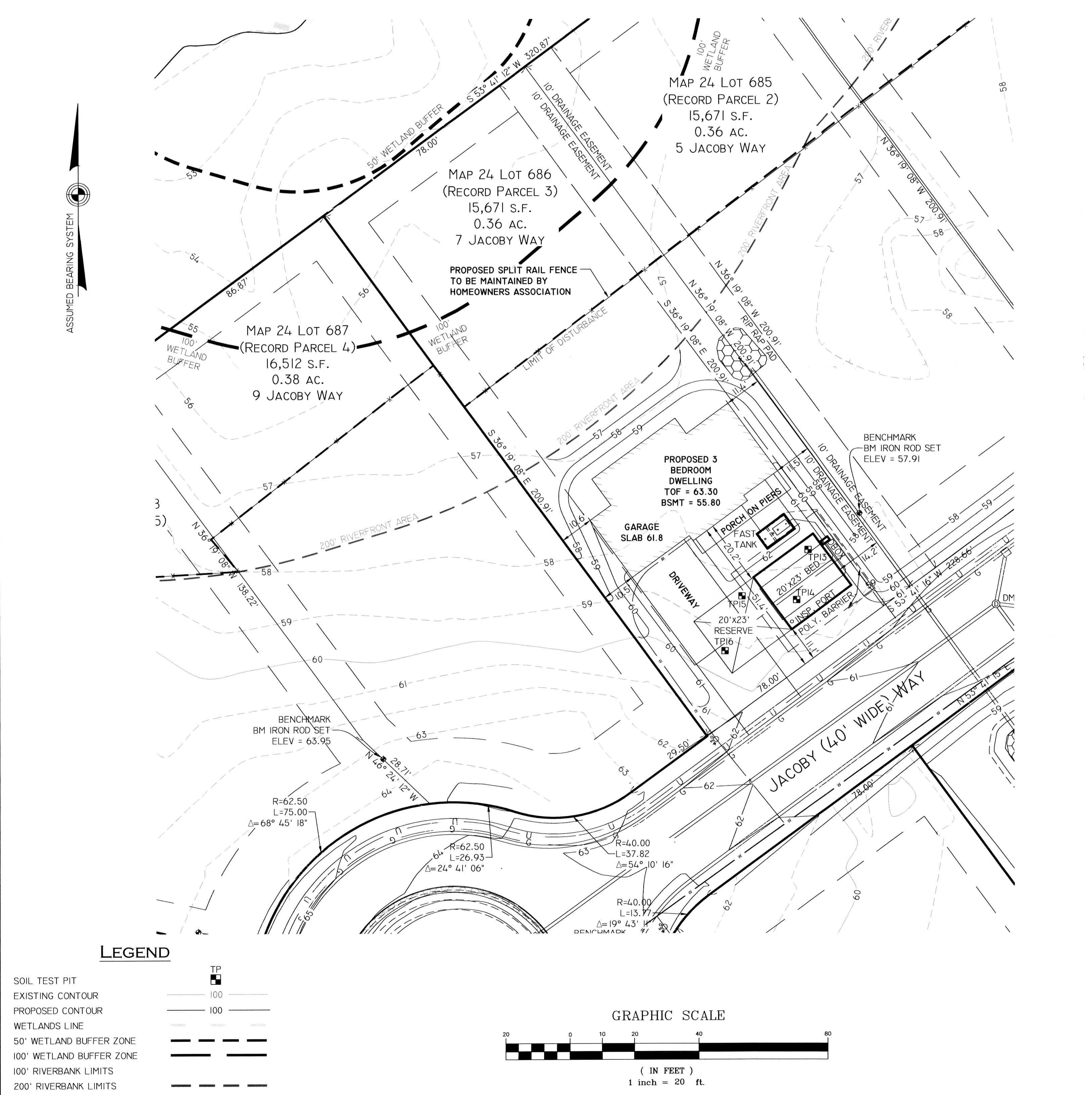
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF 310 CMR 15 (TITLE V) OF THE COMMONWEALTH OF MASSACHUSETTS AND THOSE OF THE TOWN OF SEEKONK BOARD OF HEALTH.
- THE REQUIRED INSPECTION SCHEDULE DURING THE PROCESS OF CONSTRUCTION SHALL BE ARRANGED BY THE CONTRACTOR WITH THE BOARD OF HEALTH AND DESIGN ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 1500 GALLON SEPTIC TANK SHALL BE A FAST TANK (SEE DETAIL) AND 5 OUTLET DISTRIBUTION BOX SHALL BE STANDARD DUTY DESIGN AS MANUFACTURED BY A. ROTONDO & SONS, INC., OR APPROVED EQUAL.
- ALL PIPING SHALL BE 4" DIA. SCHD.40 NSF PVC, WITH ALL JOINTS SEALED WATERTIGHT.
- ALL STONE SHALL BE DOUBLE WASHED AND FREE OF IRONS, CLAY OR FINES AND SHALL BE SATISFACTORY TO THE TOWN OF SEEKONK BOARD OF HEALTH.
- THIS SYSTEM IS NOT DESIGNED TO ACCOMMODATE A GARBAGE DISPOSAL OR OTHER HIGH WATER USE UNITS.
- THE PROPOSED SEPTIC SYSTEM IS NOT LOCATED WITHIN THE CONE OF INFLUENCE OF ANY MUNICIPAL WELL NOR ARE THERE ANY PRIVATE WELLS LOCATED WITHIN 100 FEET (RADIALLY) OF THE PROPOSED SYSTEM.
- EXCAVATE ALL TOP, SUB AND ANY OTHER SOILS ENCOUNTERED DOWN TO THE BOTTOM OF EXCAVATION FOR A HORIZONTAL DISTANCE OF 5' ON ALL SIDES OF THE PROPOSED SYSTEM. BACKFILL TO THE TOP OF STONE WITH SELECT ON-SITE OR IMPORTED SOIL MATERIAL CONSISTING OF CLEAN GRANULAR SAND, FREE OF ORGANIC MATTER OR OTHER DELETERIOUS SUBSTANCES AND MEETING THE SIEVE SIZE REQUIREMENTS OF 310 CMR 15.255(3) & (5) [CONSTRUCTION IN FILL].
- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO THE CONTINUATION OF CONSTRUCTION.
- WATER TABLE FLUCTUATES ANNUALLY, NO WARRANTY OF A DRY BASEMENT IS EXPRESSED OR IMPLIED.
- THE LOT DOES NOT LIE IN A FLOOD HAZARD ZONE.
- ELEVATIONS SHOWN ON THIS PLAN ARE BASED ON NGVD 1929 DATUM.
- PARCEL SHOWN IS LOCATED IN TOWN OF SEEKONK AQUIFER PROTECTION DISTRICT.
- UTILITIES SHOWN ARE AS-BUILT UNLESS OTHERWISE NOTED.
- THE LOT LIES IN A R-4 ZONING DISTRICT AND IS IN A CLUSTER DEVELOPMENT.  
FRONT YARD SETBACK: 20'  
SIDE YARD SETBACK: 10'  
REAR YARD SETBACK: 10'
- I CERTIFY THAT THE PROPOSED WATER SERVICE SHOWN ON THIS PLAN IS IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE SEEKONK WATER DISTRICT.
- APPLICANT: NAJAS REALTY LLC, 111 MILES AVENUE, EAST PROVIDENCE R.I. 02916
- TITLE REFERENCE: DEED BOOK 19914 PAGE 40 (1-30-2012)
- PARCEL IS SUBJECT TO A "NITRATE LOADING ANALYSIS" APPROVED BY THE SEEKONK BOARD OF HEALTH ON NOVEMBER 16, 2012 AND REVISED ON FEBRUARY 16, 2015 AND FILED WITH THE COMMONWEALTH OF MASSACHUSETTS TRANSMITTAL #X215611 CURRENTLY PENDING APPROVAL.



### FAST SYSTEM DETAIL (FOLLOW MANUFACTURES SPECIFICATIONS)

SIZE	A	B	C	VI	H	LI	WI	L2	W2
0.5	500 (GAL)	1000 (GAL)	24"	3"	50"	60"	30"	26"	15.5"

- A = SETTLING ZONE (LIQUID CAPACITY)
- B = FAST CHAMBER (LIQUID CAPACITY)
- C = INFLUENT APERTURE HEIGHT
- VI = VENT SIZE (MINIMUM)
- H = FAST HEIGHT (TOTAL)
- LI = FAST LENGTH (TOTAL)
- WI = FAST WIDTH (TOTAL)
- L2 = FAST LENGTH FROM BACK TO AIR LIFT
- W2 = FAST WIDTH TO AIR LIFT



#### Soil Evaluation & Perc Results

Modified DEP Forms 11 & 12 - Soil Suitability Assessment & Percolation Test for On-Site Sewage Disposal

CLIENT: STEVEN NAJAS  
DATE: 4-12-2012  
ADDRESS: 111 MILES AVENUE, EAST PROVIDENCE, RI 02914  
PERFORMED BY: MICHAEL S. FARIA R.P.E. MA 8278  
WITNESSED BY: BETH HALL  
EXCAVATION CO. BARB SURFACE STONES: NONE

#### DEEP OBSERVATION HOLE LOG

Deep Hole #	Depth (feet)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Moisture (Inches)	Other (Structure, Stones, Consistency, % Gravel)
TP13	0-8	Ap	LOAMY SAND	10YR/2		LOOSE
	8-16	Bw	LOAMY SAND	10YR/8		LOOSE
	16-18	C	SAND, GRAVEL & COBBLES	2.5YR/2	67.7	LOOSE
TP14	0-8	Ap	LOAMY SAND	10YR/2		LOOSE
	8-16	Bw	LOAMY SAND	10YR/8		LOOSE
	16-18	C	SAND, GRAVEL & COBBLES	2.5YR/2	NONE FOUND	LOOSE
TP15	0-8	Ap	LOAMY SAND	10YR/2		LOOSE
	8-16	Bw	LOAMY SAND	10YR/8		LOOSE
	16-18	C	SAND, GRAVEL & COBBLES	2.5YR/2	NONE FOUND	LOOSE
TP16	0-8	Ap	LOAMY SAND	10YR/2		LOOSE
	8-16	Bw	LOAMY SAND	10YR/8		LOOSE
	16-18	C	SAND, GRAVEL & COBBLES	2.5YR/2	67.7	LOOSE

**PERCOLATION TEST**

Percolation Test	Time at 12" (min)	Time at 24" (min)	Time at 36" (min)	Time at 48" (min)
Percolation Test	12-30	12-30	12-30	12-30

**ASSESSMENT OF DEEP HOLE**

SUITABLE	TP13	TP14	TP15	TP16
SUITABLE	X	X	X	X

**SOIL EVALUATION & PERC RESULTS**

### SEPTIC SYSTEM DESIGN AND NOI PLAN

**"PINE HILL ESTATES"**  
#7 JACOBY WAY SEEKONK, MA 02771  
AP 24 LOT 686

OWNER: NAJAS REALTY LLC  
111 MILES AVENUE, EAST PROVIDENCE R.I. 02916

JOB # 12-002-3  
SCALE: 1" = 20'  
DESIGNED BY: MSF  
DATE: APRIL 28, 2014

REVISOR: [Signature]

PROFESSIONAL SEAL: [Signature]

RECEIVED  
MAY 03 2014  
SEEKONK CONSERVATION

**INSITE** Engineering Services, LLC  
PROFESSIONAL ENGINEERS & LAND SURVEYORS  
Precision. Clarity. Certainty.

InSite Professional Complex, Suite 1  
1539 Fall River Avenue Seekonk, MA 02771  
Phone: (508) 336-4500 Fax: (508) 336-4558  
Web Address: InSiteEngineers.com

SHEET 1 OF 1