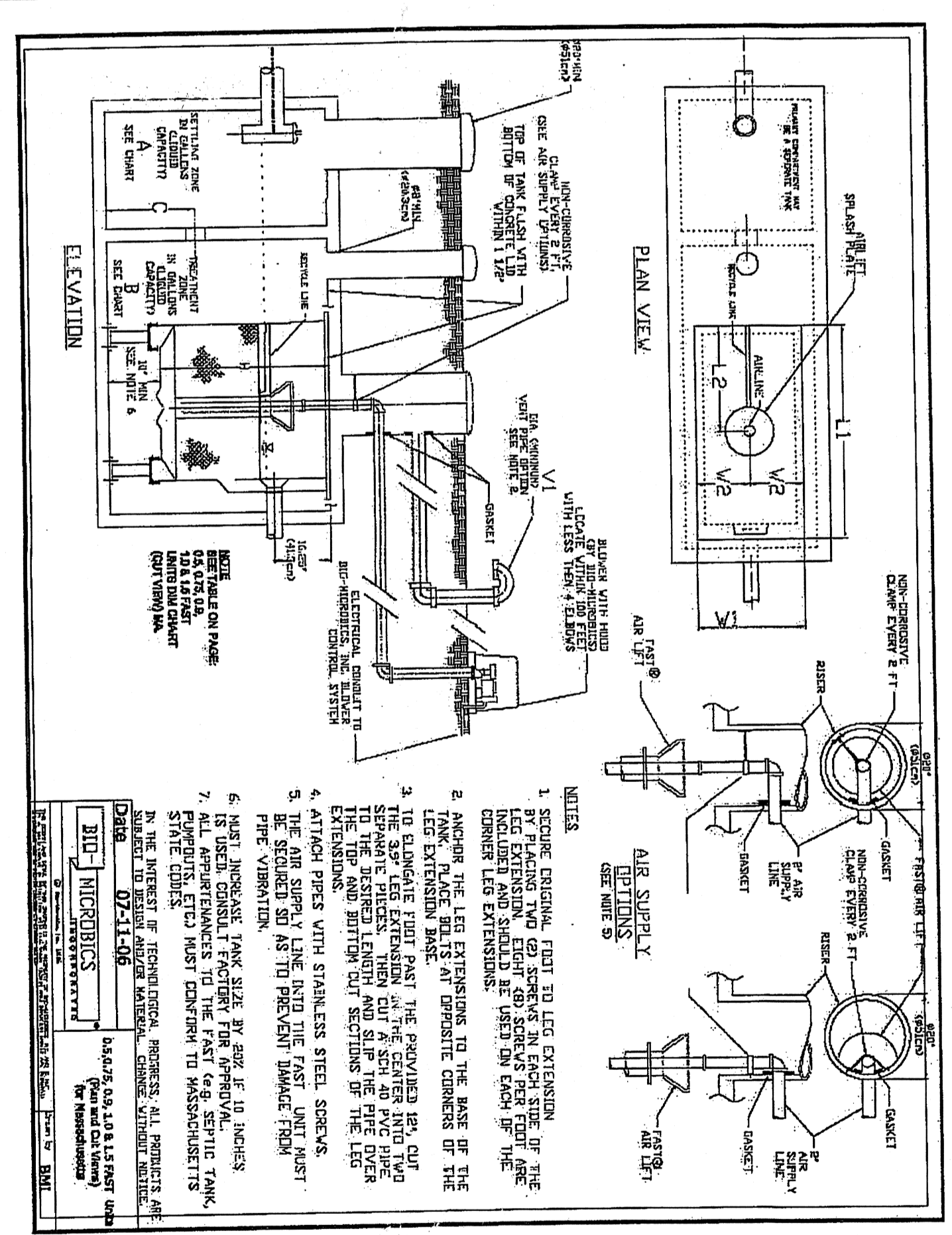


NOTES & SPECIFICATIONS

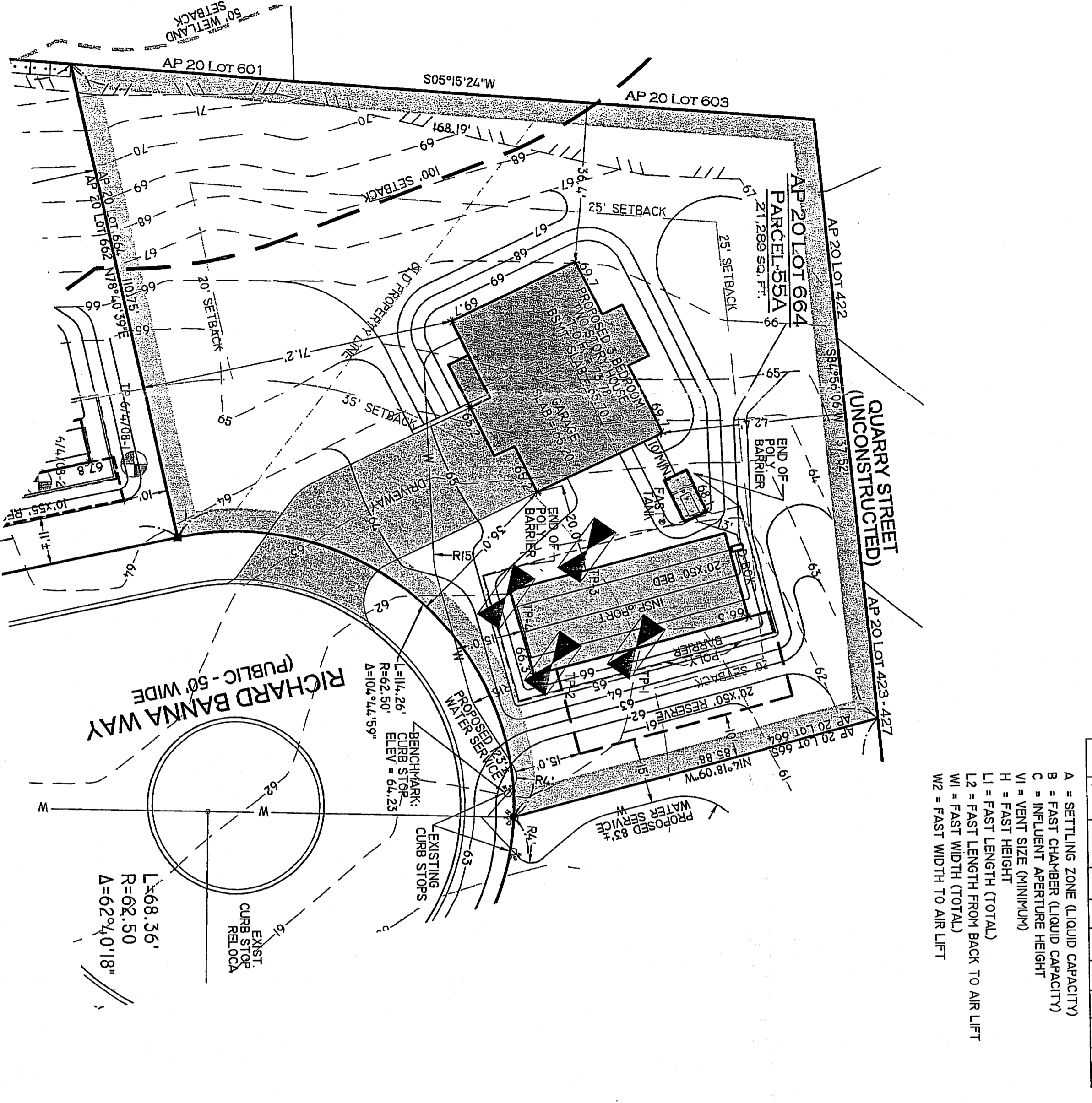
THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE BOARD OF HEALTH & DESIGN ENGINEER. THE REQUIRED INSPECTION SCHEDULE DURING THE PROCESS OF CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE SEWAGE TREATMENT SYSTEM PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE REQUIRED INSPECTION SCHEDULE DURING THE PROCESS OF CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE SEWAGE TREATMENT SYSTEM PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE REQUIRED INSPECTION SCHEDULE DURING THE PROCESS OF CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE SEWAGE TREATMENT SYSTEM PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.



FAST SYSTEM DETAIL (FOLLOW MANUFACTURERS SPECIFICATIONS)

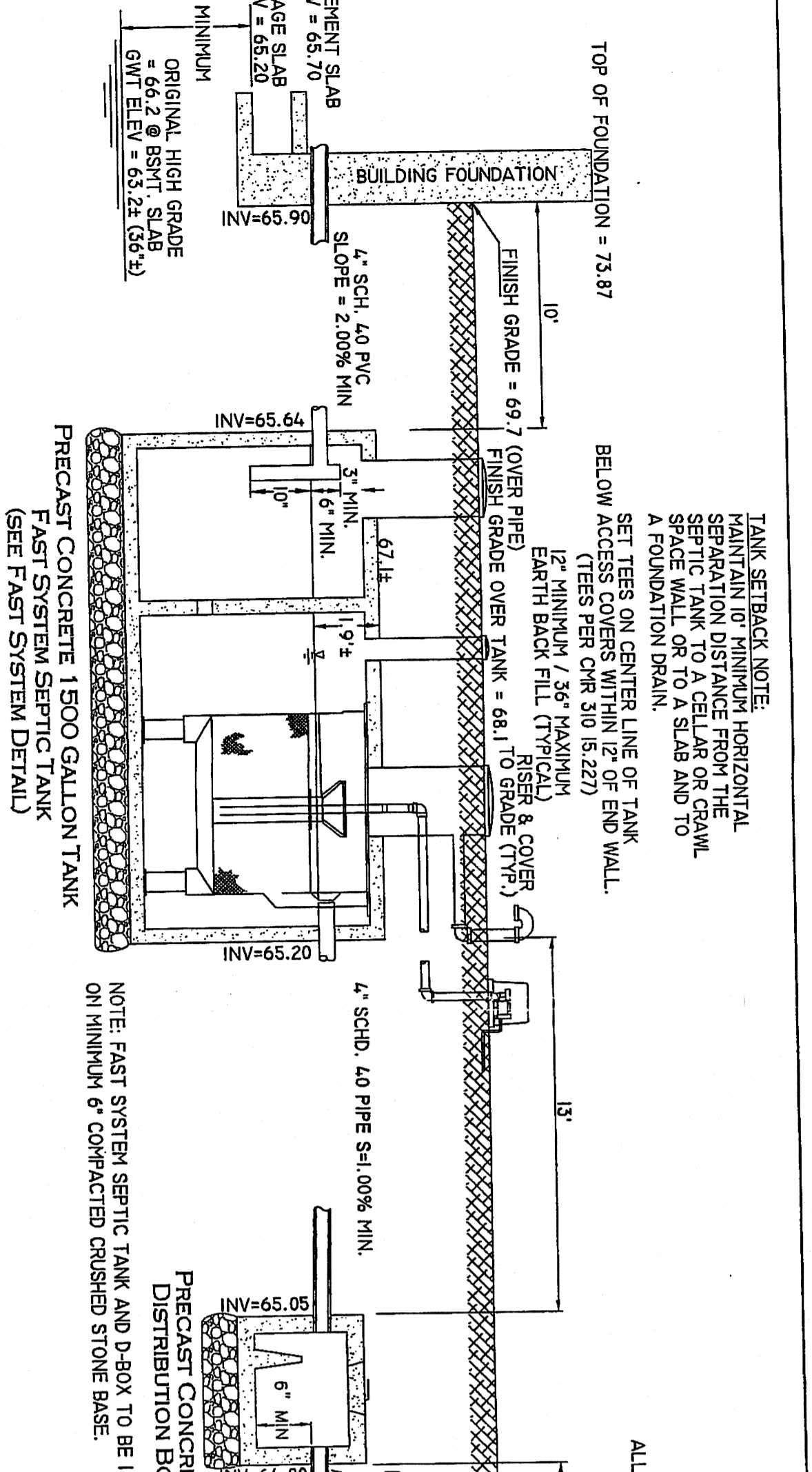
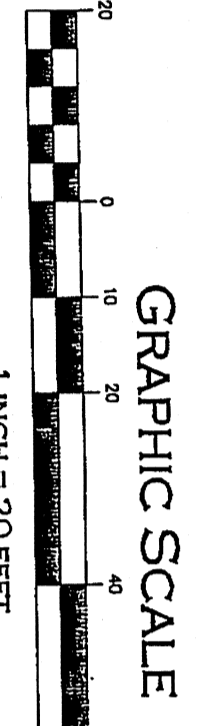
DEEP OBSERVATION HOLE TP 1			
DEPTH	HORIZON	TEXTURE	COLOR
0-5'	A	SL	10 YR 5/1
6-35'	B	SL	10 YR 5/8
35-41'	C	SL	2.5 Y 7/2
OBSERVED GROUND WATER: NO STANDING, NO WEeping			
ESTIMATED HIGH GROUND WATER: 35'			
PERC. RATE @ 42" = < 2 MPH			
DEEP OBSERVATION HOLE TP 2			
DEPTH	HORIZON	TEXTURE	COLOR
0-9'	A	SL	10 YR 5/1
9-28'	B	SL	10 YR 5/8
28-40'	C	SL	10 YR 5/8
OBSERVED GROUND WATER: 96" STANDING, 76" WEeping			
ESTIMATED HIGH GROUND WATER: 35'			
NO PERC. TEST PERFORMED			
DEEP OBSERVATION HOLE TP 3			
DEPTH	HORIZON	TEXTURE	COLOR
0-35'	A	SL	10 YR 5/1
35-40'	B	SL	10 YR 5/8
40-100'	C	SL	2.5 Y 7/2
OBSERVED GROUND WATER: NO STANDING, NO WEeping			
ESTIMATED HIGH GROUND WATER: 40'			
PERC. RATE @ 42" = < 2 MPH			
DEEP OBSERVATION HOLE TP 4			
DEPTH	HORIZON	TEXTURE	COLOR
0-17'	A	SL	10 YR 3/1
17-32'	B	SL	10 YR 5/8
32-100'	C	SL	2.5 Y 7/2
OBSERVED GROUND WATER: 96" STANDING, 84" WEeping			
ESTIMATED HIGH GROUND WATER: 50'			
NO PERC. TEST PERFORMED			

SOIL EVALUATION & PERC RESULTS



LEGEND

SOIL TEST PIT
EXISTING CONTOUR
PROPOSED CONTOUR
PROPOSED SPOT ELEVATION



CROSS SECTION THROUGH SEPTIC SYSTEM

ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAJORITIC MARKING TAPE PER ORS 310 15.22(1)(2)

SIZE	A	B	C	V	I	L	W	L2	W2
0.5 (GAL)	1000	24"	3"	50"	60"	30"	28"	15.5"	

- A = SETTING TONE (LIQUID CAPACITY)
- B = SETTING TONE (LIQUID CAPACITY)
- C = INFLUENT APERTURE HEIGHT
- V = VENT SIZE (MINIMUM)
- I = FAST LENGTH (TOTAL)
- L = FAST LENGTH (TOTAL)
- L2 = FAST WIDTH (TOTAL)
- W2 = FAST WIDTH TO AIR LEFT

DESIGN CALCULATIONS

AVERAGE DAILY SEWAGE FLOW (GALLONS PER DAY)
 (SEWER TANK SIZES (GALLONS) = 231 GPD)
 200% AVERAGE DAILY FLOW = 2 (231) = 462 GALLONS
 3 BEDROOM HOME REQUIRES 1500 GALLON TANK (MINIMUM)
 DESIGNER'S CALCULATED TANK CAPACITY (GALLONS)
 PERC. RATE IN TANK WAS 31 MPH AND TP-3 WAS < 2 MPH
 REQUIRED AREA = 350 GPD / 0.33 GPD / SF = 1060 SF MINIMUM
 REQUIRED AREA = 350 GPD / 0.33 GPD / SF = 1060 SF MINIMUM
 RESERVE AREA = 20' X 50' = 1000 SF

SEPTIC SYSTEM DESIGN PLAN (RECORD PARCEL 55A)

"BANNA ESTATES" (RECORD PARCEL 55A)
 #18 RICHARD BANNA WAY
 SEBOKK, MA 02771
 AP 20 LOT 664

APPLICANT: FALL RIVER AVENUE DEVELOPMENT PARTNERS, LLC
 1539 FALL RIVER AVENUE, SEBOKK, MA 02771

DESIGNED BY: MSF
 DATE: APRIL 23, 2012

PROFESSIONAL SEAL: INSITE Engineering Services, LLC

RECEIVED: APR 24 2012
 REVIEWED: APR 24 2012

SHEET 1 OF 1