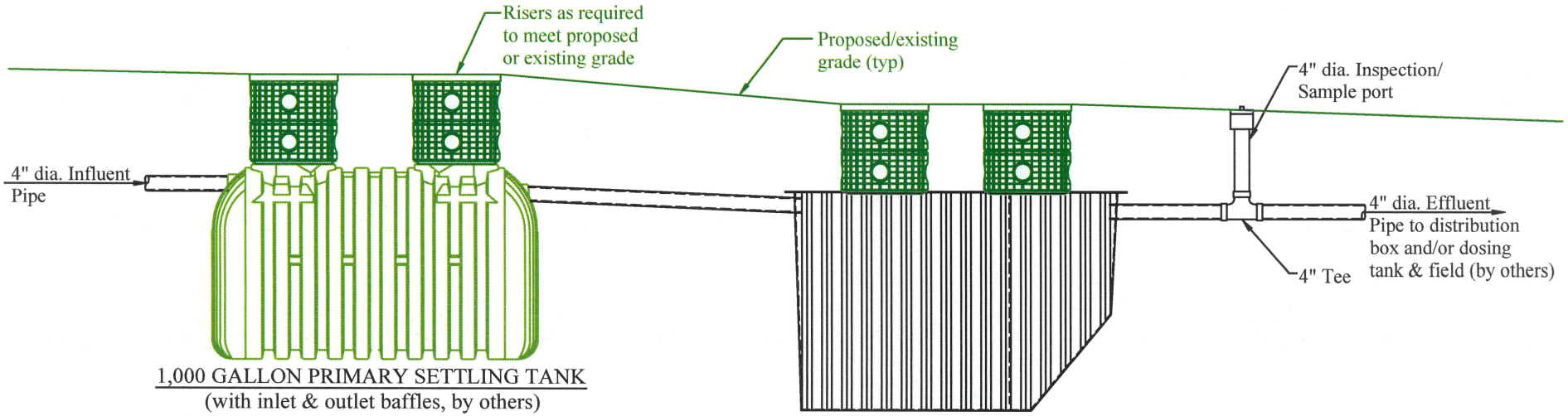


AquaKlear Unit Sizing (based on design flow)					
Design flow (g.p.d.)	Primary Settling Tank Size (gal.)		AquaKlear Treatment Unit		
Per N.J.A.C. 7:9A	Req'd (2/3 design flow)	Provided	Model	Aeration Chamber	Clarification Chamber
500	333	425	AK500FF	520 gal.	188 gal.
750	500	500	AK750FF	806 gal.	285 gal.
800	533	1,000	AK800FF	794 gal.	297 gal.
950	633	1,000	AK1000FF	987 gal.	339 gal.
1,100	733	1,000	AK1500FF	1,439 gal.	548 gal.
1,250	833	1,000	AK1500FF	1,439 gal.	548 gal.
1,400	933	1,000	AK1500FF	1,439 gal.	548 gal.

Notes:

1. This system services 5 bedroom homes.
2. Invert elevations and burial depth to be determined by site design engineer.
3. Pursuant to N.J.A.C. 7:9-8.3(a), a primary settling tank is required (see above design).
4. Manufacturer recommended primary settling tank size is ⅔ of the design flow.
5. Manufacturer requires system designer to comply with all applicable sections of N.J.A.C. 7:9-8.3(b).
6. See manufacturer's literature for influent and effluent pipe locations on respective units.
7. See AquaKlear literature for locations and dimensions of internal components.
8. All system designs to be reviewed by manufacturer's distributor (AquaKlear of New Jersey) prior to permit application request with the Administrative Authority who's jurisdiction the design falls within. AquaKlear of New Jersey will issue a manufacturer approval letter for approved designs.

Rev.	Date	By	Description
1	10/25/20	dbj	Revise Unit Sizing Table

October 25, 2020
Date

David B. Johnson
New Jersey Professional Engineer No. 24GE03436800

David B. Johnson, P.E., LLC
NJ Certificate of Authorization No. 24GA28178200
265 U.S. Hwy. 46, Dover, N.J. 07801

for

AquaKlear of New Jersey
206 Main Street
Andover, N.J. 07821

PROJECT:

AquaKlear Aerobic Treatment Unit
AquaKlear Model Fiberglass AK800 FF
Typical Design Schematic

SCALE:	DATE:	DRAWN BY:	CHK'D BY:	DRAWING #:
n.t.s.	April 4, 2019	lvp	dbj	1 of 1

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