Floc Hog Specification Sheet

The drawings for each guide are not all inclusive and are provided as a starting point for users of the product. The number of Floc Hogs required and the proper PAM product are all established on a case by case basis. Each site has different requirements and needs that must be evaluated properly.

Specifications:

Size: 60" x 8"d

Construction: Schedule 40 for pressure PVC pipe aluminum insert frame for PAM logs.

Connections: 4" cam lock couplings (1) female (1) male – reducers for smaller pumps/connections are available.

Flow Capacity: Up to 500 GPM

Pump requirements: Centrifugal or Diaphragm pump not to exceed 500 GPM or 100 psi.
(NOTE: larger pumps can be used with adapters. If greater than 500 GPM the pump discharge can be split into 4" connections of 2 or more and Floc Hog setup in parallel. See last spec drawing. Head loss is nominal.

PAM (Floc Log) : Uses (4) 10 lb "Hogger Logs" by Applied Polymer Systems, Woodstock GA.

PAM life span: The Hogger Logs are 10 lbs and can treat between 250,000 and 500,000 gallons each. Based on pumping rates a Floc Hog with all 4 logs installed can treat up to 2 million gallons. The actual time is based on pumping rates and other factors such as initial turbidity and coarseness of the particulate in the water.

Basic Usage Instructions and Definitions:

Contact Time: The amount of time the water comes into contact with the PAM (polymer). Slow reactions will require the addition of more Floc Hogs as illustrated.

Mix Time: The amount of time it takes for the PAM (polymer) to capture the particulate and form a floc. NOTE: mixing should be as turbulent as possible.

Conveyance: The process or area where floc will be captured released and tested for compliance.

PAM polyacrylamide: The polymer (floc log, hogger log, etc) that is provided by Applied Polymers. Other manufacturers and types of logs have many other requirements and do not provide necessary toxicity testing which can have disastrous results.

The Floc Hog is designed to be used inline and under pressure.

To increase contact time add more Floc Hogs inline as illustrated.
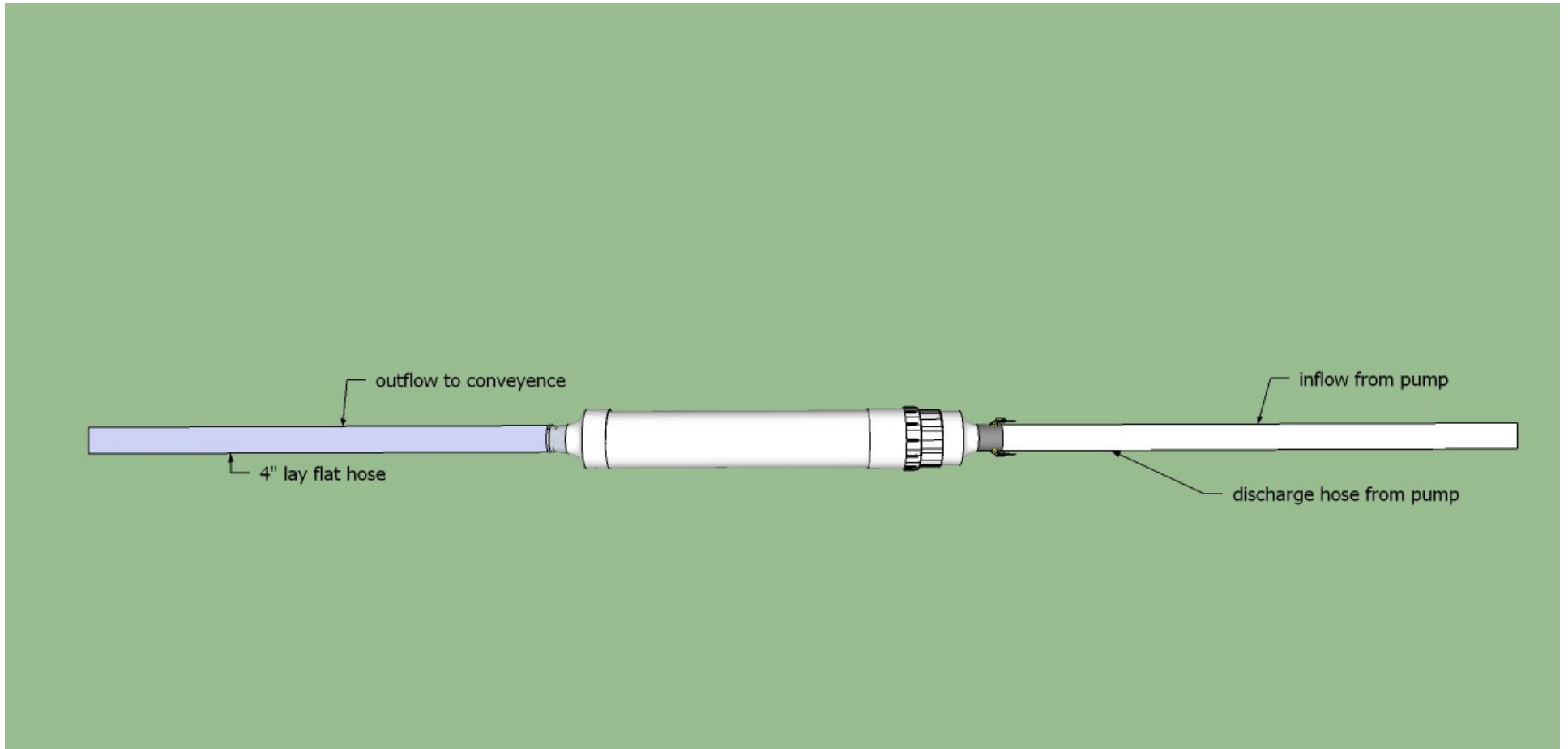
To increase mix time add more hose AFTER the Floc Hog and before any conveyance

There MUST be at least 50' of hose (lay flat type) on the discharge size of the Floc Hog.

To increase mixing capability add more hose on the discharge side; add soft bends or curves to the discharge hose. Any sort of minor obstruction will increase mixing.
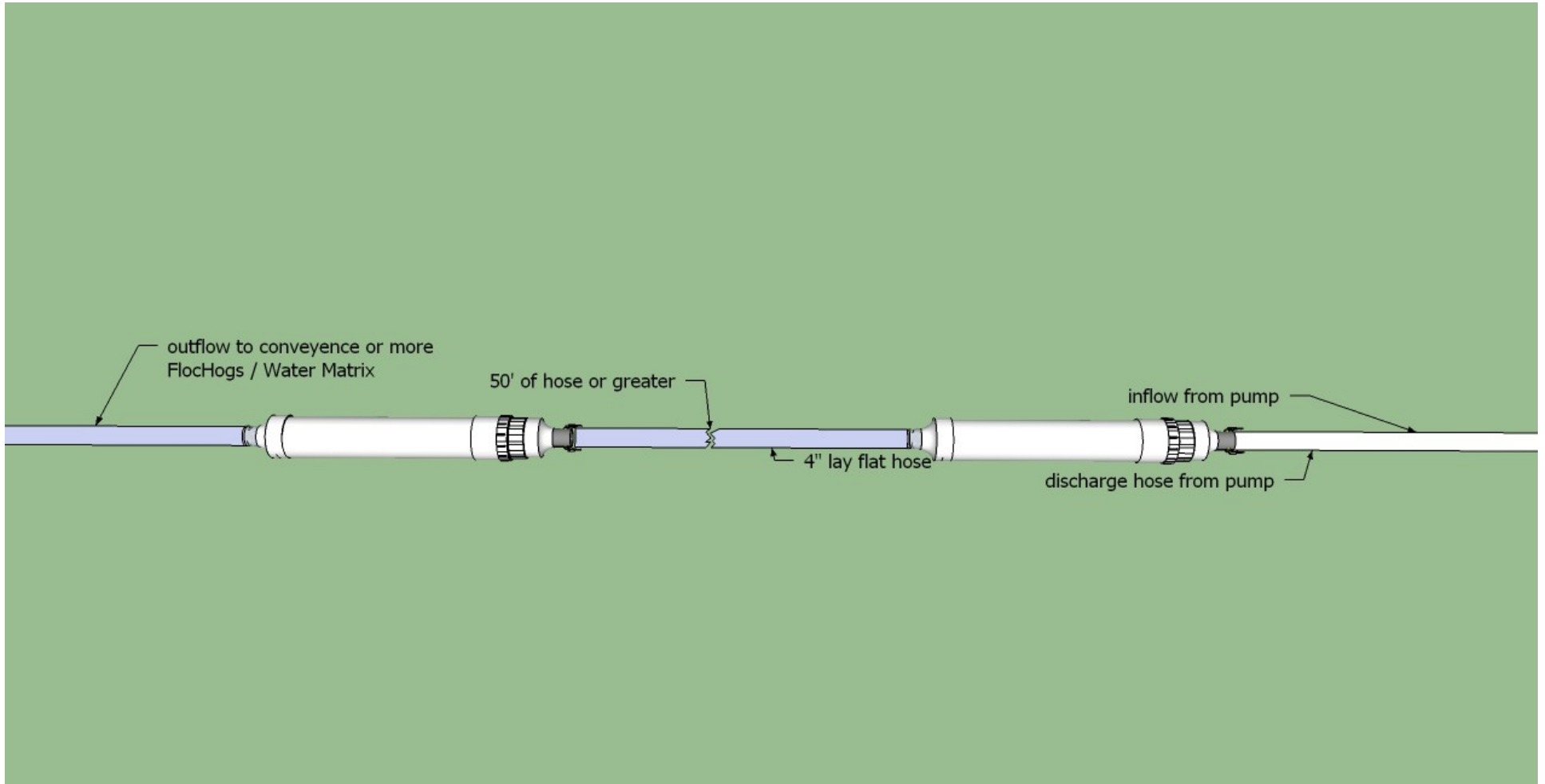If possible use 4" hose on the discharge side.

For more information or detail contact Nick Reale 727-235-1442 – Equipment provided by Interface H2O Zeeland MI. Diagrams and copy are property of Interface H2O.

Floc Hog Specification Sheet

Standard Inline (simple):

outflow to conveyence

4" lay flat hose

inflow from pump
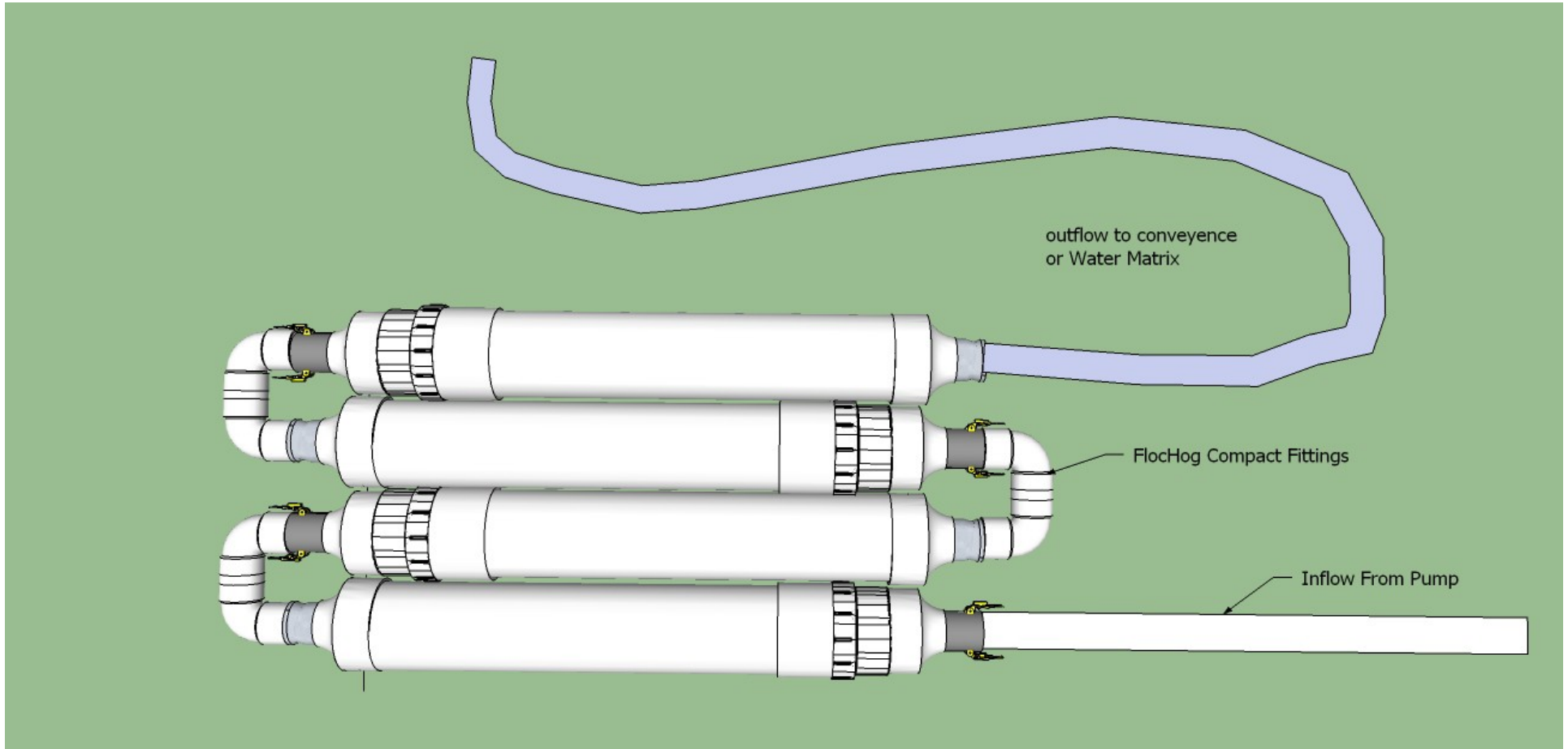
discharge hose from pump

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Floc Hog Specification Sheet

Standard Inline (multiple):

NOTE: you can place a Floc Hog at each hose connection. The last Floc hog in the line MUST have at least 50' hose extend to conveyance. (The total number of Floc Hogs can be adjusted based on need. This is an example only)

outflow to conveyence or more FlocHogs / Water Matrix

50' of hose or greater

inflow from pump

4" lay flat hose

discharge hose from pump

Floc Hog Specification Sheet

Compact Setup:

Provides a high dose of polymer maximizing contact time in a small area. Uses compact fittings (provided at additional cost) by Interface H2O. This can be setup on a trailer or bed of truck for ease of transport and use. (The total number of Floc Hogs can be adjusted based on need. This is an example only)

outflow to conveyence
or Water Matrix

FlocHog Compact Fittings

Inflow From Pump

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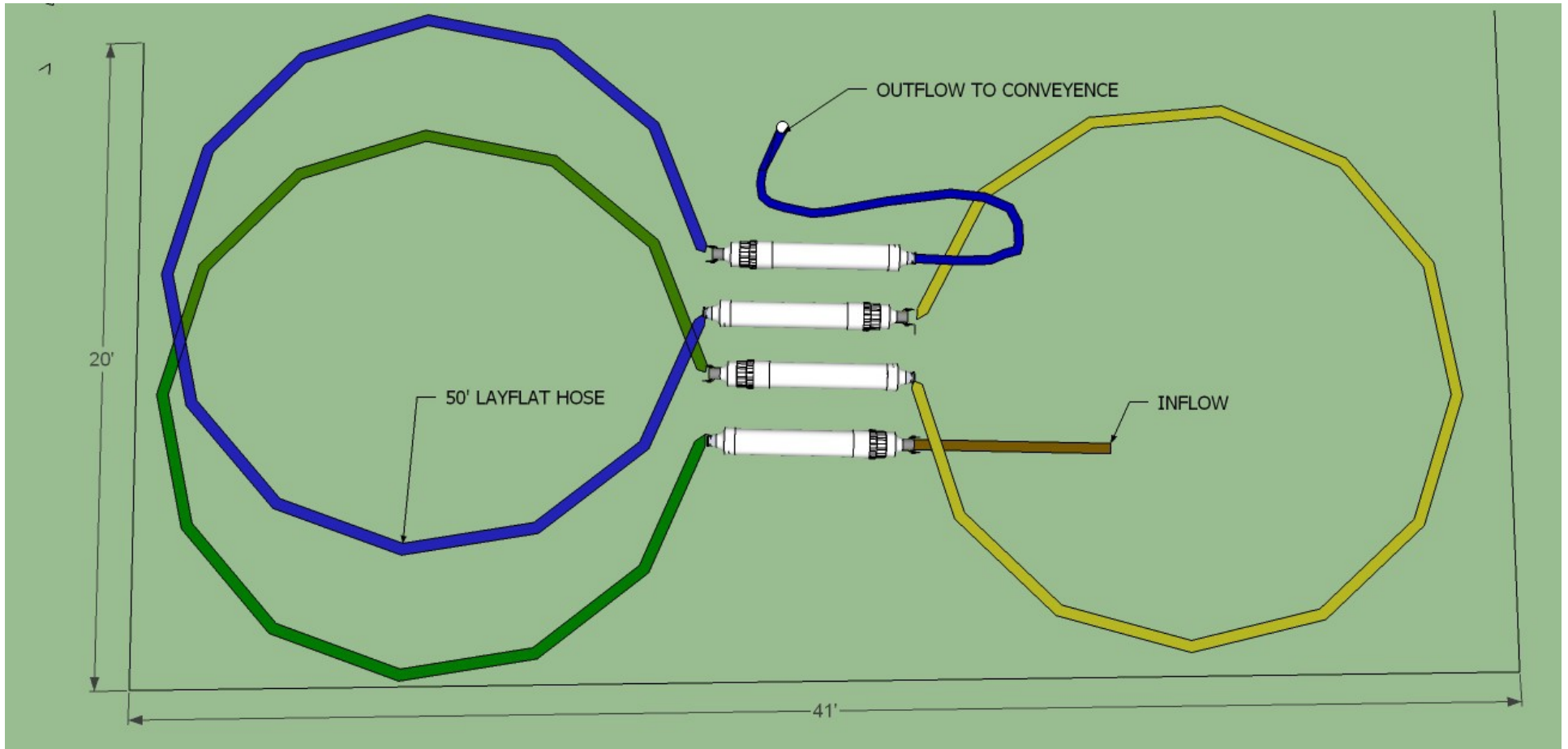
Floc Hog Specification Sheet

Compact Setup with Water Matrix example. If used with the Water Matrix, 50' of discharge hose is not required after Flog Hog discharge. (The total number of Floc Hogs can be adjusted based on need. This is an example only)
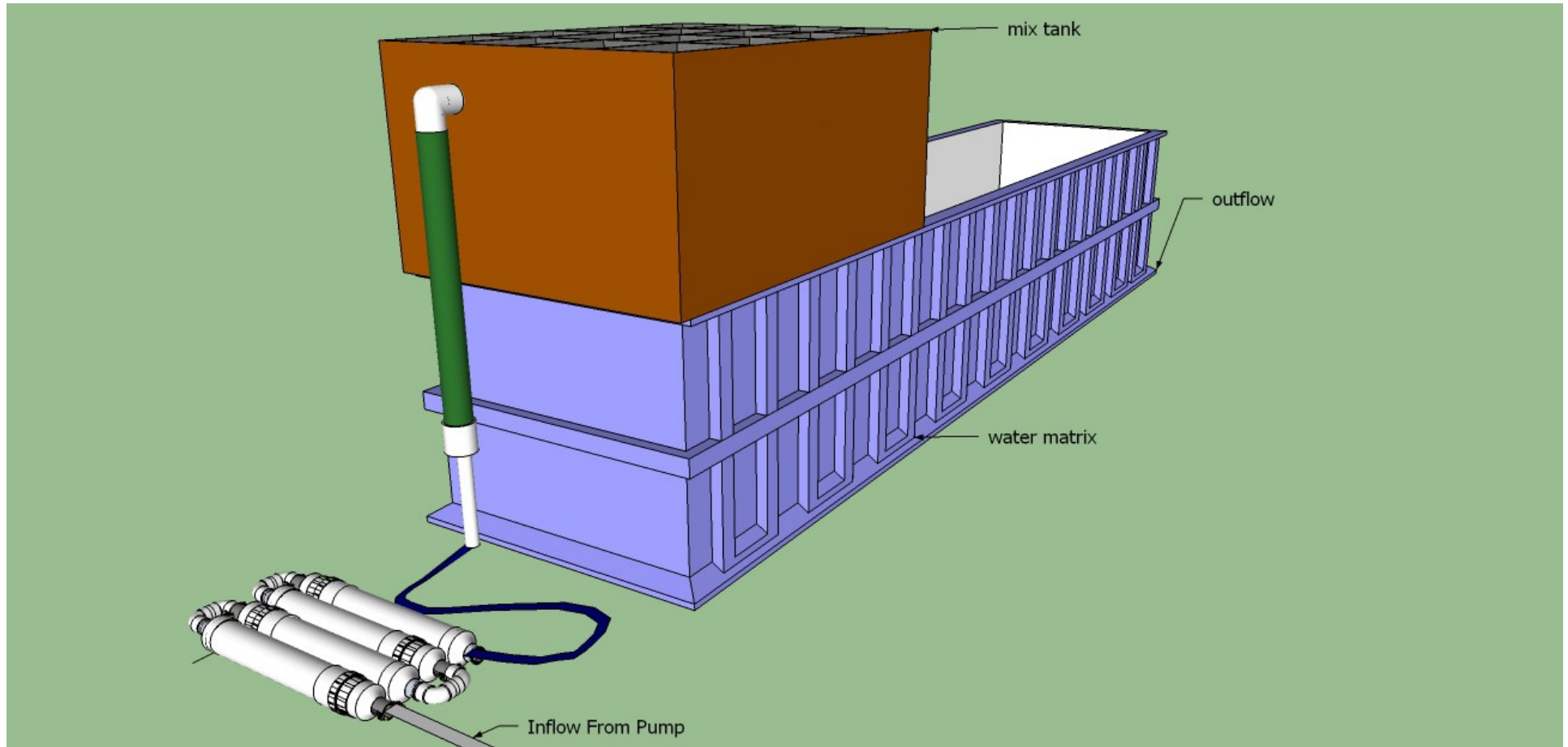
mix tank

outflow

water matrix

Inflow From Pump

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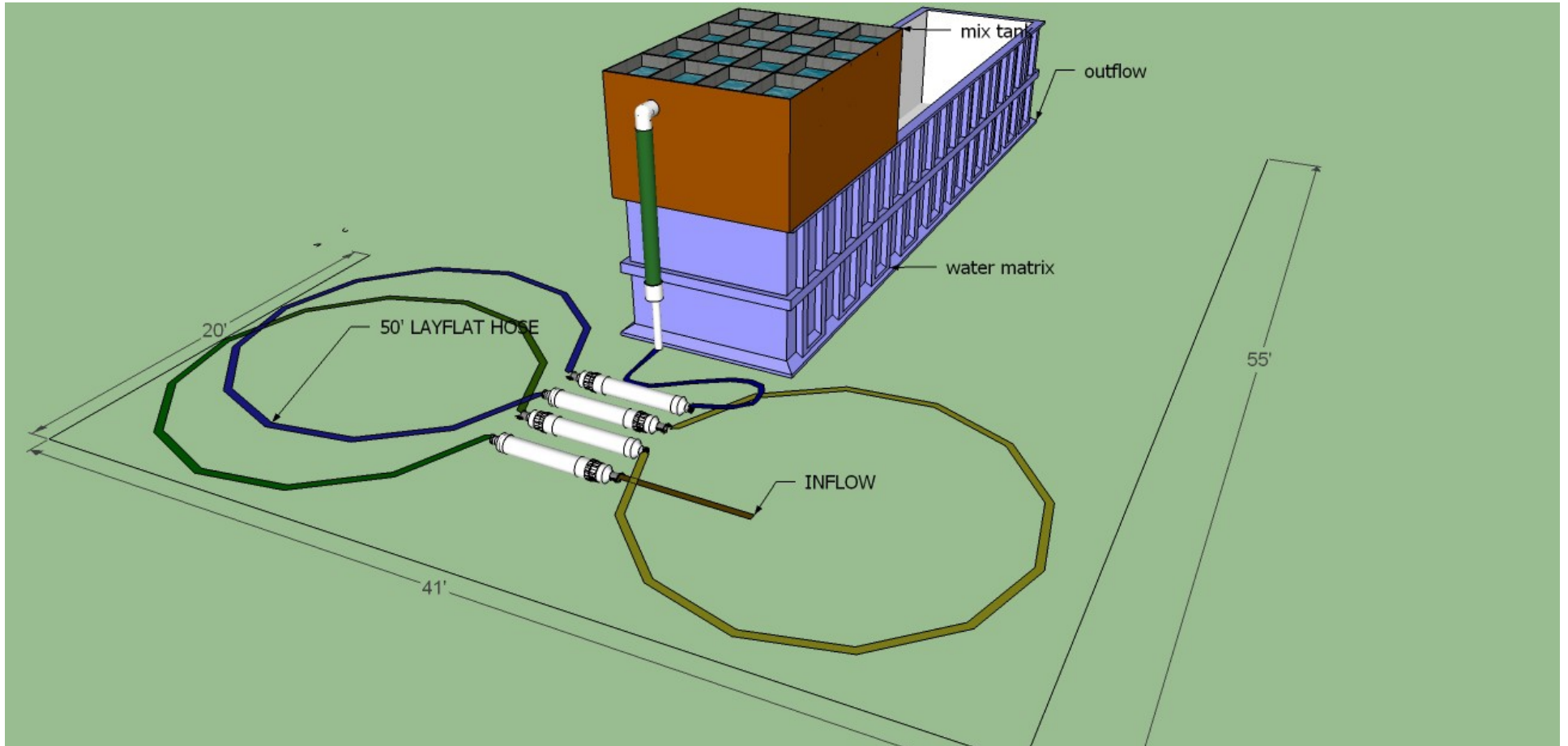
Floc Hog Specification Sheet

Compact setup with increased contact and mix time. (The total number of Floc Hogs can be adjusted based on need. This is an example only)

OUTFLOW TO CONVEYENCE

INFLOW

50' LAYFLAT HOSE

20'

41'

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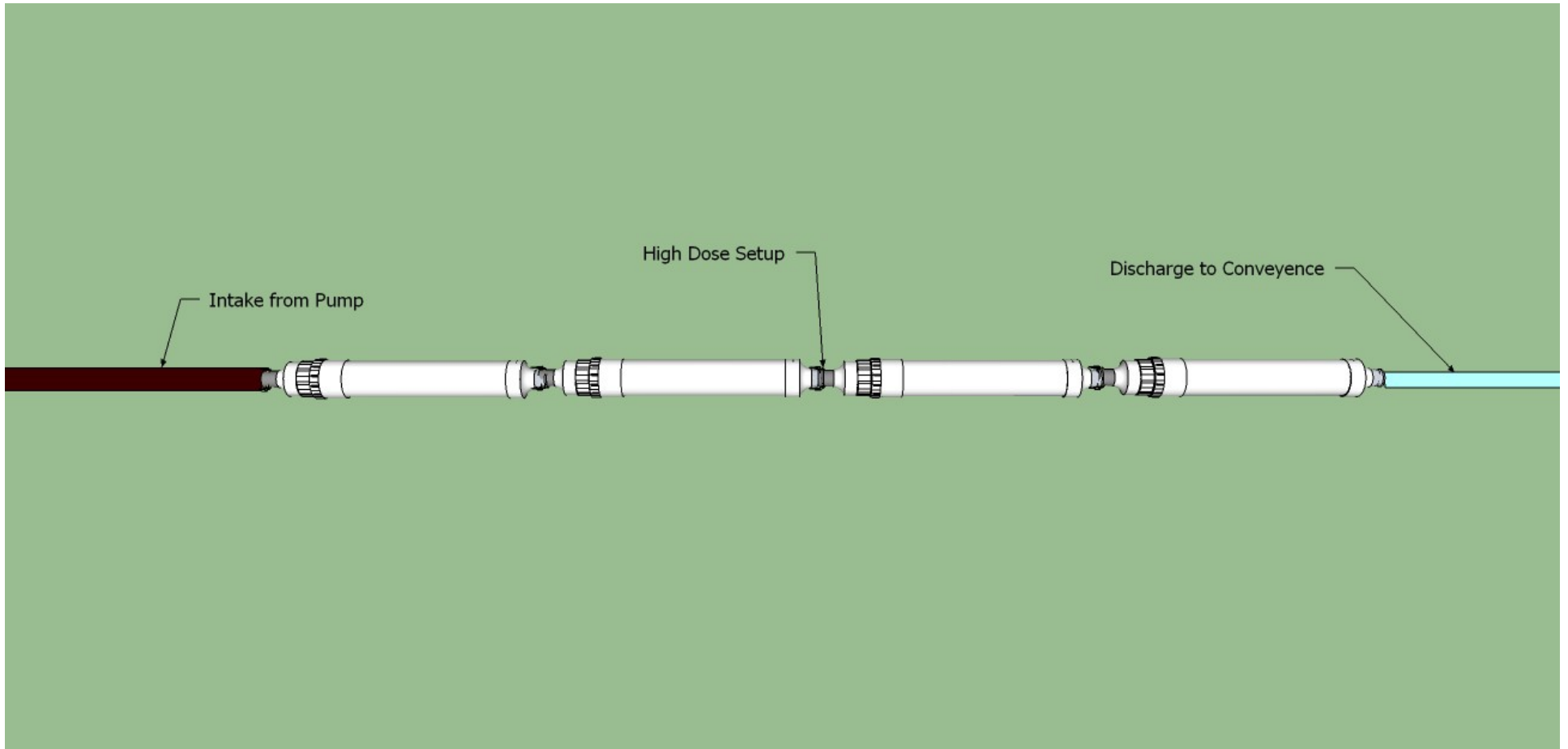
Floc Hog Specification Sheet

Compact setup with increased contact and mix time with connection to Water Matrix (The total number of Floc Hogs can be adjusted based on need. This is an example only).

Floc Hog Specification Sheet

Inline High Dose Setup: Used anywhere inline or when space is not a concern:

High Dose Setup

Discharge to Conveyence

Intake from Pump

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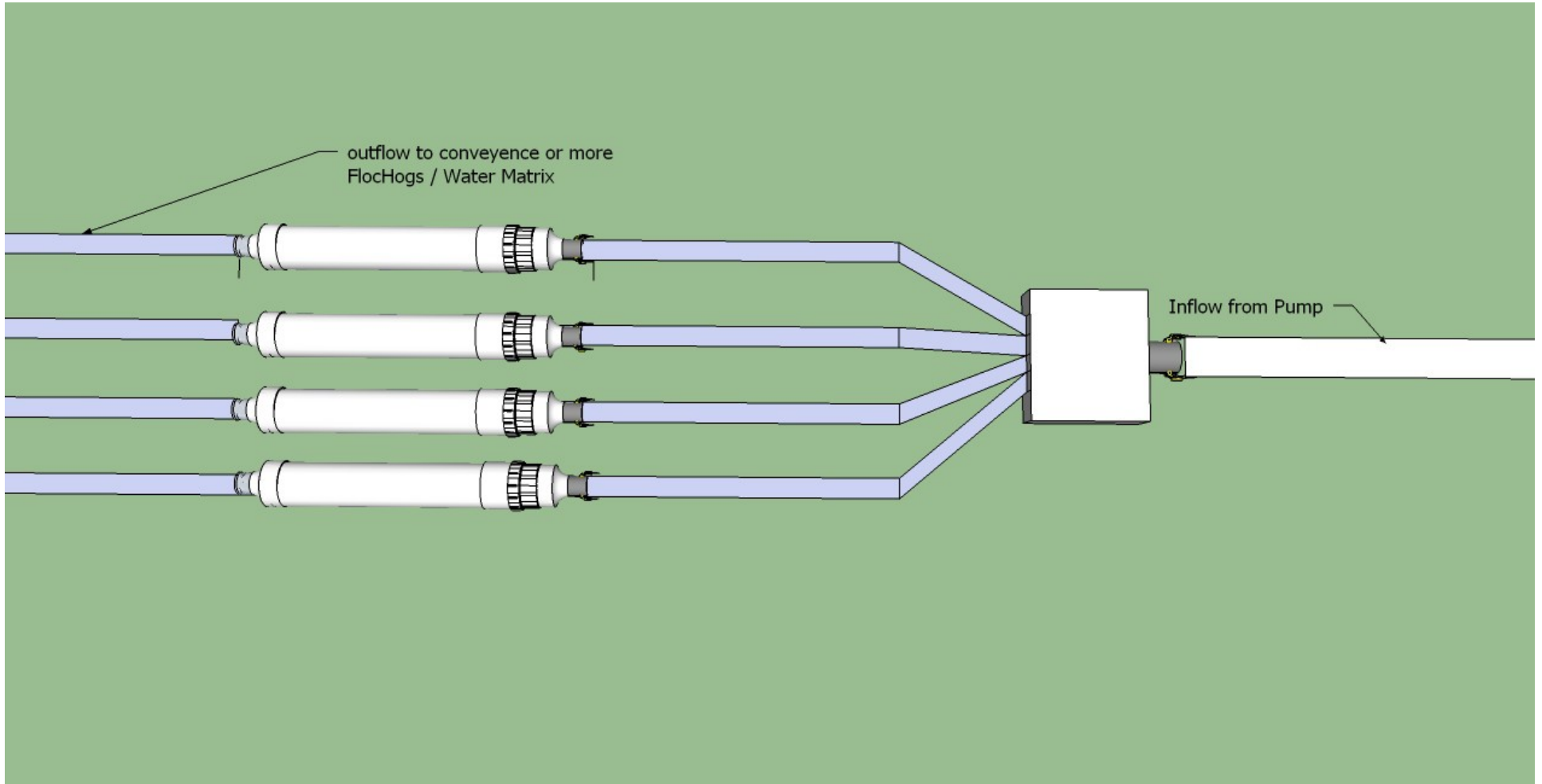
Floc Hog Specification Sheet

Parallel For use with large greater than 500 GPM pumps: (The total number of Floc Hogs can be adjusted based on need. This is an example only). The split manifold shown is not to scale or accurate of the many types available.

outflow to conveyence or more
FlocHogs / Water Matrix

Inflow from Pump

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