

System Layout

Planning your layout is essential to an efficient system and maximizing the potential water delivery.

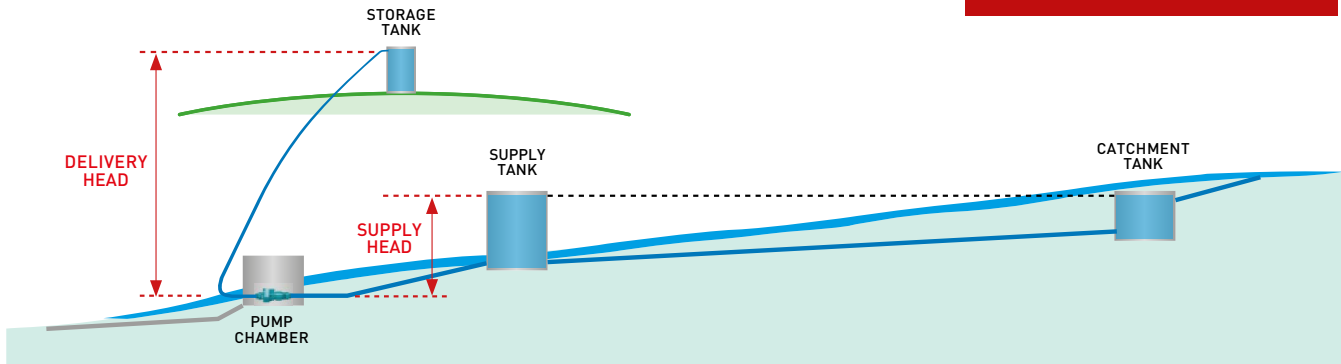
Maximizing the Supply Head is most important.

(the difference in height from your supply tank to the pump)

The greater the Supply Head, the more water you can pump.

The greater the Supply Head, the higher you can pump it.

Your first task is to find the highest water catchment point and the lowest point you can place your pump to maximize the Supply Head.

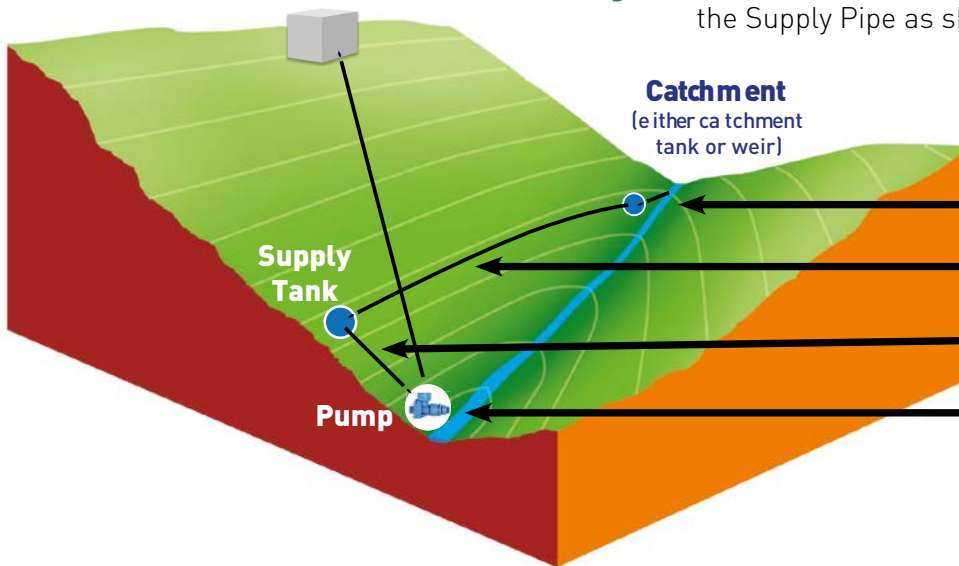


Point of Delivery
(tank, trough or lagoon)



Good Layout

maximizing the Supply Head while keeping the Supply Pipe as short as possible



Water taken from Stream or River at the **highest possible point**.

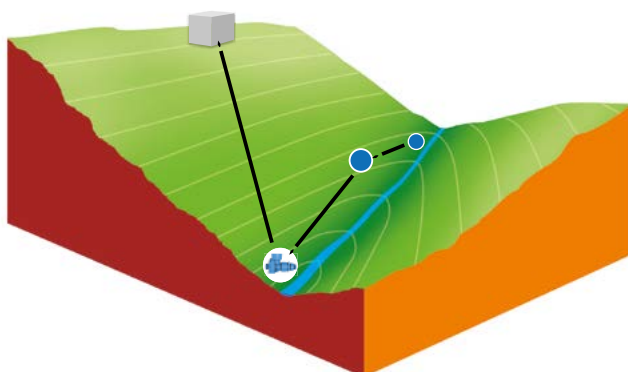
Use the contours of the land to feed your Supply Tank...

...which means it can be closer to your pump and give the **Best Supply Head**.

The Pump should be sited at the **lowest possible site**.



A short (plastic) Feed Pipe and long (metal) Supply Pipe is an inefficient and expensive layout.



Resist placing the pump closer to the delivery point if it means reducing the Supply Head. The Supply Head is much more critical than the Delivery Distance.

