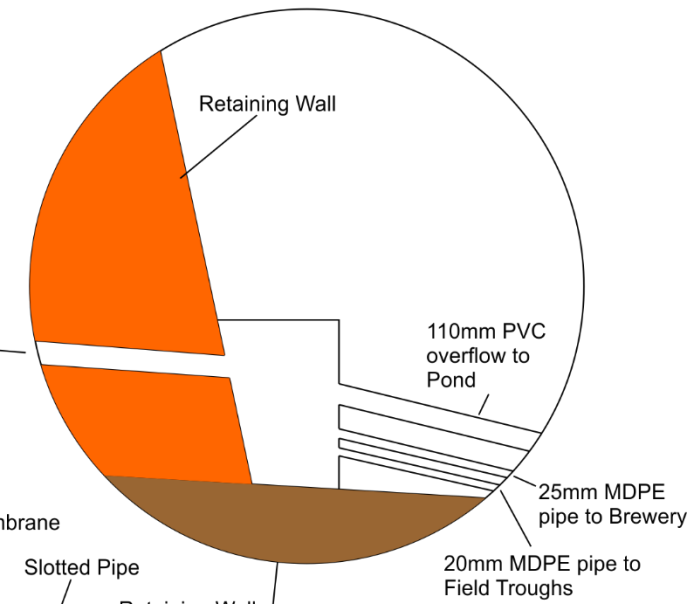


Maximum recorded flow from springs = 2.25l/s
 Maximum water required for brewery = 0.3125l/s

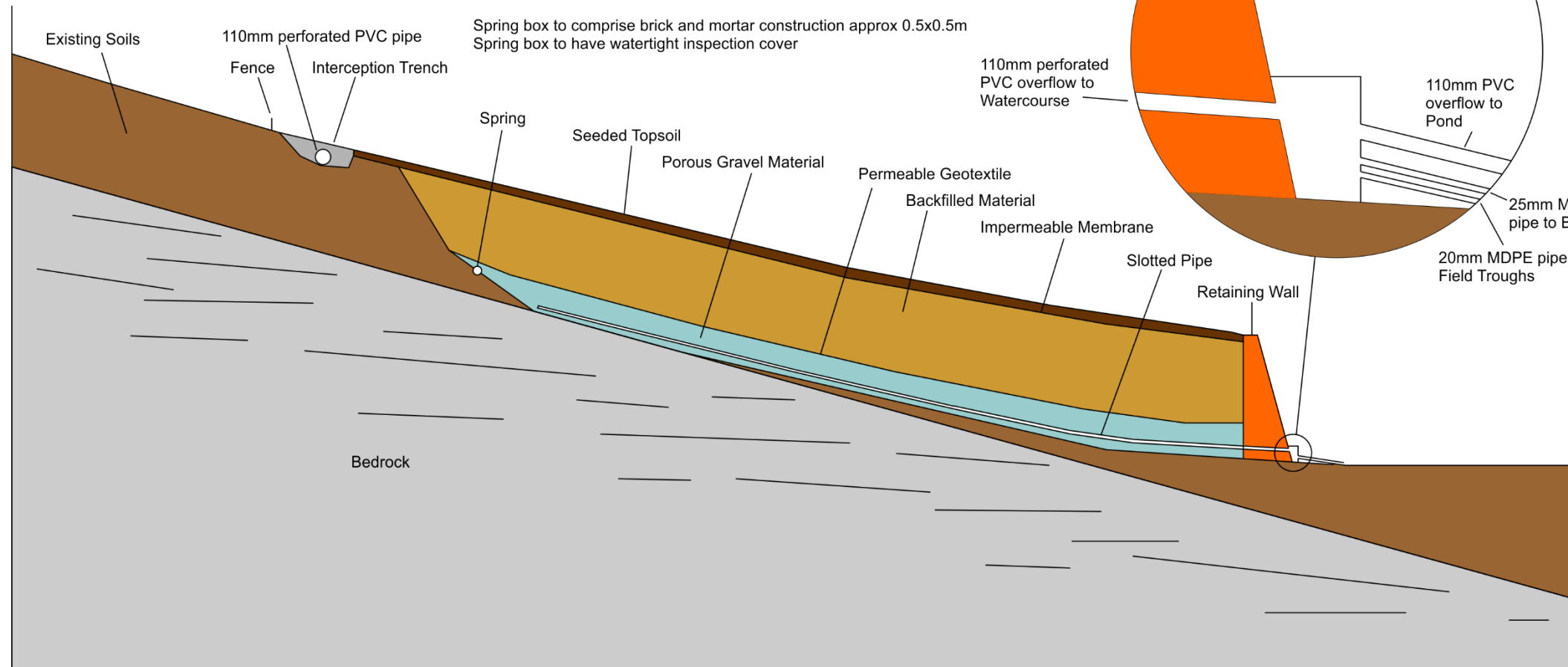
Water to troughs to use 20mm MDPE pipe with flow to be controlled by ball-cock valves at the troughs.

Water to brewery to use 25mm MDPE pipe (allowing for flow of 0.507l/s - as below) with flow into the lower tank to be controlled by a ball-cock valve. A pump within the lower tank (not pictured) will be used to abstract no more than the licensed volume (0.3125l/s) to the brewery storage tank.
 (flow rate of 0.507l/s assumes: 25mm diameter; 150 roughness coefficient; 100m pipe length; 5m drop)

Remaining water to be discharged to the nearby pond via 110mm PVC pipe.
 Perforated pipe to comprise perforated 110mm PVC pipe.



Retaining Wall to be approx. 1m in height.



Spring box to comprise brick and mortar construction approx 0.5x0.5m
 Spring box to have watertight inspection cover

DRAWING B01 – Spring Capture Proposed Design

Client: Mat Feakins

Project: HYG871 Ty'r-Ywen

Ref: HYG871 B01 220411 DD Spring Capture Proposed Design

Date: 11 04 2022

Drawn By: DD

Checked: CB



Telephone: 01873 856813 Email: chris@hydrogeo.co.uk Web: www.hydrogeo.co.uk