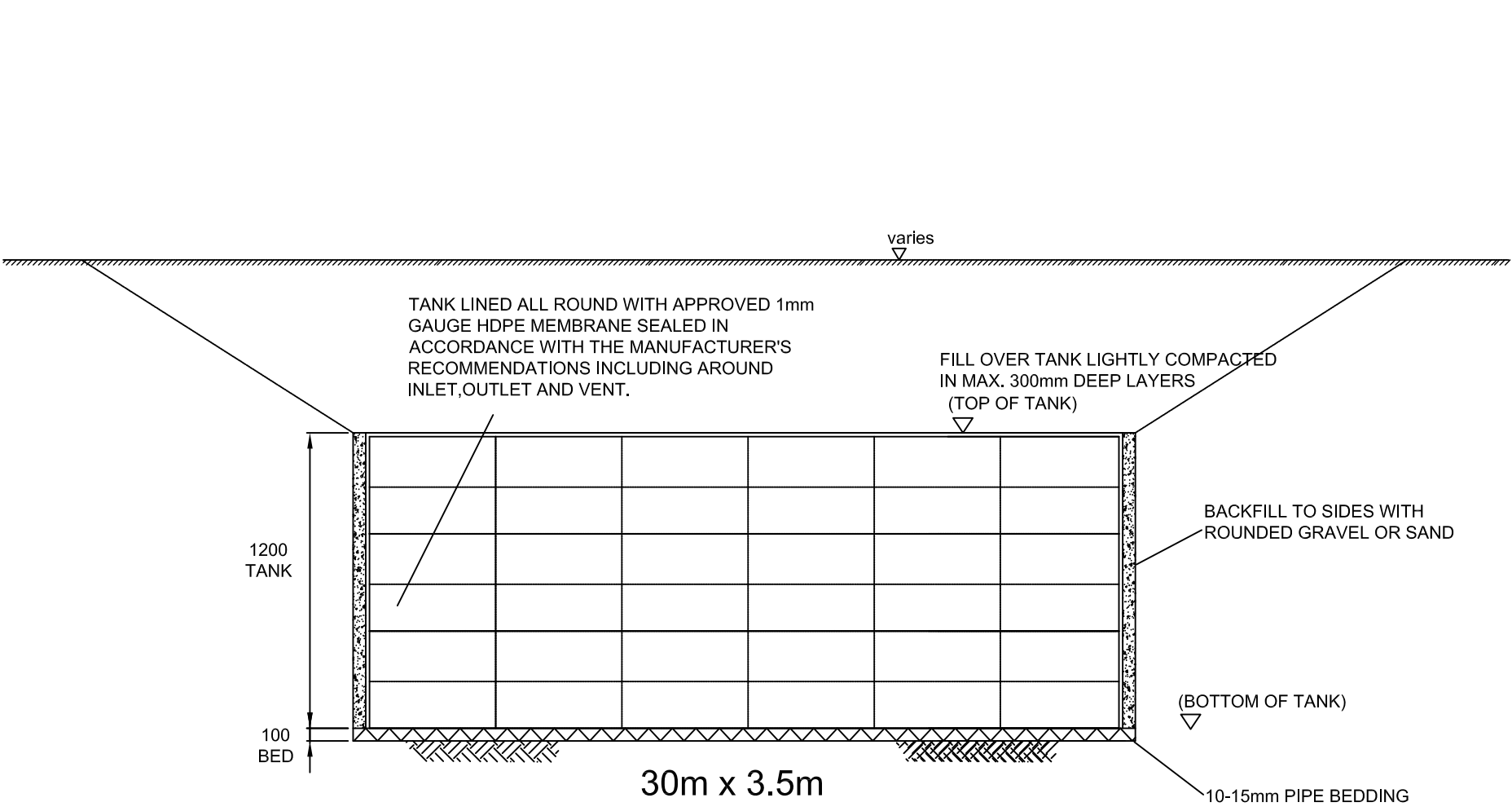




CRATE TANK - CROSS-SECTION (1:50)

Key:

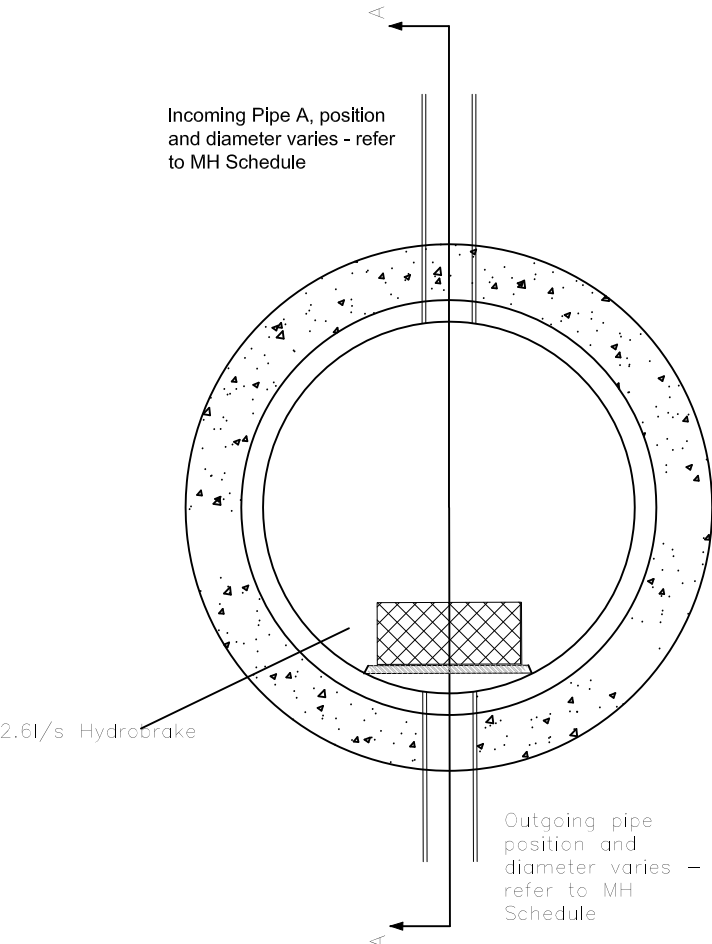
- Road Gullies
- Concrete Manhole Surface Water
- Concrete Manhole Foul Water
- PPIC Manhole Surface Water
- Concrete Manhole Surface Water with 2l/s hydrobrake
- Concrete Manhole Surface Water with 2.6l/s hydrobrake
- Contributing roofed and paved area= 1633m²
- Contributing roofed and paved area= 240m²
- Grate storage tank 1.2m deep
- Permeable Paving with 200mm deep sub base for water treatment

Discharge rate based on ADA5345 Qbar of 2.6l/s for whole site.

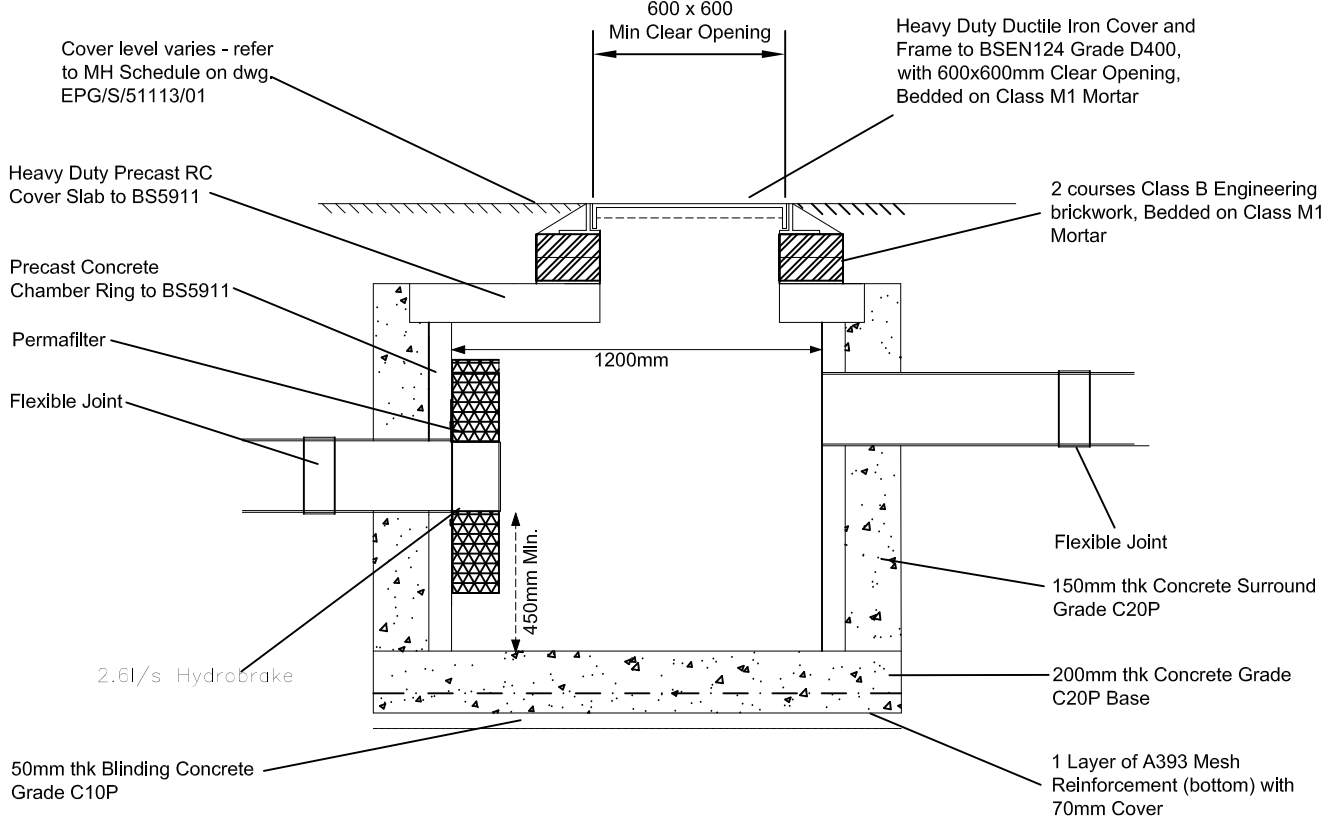
Existing trees adjacent to access road have roots extending under the access road. The tree report recommends limited excavation in this area. Subsequently, tanks are not permitted in the lower part of the access road. Therefore, a 300mm diameter pipe is proposed to provide conveyance and attenuation. Two hydrobrakes have been provided. The upper hydrobrake will limit flows to 1.5l/s and the runoff will be stored within the grate tank located within the upper access road. The hydrobrake at the site entrance will be 2.6l/s.

100yr+CC40% total volume over duration is 115.8m³. Grate tank 30m by 3.5m by 1.2m deep provided.

Existing surface water and foul sewer invert to be verified before construction of SW drainage.



TYPICAL 1200mm FLOW CONTROL CATCHPIT MANHOLE



TYPICAL 1200mm FLOW CONTROL CATCHPIT MANHOLE
SECTION A-A SCALE 1:25

REV	DESCRIPTION	DATE
O	For Approval/costing	28/07/22
A	For Approval/costing	10/10/22

EWE Associates Limited
Windy Ridge Barn
Thealby Lane
Winterton
Scunthorpe
DN15 9TG
Tel: 07875 972270
Email : lea.favill@eweassociates.com

PROJECT
Residential Development off Cemetery Road Heckmondwike

CLIENT
Mr Alan Craig

DRAWING TITLE
Drainage Strategy

SCALE
1:150

DATE
10/10/2022

DRAWN BY
LJF

CHECKED BY
JF

REVISION
A

DRAWING No
EWE/2707/01