



High level outflow pipe to existing manhole to be used temporarily during pumping activities in case of pump failure, until permanent outfall is installed. Pipe is to be sealed off in SMH 5.22 following commission of new outfall. Contractor to confirm condition of existing chamber and outfall and levels.

CANAL OUTFALL 1 (PROPOSED)
IL 29.504
Arrangement as per Hydrock Geotechnical detail drawing Refer to Drainage Details Sheet 8.
FMR-C-SITE HYD-DR-Q1-0217 for headwall arrangement. Headwall invert level at 29.504m (above existing canal water level)
Contractor to use angled bend connections to ensure drainage run can be maintained
Canoeck arrangement for barge emptying foul waste water from barge pump. Refer to OCS specification for connection arrangement. Note this is to be similar product to offsite existing arrangement. Rising main sizing to match barge owner existing circumstance (40mm/s). Difference in head approximately 875mm.
400mm PE pipe to match Jabsco utility pump requirements. To be confirmed by OCS, Barratts London and Barge owner to ensure correct sizing.
2no. 3000 outfall pipes have nominal fall, to ensure minimum discharge velocity is less than 0.3 m/s.
It is imperative these pipes are laid correctly with no depressions with suitable bedding and cover to prevent movement. Catchpit chamber upstream to limit sediment build up within pipes.
Twinnwall Ridgeline to be used or similar product.

AREA = 15,850M2
DEPTH = 0.450M (MINIMUM DEPTH)
VOLUME = 7,132 m3
VOID CAPACITY = 2,139 m3

FOR DETAILS OF SERVICES INCLUDING UTILITIES INCOMING TO THE BLOCK AND EXTERNAL REFER TO DRAWINGS BY OCS.