



PENSTOCK SUPPLIER:
 PHEILM MURRAY
 TEL: 01 6888319
 KWT TYPE: ITEM NR 21120600 FOR 500#

HYDROBRAKE SUPPLIER:
 HRD TECHNOLOGIES
 TEL: 01 4013964

HYDROBRAKES FOR SHD DEVELOPMENT
 A1 CATCHMENT (LOWER LAKE) = 161 L/S
 A2 CATCHMENT (UPPER LAKE) = 219 L/S

HYDROBRAKE MANHOLE & WEIR NOTES:

1. INLET PIPE TO SEDIMENT CHAMBER AND TO HYDROBRAKKE CHAMBER. PROVIDE 0.5M X 0.5M SQUARE OPE WITH STAINLESS STEEL GUAGE 60mm X 60mm TO PREVENT HYDROBRAKE BLOCKAGE. PROVIDE LINTEL OVER OPES, U.N.O.
2. PENSTOCK WITH STAINLESS STEEL SPINDLE TO WITHIN 50mm OF TOP OF COVER SLAB. OPE TO BE FORMED WITH 100# UPVC PIPE (TO BE REMOVED WHEN SET), CENTERED ON SPINDLE.
3. CLAY LINER THAT IS REMOVED FROM UNDERSIDE OF MANHOLE AREA SLAB TO BE REUSED TO FORM A SEAL BETWEEN NEW STRUCTURE AND EXISTING WALLS.
4. FORMATION BETWEEN WEIR WALLS TO BE CONFIRMED ON SITE. WEIR WALLS TO BE SEALED WITH CLAY DOWN TO ORIGINAL CLAY LINER (IF IN PLACE). OTHERWISE SEAL ALL INTERNAL FACES OF WEIR WALLS AND BACK AND FLOOR OF WEIR.
5. REFER TO CORA ENGINEERING DRAWINGS AND SPECIFICATIONS FOR EXISTING WEIR WALLS, SPILLWAY AND LAKE RETAINING WALL REMEDIATION.

Ordnance Survey
 Ordnance Survey Ireland Licence No. EN 0006022 © Ordnance Survey Ireland/Government of Ireland.

REV.	DATE	AMENDMENT	DRN	APPD

STATUS
FOR PLANNING
NOT FOR CONSTRUCTION

Waterman Moylan
 Engineering Consultants
 BLOCK 9, EASTPOINT BUSINESS PARK, ALFIE BYRNE ROAD, DUBLIN D03 H3F4 IRELAND.
 Tel: (01) 664 8900 Fax: (01) 661 3618
 Email: info@waterman-moylan.ie www.waterman-moylan.ie

CLIENT	GERARD GANNON PROPERTIES
ARCHITECT	CONROY CROWE KELLY / WILSON ARCHITECTURE
PROJECT	PROPOSED STRATEGIC HOUSING DEVELOPMENT AT BELCAMP, DUBLIN 17
TITLE	LOWER EASTERN LAKE WEIR HYDROBRAKE MANHOLE DETAILS

DRAWN DA	DESIGNED DA	APPROVED MD	DATE APRIL 2022
SCALE 1:50 @ A1	DRG NO. 19-114	PRJ NO. P2405	REVISION

PLAN OF HYDROBRAKE MANHOLE / WEIR AREA

© 2015. This drawing is copyright. No part of this document may be re-produced or transmitted in any form or stored in any retrieval system of any kind without the written permission of the consulting engineer or copyright holder except as agreed for use on the project for which the document was originally issued.