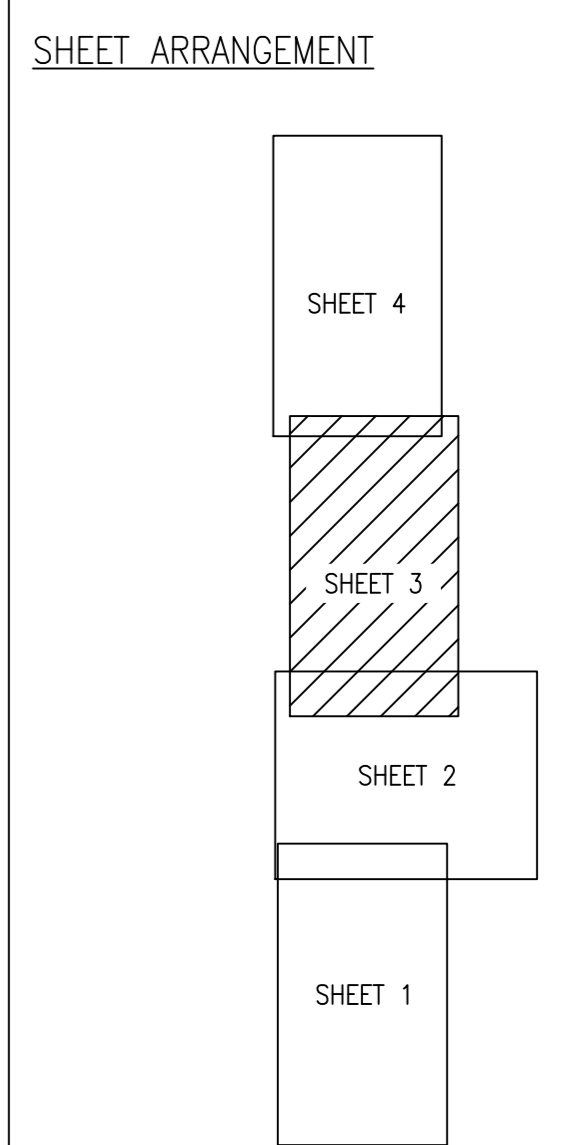


- NOTES:**
- DO NOT SCALE THIS DRAWING.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS, ARCHITECTS AND SPECIALIST DESIGN DRAWINGS AND DETAILS.
 - ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE. ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
 - ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
 - THE CONTRACTOR SHALL CHECK ALL TIE-INS FOR LINE AND LEVEL WITH EXISTING BEFORE COMMENCING ANY WORKS. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IN WRITING, SHOULD ANY ERRORS BE FOUND.



A	SILT FENCE ADDED TO HEADWALL S7	EM	EM	EM	05.04.22
-	FIRST ISSUE	NB	DMH	EM	22.03.22
REV:	AMENDMENTS:	DRN	CHK	APP	DATE:
PROJECT: PASTURE LANE GADESBY					
DRAWING TITLE: DRAINAGE ARRANGEMENT SHEET 3 OF 4					
CLIENT: CADEBY HOMES LTD					
DRAWING NUMBER: 24438_02_020_01.3					
REVISION: A	SHEET SIZE: A1	SCALE: 1:200			
STATUS: FOR INFORMATION / APPROVAL					
M-EC Consulting Development Engineers				Telephone: 01630 264 753 Email: group@mec.co.uk Website: www.mec.co.uk ORDNANCE SURVEY © CROWN COPYRIGHT 2015. ALL RIGHTS RESERVED. LICENCE NUMBER 100055865.	

SURFACE WATER FLOW CONTROL CHAMBER WITH HYDROBRAKE, LIMITING FLOW TO 2.5 l/s.
DESIGN HEAD 0.950, UNIT REF. SHE-0076-2500-0950-2500 FROM HYDRO INTERNATIONAL.

TEMPORARY SILT FENCE TO BE FITTED AT HEADWALL S7 DURING CONSTRUCTION TO PREVENT ANY SILT/DEBRIS ENTERING THE FLOW CONTROL CHAMBER.

BALANCING POND:
(MAX VOLUME 201m³ TO ACCOMMODATE STORAGE UP TO A 1:100YR + 40% CLIMATE CHANGE STORM EVENT)
BED LEVEL = 106.500m
WATER LEVELS:
1:2YR = 106.758m
1:30YR = 107.015m
1:100YR+40%CC = 107.427m
MAXIMUM DEPTH OF WATER = 0.927m
FREEBOARD DEPTH = 0.323m
TOP OF BANK LEVEL = 107.750m (min)
SURFACE WATER FLOW TO BE RESTRICTED VIA A HYDRO-BRAKE OR SIMILAR FLOW CONTROL DEVICE TO 2.5 l/s.
INTERNAL EMBANKMENTS TO BE CONSTRUCTED AT A MAXIMUM 1 IN 4 GRADIENT & 1 IN 2 GRADIENT FOR TIE IN TO EXISTING GROUND FROM MINIMUM TOP OF BANK LEVEL.

S8 1200#
CL 107.750
IL 106.500(225#)
IL 106.500(300#)

S7 HW
CL 107.750
IL 106.528