



DO NOT SCALE FROM THIS DRAWING

REFERENCE

- INDICATIVE SITE BOUNDARY
- EXISTING ANGLIAN WATER FOUL SEWER
- EXISTING ANGLIAN WATER FOUL SEWER MANHOLE
- EXISTING ANGLIAN WATER SURFACE SEWER
- EXISTING ANGLIAN WATER SURFACE SEWER MANHOLE
- PROPOSED PRIVATE SURFACE WATER SEWER APPLICATION DC/18/02146
- PROPOSED PRIVATE SURFACE WATER MANHOLE APPLICATION DC/18/02146
- ▨ SURFACE WATER SEWER EASEMENT
- PUBLIC SWS PROPOSED DIVERSION
- PUBLIC SURFACE WATER MANHOLE PROPOSED DIVERSION
- x-x- PROPOSED SECTION OF SEWER TO BE ABANDONED
- ▲ PROPOSED PUMPING STATION LOCATION
- INDICATIVE FOUL RISING MAIN ROUTE
- ▨ WATERCOURSE EASEMENT
- POND TIE-INS
- ▨ POND 3.5m MAINTENANCE STRIP
- POND
- FLOOD ZONE 2
- FLOOD ZONE 3
- SURFACE WATER FLOOD EXTENTS 30YR
- SURFACE WATER FLOOD EXTENTS 100YR
- SURFACE WATER FLOOD EXTENTS 1000YR
- SURVEY CONTOURS (m AOD)

- NOTES**
1. DO NOT SCALE FROM THIS DRAWING. ALL DIMENSIONS MUST BE CHECKED/VERIFIED ON SITE.
 2. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
 3. ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM.
 4. TOPOGRAPHICAL SURVEY BY MIDLAND SURVEY LTD, DWG NO 38441, DATED MARCH 2021.
 5. BASED ON SITE PLAN AS PROPOSED PLAN BY CAM ARCHITECTS DRAWING NUMBER 1651 DR-A-PL17 REV D.
 6. SURFACE WATER FLOOD RISK AND FLOOD ZONES FROM EA DATA.
 7. ATTENUATION DESIGNED FOR ALL EVENTS UP TO AND INCLUDING THE 100yr + 40% CLIMATE CHANGE STORM.
 8. FEH13 RAINFALL STATISTICS USED IN ATTENUATION CALCULATIONS.
 9. ATTENUATION BASIN LOCATION INDICATIVE ONLY AND SUBJECT TO DETAILED DESIGN.

POND 1
 REQUIRED ATTENUATION VOLUME: 828.5m³
 REQUIRED SURFACE AREA (INCLUDING 300mm FREEBOARD): 1461.9m²
 BASIN DEPTH: 0.7m+0.3m FREEBOARD

POND 2
 REQUIRED ATTENUATION VOLUME: 945.3m³
 REQUIRED SURFACE AREA (INCLUDING 300mm FREEBOARD): 1299.6m²
 BASIN DEPTH: 1m+0.3m FREEBOARD

APPROXIMATE DISCHARGE INVERT LEVEL: 48.1m

PROPOSED HYDROBARKE CONTROL
 MAXIMUM DISCHARGE RATE 6.2l/s
 (BASED ON 2.88l/s/ha)

REPROFILED AREA TO DIVERT SURFACE WATER PATH AROUND BASIN

SWS DIVERSION MUST HAVE MANHOLE EITHER SIDE OF THE PIPE CONNECTING THE PONDS. THIS IS SO ANY CLASH BETWEEN THE PIPES CAN BE AVOIDED.

D	Second Pond Added and Pond 1 Updated	27/02/24	HN	CD	EX
C	Maintenance Strip Added and Pond Update	31/03/24	HN	CD	EX
B	Client Name Updated	13/11/23	HG	AG	KW
A	First Issue	16/10/23	HG	AG	KW
REVISION	DETAILS	DATE	DESIGN	CHECKED	APPROVED

CLIENT
 CHRISTCHURCH LAND AND ESTATES (ELMSWELL SOUTH) LIMITED

PROJECT
 LAND OFF SCHOOL ROAD, ELMSWELL (PHASE 2)

DRAWING TITLE
 INDICATIVE DRAINAGE STRATEGY

DRG No.	BM12457-001	REV	D	SUIT. CODE	
DRG SIZE	A1	SCALE	1:1250	DATE	16/10/23
DRAWN BY	HG	CHECKED BY	AG	APPROVED BY	KW

wardell armstrong