

DETENTION BASIN 1 DETAILS

MIN T.O.B (TOP OF BANK) LEVEL: 114.80mAOD
MAX WATER LEVEL (1 IN 100 + 25% CC EVENT): 114.50mAOD
IL: 114.30mAOD
FREEBOARD: 300mm
BASE AREA 94.64m²
AREA AT MAX WATER LEVEL: 123.19m²
AREA AT MIN T.O.B LEVEL: 170.27m²
ADDITION TO CONTRIBUTING DRAINAGE AREA: 0.020ha
FREE STORAGE VOLUME: 21.9m³

WEIR OVERFLOW WITH EROSION PROOF
MATTING
OVERFLOW LEVEL AT 114.50mAOD
1.00m BASE-WIDTH
1:3 GRADIENT
IN THE EVENT OF DRAINAGE NETWORK
FAILURE THE SURFACE WATER WILL
OVERFLOW AT THIS POINT AND
EVENTUALLY DISCHARGE INTO THE
EXISTING DITCH.

IF THE SWALE OVERTOPS DURING AN
EXCEEDANCE EVENT, THE SURFACE WATER
WILL FLOW NORTH-EAST AND DISCHARGE
INTO THE EXISTING DITCH.

OFCC450/1 ORFILO
ORIFICE FLOW CONTROL CHAMBER
INCLUDING DEBRIS SCREEN
CL 114.80
IL 114.20
ORIFICE DIAMETER 20mm

50mm DEPRESSION UPSTREAM OF THE
OUTFALL TO INTERCEPT SILT/ SEDIMENT
DEPTH 0.05m
BANK SLOPE 1:3
IL 114.25

1m WIDE BERM AT T.O.B LEVEL

MAX WATER LEVEL: 114.50mAOD

T.O.B LEVEL: 114.80mAOD

DETENTION BASIN 1

DETENTION BASIN SIZED TO
ACCOMMODATE THE 1 IN 100
YEAR RAINFALL EVENT WITH
A 25% CLIMATE CHANGE
ALLOWANCE.

ALL RODDING EYE INVERT
LEVELS ARE TO BE 0.4m DEEP

EXISTING SVP
FOUL PAN
CONNECTION
WITHIN THE
CONTAINER.

TREE
GIRTH 0.50
SPRD 10.0

TREE
GIRTH 0.30
SPRD 8.0

EXISTING HEADWALL
IL 114.68

EXRG1
CL 115.20

EXISTING SURFACE
WATER OUTFALL
IL 113.38

FENCE
PW H 1.00

NOTE
ROUTING OF EXISTING
DRAINAGE TAKEN FROM CCTV
SURVEY AND TOPOGRAPHIC
COVER POSITIONS.

EXCEEDANCE FLOWS
TO DISCHARGE
TOWARDS
DETENTION BASIN.

NEW CHAMBER TO BE CONSTRUCTED ON
EXISTING FOUL DRAINAGE RUN SUBJECT
TO INVERT LEVEL ACHIEVING DEPTH
REQUIRED. IF EXISTING DRAINAGE IS TOO
SHALLOW, PROPOSED TO CONNECT TO
EXFW3.

EXISTING KLARGESTER SEWAGE
TREATMENT PLANT.
LOCATION IS INDICATIVE.
CONFIRMED CAPCITY FOR
ADDITIONAL PROPOSED FOUL
FLOW.

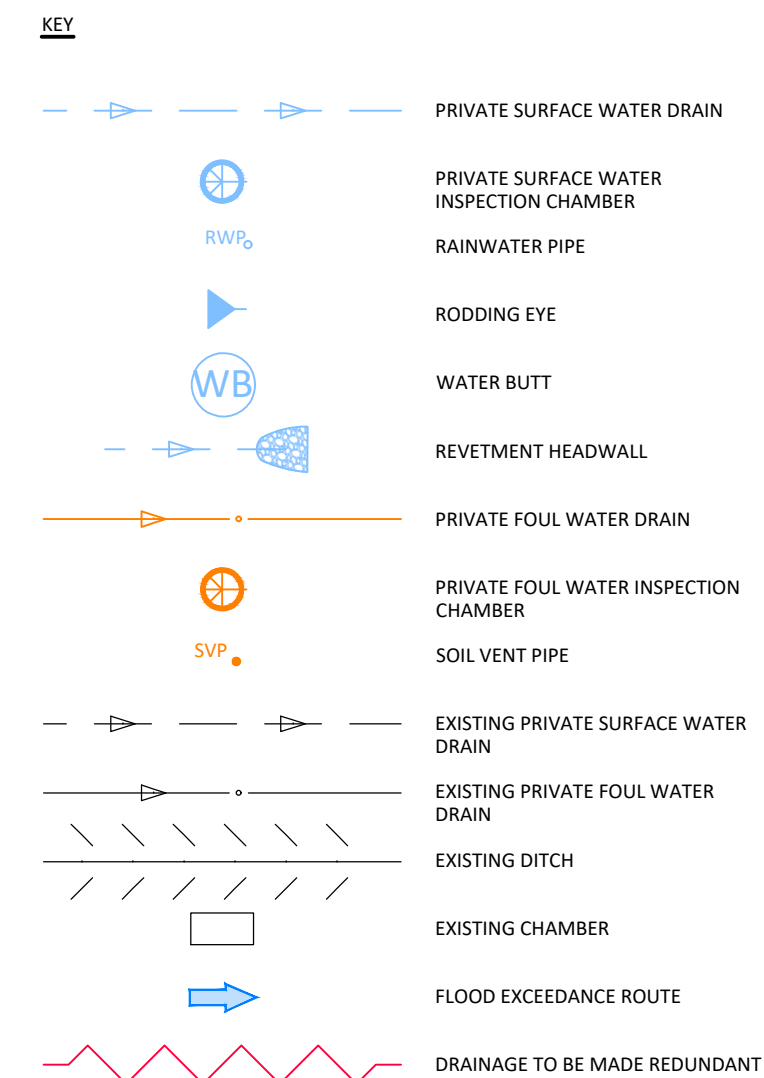
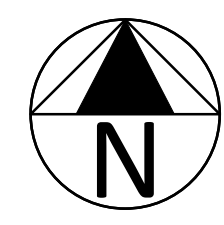
EXFW1

EXFW2
BURIED

IN AN EXCEEDANCE EVENT,
SURFACE WATER TO
DISCHARGE EAST TO GOLF
COURSE WITHIN CLIENTS
CURTILAGE. NO OTHER
STRUCTURE TO BE
AFFECTED.

EXFW3
CL 114.00
IL 112.80

EXFW4



DRAINAGE NOTES- PRIVATE DRAINAGE

1. ALL PRIVATE DRAINAGE WORKS TO BE CARRIED OUT IN ACCORDANCE WITH BUILDING REGULATIONS PART H.
2. ALL FOUL WATER PRIVATE PIPES TO BE 100MM DIAMETER UNLESS OTHERWISE STATED. MIN GRADIENT 1:80 WHERE CONNECTED TO A MINIMUM OF 1WC, OTHERWISE MIN 1:40. ALL SURFACE PRIVATE DRAINAGE PIPES TO BE 100MM DIAMETER UNLESS OTHERWISE STATED WITH A MIN GRADIENT OF 1:100 UNLESS OTHERWISE STATED.
3. ALL SURFACE WATER PIPES 600MM² OR LESS TO BE POLYPIPE RIGIDRAIN OR SIMILAR APPROVED. SURFACE WATER PIPES GREATER THAN 600MM² TO BE POLYPIPE RIGIDRAIN XL OR SIMILAR APPROVED. ALL 100MM DIAMETER FOUL WATER DRAINS TO BE VITRIFIED CLAY. ALL 150MM DIAMETER FOUL DRAINS TO BE POLYPIPE POLYSEWER OR SIMILAR APPROVED. AS ONLY ONE BUILDING IS IN QUESTION, NO ADDITIONAL VENTING IS REQUIRED (AAV'S ONLY).
4. ALL DRAINAGE ARRANGEMENTS ARE TO BE CARRIED OUT TO THE SATISFACTION OF THE LOCAL AUTHORITY BUILDING INSPECTOR ONSITE.
5. PRIVATE FOUL WATER DRAIN ROUTE UNDER SLAB IS INDICATIVE ONLY; BEDDING, PIPE MATERIAL AND PENETRATION OF PROPERTY WALL DETAILS BY OTHERS.
6. CONTRACTOR TO REVIEW ALL BELOW SLAB PRIVATE DRAINAGE AND ENSURE, WHERE REQUIRED, FOUNDATION PENETRATIONS/PLINTHS ARE PROVIDED IN ACCORDANCE WITH STRUCTURAL ENGINEER REQUIREMENTS.

D	UPDATED ISSUE	10/11/25	JJ	BF
C	UPDATED TO ADDRESS COMMENTS	07/11/25	JJ	RP
B	UPDATED ISSUE	05/08/25	JJ	RP
A	FIRST ISSUE	01/08/25	JJ	RP
REV.	DESCRIPTION	Date	BY	CHK

DESIGN BY:



CLIENT:
AGM

DRAWING STATUS:
DISCHARGE OF PLANNING CONDITIONS

SCALE @ A1:
0 1:100 5 metres

PROJECT:
CUCKFIELD GOLF CENTRE

TITLE:
DRAINAGE STRATEGY

PROJECT No:	DRAWING No:	REV:
19963	19963-TUM-DD-XXX-0200	D