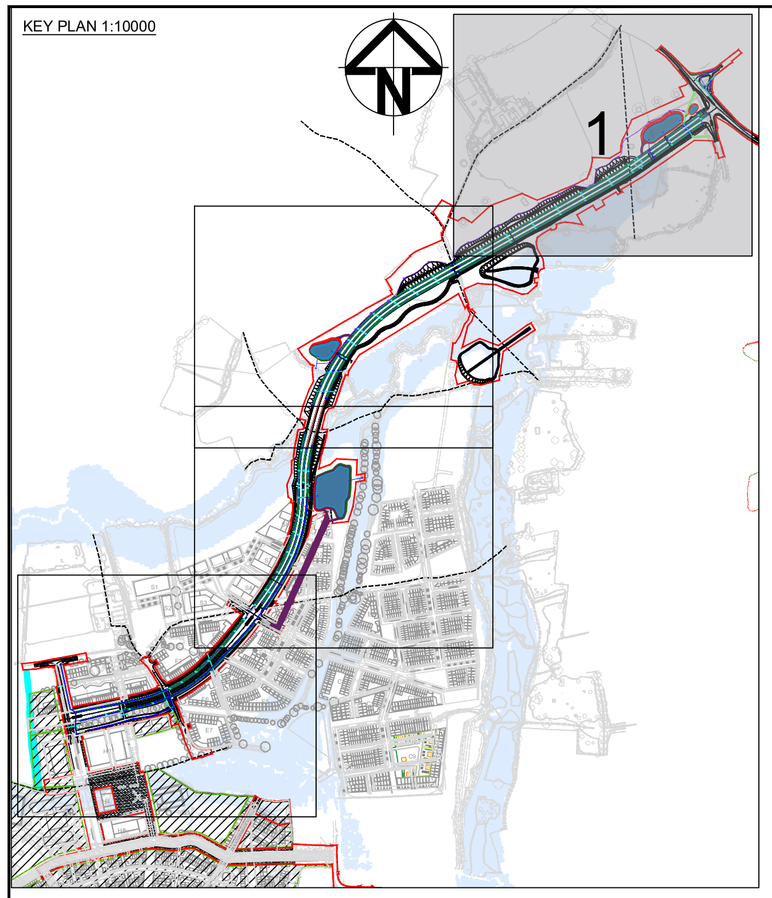
KEY PLAN 1:10000



ATTENUATION STORAGE
825mm DIA. PIPE
FLOW CONTROL DEVICE
TO RESTRICT DISCHARGE
RATE TO 2.25l/s

HEADWALL
IL 61.975m AOD

FLOW CONTROL DEVICE
MAXIMUM DISCHARGE
RATE OF 1.04l/s
IL = 61.960m AOD

HEADWALL
IL = 62.000m AOD

HEADWALL
IL 61.925m AOD

HEADWALL
IL = 61.975m AOD

FLOW CONTROL DEVICE
MAXIMUM DISCHARGE
RATE OF 7.04l/s
IL = 61.960m AOD

ATTENUATION STORAGE
600mm DIA. PIPE
FLOW CONTROL DEVICE
TO RESTRICT DISCHARGE
RATE TO 2.14l/s

PROPOSED MANHOLE IN
EXISTING SURFACE
WATER NETWORK

GULLIES TO BE MOVED
TO CHANNEL KERB

HS/SS/001

DETENTIOPN BASIN 4
REQUIRED STORAGE VOLUME = 88m³
IL = 61.975m AOD
TOP OF BANK LEVEL = 62.875m AOD
DESIGN MAX. WATER LEVEL = 62.480m AOD
FREEBOARD DEPTH = 395mm

HEADWALL
IL 62.175m AOD

HEADWALL
IL = 61.950m AOD
DITCH BED LEVEL = 61.500m AOD
TOP OF BANK LEVEL = 63.220 AOD

STORAGE VOLUME
WITHIN GRASS TOPPED
FILTER DRAIN 54m³

HS/SS/002

GULLIES TO BE MOVED
TO CHANNEL KERB

HEADWALL
IL = 62.135m AOD

DETENTION BASIN IL = 61.975m
TOP OF BANK LEVEL = 63.075m
DESIGN MAX. WATER LEVEL = 62.740m
FREEBOARD DEPTH = 335mm

DETENTION BASIN 3
REQUIRED STORAGE
VOLUME = 1490m³

HEADWALL
IL = 61.500m AOD

FD MH20
CL = 63.930m AOD
IL = 62.600m AOD

PROPOSED 1.0m X
1.0m CULVERT

HEADWALL
IL = 62.035m AOD

HEADWALL
IL = 61.460m AOD

FD MH16
1200mm DIA
CL = 63.325m AOD
IL = 62.080m AOD

FD MH18
1200mm DIA
CL = 63.325m AOD
IL = 62.200m AOD

FD MH19
1200mm DIA
CL = 63.325m AOD
IL = 62.570m AOD

FD MH17
1200mm DIA
CL = 63.325m AOD
IL = 62.565m AOD

HS/SS/004

STORAGE VOLUME
WITHIN GRASS TOPPED
FILTER DRAIN 735m³

HS/SS/003

MATCH LINE
FOR CONTINUATION SEE SHEET 10051123-ARC-050-1B-DR-DE-00002

0 10 20 30 40 50 60 70 80 90 100
SCALE 1:1000 (A1)
SCALE 1:2000 (A3)
METRES

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	WORKS STAGE
IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:	C = CONSTRUCTION M = MAINTENANCE D = DECOMMISSION/DEMOLITION
HEALTH & SAFETY	
HS/SS/001 - WORKS IN CLOSE PROXIMITY OF EXISTING WATERCOURSE	C, M, D
HS/SS/002 - WORKS IN CLOSE PROXIMITY TO EXISTING LIVE CARRIAGEWAY	C, M, D
HS/SS/003 - DEEP EXCAVATIONS FOR PIPES / MANHOLES.	C, M
HS/SS/004 - WORKING ON STEEP EMBANKMENT	C, M, D
IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT. TO BE READ IN CONJUNCTION WITH RISK REGISTER FOR FURTHER INFORMATION AND MITIGATION MEASURES.	

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. DO NOT SCALE FROM DRAWING, USE FIGURED DIMENSIONS ONLY.
3. ALL WORKS TO BE IN ACCORDANCE WITH WEST SUSSEX COUNCIL AND DMRB REQUIREMENTS.
4. FOR CROSS SECTIONS, REFER TO DRAWING 10051123-ARC-050-1B-DR-DE-00005.

LEGEND:

- PROPOSED GRASS TOPPED FILTER DRAIN
- PROPOSED PERFORATED PIPE
- PROPOSED SW CARRIER PIPE
- PROPOSED FILTER DRAIN MANHOLE
- PROPOSED FILTER DRAIN ACCESS CHAMBER
- PROPOSED FLOW CONTROL MANHOLE
- PROPOSED HEADWALL
- PROPOSED DETENTION BASIN
- PROPOSED LAND DRAIN
- PROPOSED DIVERTED DITCH
- PROPOSED CUTTING
- PROPOSED CULVERT
- FLOOD ZONE 2 & 3
- MAINTENANCE VEHICLE TRACK
- PHASE 1 RED LINE BOUNDARY
- CROSS SECTION MARKER

Rev	Date	Description	Prod.	Chk.	Rev.	App.
P01	03/11/23	FIRST ISSUE	VS	MT	CH	SD
P02	13/03/24	Updated in Accordance with Design Calculations	VS	MT	TF	SD
P03	08/08/24	FOR PLANNING APPLICATION	VS	MT	TF	SD
P04	12/06/25	Issued for planning	VK	SP	AP	SD

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Drawing Title:

PROPOSED SURFACE WATER DRAINAGE STRATEGY SHEET 1

Designed: T.Chaudhry	Signed: Digitally Signed	Date: 11/06/25
Produced: v.k	Signed: Digitally Signed	Date: 11/06/25
Checked: S.Panesar	Signed: Digitally Signed	Date: 11/06/25
Reviewed: A.Pegler	Signed: Digitally Signed	Date: 12/06/25
Approved: S.Davies	Signed: Digitally Signed	Date: 12/06/25

Design Stage: Detailed Design

Original Size: A1	Grid: OS	Datum: AOD
Suitability Code: A3	Scale: 1:1000	Project Number: 10051123

Suitability Description:

Definition Design Stage Complete
Authorized and Accepted

Drawing Number: 10051123 - ARC - 050 - 1B - DR - DE - 00001

Revision: P04