CONTINUATION TO REFER -10051123-ARC-050-1A-DR-CE-00012

E6

E5

E7

Q1

CONTINUATION TO REFER -10051123-ARC-050-1A-DR-CE-00013

CONTINUATION TO REFER -10051123-ARC-050-1A-DR-CE-00017

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.	
HS/SS/004 - WORKING ON STEEP EMBANKMENT	
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.	

HEADWALL
IL = 65.900m AOD

CATCHMENT AREA - 0.34 ha
GREENFIELD RUNOFF - 1.785 l/s

HS/SS/001

ASSUMING THAT PRIMARY SCHOOL HAS ITS OWN ATTENUATION SYSTEM WHICH ACCOMMODATE ALL THE SURFACE WATER FROM SCHOOL AREA AND DISCHARGE GREENFIELD RUNOFF INTO EXISTING DITCH
CATCHMENT AREA - 2.36 ha
GREENFIELD RUNOFF - 12.39 l/s

HEADWALL
IL = 65.725m AOD

PROPOSED DETENTION BASIN AREA (P01) = 679.30 m2
PROPOSED VOLUME = 529.85 m3
PROPOSED DEPTH = 1.10m (0.8+0.3m FREEBOARD)
PROPOSED SIDE SLOPES = 1:4
PROPOSED TOP OF BANK LEVEL =66.000m
PROPOSED INVERT LEVEL =64.900m

HEADWALL
IL = 65.250m AOD

HEADWALL
IL = 64.900m AOD

DISCHARGE RATE - 50.9 l/s

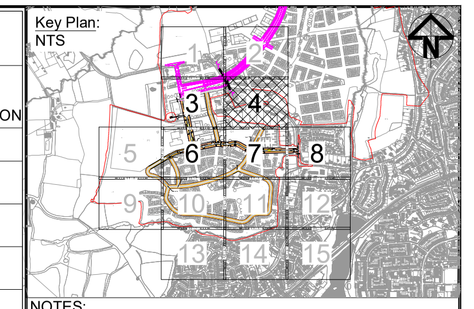
HEADWALL
IL = 64.900m AOD

CATCHMENT AREA - 0.3 ha
GREENFIELD RUNOFF - 1.575 l/s

MH-165(64.920)
450mm 1:442
450mm 1:27
MH-164(64.980)
MH-163(65.031)
MH-166(64.796)
HEADWALL
IL = 64.768m AOD
225mm 1:148

HS/SS/001

Key Plan:
NTS



NOTES:
1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. DO NOT SCALE FROM DRAWING USE FIGURED DIMENSIONS ONLY.
3. ALL SIZES & INVERT LEVELS FOR POND/TANK ARE APPROXIMATE AND SUBJECT TO CHANGE.
4. REFER FOR PHASE 1B PROPOSED SURFACE WATER DRAINAGE STRATEGY DETAILS 10051123-ARC-050-1B-DR-DE-00001 TO 00004.
5. REFER FOR SITE WIDE PROPOSED DRAINAGE STRATEGY REPORT 10051123-ARC-050-ZZ-TR-CE-00001 FOR FURTHER DETAILS.
6. AS DESIGN PROGRESSES THERE MAY BE CHANGES IN HS/SS/003 & HS/SS/004 HAZARDS LOCATIONS.
7. REFER TO 10051123-ARC-XXX-1A-DR-CE-00002 FOR FURTHER KEY ITEMS

LEGEND:
- MHXX — PROPOSED STORMWATER NETWORK
- MHXX — SECONDARY ROUTE STORMWATER NETWORK
- MHXX — PROPOSED FLOW CONTROL MANHOLE
- PROPOSED HEADWALL
- PROPOSED SUDS ZONE IN STREET CORRIDOR
- MAINTENANCE VEHICLE TRACK
- ATTENUATION TANK
- DETENTION BASIN
- EXISTING TOPO SURVEY / OS DATA
- PROPOSED MASTERPLAN
- HYBRID PLANNING APPLICATION RED LINE
- EXISTING MAIN RIVER/ ORDINARY WATERCOURSE
- PROPOSED CULVERT
- PROPOSED PHASE 1B LAYOUT
- FLOW DIRECTION
- SECONDARY ROUTE FLOW DIRECTION

Rev	Date	Description	Prod.	Chk.	Rev.	App.
P01	15/03/24	FIRST ISSUE	SS	MT	TF	SD
P02	05/08/24	ADDRESSING CLIENT COMMENTS	SS	CB	TF	SD
P03	12/05/25	PLANNING ISSUE	DH	CH	SD	SD

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Drawing Title:
WEST OF IFIELD
PHASE 1A
DRAINAGE LAYOUT
SHEET 4

Designed: D.Hillier	Signed: Digitally Signed	Date: 09/05/25
Produced: D.Hillier	Signed: Digitally Signed	Date: 12/05/25
Checked: C.Higgins	Signed: Digitally Signed	Date: 12/05/25
Reviewed: S.Davies	Signed: Digitally Signed	Date: 12/05/25
Approved: S.Davies	Signed: Digitally Signed	Date: 12/05/25
Design Stage: Detailed Design		
Original Size: A1	Grid: OS	Datum: ODN
Suitability Code: S5	Scale: 1:500	Project Number: 10051123
Suitability Description: Suitable for Planning		

Drawing Number: 10051123 - ARC - 050 - 1A - DR - DE - 00014
Revision: P03

0 10 20 30 40 50 METRES
SCALE 1:500 (A1)
SCALE 1:1000 (A3)

Print Date: 2025-05-12 15:22:50
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