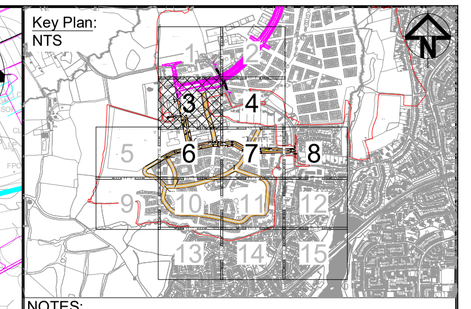
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	WORKS STAGE
IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:	C = CONSTRUCTION M = MAINTENANCE D = DECOMMISSION/DEMOLITION
HEALTH & SAFETY ⚠	
HS/SS/001 - WORKS IN CLOSE PROXIMITY OF EXISTING 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.	

CONTINUATION TO REFER -10051123-ARC-050-1A-DR-CE-00011



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

H1
H2
H3

HEADWALL IL = 67.420m AOD
CATCHMENT AREA - 0.985 ha
GREENFIELD RUNOFF - 5.171 l/s
HS/SS/001
PHASE 1B WORKS
PHASE 1A WORKS
MH-01(67.220)
MH-02(67.065)
MH-03(66.913)
MH-04(66.616)
MH-05(67.314)
MH-06(67.171)
MH-07(67.109)
MH-08(66.961)
MH-09(66.758)
MH-10(66.701)
MH-11(66.505)
MH-12(65.715)
MH-15(66.373)
MH-18(66.427)
MH-35(66.600)
MH-36(66.380)
MH-71(66.600)
MH-72(66.331)
MH-77(66.074)
MH-78(66.195)
MH-79(66.081)
MH-94(66.330)
MH-96(66.285)
MH-97(66.180)
MH-99(66.522)
MH-100(66.410)
MH-101(66.380)
MH-102(66.285)
MH-103(66.096)
MH-113(66.308)
MH-114(66.196)
MH-115(66.290)
MH-116(66.082)
MH-117(66.200)
MH-117A(66.073)
MH-117B(66.024)
MH-95(66.149)
HEADWALL IL = 68.600m AOD
HEADWALL IL = 65.90m AOD
HEADWALL IL = 65.865m AOD
HEADWALL IL = 65.69m AOD
HEADWALL IL = 65.923m AOD
HEADWALL IL = 65.960m AOD
HEADWALL IL = 65.39m AOD
HEADWALL IL = 65.49m AOD
CATCHMENT AREA - 0.522 ha
GREENFIELD RUNOFF - 2.74 l/s
PROPOSED ATTENUATION TANK 1 AREA (T01) = 145m2
PROPOSED VOLUME = 139.2m3
PROPOSED DEPTH = 1.00m PROPOSED COVER LEVEL = 67.600m
PROPOSED INVERT LEVEL = 66.000m
PROPOSED ATTENUATION TANK 2 AREA (T02) = 1904 m2
PROPOSED VOLUME = 1828.84 m3
PROPOSED DEPTH = 1.00m PROPOSED COVER LEVEL = 67.650m
PROPOSED INVERT LEVEL = 66.050m
DISCHARGE RATE - 3.2 l/s
DISCHARGE RATE - 47.00 l/s
DISCHARGE RATE - 3.41 l/s
DISCHARGE RATE - 3.89 l/s
CULVERT 1 - 1.5mx1.0m
CULVERT 2 - 1.5mx1.0m
FOUL PUMPING STATION AND EXCLUSION ZONE
FOUL TANK CONSTRUCTION SURROUNDING PERIMETER OF EXISTING TREES LINED WITH PROTECTIVE BARRIER AGAINST ROOTS
ASSUMING THAT SECONDARY SCHOOL HAS ITS OWN ATTENUATION SYSTEM WHICH ACCOMMODATE ALL THE SURFACE WATER FROM SCHOOL AREA AND DISCHARGE GREENFIELD RUNOFF INTO EXISTING DITCH
CATCHMENT AREA - 9.3 ha
GREENFIELD RUNOFF - 48.825 l/s
150mm 1:200
150mm 1:309
150mm 1:66
150mm 1:30
150mm 1:196
150mm 1:152
150mm 1:169
150mm 1:117
150mm 1:183
150mm 1:259
225mm 1:356
225mm 1:58
225mm 1:34
225mm 1:306
225mm 1:132
225mm 1:100
225mm 1:234
225mm 1:226
150mm 1:181
150mm 1:123
150mm 1:14
450mm 1:206
450mm 1:347
450mm 1:162
450mm 1:29
450mm 1:119
450mm 1:254
450mm 1:298
450mm 1:272
450mm 1:27
450mm 1:229
525mm 1:451
525mm 1:434
450mm 1:219
450mm 1:216
300mm 1:117
300mm 1:178
300mm 1:53
300mm 1:230
300mm 1:218
300mm 1:191
300mm 1:130
150mm 1:177
CONTINUATION TO REFER -10051123-ARC-050-1A-DR-CE-00016

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
Rev	Date	Description	Prod.	Chk.	Rev.	App.

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Drawing Title:
WEST OF IFIELD
PHASE 1A
DRAINAGE LAYOUT
SHEET 3

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 - 00013
Revision: P03

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

Print Date: 2025-05-12 15:15:11
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CONTINUATION TO REFER -10051123-ARC-050-1A-DR-CE-00014