N

INSET 1
SCALE: 1:250

SURFACE NETWORK TO CONNECT TO EXISTING LAND DRAINAGE

SW IR246 CL: 92.800 IL: 89.150

SW IR245 CL: 92.200 IL: 91.071

-13.001 85.965m 3000 218.2

-13.000 5.000m 3000 229.3

HYDROBRAKE 2
COVER LEVEL: 94.300m AOD
INVERT LEVEL: 91.560m AOD
DESIGN HEAD: 2.4m
FLOW RATE: 27.3l/s

2206781-ACE-XX-00-DR-C-0628

LOWEST INCOMING CONNECTION: 91.475 m AOD
RISING MAIN OUTLET IL: 92.42 m AOD

ENKADRAIN COLLECTOR PIPES TO CONNECT INTO CHAMBER WITH NON-RETURN VALVES

REFER TO INSET 1

REFER TO INSET 1

ATTENUATION BASIN 2

TOP OF POND LEVEL: 94.300m AOD
MAX WATER LEVEL: 93.896m AOD
BASE OF ATTENUATION LEVEL: 91.600m AOD

FREEBOARD DEPTH: 404mm

UPSTREAM IMPERMEABLE AREA: 4.22ha
INTERCEPTION VOLUME: 211m³
INTERCEPTION DEPTH: 120mm
BASE OF POND LEVEL: 91.460m AOD

HYDROBRAKE 2
COVER LEVEL: 94.300m AOD
INVERT LEVEL: 91.560m AOD
DESIGN HEAD: 2.4m
FLOW RATE: 27.3l/s

SW IR244 CL: 94.300 IL: 91.560

SW IR243 IL: 91.600

BASIN 2 SECTION - REFER TO DRAWING 2206781-ACE-XX-00-DR-C-0628

ATTENUATION FEATURE

SW IR242 IL: 91.700

BASIN 2 SECTION

SW 249 IL: 90.193

-14.001 34.167m 2250 75.4

CL: 94.164 IL: 91.975

IL: 91.535

FWIR336 CL: 94.370 IL: 91.605

SW IR51 CL: 94.365 IL: 91.988

-1.019 58.105m 12000 500.9

SW IR53 CL: 94.200 IL: 91.859

-17.004 56.682m 1500 38.9

SW 240 CL: 94.400 IL: 93.574

-11.000 46.733m 2250 160.1

FW169 CL: 94.760 IL: 93.852

-1.000 66.376m 12000 499.1

-17.001 68.107m 1500 60.9

-5.003 63.612m 6750 689.6

SW IR54 CL: 95.850 IL: 91.726

FW167 CL: 95.809 IL: 94.185

-17.002 15.850m 1000 80.2

FW165 CL: 95.829 IL: 94.665

FW164 CL: 96.650 IL: 95.370

SW 248 CL: 96.650 IL: 95.525

-14.000 38.552m 2250 75.4

-17.000 26.460m 1000 80.0

FW165 CL: 97.000 IL: 95.700

SW 247 CL: 97.500 IL: 96.075

SW IR50 CL: 96.613 IL: 94.248

SW IR49 CL: 97.504 IL: 95.086

-11.014 36.973m 1500 150.0

SW IR48 CL: 98.714 IL: 96.368

FW162 CL: 97.855 IL: 95.062

SW IR145 CL: 97.855 IL: 96.755

HYDROBRAKE 1
COVER LEVEL: 99.250m AOD
INVERT LEVEL:.96.802m AOD
DESIGN HEAD: 2.4m
FLOW RATE: 26.0l/s

BASIN 1 SECTION

SW 236 CL: 97.690 IL: 95.190

-9.020 39.020m 3000 76.3

SW 238 CL: 97.240 IL: 95.605

-10.000 35.379m 3000 244.0

SW 237 CL: 97.350 IL: 95.675

SW 234 CL: 97.543 IL: 95.993

-10.002 26.186m 1500 92.1

FW163 CL: 97.359 IL: 96.050

FW140 CL: 97.725 IL: 96.979

-12.001 70.076m 4500 75.3

-10.001 70.457m 4500 84.2

SW 233 CL: 98.591 IL: 96.533

FW141 CL: 98.688 IL: 97.723

FW142 CL: 99.392 IL: 98.392

SW 232 CL: 100.366 IL: 98.642

SW IR19 CL: 100.356 IL: 98.791

SW IR41 CL: 100.487 IL: 97.406

-12.004 57.067m 3000 90.0

SW IR42 CL: 100.162 IL: 97.528

-10.000 22.113m 1050 500.0

SW IR43 CL: 99.885 IL: 97.578

-10.001 22.076m 1050 501.7

SW IR44 CL: 99.990 IL: 97.650

-10.002 36.859m 1050 498.2

-10.003 31.198m 1050 80.1

SW IR45 CL: 100.354 IL: 98.010

-10.004 28.213m 750 99.0

SW IR46 CL: 100.705 IL: 98.628

SW IR38 CL: 100.720 IL: 99.082

0mIL: 99.082

10m

Scale: 1:250 @ A0

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ENGINEERING KEY

- SITE BOUNDARY
- SURFACE WATER APPROVED UNDER INFRASTRUCTURE APPLICATION
- FOUL WATER APPROVED UNDER INFRASTRUCTURE APPLICATION
- PROPOSED ADOPTABLE SURFACE WATER SEWER
- PROPOSED ADOPTABLE FOUL WATER SEWER
- PROPOSED ATTENUATION CRATES
- PROPOSED DETENTION BASIN WITH ENKADRAIN UNDERLAY
- PROPOSED ENKADRAIN COLLECTOR PIPE, LAID LEVEL AT THE BASE OF POND LEVEL TO GEOSYNTHETICS SPECIFICATION
- EXISTING LAND DRAIN

NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION, INC. RISK ASSESSMENTS AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
2. DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
3. ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METRES UNLESS OTHERWISE STATED.
4. ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
5. NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
6. ANY WORKS OUTSIDE RED SITE BOUNDARY ARE FOR INFORMATION PURPOSES ONLY. UNLESS SPECIFICALLY NOTED, ALL WORKS OUTSIDE THE SITE BOUNDARY WILL BE UNDERTAKEN BY OTHERS UNDER A SEPARATE CONTRACT.



KEYPLAN

Rev	Description	Drn	Chk	App	Date
P4	UPDATED SITE LAYOUT	AMC	AD	DM	21-05-26
P3	UPDATED BASED ON LLFA/VISTRY COMMENTS	AMC	AMC	MR	25-03-26
P2	UPDATED TO SUIT NEW LAYOUT	AGS	CC	AD	18-12-25
P1	FIRST ISSUE	AMC	AMC	AMC	28-11-25

Purpose: PRELIMINARY

Status: NOT YET APPROVED

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Client: VISTRY SOUTH EAST

Project Title: IMBERHORNE FARM, EAST GRINSTEAD

Drawing Title: PROPOSED DRAINAGE SHEET 3

Drawn by	Checked by	Approved by	Revision
AMC	AMC	AD	P4

Scale: 1:250@A0 | Date: 28-11-25

Drawing Number: 2206781-ACE-XX-XX-DR-C-0623