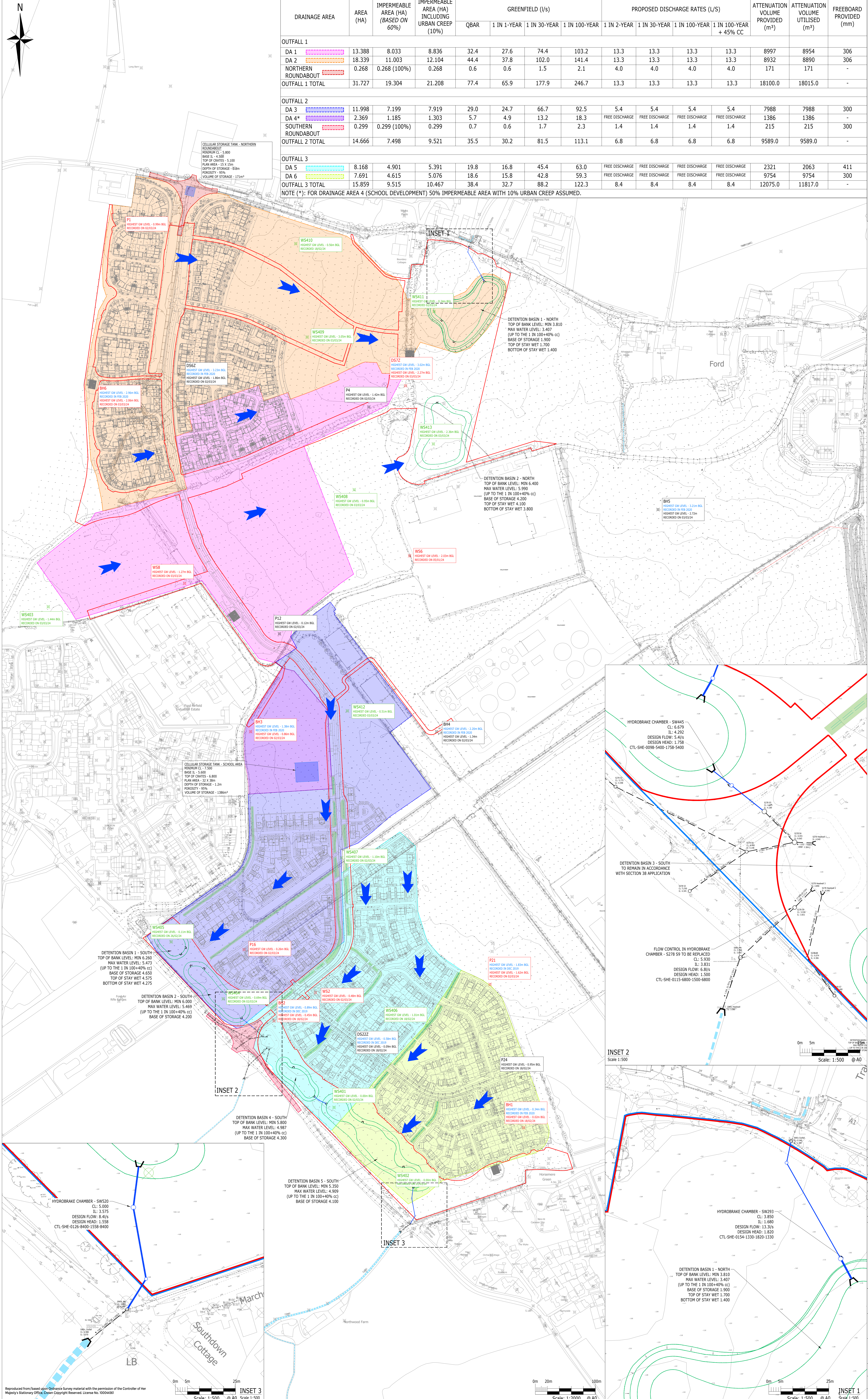
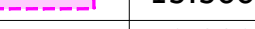
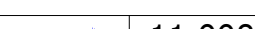




DRAINAGE AREA	AREA (HA)	IMPERMEABLE AREA (HA) (BASED ON 60%)	IMPERMEABLE AREA (HA) INCLUDING URBAN CREEP (10%)	GREENFIELD (l/s)				PROPOSED DISCHARGE RATES (L/S)				ATTENUATION VOLUME PROVIDED (m³)	ATTENUATION VOLUME UTILISED (m³)	FREEBOARD PROVIDED (mm)	
				QBAR	1 IN 1-YEAR	1 IN 30-YEAR	1 IN 100-YEAR	1 IN 2-YEAR	1 IN 30-YEAR	1 IN 100-YEAR	1 IN 100-YEAR + 45% CC				
OUTFALL 1															
DA 1 	13.388	8.033	8.836	32.4	27.6	74.4	103.2	13.3	13.3	13.3	13.3	8997	8954	306	
DA 2 	18.339	11.003	12.104	44.4	37.8	102.0	141.4	13.3	13.3	13.3	13.3	8932	8890	306	
NORTHERN ROUNDABOUT 	0.268	0.268 (100%)	0.268	0.6	0.6	1.5	2.1	4.0	4.0	4.0	4.0	171	171	-	
OUTFALL 1 TOTAL	31.727	19.304	21.208	77.4	65.9	177.9	246.7	13.3	13.3	13.3	13.3	18100.0	18015.0	-	
OUTFALL 2															
DA 3 	11.998	7.199	7.919	29.0	24.7	66.7	92.5	5.4	5.4	5.4	5.4	7988	7988	300	
DA 4* 	2.369	1.185	1.303	5.7	4.9	13.2	18.3	FREE DISCHARGE	FREE DISCHARGE	FREE DISCHARGE	FREE DISCHARGE	1386	1386	-	
SOUTHERN ROUNDABOUT 	0.299	0.299 (100%)	0.299	0.7	0.6	1.7	2.3	1.4	1.4	1.4	1.4	215	215	300	
OUTFALL 2 TOTAL	14.666	7.498	9.521	35.5	30.2	81.5	113.1	6.8	6.8	6.8	6.8	9589.0	9589.0	-	
OUTFALL 3															
DA 5 	8.168	4.901	5.391	19.8	16.8	45.4	63.0	FREE DISCHARGE	FREE DISCHARGE	FREE DISCHARGE	FREE DISCHARGE	2321	2063	411	
DA 6 	7.691	4.615	5.076	18.6	15.8	42.8	59.3	FREE DISCHARGE	FREE DISCHARGE	FREE DISCHARGE	FREE DISCHARGE	9754	9754	300	
OUTFALL 3 TOTAL	15.859	9.515	10.467	38.4	32.7	88.2	122.3	8.4	8.4	8.4	8.4	12075.0	11817.0	-	
NOTE (*): FOR DRAINAGE AREA 4 (SCHOOL DEVELOPMENT) 50% IMPERMEABLE AREA WITH 10% URBAN CREEP ASSUMED.															

NOTE (*): FOR DRAINAGE AREA 4 (SCHOOL DEVELOPMENT) 50% IMPERMEABLE AREA WITH 10% URBAN CREEP ASSUMED.

KEY

SITE BOUNDARY

EXISTING DRAINAGE DITCH

EXISTING SURFACE WATER SEWER

PROPOSED SURFACE WATER SEWER

DETENTION BASIN

CELLULAR STORAGE TANK

PROPOSED STRATEGIC SWALE ROUTE

7 No. RSK GROUNDWATER MONITORING POINTS TO BE REINSTALLED DURING JANUARY 2024

11 No. RSK GROUNDWATER MONITORING POINTS REINSTALLED DURING DECEMBER 2023

12 No. NEW GROUNDWATER MONITORING POINTS TO BE INSTALLED

PROPOSED COORDINATES

REF	EASTING	NORTHING
WS401	499,167	102,363
WS402	499,323	102,246
WS403	499,711	102,217
WS404	499,002	102,563
WS405	498,915	102,658
WS406	499,341	102,519
WS407	499,200	102,799
WS408	499,221	103,412
WS409	499,142	103,666
WS410	499,123	103,822
WS411	499,354	103,709
WS412	499,209	103,443
WS413	499,352	103,488

DRAINAGE NOTE

PROPOSED SITEWIDE DRAINAGE STRATEGY AND ABOVE GROUND SUDS FEATURES SUCH AS SWALES ARE SHOWN INDICATIVELY ONLY. AS PART OF MITIGATION MEASURES, ADDITIONAL AT SOURCE SUDS COMPONENTS SUCH AS WATER BUTTS WILL BE PROVIDED WITHIN THE DEVELOPMENT PARCELS.

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DRAFT

FOR INFORMATION ONLY

Rev	Description	Drn	Chk	App	Date
H	REVISED TO ADD NEW SITE LAYOUTS	CC	AD	MMR	18.12.24
G	UPDATED FOLLOWING CLIENT COMMENTS	MCE	EF	CC	10.06.24
F	UPDATED FOLLOWING LPA COMMENTS	MCE	EF	CC	09.06.24
E	ISSUED ONLY INTERNAL COMMENTS	MCE	EF	CC	24.07.24
D	REVISED DRAINAGE AREAS & SUDS FEATURES	MCE	EF	CC	05.07.24
C	REVISED DRAINAGE AREAS	WA	EF	CC	30.04.24
B	REVISED DRAINAGE AREAS	MCE	EF	CC	10.04.24
A	PROVISION FOR SITE ACCESS DRAINAGE CLARIFIED	TKH	EF	CC	26.03.24
	DRAFT ISSUE	AMC	EF	CC	28.02.24

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Client

VISTRY SOUTH EAST

Project Title

FORD AIRFIELD, ARUN

Drawing Title

SITEWIDE INDICATIVE SURFACE WATER DRAINAGE STRATEGY

AD Scale	Date	Designed by
AS SHOWN	14-02-24	AMC

Drawn by	Checked by	Approved by
AMC	EF	CC

Drawing Number

2205777-DO20

Rev

H