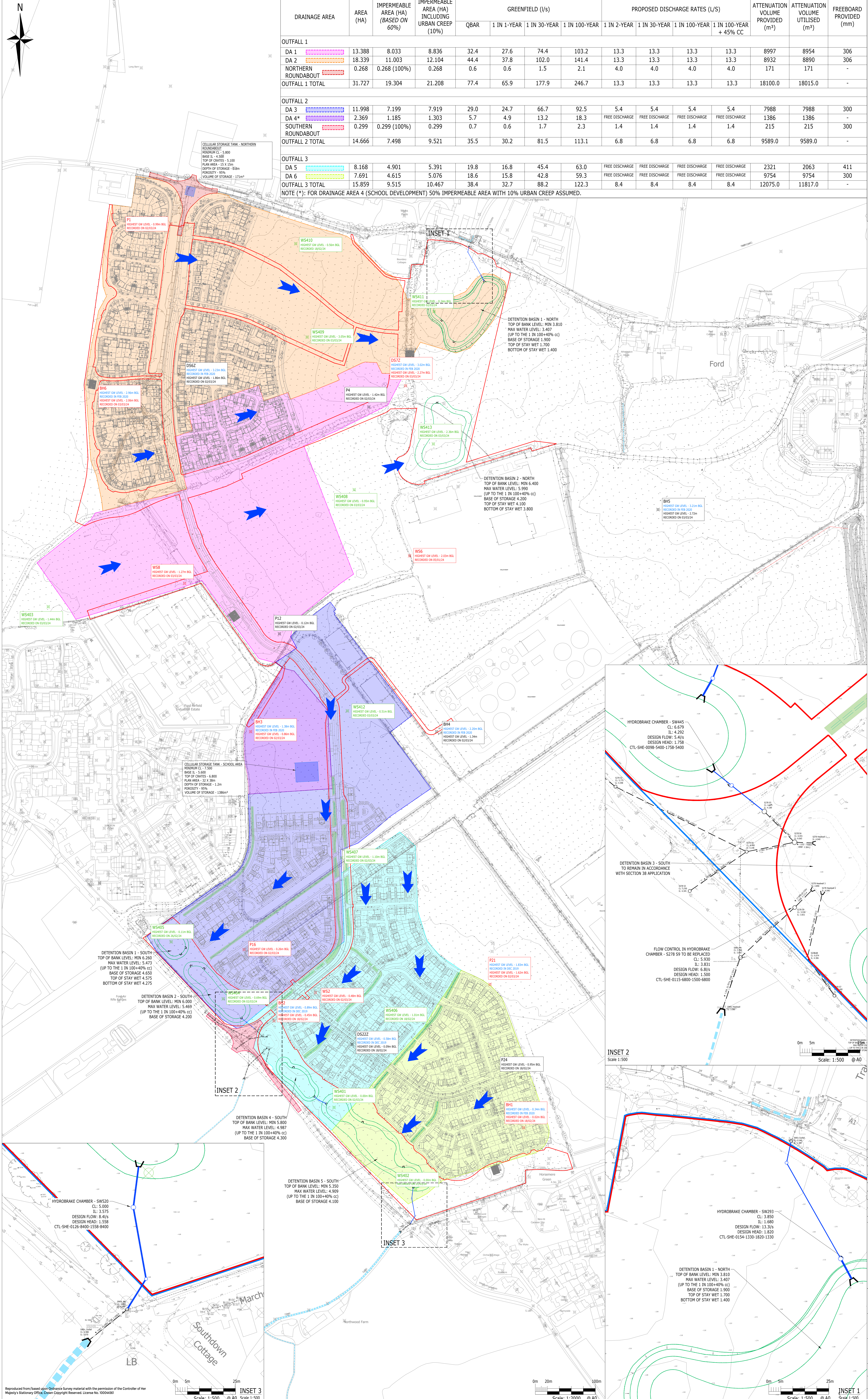
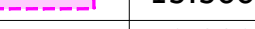
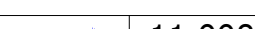




| DRAINAGE AREA                                                                                         | AREA (HA) | IMPERMEABLE AREA (HA) (BASED ON 60%) | IMPERMEABLE AREA (HA) INCLUDING URBAN CREEP (10%) | GREENFIELD (l/s) |             |              |               | PROPOSED DISCHARGE RATES (L/S) |                |                |                        | 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

P16

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

BH3

11 No. RSK GROUNDWATER MONITORING POINTS REINSTALLED DURING DECEMBER 2023

WS412

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 | 103,043  |
| 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

2205771-DO20

Rev

H