



Key:

- Viaduct Carrier Drain
- Grassed Swale (Lined)
- Viaduct Abutment Drainage
- Existing Drainage To Be Retained
- Connection to A47 Drainage
- Proposed Pre Earthworks Ditch (PED)
- Highways Ditch
- Existing Ditch
- Lined Ditch/Swale
- Proposed Culvert/Piped Ditch
- Badger Culvert
- Inlet/Outlet Headwall (Type 2 Unless Otherwise Stated)
- Check Dam in Ditch
- Flood Compensation Area
- Flood Zone 3A
- Surface Water Flooding (1 in 100 Year)
- Vegetated MSE Bagwork
- PCV
- C-0X-Y-Z.000
- D-0X-Y-Z.000

PCV
C - Culvert/Piped Ditch
X - Outfall Number (1-15)
Y - Size (A - 0.3m, B - 0.45m, C - 0.75m, D - 0.9m)
Z - Culvert Reference

D-0X-Y-Z.000
D - Ditch Type (D - Pre-Earthworks, H - Highways)
X - Outfall Number (1-15)
Y - Ditch Size (A - 0.3m, B - 0.45m, C - 0.6m D - 0.75m, E - 1.0m)
Z - Ditch Reference



- Notes:**
- Do not scale from this drawing.
 - All dimensions are in metres unless otherwise stated.
 - This drawing is to be read with all other relevant drawings and reports.
 - All works to be in accordance with the Specification for Highway Works.
 - These drawings supplement 4.04.00 PK1002-RAM-HDG-MLE-SG-DZ-0001 Drainage Strategy Report.
 - For planting and amenity arrangements, refer to 2.07.00 Landscaping Design Plans PK1002-RAM-ELS-MLE-DR-NZ-0001 To 0011.
 - For drainage details, refer to 2.08.04 Drainage Typical Details PK1002-RAM-HDG-MLE-DE-DZ-0001 to 0006.
 - Please refer to 3.03.00 Environmental Statement Chapter 3: Description of Scheme for the Rochdale Envelope flexibility included within the design for the purposes of Environmental Impact Assessment.
 - This drawing is for planning application purposes only, it is not a construction issue drawing.

Key:

- Red Line Boundary
- Proposed Drainage Basin
- Existing Watercourse
- Retaining Wall
- Surface Water Manhole (HCD F3-F6)
- Catchpit (HCD F11)
- Proposed Gully (HCD F13)
- Inline Outlet to Triangular Surface Water Channel (HCD F22) (1/2/3 Chambers Depending on Requirements)
- Inline Outlet to Trapezoidal Surface Water Channel (HCD F23) (2/3 Chambers Depending on Requirements)
- Catchpit (HCD F12)
- Flow Control Chamber
- Proposed Combined Kerb Drainage Outlet/Access Point
- Existing Manhole To Be Retained
- Surface Water Carrier Drain
- Proposed Combined Filter/Carrier Drain (HCD F2 Type H)
- Combined Kerb Drainage (HCD B16 Type 25A Class E600)
- Proposed 100mm dia narrow filter drain (HCD F18)
- Proposed Gully Lead
- Concrete Surface Water Channel (HCD B14, type A)
- Grip Overflow

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A1 - Authorised for Planning

| C01 | AJ | KJ | SS | 08/02/24 |
|----------|-------|---------|----------|----------|
| REVISION | DRAWN | CHECKED | APPROVED | DATE |

CLIENT

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PROJECT

DRAWING TITLE
NORWICH WESTERN LINK
DRAINAGE LAYOUT
SHEET 9 OF 10

DRAWING STATUS
A1 - AUTHORISED FOR PLANNING

| DRAWN | CHECKED | APPROVED | AUTHORISED |
|-----------------|----------|----------|------------|
| AJ | KJ | SS | FQC |
| SCALE @ A1 SIZE | DATE | REVISION | |
| 1:1000 | 08/02/24 | C01 | |

DRAWING NUMBER
PK1002-RAM-HDG-MLE-DR-DZ-0511

| Catchment 5 (MLS) Manhole Schedule | | | Catchment 5 (MLS) Manhole Schedule (contd.) | | |
|------------------------------------|-----------------|------------------|---|-----------------|------------------|
| MH Reference | Cover Level (m) | Invert Level (m) | MH Reference | Cover Level (m) | Invert Level (m) |
| MLS-72 | 42.50 | 41.35 | MLS-103 | 41.68 | 40.46 |
| MLS-75 | 42.28 | 40.98 | MLS-104 | 42.29 | 40.33 |
| MLS-76 | 42.72 | 40.70 | MLS-105 | 42.29 | 40.33 |
| MLS-77 | MODELLING NODE | | MLS-106 | MODELLING NODE | |
| MLS-78 | 42.09 | 41.17 | MLS-107 | 41.84 | 40.04 |
| MLS-79 | 42.22 | 40.20 | MLS-108 | 41.67 | 39.86 |
| MLS-80 | MODELLING NODE | | MLS-109 | 48.32 | 46.76 |
| MLS-81 | 41.68 | 39.90 | MLS-110 | 47.07 | 45.52 |
| MLS-82 | 41.30 | 39.60 | MLS-111 | 45.32 | 43.77 |
| MLS-83 | MODELLING NODE | | MLS-112 | 43.28 | 41.73 |
| MLS-84 | MODELLING NODE | | MLS-113 | 42.11 | 40.37 |
| MLS-85 | MODELLING NODE | | MLS-114 | 42.07 | 39.79 |
| MLS-86 | MODELLING NODE | | MLS-115 | 41.30 | 39.60 |
| MLS-87 | 41.06 | 39.95 | MLS-116 | MODELLING NODE | |
| MLS-88 | MODELLING NODE | | MLS-117 | MODELLING NODE | |
| MLS-92 | 48.14 | 46.64 | MLS-118 | MODELLING NODE | |
| MLS-93 | MODELLING NODE | | MLS-119 | MODELLING NODE | |
| MLS-94 | 46.91 | 45.41 | MLS-120 | MODELLING NODE | |
| MLS-95 | MODELLING NODE | | MLS-121 | 43.95 | 42.45 |
| MLS-96 | 45.15 | 43.57 | MLS-122 | 41.30 | 39.60 |
| MLS-97 | MODELLING NODE | | MLS-AB | MODELLING NODE | |
| MLS-98 | 43.11 | 41.46 | MLS-123 | 41.30 | 39.16 |
| MLS-101 | 46.99 | 46.79 | | | |
| MLS-102 | MODELLING NODE | | | | |

Modelling nodes identified in schedule are not physical chambers and are not shown in drawing

Piped Ditches - Outfall 12

| Reference | Length | U/S IL | D/S IL |
|--------------|--------|--------|--------|
| C-12-A-1.000 | 18.03 | 41.29 | 41.22 |

Piped Ditches - Outfall 13

| Reference | Length | U/S IL | D/S IL |
|--------------|--------|--------|--------|
| C-13-A-4.000 | 11.26 | 44.29 | 43.30 |

