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 — Pollution Control Valve
- C-0X-Y-Z.000 — 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

Catchment 3 (ML3) Manhole Schedule

MH Reference	Cover Level (m)	Invert Level (m)
ML3-03	35.45	33.93
ML3-04	34.45	32.85
ML3-05	33.46	31.86
ML3-06	32.37	30.71
ML3-07	31.51	29.84
ML3-09	MODELLING NODE	
ML3-10	MODELLING NODE	
ML3-11	MODELLING NODE	
ML3-12	MODELLING NODE	
ML3-13	MODELLING NODE	
ML3-14	30.94	29.16
ML3-15	31.99	28.95
ML3-16	26.41	24.68
ML3-17	25.09	23.19
ML3-18	24.54	23.09
ML3-FB	MODELLING NODE	
ML3-IB	MODELLING NODE	
ML3-19	24.50	24.29

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

Ring Land (RL) Manhole Schedule

MH Reference	Cover Level (m)	Invert Level (m)
RL-03	28.00	25.50

Catchment 4 (ML4) Manhole Schedule

MH Reference	Cover Level (m)	Invert Level (m)
ML4-58	35.37	33.24
ML4-59	34.73	33.15
ML4-60	34.58	32.39
ML4-61	33.93	32.50
ML4-62	33.84	32.39
ML4-63	33.78	31.52
ML4-64	33.27	31.07
ML4-65	32.81	31.38
ML4-66	32.63	30.61
ML4-67	32.33	30.31
ML4-68	31.39	29.32
ML4-72	31.16	29.61
ML4-75	MODELLING NODE	
ML4-76	31.15	29.72
ML4-78	MODELLING NODE	
ML4-79	MODELLING NODE	
ML4-80	MODELLING NODE	
ML4-81	MODELLING NODE	
ML4-82	MODELLING NODE	
ML4-83	MODELLING NODE	
ML4-84	MODELLING NODE	
ML4-85	30.55	27.67
ML4-86	28.31	26.41

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

Piped Ditches - Outfall 6

Reference	Length	U/S IL	D/S IL
C-06-B-4.000	13.04	24.02	23.24
C-06-D-5.001	17.51	25.50	24.61
C-06-D-5.000	9.50	23.19	23.11
C-06-A-6.000	12.37	23.96	23.32
C-06-D-7.000	14.50	22.63	22.21
C-06-A-8.000	7.07	30.86	30.14
C-06-D-9.000	77.00	22.12	21.37
C-06-A-10.000	7.87	23.45	21.87
C-06-A-11.000	6.19	24.94	24.88
C-06-A-12.000	9.82	22.53	22.43
C-06-A-13.000	9.50	22.41	22.32

Notes:

1. Do not scale from this drawing.
2. All dimensions are in metres unless otherwise stated.
3. This drawing is to be read with all other relevant drawings and reports.
4. All works to be in accordance with the Specification for Highway Works.
5. These drawings supplement 4.04.00 PK1002-RAM-HDG-MLE-SG-DZ-0001 Drainage Strategy Report.
6. For planting and amenity arrangements, refer to 2.07.00 Landscaping Design Plans PK1002-RAM-ELS-MLE-DR-NZ-0001 To 0011.
7. For drainage details, refer to 2.08.04 Drainage Typical Details PK1002-RAM-HDG-MLE-DE-DZ-0001 to 0006.
8. 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.
9. 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)
- FC — Flow Control Chamber
- OU AP — 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

A1 - Authorised for Planning

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

CLIENT

Norfolk County Council
Grahame Bygrave
Interim Executive Director of
Community and Environmental Services
Norfolk County Council
County Hall, Martineau Lane
Norwich NR1 2SG

PROJECT

Norwich Western Link

ferrovial construction / RAMBOLL

DRAWING TITLE

NORWICH WESTERN LINK
DRAINAGE LAYOUT
SHEET 5 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-0507

0 50 100 metres
SCALE 1:1000