

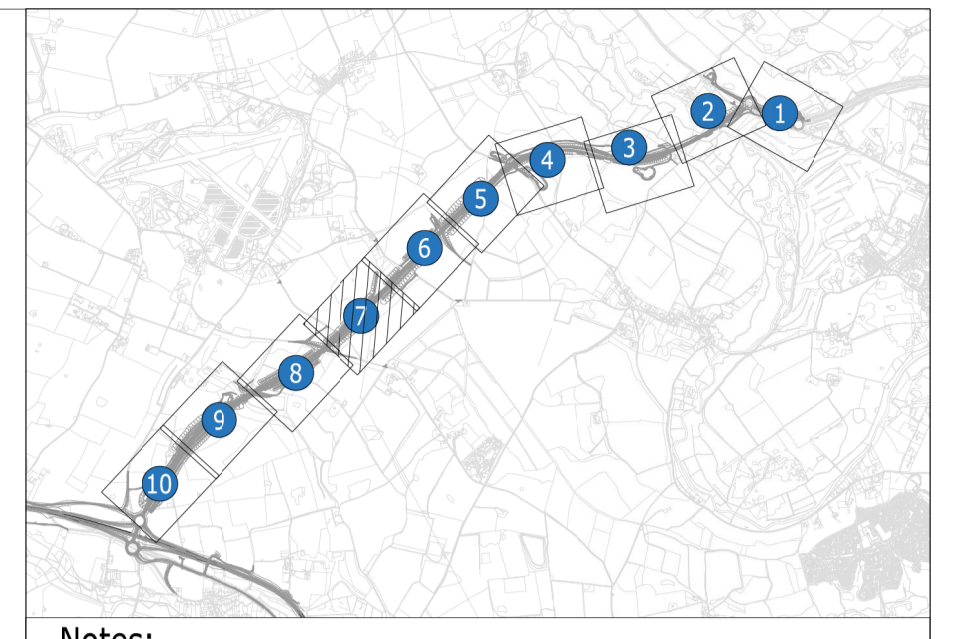
Piped Ditches - Outfall 8			
Reference	Length	U/S IL	D/S IL
C-08-A-1.001	10.01	56.85	56.77

Catchment 4 (ML4) Manhole Schedule		
MH Reference	Cover Level (m)	Invert Level (m)
ML4-1	MODELLING NODE	
ML4-2	MODELLING NODE	
ML4-3	54.27	52.85
ML4-4	MODELLING NODE	
ML4-5	MODELLING NODE	
ML4-6	54.47	53.05
ML4-7	54.77	52.61
ML4-8	54.30	52.37
ML4-9	53.19	51.74
ML4-11	53.23	51.24
ML4-12	51.95	50.50
ML4-13	52.07	50.65
ML4-14	52.18	50.25
ML4-15	MODELLING NODE	
ML4-16	MODELLING NODE	
ML4-17	MODELLING NODE	
ML4-18	MODELLING NODE	
ML4-19	MODELLING NODE	
ML4-20	MODELLING NODE	
ML4-21	49.99	48.76
ML4-22	MODELLING NODE	
ML4-23	MODELLING NODE	
ML4-24	MODELLING NODE	
ML4-25	MODELLING NODE	
ML4-26	MODELLING NODE	
ML4-27	50.07	48.99
ML4-29	50.40	48.67
ML4-30	49.48	47.96
ML4-31	49.59	47.69
ML4-34	MODELLING NODE	
ML4-38	MODELLING NODE	

Catchment 5 (ML5) Manhole Schedule		
MH Reference	Cover Level (m)	Invert Level (m)
ML5-01	MODELLING NODE	
ML5-02	54.72	53.29
ML5-03	MODELLING NODE	
ML5-04	54.71	53.29
ML5-05	55.13	52.95
ML5-06	MODELLING NODE	
ML5-09	MODELLING NODE	
ML5-17	MODELLING NODE	
ML5-18	MODELLING NODE	
ML5-19	MODELLING NODE	
ML5-20	MODELLING NODE	
ML5-21	57.23	55.47
ML5-22	56.59	55.32

**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  
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

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 7 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-0509

