

NWL BASIN 6 (ATTENUATION)

CREST LEVEL	44.50m
INVERT LEVEL	42.50m
SIDE SLOPES	1:3
GROSS AREA	3.85ha
DRAINED EQUIVALENT IMPERMEABLE AREA	2.10ha
MAXIMUM DESIGN DISCHARGE RATE:	
1 in 1+20% CC	3.5l/s
1 in 30+40% CC	3.5l/s
1 in 100+45% CC	4l/s
STORED VOLUME FOR 1 in 100 YEAR+45% CC	2022.77m ³
TOP WATER LEVEL	44.12m + 300mm MIN. FREEBOARD
10% BASE AREA SEDIMENT FOREBAY	
0.5m PERMANENT WATER IN FOREBAY	
300mm THICK TOP SOIL IMPERMEABLE MEMBRANE	
200mm MIN DRAINAGE BLANKET	
REFER TO DRAINAGE STRATEGY TABLE 15 FOR FURTHER INFORMATION	

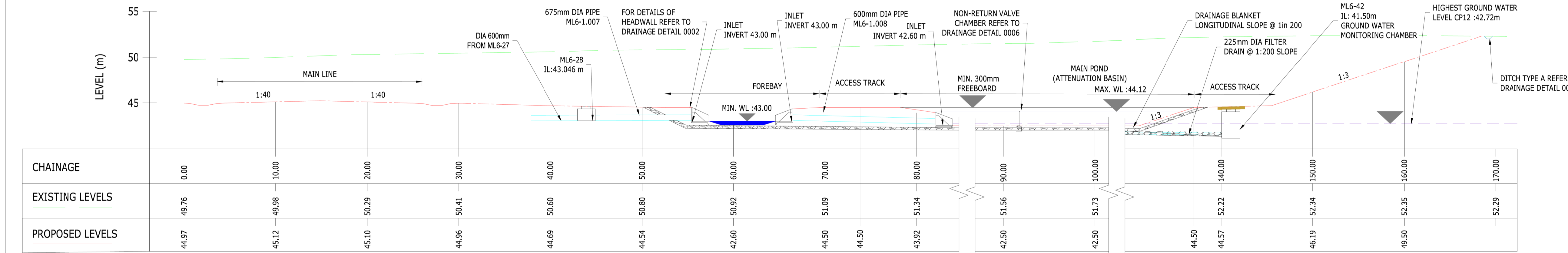
- Key:**
- Viaduct Carrier Drain
 - Grassed Swale (Lined)
 - Viaduct Abutment Drainage
 - Existing Drainage To Be Retained
 - Connection to A47 Drainage
 - Proposed Pre Earthworks Ditch (PED)
 - Highways Ditch
 - Existing Ditch
 - Lined Ditch/Swale
 - Fence Type 1
 - Fence Type 2
 - Basin Maintenance Access Track, Minimum 4m Width
 - Fence Gate
 - 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
 - Pollution Control Valve
 - C - Culvert/Piped Ditch
 - X - Outfall Number (1-15)
 - Y - Ditch Size (A - 0.3m, B - 0.45m, C - 0.75m, D - 0.9m)
 - Z - Culvert Reference
 - 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 NCC41793-RAM-ELS-MLE-DR-NZ-0010 to 0010
 - For drainage details, refer to 2.08.04 Drainage Typical Details PK1002-RAM-HDG-MLE-DE-DZ-0001 to 0006. For pipe gradients, manhole details refer to DS Appendices.
 - Please refer to 3.03.00 Environmental Statement Chapter 3: Description of Scheme for the Roadside Envelope flexibility included within the design for the purposes of Environmental Impact Assessment.
 - For fencing details, refer to 2.03.00 General Arrangement Plans. PK1002-RAM-HGN-MLE-DR-CH-0002 to 0006
 - 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
 - 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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SECTION A-A ALIGNMENT A BASIN 6 - LONGSECTION SCALE: H 1:250, V 1:250.

CHAINAGE	EXISTING LEVELS	PROPOSED LEVELS
0.00	49.76	44.97
10.00	49.98	45.12
20.00	50.29	45.10
30.00	50.41	44.96
40.00	50.60	44.69
50.00	50.80	44.54
60.00	50.92	42.60
70.00	51.09	44.50
80.00	51.34	43.92
90.00	51.56	42.50
100.00	51.73	42.50
140.00	52.22	44.50
150.00	52.34	46.19
160.00	52.35	49.50
170.00	52.29	



SECTION B-B ALIGNMENT B (BASIN 6) - LONGSECTION SCALE: H 1:250, V 1:250.

CHAINAGE	EXISTING LEVELS	PROPOSED LEVELS
0.000	52.876	
10.000	52.687	51.174
20.000	52.549	47.924
30.000	52.436	44.708
40.000		44.600
50.000	51.998	44.131
60.000	51.692	42.500
70.000	51.621	43.327
80.000	51.246	44.540
90.000		44.600
96.993	51.112	45.382

A1 - Authorised for Planning

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

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

PROJECT

DRAWING TITLE
NORWICH WESTERN LINK
BASIN LAYOUT
SHEET 7 OF 7

DRAWING STATUS
A1 - AUTHORISED FOR PLANNING

DRAWN	CHECKED	APPROVED	AUTHORISED
AJ	KJ	SS	FQC

SCALE @ A1 SIZE	DATE	REVISION
AS SHOWN	08/02/24	C01

DRAWING NUMBER
PK1002-RAM-HDG-MLE-DR-DZ-0547