



NOTES:

- THIS DRAWING IS BASED UPON:
 - JRP SITE LAYOUT 22:5611:01W (FORTEM AMENDED);
 - HAYCOCK AND TODD SITE SURVEY DRAWING S10979 DATED OCTOBER 2024;
 - ORDNANCE SURVEY MAPS.
- THIS DRAWING PROVIDES AN OVERVIEW OF THE DEVELOPMENT DRAINAGE NETWORK AND PROPOSED TOPOGRAPHY IN RELATION TO BLOCKAGES IN THE NETWORK AND EXCEEDANCE EVENTS ARISING FROM EXTREME RAINFALL.

KEY:

- DEVELOPMENT BOUNDARY
- EXISTING SURFACE WATER SEWER
- EXISTING FOUL WATER SEWER
- EXISTING COMBINED SEWER
- EXISTING OPEN WATERCOURSE
- EXISTING CULVERTED WATERCOURSE
- PROPOSED FOUL WATER SEWER / MANHOLE (S104)
- PROPOSED SURFACE WATER SEWER / MANHOLE (S104)
- PROPOSED SURFACE WATER & FOUL WATER BACKDROPS
- PROPOSED FOUL WATER RISING MAIN (S104)
- PROPOSED FOUL WATER LATERAL / DEMARCATION CHAMBER
- PROPOSED SURFACE WATER LATERAL / DEMARCATION CHAMBER
- ROAD/HIGHWAY GULLY (DG DENOTES DOUBLE GULLY) (S38)
- 134.00 PRIMARY CONTOURS (200mm INTERVALS)
- 134.00 SECONDARY CONTOURS (50mm INTERVALS)
- 134.00 EXISTING PRIMARY CONTOURS (200mm INTERVALS)
- 134.00 EXISTING SECONDARY CONTOURS (50mm INTERVALS)
- FLOW ROUTE MAPPING (WITHIN HIGHWAY)
- FLOW ROUTE MAPPING (OUTSIDE HIGHWAY)

BLOCKAGE FLOW ROUTE NOTE
 IN THE EVENT OF A BLOCKAGE UPSTREAM OF S9 WATER WILL OVERTOP THE GULLY AT THE JUNCTION OF ROAD 1, WITH OVERLAND FLOWS INTO HERMITAGE PARK AND THE EXISTING DRAINAGE NETWORK.

BLOCKAGE FLOW ROUTE NOTE
 UNLESS NOTED OTHERWISE, IN THE EVENT OF A BLOCKAGE WITHIN THE HIGHWAY, SURFACE WATER OVERLAND FLOWS WILL BE MAINTAINED WITHIN THE HIGHWAY BEFORE REJOINING THE NETWORK DOWNSTREAM OF THE BLOCKAGE.

BLOCKAGE FLOW ROUTE NOTE
 IN THE EVENT OF A BLOCKAGE DOWNSTREAM OF S21 WATER WILL OVERTOP THE GULLY ONTO THE HIGHWAY.

BLOCKAGE FLOW ROUTE NOTE
 IN THE EVENT OF A BLOCKAGE UPSTREAM OF S27 WATER WILL OVERTOP THE DOUBLE GULLY AT THE END OF ROAD 3A, WITH OVERLAND FLOWS ROUTED THROUGH THE GARDEN OF PLOTS 7 AND 8 AND INTO THE POS TOWARDS BASIN 2.

BLOCKAGE FLOW ROUTE NOTE
 IN THE EVENT OF A BLOCKAGE UPSTREAM OF S26 WATER WILL OVERTOP BASIN 1 WITH OVERLAND FLOWS INTO THE POS AND BASIN 2.

BLOCKAGE FLOW ROUTE NOTE
 IN THE EVENT OF A BLOCKAGE DOWNSTREAM OF S33 WATER WILL OVERTOP THE DOUBLE GULLY AT THE END OF ROAD 7, WITH OVERLAND FLOWS ROUTED INTO THE POS TOWARDS BASIN 2.

BLOCKAGE FLOW ROUTE NOTE
 UNLESS NOTED OTHERWISE, IN THE EVENT OF A BLOCKAGE WITHIN THE HIGHWAY, SURFACE WATER OVERLAND FLOWS WILL BE MAINTAINED WITHIN THE HIGHWAY BEFORE REJOINING THE NETWORK DOWNSTREAM OF THE BLOCKAGE.

BLOCKAGE FLOW ROUTE NOTE
 IN THE EVENT OF A BLOCKAGE DOWNSTREAM OF S37 WATER WILL OVERTOP THE GULLY AT THE END OF ROAD 8A, WITH OVERLAND FLOWS ROUTED INTO THE POS TOWARDS THE WATERCOURSE ON THE SOUTHERN BOUNDARY.

EXCEEDANCE FLOW ROUTING NOTES:
 THE PROPOSED SURFACE WATER DRAINAGE SYSTEM HAS BEEN DESIGNED TO ENSURE NO FLOODING UP TO AND INCLUDING 1 IN 100 YEAR + 30% CLIMATE CHANGE.
 BEYOND THIS EXTREME EVENT, ANY EXCESS WATER WILL OVERTOP BASIN 2 WITH OVERLAND FLOWS ONTO THE ADJACENT FIELD, MIMICKING EXISTING FLOWS.
 THIS WOULD POSE NO INCREASED RISK TO THE EXISTING OR NEW PROPERTIES.

THIS DRAWING IS SUBJECT TO THE APPROVAL OF: KIRKLEES COUNCIL

THIS DRAWING IS SUBJECT TO THE APPROVAL OF: THE WATER AUTHORITY

B	08.10.25	Site layout updated.	LS
A	14.08.25	Amended to suit Kirklees Council Section 38 comments received 30.07.25.	JC
Rev	Date	Amendments	By

Drawing Status: **TENDER PACK**

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Client: **MILLER HOMES**

Project: **HERMITAGE PARK, LEPTON**

Drawing Title: **EXCEEDANCE FLOW ROUTING**

Drawn: JOH Scale: 1:1000 @ A1
 Checked: RD Date: MAY 2025

Drawing No. **1223 - 121** Rev. **B**