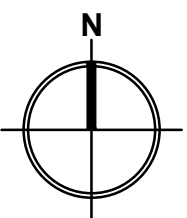


C:\Users\mth\Documents\FORTEM Projects\1093 - Rowley Lane, Lepton\KS22 - Drawings\1. FORTEM\2. Drawings\1. KS22 - Exceedance Flow Routing.dwg, 24 Nov, 2022, 9:41am



NOTES:

1. THIS DRAWING IS BASED ON UPON NEIMEN ARCHITECTS PROPOSED SITE LAYOUT DRAWING 3284-0-002 REV R (WITH FORTM AMENDMENTS), TURNBULL SURVEYING TOPOGRAPHICAL SURVEY S1158, YORKSHIRE WATER SEWER RECORDS AND ORDINANCE SURVEY MAPS.
2. THIS DRAWING PROVIDES AN OVERVIEW OF THE DEVELOPMENT DRAINAGE NETWORK AND PROPOSED TOPOGRAPHY IN RELATION TO EXCEEDANCE EVENTS ARISING FROM EXTREME RAINFALL.

KEY:

- PROPOSED SURFACE WATER HIGHWAY DRAIN
- - - - - PROPOSED SURFACE WATER SEWER / MANHOLE
- - - - - PROPOSED FOUL WATER SEWER / MANHOLE
- PROPOSED FOUL WATER RISING MAIN
- PROPOSED COMBINED WATER MANHOLE
- BOUNDARY CUT-OFF SWALE
- ←←←←← FLOW ROUTE MAPPING
- BOUNDARY RETAINING WALL

BLOCKAGE FLOW ROUTE NOTE
IN THE EVENT OF A BLOCKAGE DOWNSTREAM OF
THE MANHOLE ADJACENT TO PLOT 033, WATER
WILL OVERTOP THE GULLY AT THE SITE ENTRANCE
AND BE ROUTED DOWN HERMITAGE PARK ROAD.

BLOCKAGE FLOW ROUTE NOTE
IN THE EVENT OF A BLOCKAGE WITHIN THE
HIGHWAY LOOP, SURFACE WATER FLOWS
WILL OVERFLOW ONTO THE HIGHWAY.

BLOCKAGE FLOW ROUTE NOTE
IN THE EVENT OF A BLOCKAGE DOWNSTREAM
OF THE MANHOLE ADJACENT TO PLOT 024,
WATER WILL OVERFLOW ONTO THE HIGHWAY.

BLOCKAGE FLOW ROUTE NOTE
IN THE EVENT OF A BLOCKAGE UPSTREAM OF THE
FLOW CONTROL MANHOLE, WATER WILL OVERTOP
THE MANHOLE AND OVERLAND FLOW TO BASIN 2.

BLOCKAGE FLOW ROUTE NOTE
IN THE EVENT OF A BLOCKAGE UPSTREAM
OF THE MANHOLE IN THE P.O.S., FLOWS WILL
BE ROUTED BETWEEN PLOTS 36 & 37 TO THE
P.O.S. AND OVERLAND FLOW TO BASIN 2

BLOCKAGE FLOW ROUTE NOTE
IN THE EVENT OF A BLOCKAGE IN THE SURFACE WATER
SYSTEM, WATER WILL OVERTOP THE GULLY AT THE END
OF ROAD, TO THE P.O.S. AND OVERLAND FLOW TO BASIN 2

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, WITH 10%
ALLOWANCE FOR URBAN CREEP.
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 PROPOSED DWELLINGS.

BLOCKAGE FLOW ROUTE NOTE
IN THE EVENT OF A BLOCKAGE DOWNSTREAM OF THE
FLOW CONTROL CHAMBER, WATER WILL OVERTOP THE
GULLY AT THE END OF THE TURNING HEAD AND WILL
ENTER THE WATERCOURSE VIA OVERLAND FLOWS.

BLOCKAGE FLOW ROUTE NOTE
IN THE EVENT OF A BLOCKAGE UPSTREAM OF THE
FLOW CONTROL CHAMBER, WATER WILL OVERTOP
THE DOUBLE GULLY AT THE LOW POINT IN ROAD 7
WITH FLOWS ROUTED ALONG THE PRIVATE ROAD
TO THE WATERCOURSE VIA OVERLAND FLOWS.

BLOCKAGE FLOW ROUTE NOTE
IN THE EVENT OF A BLOCKAGE WITHIN THE
HIGHWAY LOOP, SURFACE WATER FLOWS
WILL OVERFLOW ONTO THE HIGHWAY

C	24.11.22	Updated to suit Kirklees Council requirements.	ML
B	07.10.22	Updated in accordance with Kirklees Council consultation.	ML
A	06.09.22	Updated to suit revised layout, road contours added.	JOH
Rev	Date	Amendments	By

Drawing Status. **PLANNING**

FORTM

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Client
KCS DEVELOPMENT LTD

Project
ROWLEY LANE, LEPTON

Drawing Title.
EXCEEDANCE FLOW ROUTING

Drawn: JOH
Checked: AC
Scale: 1:1000 @ A1
Date: APR 2022

Drawing No. **1093 - 009** Rev. **C**