



- NOTES:
1. THIS DRAWING IS BASED UPON ELLAM LAND SURVEYS TOPOGRAPHICAL SURVEY DRAWING NO. 7009/1 AND KPP SITE LAYOUT DRAWING RECEIVED MAY 2017.
  2. THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES AND IS SUBJECT TO DETAILED DESIGN REFINEMENT.

**DRAINAGE STRATEGY:**

OPPORTUNITIES FOR INFILTRATION HAVE BEEN EXPLORED AND DISCOUNTED.

THE SITE IS RIPARIAN. SURFACE WATER FLOWS CURRENTLY OUTFALL TO THE CULVERTED WATERCOURSES THAT FED THE MILL.

THE EXISTING IMPERMEABLE ARE IS CIRCA 1.2 HA (PROOF OF CONNECTIVITY REQUIRED)

MODIFIED RATIONAL METHOD HAS BEEN USED TO DETERMINE THE EXISTING RUNOFF = 166.8 L/S

FLOWS ARE TO BE LIMITED TO 70% OF EXISTING = 117 L/S (PROOF OF CONNECTIVITY REQUIRED)

FLOWS ARE TO BE ATTENUATED ON SITE TO ENSURE NO OFF SITE FLOODING FOR THE 1 IN 100 YEAR CRITICAL DURATION EVENT WITH 40% ALLOWANCE FOR CLIMATE CHANGE.

ALLOW FOR SECTION 185 DIVERSION WORKS TO ALL EXISTING DRAINAGE WITHIN THE SITE BOUNDARY (NOW 'PUBLIC SEWERS' FOLLOWING THE TRANSFER OF SEWERS).



WORKS REQUIRED TO CULVERTED WATERCOURSE TO SUIT KIRKLEES HIGHWAYS REQUIREMENTS FOR APPROVAL IN PRINCIPLE. ALLOW FOR REPLACEMENT UNDER PROPOSED HIGHWAY AND 5m BEYOND EXTENT OF HIGHWAY.