EVER READY, TANFIELD - DCC PLANNING REFERENCE 1/2012/0661/85/73

NWL PRE-PLANNING ENQUIRY REQUIRED FOR FOUL WATER DRAINAGE

FOUL WATER
IT IS ASSUMED THAT NWL WILL CONFIRMED ACCEPTANCE OF FOUL FLOWS WITHOUT RESTRICTION INTO THE EXISTING 150mm DIA. FOUL PUBLIC SEWER TO THE EAST OF THE SITE. DISCHARGE IS TO BE MADE VIA A NEW CONNECTION INTO THE EXISTING ONSITE MANHOLE AS INDICATED. EXISTING INVERT LEVELS TO BE CONFIRMED.

SURFACE WATER
THE MORE FEASIBLE OPTION OF DISCHARGE TO A SURFACE WATER SEWER ON SITE, WHICH ULTIMATELY DISCHARGES TO AN EXISTING WATERCOURSE LOCATED APPROXIMATELY 80m TO THE SOUTH OF THE SITE, HAS BEEN DETERMINED. DISCHARGE FROM SITE IS TO BE FROM THE EXISTING 900mm DIA. SEWER AT THE EASTERN CORNER OF THE SITE ADJACENT THE EXISTING BUND. EXISTING INVERT LEVELS TO BE CONFIRMED.

SURFACE WATER FLOWS WILL BE RESTRICTED TO A MAXIMUM RATE OF 1.074L/S AS PER PLANNING CONDITION NUMBER 28. THIS RATE HAS BEEN CONFIRMED AS ACCEPTABLE BY THE LLFA SUBJECT TO CONFIRMATION THAT THE CURRENT SITE DISCHARGES UNRESTRICTED TO THE PROPOSED CONNECTION MANHOLE AND OFFSITE WATERCOURSE.

SURFACE WATER DRAINAGE STRATEGY
THROUGH MICRODRAINAGE MODELING IT HAS BEEN DEMONSTRATED THAT THE FLOW RATES FROM THE DEVELOPMENT AREA FOR A 360 MINUTE STORM DURATION ARE AS FOLLOWS:

1 IN 2 YEAR:	121 L/S
1 IN 30 YEAR:	121 L/S
1 IN 100 YEAR*:	1.046 L/S

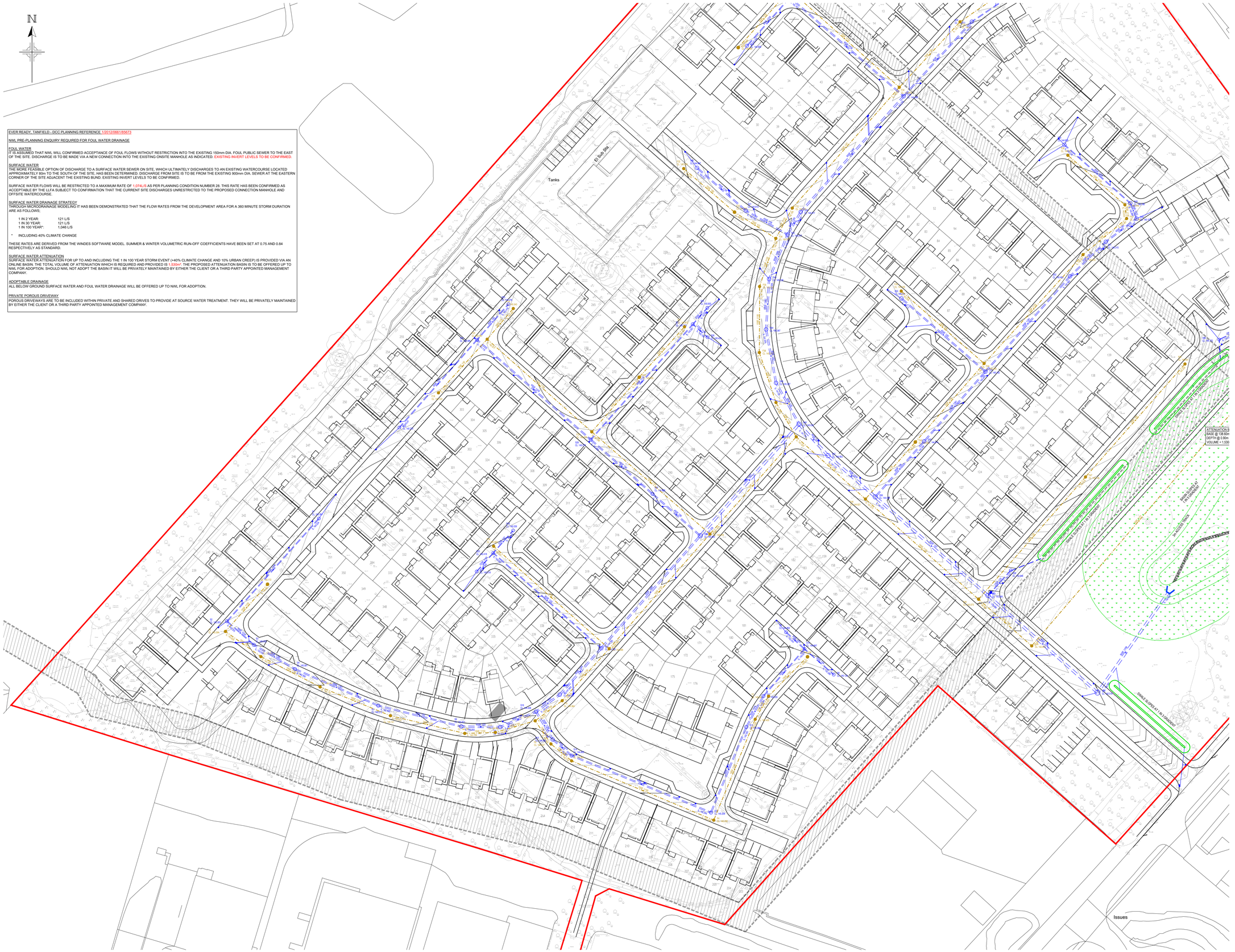
* INCLUDING 40% CLIMATE CHANGE

THESE RATES ARE DERIVED FROM THE WINDES SOFTWARE MODEL. SUMMER & WINTER VOLUMETRIC RUN-OFF COEFFICIENTS HAVE BEEN SET AT 0.75 AND 0.84 RESPECTIVELY AS STANDARD.

SURFACE WATER ATTENUATION
SURFACE WATER ATTENUATION FOR UP TO AND INCLUDING THE 1 IN 100 YEAR STORM EVENT (+40% CLIMATE CHANGE AND 10% URBAN CREEP) IS PROVIDED VIA AN ONLINE BASIN. THE TOTAL VOLUME OF ATTENUATION WHICH IS REQUIRED AND PROVIDED IS 1,530m³. THE PROPOSED ATTENUATION BASIN IS TO BE OFFERED UP TO NWL FOR ADOPTION. SHOULD NWL NOT ADOPT THE BASIN IT WILL BE PRIVATELY MAINTAINED BY EITHER THE CLIENT OR A THIRD PARTY APPOINTED MANAGEMENT COMPANY.

ADOPTABLE DRAINAGE
ALL BELOW GROUND SURFACE WATER AND FOUL WATER DRAINAGE WILL BE OFFERED UP TO NWL FOR ADOPTION.

PRIVATE POROUS DRIVEWAY
POROUS DRIVEWAYS ARE TO BE INCLUDED WITHIN PRIVATE AND SHARED DRIVES TO PROVIDE AT SOURCE WATER TREATMENT. THEY WILL BE PRIVATELY MAINTAINED BY EITHER THE CLIENT OR A THIRD PARTY APPOINTED MANAGEMENT COMPANY.



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REV	AMENDMENT	BY	CKD	DATE
P1	FIRST ISSUE	DR	MH	20.12.21

Client
LICHFIELDS

Project
EVER READY,
TANFIELD

Drawing Title
PRELIMINARY DRAINAGE
STRATEGY OPTION 1 - SHEET 1

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