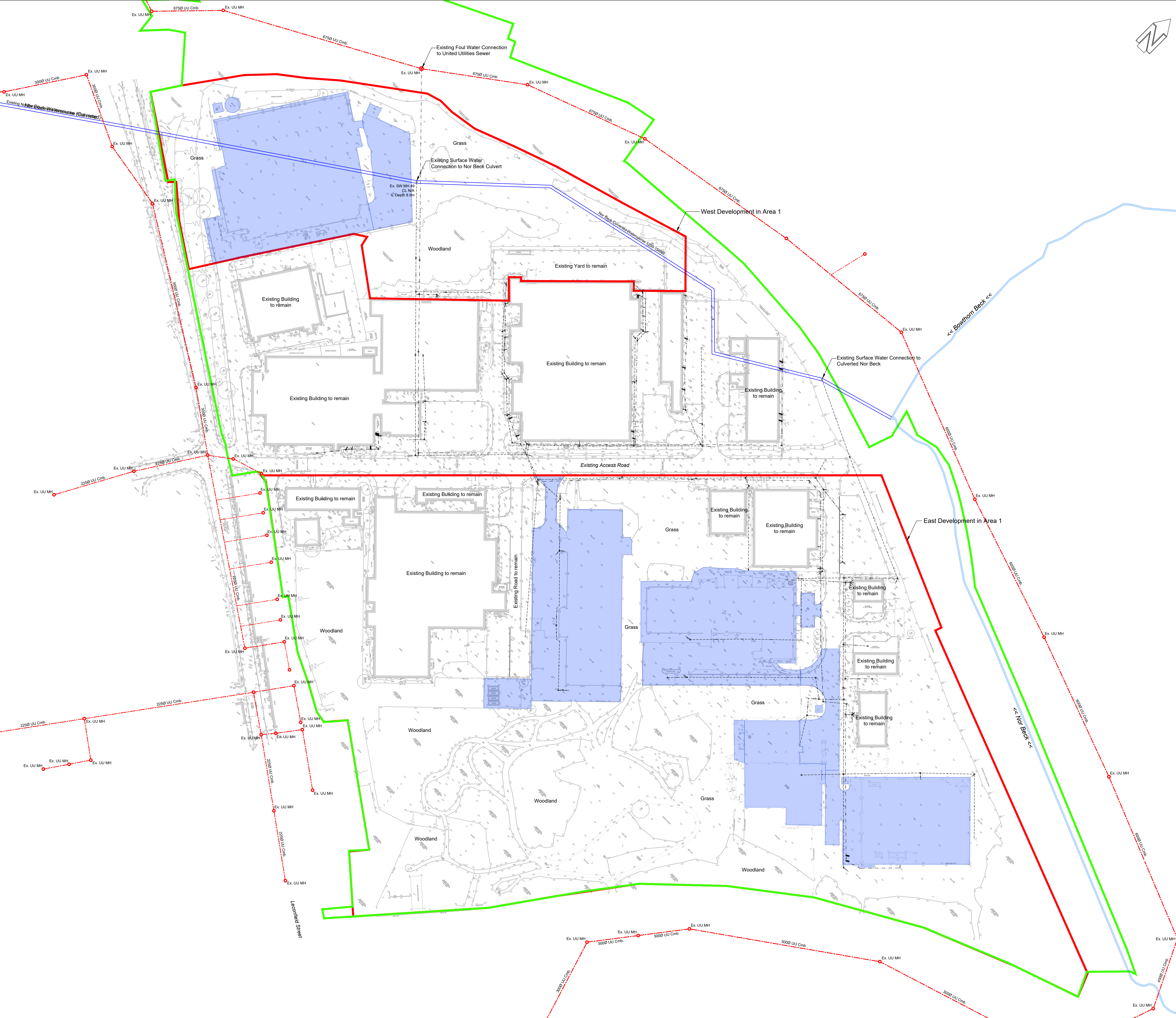




DO NOT SCALE

Notes:

- 1. Drawing is based on topographical survey prepared by White Young Green dated 28/11/2019 and CCTV drain survey prepared by EDS.
- 2. Brownfield discharge rates have been based on current Cumbria LLFA standards (50% reduction on existing discharge rate).

Legend:

- Existing FW Sewer
- Existing SW Drain
- Development Zones within Area 1
- Area 1 Site Boundary

West Development

- Existing Drained Roof Impermeable Area
Area = 0m² = (0.0ha)
- Existing Drained Road/Paving Impermeable Area
Area = 7865m² = (0.7865ha)

Establishing Discharge Rate: West Development

Area highlighted is the hardstanding area which is proposed to be redeveloped as part of Area 1 West, Cleator Moor Industrial Estate. Based on Cumbria standard, any brownfield site must be limited to 140l/s/ha with a 50% reduction. Therefore based on this principal;

140l/s x 0.7865Ha = 110.11 l/s

Reduce 110.11 l/s by 50% to provide proposed discharge rate for West = **55.0 l/s**

East Development

- Existing Drained Roof Impermeable Area
Area = 0m² = (0.0ha)
- Existing Drained Road/Paving Impermeable Area
Area = 18208m² = (1.8208ha)

Establishing Discharge Rate: East Development

Area highlighted is the hardstanding area which is proposed to be redeveloped as part of Area 1 East, Cleator Moor Industrial Estate. Based on Cumbria standard, any brownfield site must be limited to 140l/s/ha with a 50% reduction. Therefore based on this principal;

140l/s x 1.8208Ha = 254.910 l/s

Reduce 254.910 by 50% to provide proposed discharge rate for East = **127.40 l/s**

Issued for Planning	JJH	P02	JC	23.03.2022
Issued for Information	JJH	P01	JC	05.11.2021
AMENDMENT	BY	REV	CHK	DATE

Rev P = Preliminary T = Tender C = Construction LCI = Last Construction Issue

In instances where this drawing completes or partly completes a contract, Billingham George & Partners will consider that it's product has been validated, unless in a period not exceeding 90 working days, the client advises to the contrary.



Billingham George & Partners

CIVIL & STRUCTURAL ENGINEERS | BUILDING SURVEYORS

1st Floor, Wellington House, Wellington Court, Stockton-on-Tees, TS18 3TA

T 01642 876 470 @BGPconsulting E consulting@bgp-teeside.co.uk W www.bgp-consulting.co.uk

Client

Copeland Borough Council

Project

Leconfield Industrial Estate

Project No.

21T2034

Drawing Title

Area 1 - Brownfield Discharge Rate

Drawn	Date	Checked	Date	Size	Scale	Class.	Rev.
JJH	Nov 2021	JC	Nov 2021	A1	1:1000	52	P02
Location	Originator	Volume	Level	Type	Role	Unique No.	
LIN	BGP	01	XX	DR	C	01901	

File Reference

LIN-BGP-01-ZZ-DR-C-52-01901