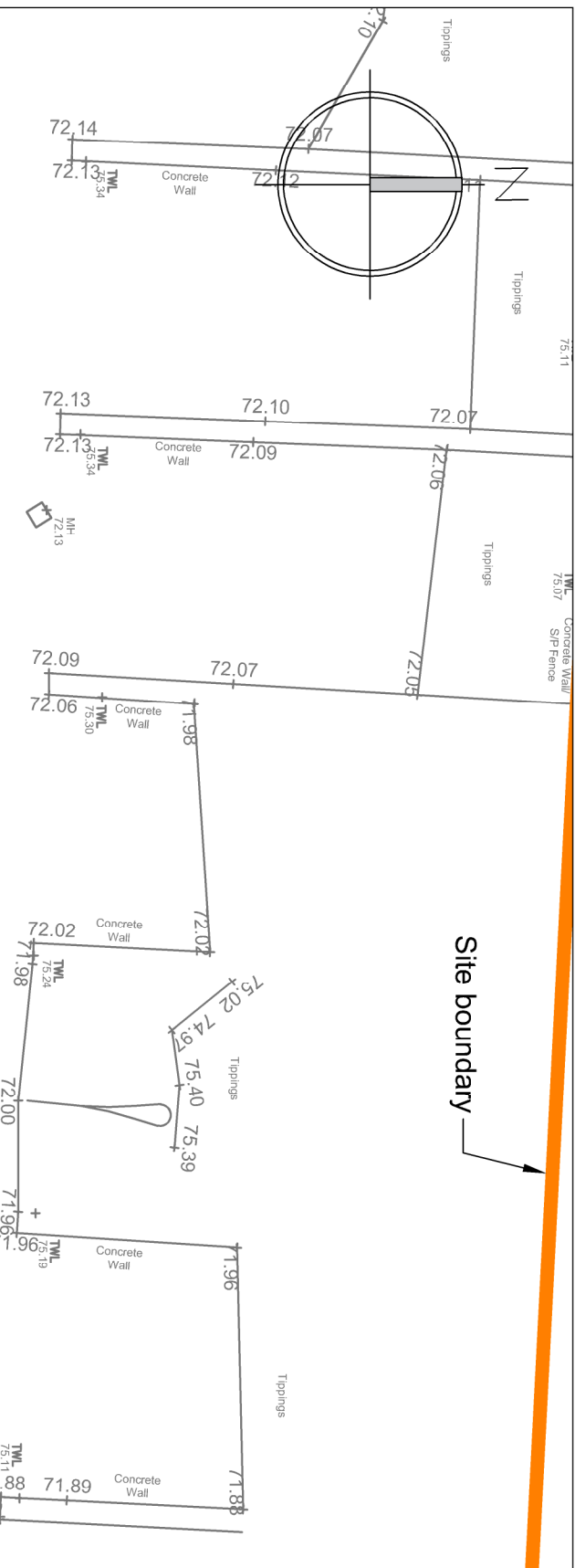
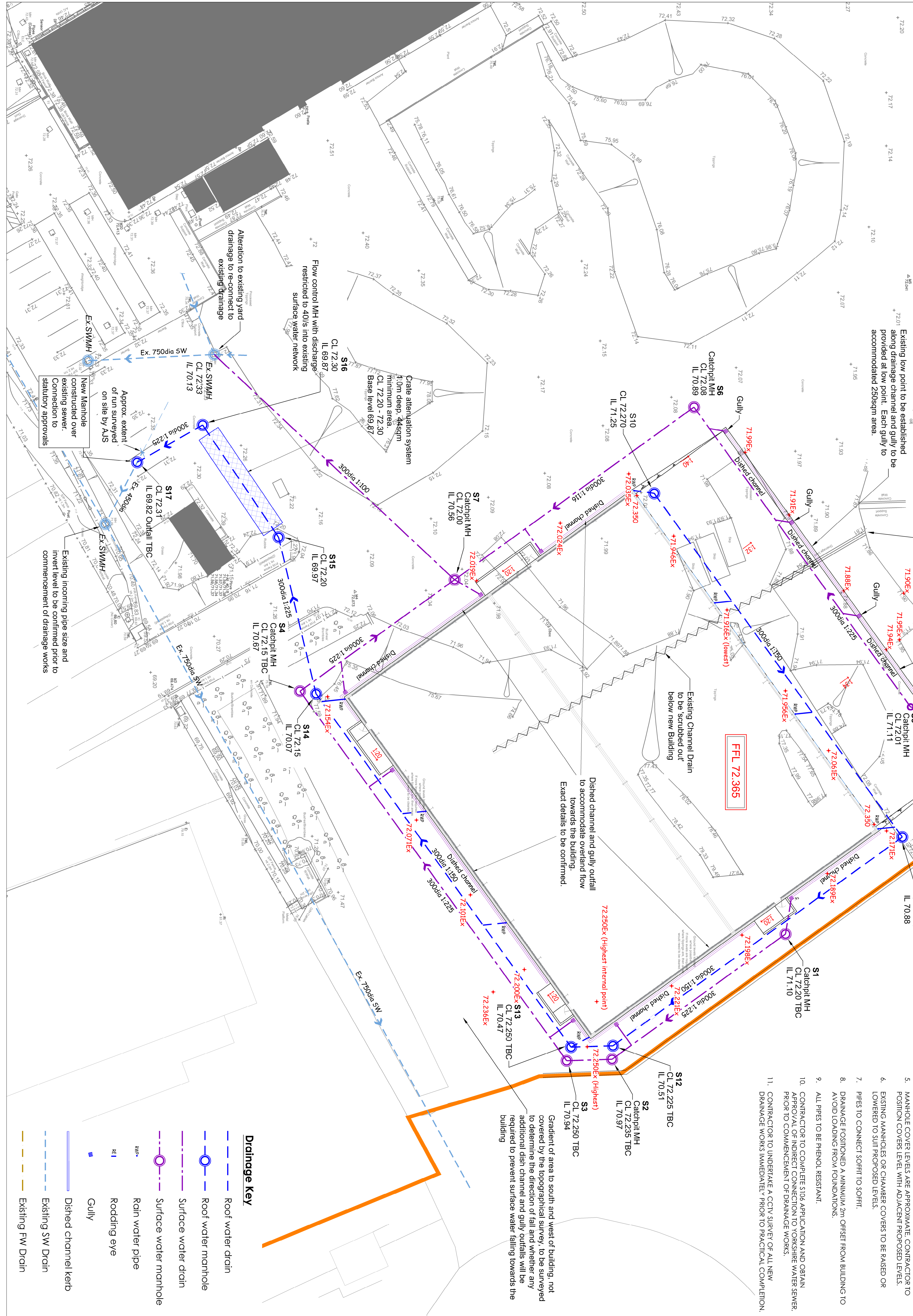




Existing brownfield run off rates within new warehouse development area.	57.5 l/s
1 in 1 year	168 l/s
1 in 100 year	168 l/s
Proposed run off rate for new warehouse development:	
1 in 1 year	40 l/s - 30% betterment
1 in 100 years+40%	40 l/s - 76% betterment

- Drainage Notes**
- THE DRAINAGE HAS BEEN DESIGNED FOR THE PERMANENT WORKS ONLY. ANY ADDITIONAL LOADING RESULTING FROM CONSTRUCTION WORKS IS NOT TAKEN INTO ACCOUNT AND THE CONTRACTOR IS RESPONSIBLE FOR ANY NECESSARY PROTECTION WORKS TO PREVENT DAMAGE TO THE DRAINAGE SYSTEM.
 - THE CONTRACTOR SHALL VERIFY THE LOCATION, INVERT LEVELS AND PIPE DIAMETERS OF EXISTING DRAINAGE WHERE CONNECTION POINTS ARE TO BE MADE, PRIOR TO COMMENCING THE WORKS. ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
 - ALL DRAINAGE WORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH BUILDING REGULATIONS PART H.
 - RWP/SVP LOCATIONS ARE INDICATIVE. REFER TO ARCHITECTS DRAWINGS FOR SETTING OUT.
 - MANHOLE COVER LEVELS ARE APPROXIMATE. CONTRACTOR TO POSITION COVER LEVEL WITH ADJACENT PROPOSED LEVELS.
 - EXISTING MANHOLES OR CHAMBER COVERS TO BE RAISED OR LOWERED TO SUIT PROPOSED LEVELS.
 - PIPES TO CONNECT SOFFIT TO SOFFIT.
 - DRAINAGE POSITIONED A MINIMUM 2m OFFSET FROM BUILDING TO AVOID LOADING FROM FOUNDATIONS.
 - ALL PIPES TO BE FIRE-RESISTANT.
 - CONTRACTOR TO COMPLETE S106 APPLICATION AND OBTAIN APPROVAL OF INDIRECT CONNECTION TO YORKSHIRE WATER SEWER, PRIOR TO COMMENCEMENT OF DRAINAGE WORKS.
 - CONTRACTOR TO UNDERTAKE A CCTV SURVEY OF ALL NEW DRAINAGE WORKS IMMEDIATELY PRIOR TO PRACTICAL COMPLETION.

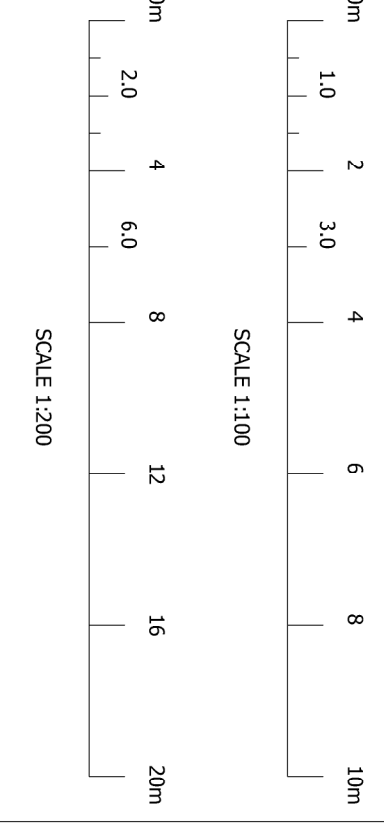
- Notes**
- DO NOT SCALE OFF THIS DRAWING.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ARCHITECTS DRAWINGS AND ALL OTHER RELEVANT DESIGN INFORMATION.
 - THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY DISCREPANCIES BETWEEN DRAWINGS, PRIOR TO THE WORKS COMMENCING.
 - FOR GROUND CONDITIONS REFER TO GROUND INVESTIGATION REPORT. THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY VARIATIONS TO THE REPORTED GROUND CONDITIONS.
 - THE CONTRACTOR TO IDENTIFY AND ACCURATELY LOCATE ANY EXISTING SERVICES, PRIOR TO THE COMMENCEMENT OF WORKS, AND PROVIDE ANY PROTECTIVE MEASURES IN ACCORDANCE WITH THE STATUTORY AUTHORITY REQUIREMENTS.
 - THIS DRAWING IS BASED UPON THE TOPOGRAPHICAL SURVEY PRODUCED BY GREENHATCH, REFERENCE GH10572 DATED 17 May 2021.
 - ALL DRAWINGS ISSUED ARE DEEMED TO HAVE PRELIMINARY STATUS UNTIL ANY REQUIRED APPROVALS HAVE BEEN OBTAINED FROM THE RELEVANT AUTHORITIES.



Drainage Key

- Roof water drain
- Roof water manhole
- Surface water drain
- Surface water manhole
- Rain water pipe
- Rodding eye
- Gully
- Dished channel kerb
- Existing SW Drain
- Existing FW Drain

Rev.	Revision Description	Dn	Date
P1	FIRST ISSUE	AF	April 22
P2	Drainage redesigned	AH	31.05.22
P3	Levels amended to suit revised FFL. Personnel door swings amended.	MWH	12.08.22



Uthwaite Office, 62 Carter Street, Uthwaite, Staffs, ST14 6EU
Derby Office, Suite 5 Keynes House, Alfreton Road, Derby, DE21 4AS
Uthwaite Tel: 01889 723003 Derby Tel: 01332 913011

Contract Title: Glass Recycling Ltd
418 Carlton Road, Barnsley
S71 3HX

Drawing Contents: New Industrial Warehouse
Proposed Drainage and Levels Layout Plan

Drawing Status: preliminary

Drawn by: AF Date: April 2022 Scale: 1:250 @ A1

Drawing No: A5570 - 140 P3