

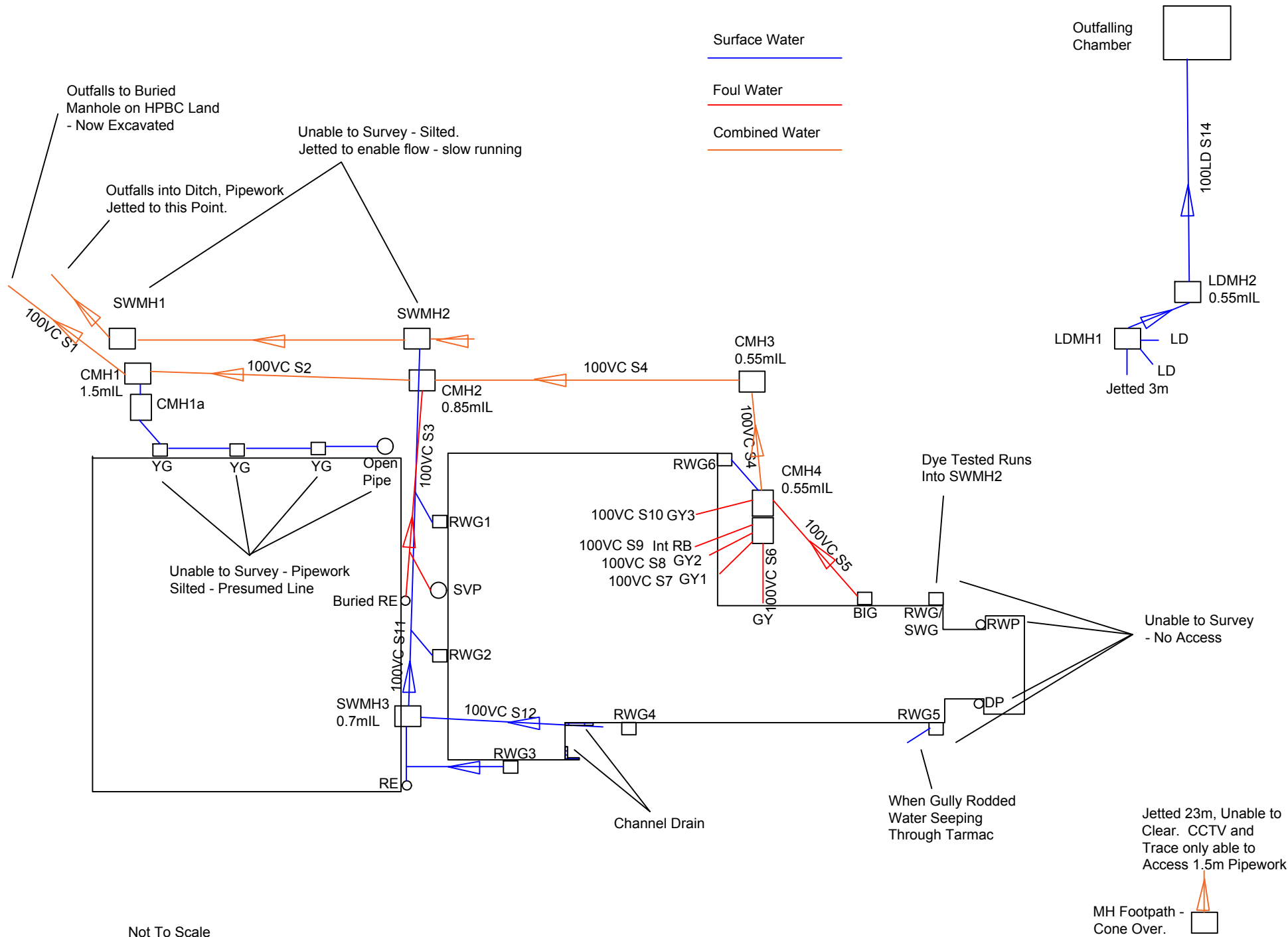
1607 Chinley Community Centre (HPK/2021/0525)

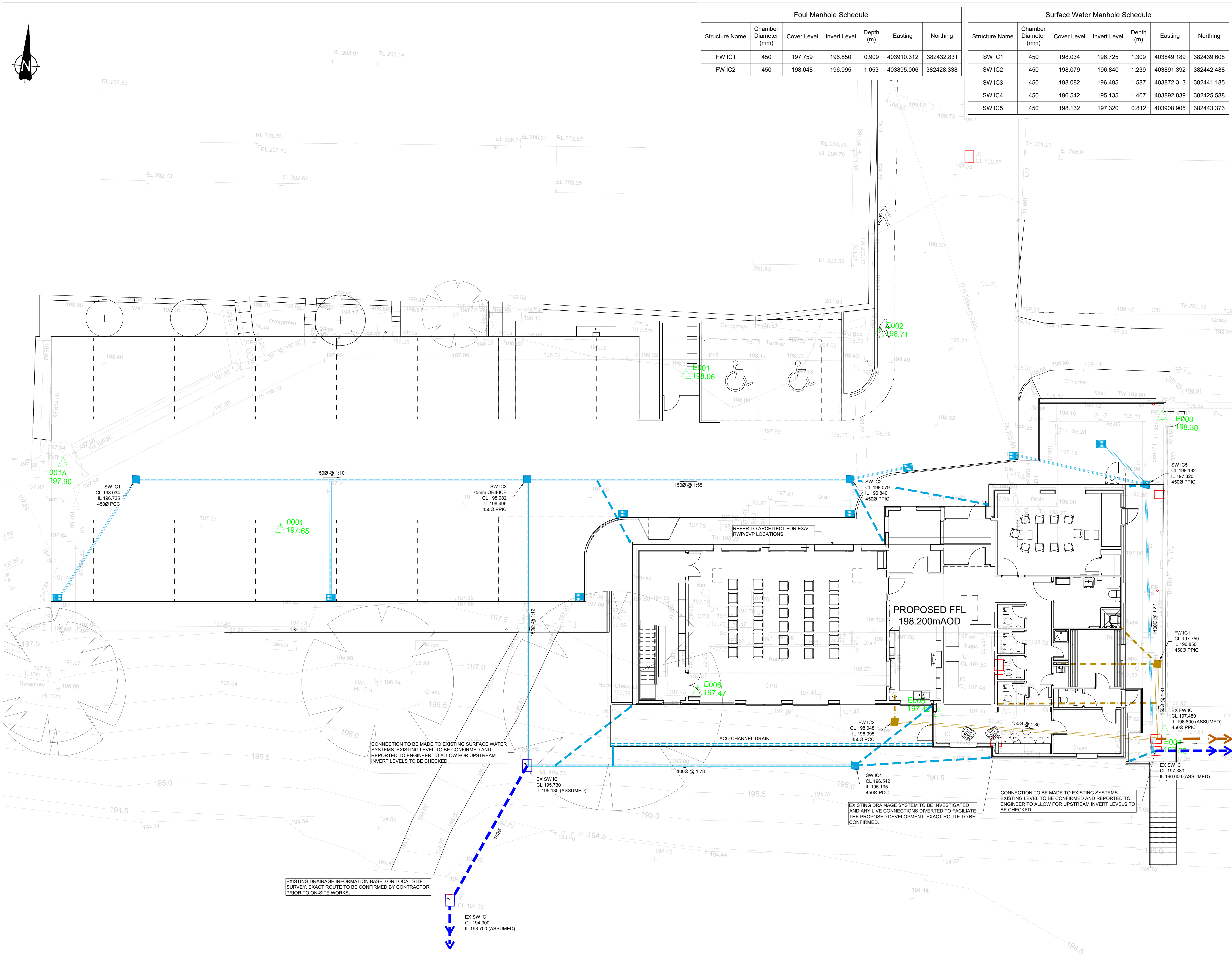
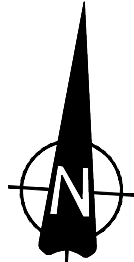
Discharge of Conditions no. 11

Details of Sustainable Surface Water Drainage Scheme

11. Sustainable surface water drainage scheme:

- i) A site investigation was undertaken by Ensaf Consultants which concluded that superficial deposits of Glacial Till was encountered beneath the Made Ground in all locations. This stratum typically comprised firm to stiff dark brown slightly gravelly CLAY. This precludes the use of infiltration drainage systems for the development, discharge to a watercourse via a surface water sewer was considered the favourable option in accordance with the drainage hierarchy.
- ii) Discharge from the site has been restricted by a 75mm orifice plate which has been sized in accordance with best practice guidelines for minimum orifice diameter.
- iii) Proposed drainage drawing attached with all level information in mAOD.
- iv) FFL has been set 150mm above external ground levels and external ground levels have been designed to safely route overland flows away from buildings, using the less vulnerable parts of the proposed development to convey and attenuate / store overland flows. Overland flows resulting from exceedance events are expected to leave the developed site towards the low-lying south-west portion of the site, as currently occurs, without posing any increased flood risk on site or elsewhere.
- v) CCTV Survey report attached—surface water (SW) discharges to ditch/watercourse and foul water (FW) connects to existing manhole. Both immediately West of garage block behind No.2 Rhuddlan Place.
- vi) Noted, design has been prepared as such.





Foul Manhole Schedule						
Structure Name	Chamber Diameter (mm)	Cover Level	Invert Level	Depth (m)	Easting	Northing
FW IC1	450	197.759	196.850	0.909	403910.312	382432.831
FW IC2	450	198.048	196.995	1.053	403895.006	382428.338

Surface Water Manhole Schedule						
Structure Name	Chamber Diameter (mm)	Cover Level	Invert Level	Depth (m)	Easting	Northing
SW IC1	450	198.034	196.725	1.309	403849.189	382439.608
SW IC2	450	198.079	196.840	1.239	403891.392	382442.488
SW IC3	450	198.082	196.495	1.587	403872.313	382441.185
SW IC4	450	196.542	195.135	1.407	403892.839	382425.588
SW IC5	450	198.132	197.320	0.812	403908.905	382443.373

Do not scale from drawings unless by agreement with Architect/Engineer. Work to figured dimensions only. Check all dimensions on site prior to commencing the works. Drawings to be read in conjunction with other relevant consultant information. Where any discrepancy is found to exist it should be reported to the Architect/Engineer immediately.



DRAINAGE LEGEND

450mm DIA. PRIVATE INSPECTION CHAMBER. TO BE USED TO A MAXIMUM DEPTH OF 1200mm TO INVERT



600mm DIA. PRIVATE INSPECTION CHAMBER. TO BE USED WHERE DEPTH TO INVERT IS 3000mm OR LESS. REDUCED ACCESS FITTING REQUIRED AT DEPTHS GREATER THAN 1200mm



PROPOSED PROPOSED ROAD GULLY & CONNECTING PIPE WORK. 1500 PIPE UNLESS NOTED OTHERWISE



EXISTING SURFACE WATER SEWER



EXISTING FOUL SEWER



NOTE:
ALL PRIVATE DRAINAGE TO BE 100mm RIGID PIPE OR 110mm FLEXIBLE PIPE UNLESS OTHERWISE SHOWN
UNLESS OTHERWISE SHOWN
ALL DRAINAGE / PIPE WORK TO BE INSTALLED IN ACCORDANCE WITH BUILDING REGULATIONS APPROVED DOCUMENT PART H 2010, NHBC STANDARDS 2015 AND RELATIVE GUIDANCE DOCUMENTS
MANUFACTURERS INSTALLATION & GUIDANCE LITERATURE AND NOTES.

GENERAL NOTES:

- THIS DRAWING IS BASED ON ORDNANCE SURVEY AND TOPOGRAPHICAL SURVEY INFORMATION RECEIVED. WE CAN ACCEPT NO LIABILITY FOR DESIGN BASED ON INFORMATION RECEIVED.
- THIS DESIGN HAS BEEN CARRIED OUT TO APPROPRIATE STANDARDS BUT IT IS TO BE CHECKED IN ACCORDANCE WITH PROCUREMENT AND REQUIREMENTS PRIOR TO THE COMMENCEMENT OF WORKS.
- ALL LEVELS, DIMENSIONS AND DETAILS TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR FABRICATION.
- NO EXISTING BELOW GROUND CONDITIONS HAVE BEEN PROVIDED. THEREFORE, ALL INFORMATION IS TO BE VERIFIED FURTHER TO ANY SITE WORKS.
- NO EXISTING SERVICES INFORMATION HAVE BEEN PROVIDED. THEREFORE, ALL INFORMATION IS TO BE VERIFIED FURTHER TO ANY SITE WORKS.
- EXISTING GROUND LEVELS AND GROUND PROFILES HAVE BEEN TAKEN FROM THE INFORMATION PROVIDED AND AS SUCH ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

HEALTH & SAFETY AND CDM:

(THE FOLLOWING ARE TO BE READ IN CONJUNCTION WITH CONTRACTORS RISK ASSESSMENTS)

- CONTRACTOR TO UNDERTAKE ALL POSSIBLE PRECAUTIONS WHEN EXCAVATING. ALL EXISTING SERVICES INFORMATION TO BE OBTAINED PRIOR TO THE COMMENCEMENT OF WORKS AND IDENTIFIED ON SITE USING CAT SCANNERS. EXCAVATION TO BE UNDERTAKEN WITH DUE DILIGENCE AND HAND DIGGING TO BE ADOPTED WHERE APPROPRIATE.
- CONTRACTOR TO MINIMISE THE AMOUNT OF TIME ANY EXCAVATIONS REMAIN EXPOSED AND COMPLY WITH LEGISLATIVE AND GOOD PRACTICE GUIDELINES.
- ALL TASKS TO BE UNDERTAKEN BY SUITABLY TRAINED AND EXPERIENCED OPERATIVES FOLLOWING APPROVED METHOD STATEMENTS WITH ADEQUATE RESOURCE ALLOCATED TO EACH TASK.
- FOR ANY WORK REQUIRING COMPACTING OF MATERIALS AND CONCRETE, PERSONNEL TO USE SUITABLE PPE AND USE ONLY LOW VIBRATION EQUIPMENT. AMOUNT OF TIME OF USE TO BE LIMITED TO SAFE LEVELS IN ACCORDANCE WITH CONTRACTORS APPROVED METHOD STATEMENTS.
- APPROPRIATE MANAGEMENT SAFETY PLAN TO BE IN PLACE FOR DEALING WITH POTENTIAL GROUND CONTAMINATION.
- IN ORDER TO ENSURE THAT THE SIDE EXCAVATIONS REMAIN STABLE DURING EXCAVATIONS, CONTRACTOR TO ASSESS STABILITY AND PROVIDE TEMPORARY SHORING TO ENSURE SAFE WORKING AREA.

Revision	Date	Drawn	Description
P1	19/11/21	AW	Issued for information.
P2	24/11/21	CA	Revised to suit comments.
T1	14/01/22	AW	Issued for Tender

Client & Project
Buxworth & Brownside Parish Council
Chinley Community Centre

Address
Chinley Community Centre
Lower Lane,
Chinley,
High Peak,
SK23 6BE
Drawing Title

Proposed Drainage Plan

Status / Stage	Sheet	Scale @ A1	Drawn	Checked
D2	1 of 1	1:100	CA	AW

Drawing Number
S3096-BDN-XX-XX-DR-C-0101

Revision	T1
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0mm	1.0m	2.0m	4.0m	6.0m
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