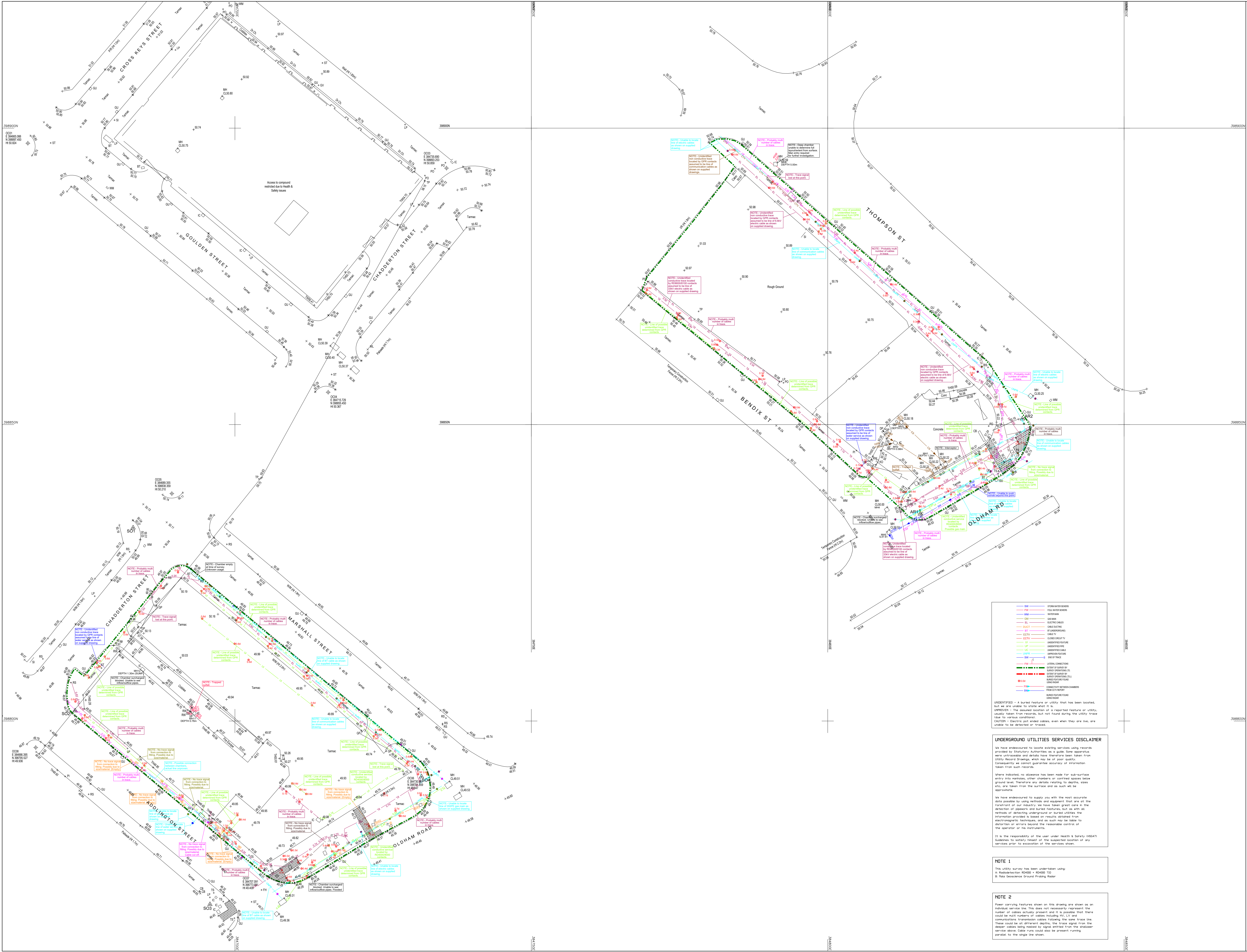

Project:	Bendix Street, Manchester	Job No:	3356
Subject:	Existing Drainage Technical Note		
Prepared by:	E Dale	Date:	22/04/2022
Approved by:	K Clark	Date:	22/04/2022

- 1.1 This Technical Note has been prepared following a request from Manchester City Council as Lead Local Flood Authority regarding the potential route of the River Tib beneath the site.
- 1.2 Appendix A contains the full GPR survey of the site, this confirms there are no unidentified manholes on the site nor are there any traces of the culvert flowing through the site. The site-specific CCTV survey for the scheme confirmed that all existing on-site was associated with the previous buildings and outfall into the surrounding combined sewers. The CCTV survey also covered all drainage within the surrounding roads, all of which are confirmed to be United Utilities combined sewers.
- 1.3 As part of the Site Investigation undertaken by E3P trial pits were excavated across the whole site at varying depths of between 0.80m to 3.45mbgl, with a cable percussive borehole drilled down to 21.390mbgl. The Site Investigation confirmed that the suitable target founding strata was identified as the underlying stiff to very stiff glacial clays or sandstone bedrock. It was therefore recommended that piled foundations are utilised for the scheme. Green piling completed the design calculations for the required piles, and these have been installed across the site to a depth of approximately 24mbgl.
- 1.4 E3P also produced a Remediation and Enabling Works Strategy report which confirmed the requirement to excavate down to the natural strata (between 2.4-4.0mbgl) across the site to dig out and re-engineer the Made Ground as suitable fill material. These works were completed at the start of the project.
- 1.5 There has been no evidence of the River Tib found during any of the intrusive construction works detailed above. Therefore, there is deemed to be sufficient evidence to confirm that this historical watercourse does not exist beneath the development site.

APPENDIX A



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Note:
The survey is plotted on a plane local Grid. Orientation to National Grid.
All levels relate to Existing Site Datum.

Survey Control Markers established for Mapping purposes only and should not be used for Construction without the written approval of Survey Operations Ltd.

Drainage information must be verified with local authority records before use

Utility survey added to topographical survey (X-Topo Ben) supplied by client.

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Email: mail@surveys.co.uk - www.surveys.co.uk

Client
Scott Hughes Design

Drawing Title
Utility Survey of Land at:
New Cross
Manchester

Scale(s)	1:200	Surveyor	AR
Date	NOV 20	Drawn	IT
Job Number	201159	Checked	AR/IT

Sheet Size & Drg Number & Revision
A0 201159/001