

Project Title: Proposed Extension to Units 3B & 3C, Peel Retail Park, Barnsley

Document No: 215-28-DOC001

Client: Peel Property (Investments) Ltd

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Sheet

Des Phil

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Prepared by: TM	Date: Nov 2021	Checked by: KGP	Date: Nov 2021	Approved by: KGP	Date: Nov 2021
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Revisions

Ref	Date	Description	Checked	Approved

Project Title: Proposed Extension to Units 3B & 3C, Peel Retail Park, Barnsley

Des Phil

Project No: 82-13

Client: Peel Property (Investments) Ltd

DESIGN PHILOSOPHY

A) Description

It is proposed to combine existing retail units and construct an extension to the rear at Peel Retail Park, Barnsley.

The overall site impermeable area is to remain as existing. Therefore, all surface water from the hardstanding, roads and parking spaces will discharge as per the existing situation.

In addition to this only 535m² of existing impermeable hardstanding is being replaced by impermeable roofing. The total impermeable area on the existing site is approximately 44,720m², of which approximately 14,830m² is roof. The change in hardstanding to roof is relatively small compared to the existing impermeable roof and impermeable hardstanding. There is no change to the total impermeable area on site, and therefore no change to existing surface water discharge.

The surface water drainage modifications for the proposed development will comprise a piped surface water drainage system to match the existing drainage system on site. The surface water drainage system will discharge unrestricted into the existing system as per current arrangements. On this basis the surface water drainage hierarchy is effectively unchanged.

The foul drainage for the proposed development will comprise a piped foul drainage system to match the existing drainage system on site. Which is to discharge unrestricted into the existing system as per the existing situation.

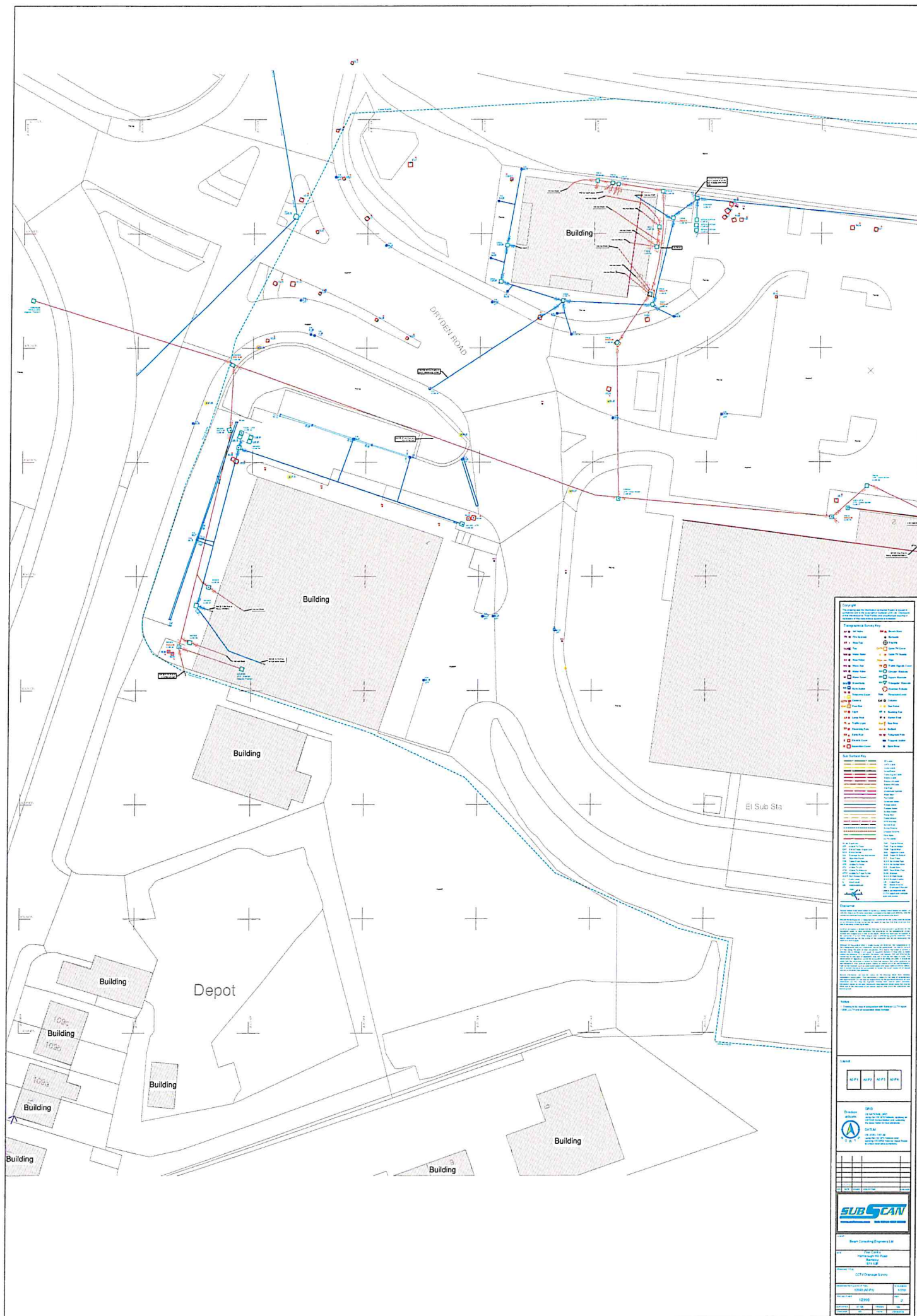
For the proposed site drainage modifications see sketch 82-13-SK002, attached.

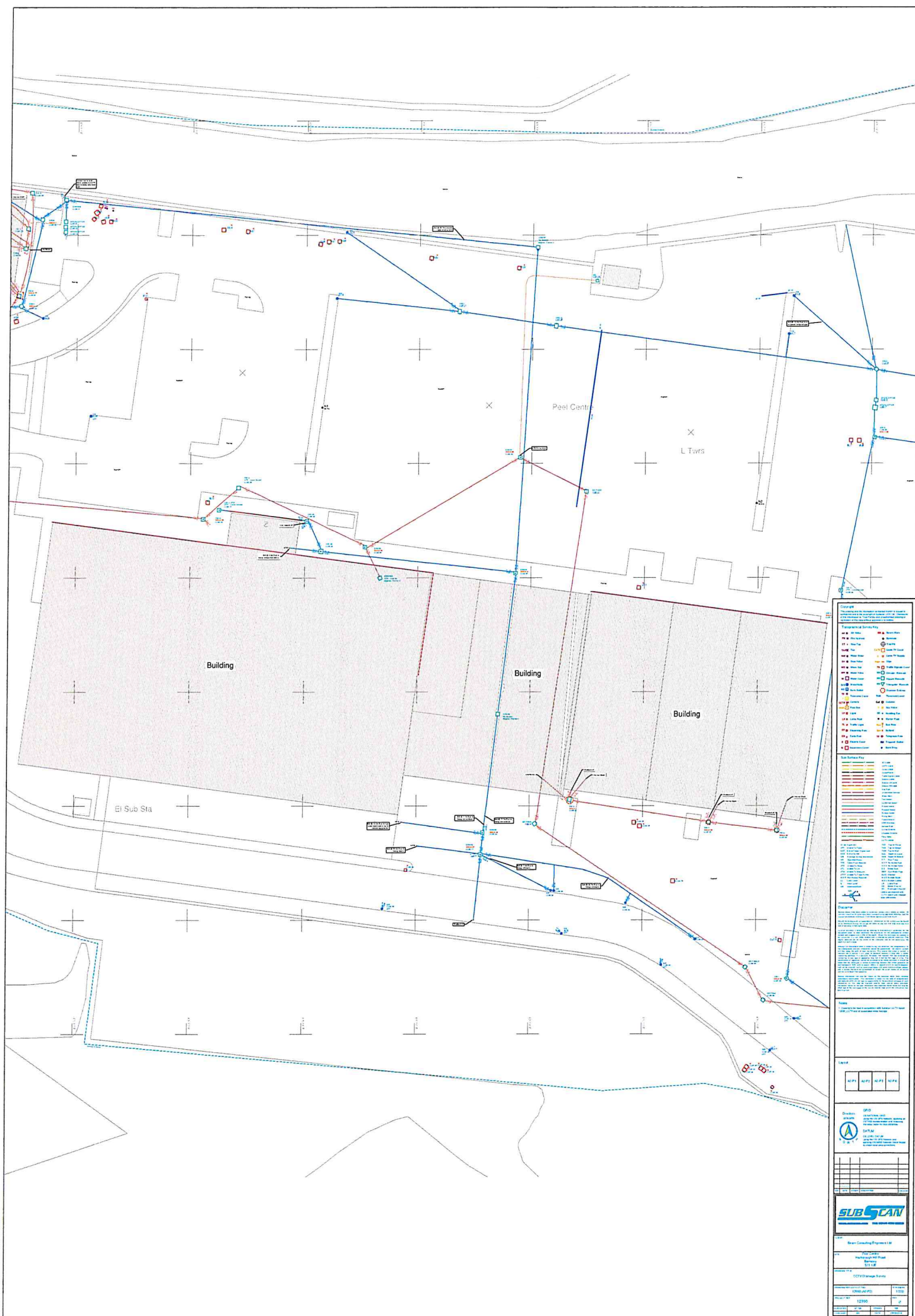
B) Design Codes

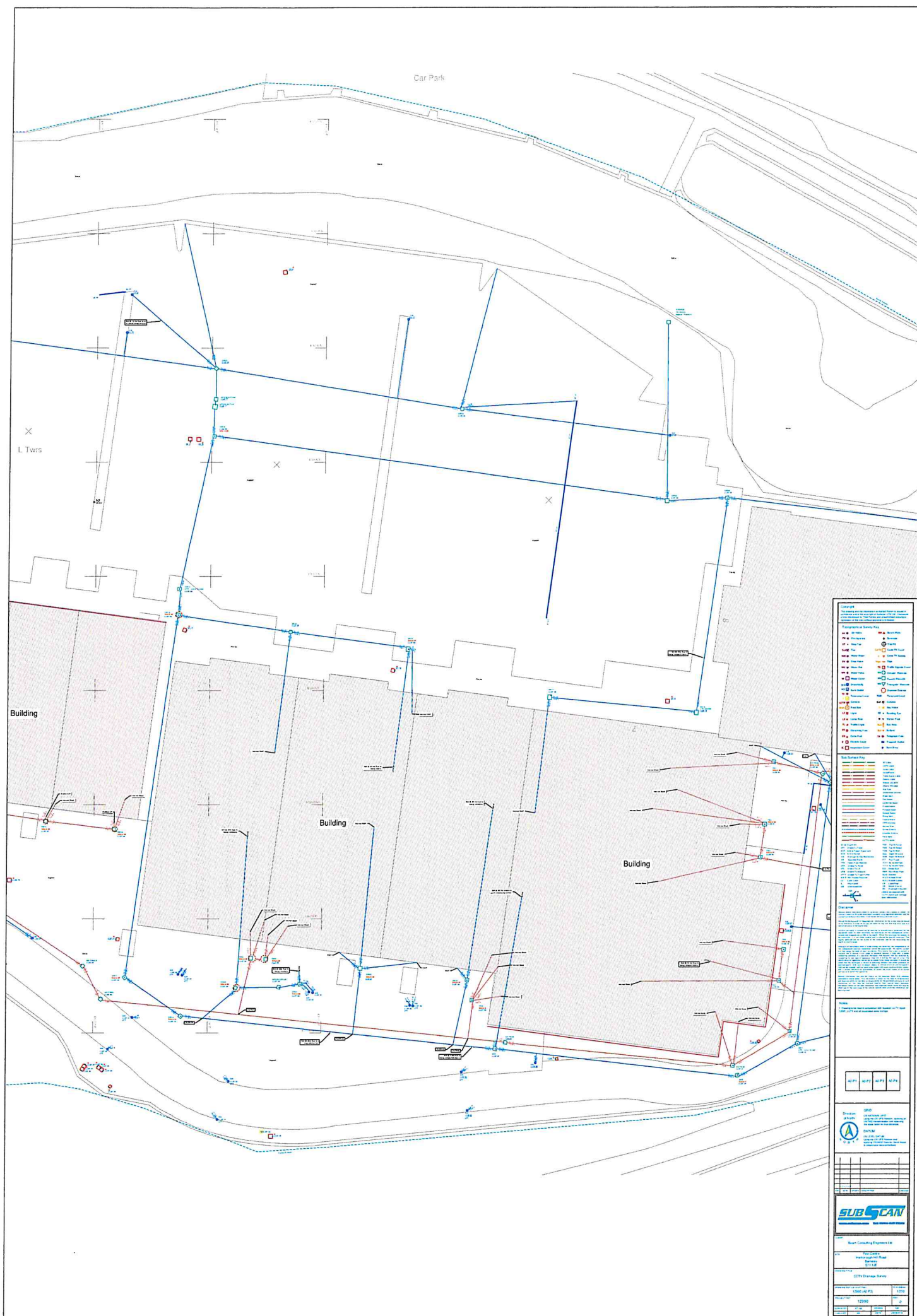
The Wallingford Procedure - Design and Analysis of Urban Drainage. Volume 1 Principles, Methods and Practice. Volume 4 - Modified Rational Method.
BS EN 12056 Gravity drainage systems inside buildings

Attached:

82-13-SK002 Outline drainage strategy sketch
12990 – Existing drainage survey
15331241-C1002 Rev J – As built drainage general arrangement







Station	Easting	Northing	Level
N1	435142.967	406949.862	65.714
N2	435219.635	406933.047	66.613

