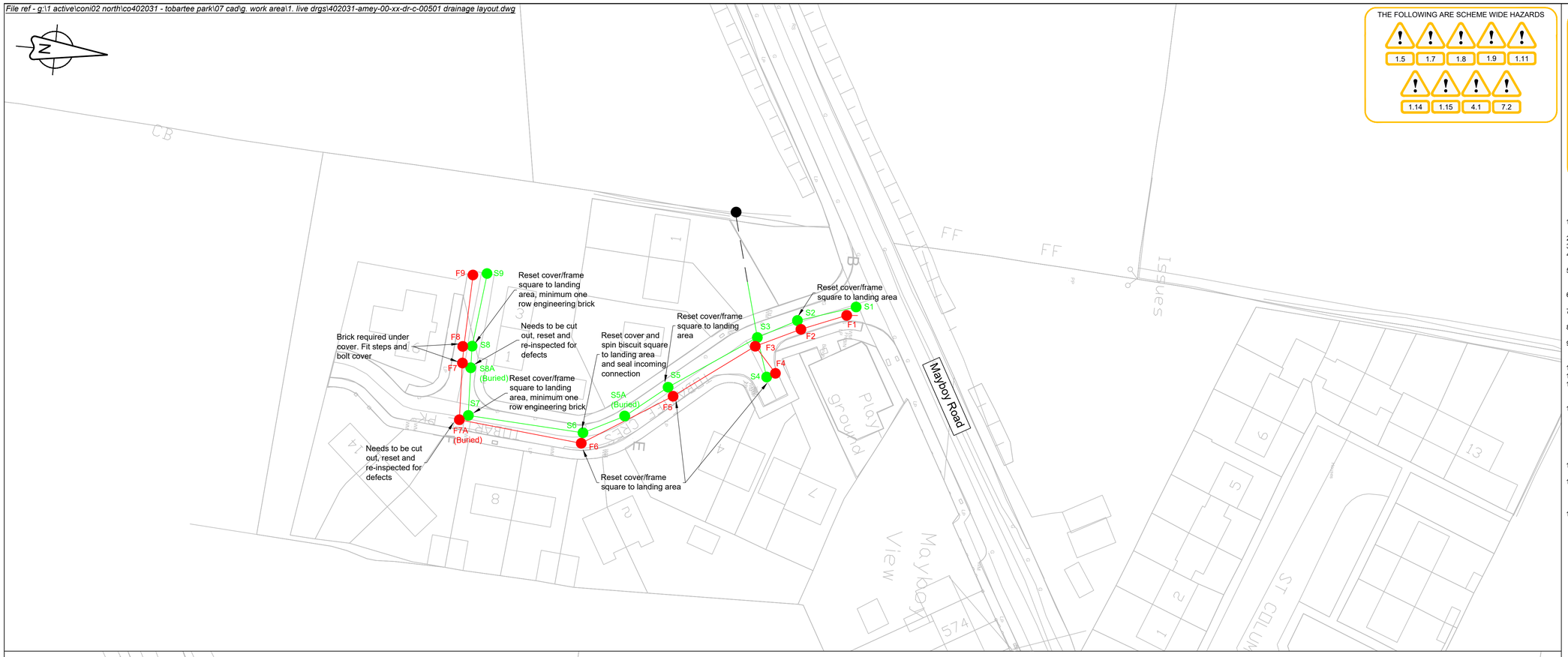
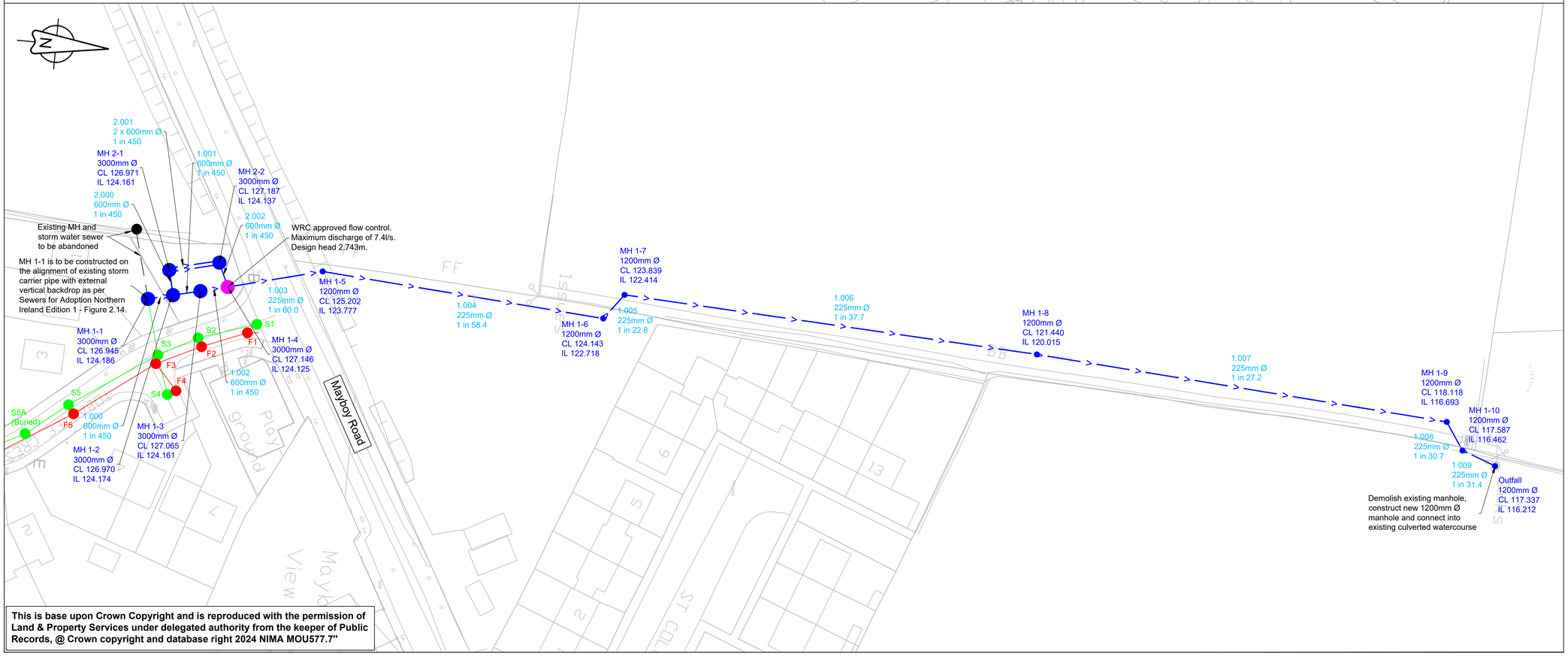
File ref - g:\1 active\coni02 north\co402031 - tobartee park\07 cad\g. work area\1. live drgs\402031-amey-00-xx-dr-c-00501 drainage layout.dwg





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THE FOLLOWING ARE SCHEME WIDE HAZARDS

1.5 1.7 1.8 1.9 1.11

1.14 1.15 4.1 7.2

RESIDUAL DESIGN HAZARDS

(The following information has been collected from preconstruction information and the Amey Consulting CDM hazard management process.)

1.5 General site clearance.
1.7 Working in the vicinity of a local watercourse.
1.8 Working in the vicinity of contaminated land.
1.9 Access restrictions.
1.11 Working adjacent to residential properties / members of the public.
1.14 Working in the vicinity of overhead & underground services.
1.15 Working adjacent to live traffic.
4.1 Unknown ground conditions.
7.2 Excavation and carriageway planing.

NOTES

1. This drawing shall be read in conjunction with all other contract drawings and contract documents.
2. All levels are in meters above Belfast Ordnance Datum (OD).
3. All dimensions are in meters unless stated otherwise.
4. All specifications are to Manual of Contract Documents for Highway Works (MCHW) Volume 1 - Specifications For Highway Works unless otherwise stated.
5. Proposed manholes MH 1-5, MH 1-6, MH 1-7, MH 1-8, MH 1-9 & MH 1-10 shall be of type 'Large Diameter Shallow Dig (Depth<3m) Manhole - NIW Reference: NIW-WWMH-01'.
6. Proposed manholes MH 1-1, MH 1-2, MH 1-3, MH 2-1 & MH 2-2 shall be of type 'Large Diameter Attenuation Manhole - NIW Reference: NIW-WWMH-04'.
7. Proposed vortex flow control manhole, MH 1-4, must be certified by the Water Research Centre (WRC).
8. The position and invert levels of all existing drainage and culverts are to be confirmed on site by the Principal Contractor prior to construction commencing.
9. Positions of proposed manholes, chambers and outlets are indicative only with the exact position to be confirmed on site by the Principal Contractor prior to construction commencing.
10. Outfall pipes should be turned in the direction of flow.
11. All existing gullies and drains within scheme extents to be jetted.
12. Reinstatement of all openings in public carriageways shall comply with the requirements of "The Specification for the Reinstatements of Opening in Highways" 2nd Edition – Northern Ireland Road Authority and Utilities Committee (NIRAUC).
13. The location and details of Statutory Undertaker apparatus as outlined in the Pre-Construction Information (PCI) are indicative only. The exact location must be verified and recorded prior to works being undertaken. All excavations to be carried out in the vicinity of live services must be hand dug and carried out under the supervision of a representative of the relevant Statutory Undertaker. Principal Contractor to have in place a 'Permit to Dig'. Location of existing services to be confirmed by CAT and Genny before excavation commences.
14. References for existing drainage from 'Tobartee Park, Garvagh CCTV map'. Existing information included in PCI.
15. Type Z pipe bedding to be used when cover level is less than 0.9m and 2m upstream and downstream of all culvert crossings or in field entrances. Type S pipe bedding to be used for remaining proposed pipe (refer to dwg F1 of MCHW Construction Details).
16. Principal Contractor responsible for the construction of the footway, carriageway and repairs existing drainage in alignment with Article 3 of The Private Streets (NI) Order 1980.

KEY

- Existing layout
- Existing foul carrier pipe
- Existing storm carrier pipe
- Proposed storm carrier pipe
- Proposed storm manhole
- Proposed vortex flow control manhole
- Existing storm manhole
- Existing foul manhole
- Existing storm manhole to be capped and infilled with ST2 concrete
- Existing storm carrier pipe to be decommissioned

Rev	Revision details	Drwn	Chkd	Appd	Date
P03	Proposed drainage updated	DP	DH	PW	06/05/2024
P02	Proposed drainage updated	DP	DH	PW	21/12/2023

Designed:	CMcC	Date:	25/09/2023
Drawn:	PM	Date:	25/09/2023
Snr Tech Check:	-	Date:	-
Checked:	GMcL	Date:	25/09/2023
Approved:	GMcL	Date:	03/10/2023

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www.amey.co.uk

Client
Department for Infrastructure
Northern Division County Hall
Castlerock Road Coleraine
BT51 3HS (028) 7034 1300

Project Name
Tobartee Park Article 11 Works

Drawing Title
Proposed Drainage Layout

Original Drawing Size : A1	Scale : 1:500
Dimensions : m	

Drawing Status	Suitability
SUITABLE FOR INFORMATION	S2

Drawing No	Rev
CO402031-AMEY-00-XX-DR-C-0501	P03