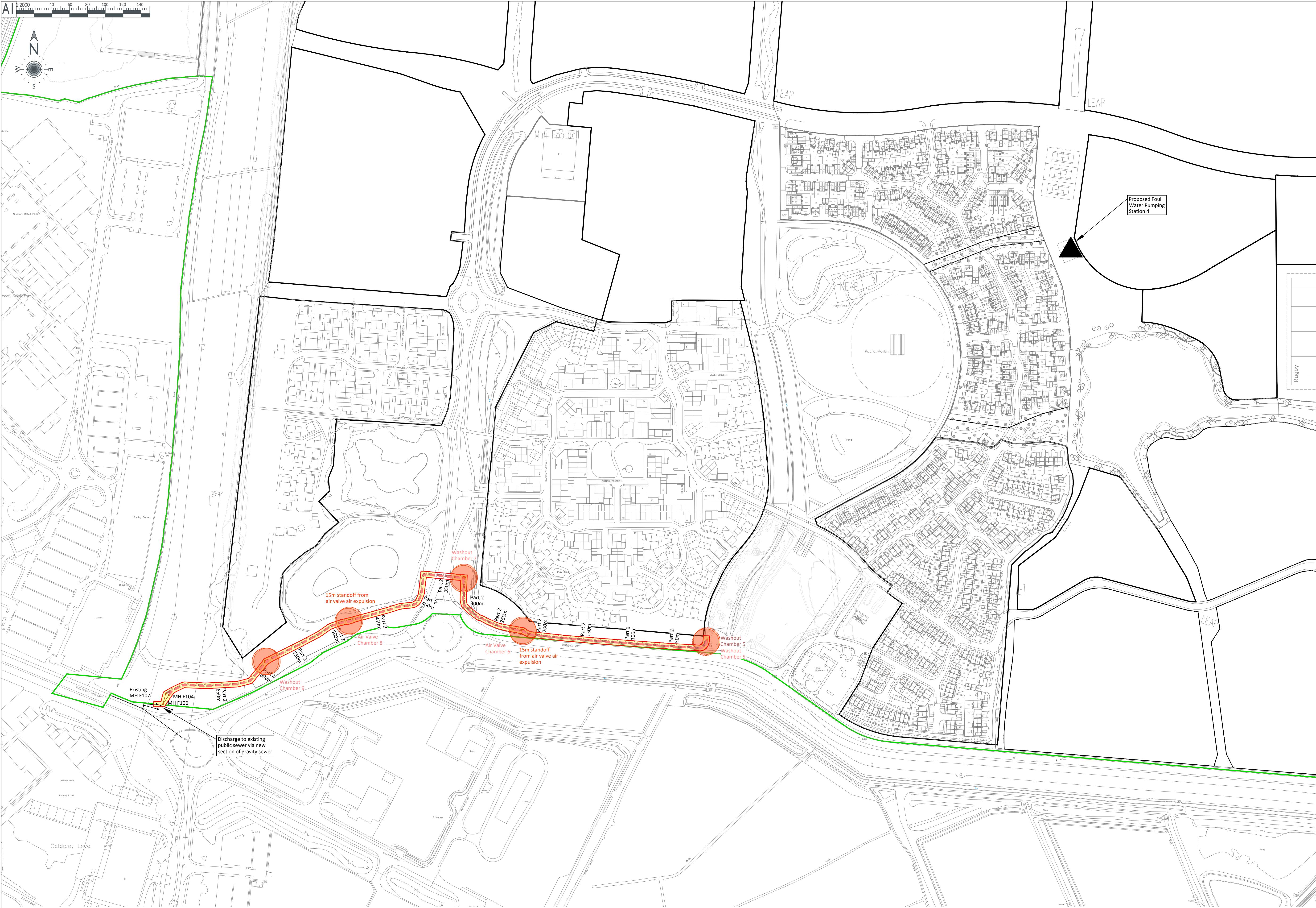
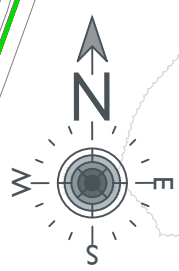


AI 1:2000 40 60 80 100 120 140



NOTES
These drawings have been produced with reference to the CDM Regulations 2015. Please note that these are pre-construction phase drawings and should be subject to further design risk management as required in accordance with Regulation 9

- LEGEND**
- Site Works Boundary Line
 - Phasing Boundary Lines
 - Planning Boundary
 - P54 Rising Main & Chainage Marker
 - P54 Washout / Airvalve Chamber
 - P55 Rising Main & Chainage Marker
 - P55 Washout / Airvalve Chamber
 - Proposed Foul sewer
 - Existing foul sewer
 - Easement. 6m overall width, centered on pipe
 - 15m standoff from air valve air expulsion
 - Pumping Station

- Minimum radius for laying black HPPE pipe is 25 x rising main O.D
- Thrust blocks to be installed on any tight bend.
- Horizontal curvature to be no greater than 22.5°, each bend to be separated by 1m straight
- In verge minimum cover to top of pipe = 0.9m. In carriageways and access ways minimum cover = 1.2m. Level of pipe as per invert levels shown.
- The route of rising main shall be marked, where practical at every change of direction by approved concrete marker posts. The words "pumped sewer" and depth to top of pipe in meters should be marked on posts.
- Non degradable marker tape (Terratape Sentry Line Detectable 620 or similar approved) shall be laid 300mm above the top of pipe. The tape shall incorporate a track wire which shall be brought to the surface at every marker post (or approx 250m) and connected to terminals on the post. At chambers the tape shall be terminated with 1m of wire coiled inside chamber, entry bring through a sealed duct 300mm below F.G.L. At discharge point marker tape should be terminated as agreed with inspector.
- Rising main fittings to chambers to be ductile iron. Rising main pipework to be (Black) HPPE, size as noted on sections.
- On gravity portion of RM, pipeline is to be butt-fusion welded and de-deaded during installation.
- Departure from the design level of any point on the pipeline shall not exceed 30mm, excess of this will cause adverse hydraulic effect.
- All works to be in accordance with "Sewerage sector guidance - Appendix C - DCG 2020" and the Adopting Water Authority's recommendations. All testing shall be carried out as described in "Sewerage sector guidance - Appendix C - DCG 2020".
- Consult pipe manufacturer for laying and proprietary construction details
- All works in vicinity of trees to be conducted as per the guidelines laid down in BS5837 "Trees in relation to construction"
- Any 'Statutory Undertakers' apparatus shown on these drawings should be taken as a guide only, care should be taken when excavating
- All adoptable drainage must be laid in accordance with "Sewerage sector guidance - Appendix C - DCG 2020", together with the Sewerage Undertaker's requirements.

P54 Rising Main
Size: 245.9mm internal diameter
280mm O/D SDR17 HPPE
Non-degradable marker taper to be laid 300mm above rising main.

P55 Rising Main
Size: 227.4mm internal diameter
280mm O/D SDR11 HPPE
Non-degradable marker taper to be laid 300mm above rising main.

PO1	07/11/25	First Issue.	JP
REV	DATE	REVISION NOTE	BY

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CLIENT
St. Modwen Developments

PROJECT
Llanwern Newport

DRAWING TITLE
Pumping Station 4 & 5
Rising Main
Offsite Route Plan

DRAWING ISSUE STATUS
PLANNING

PJA JOB No. SUB-CODE **DRAWING NO.** REVISION
02554 - A - 121 - P01

Revision Letter: P - Prelim / A - Approval / T - Tender / C - Construction
BIM DRAWING REFERENCE

SCALE	DRAWN	REVIEWED	DATE
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