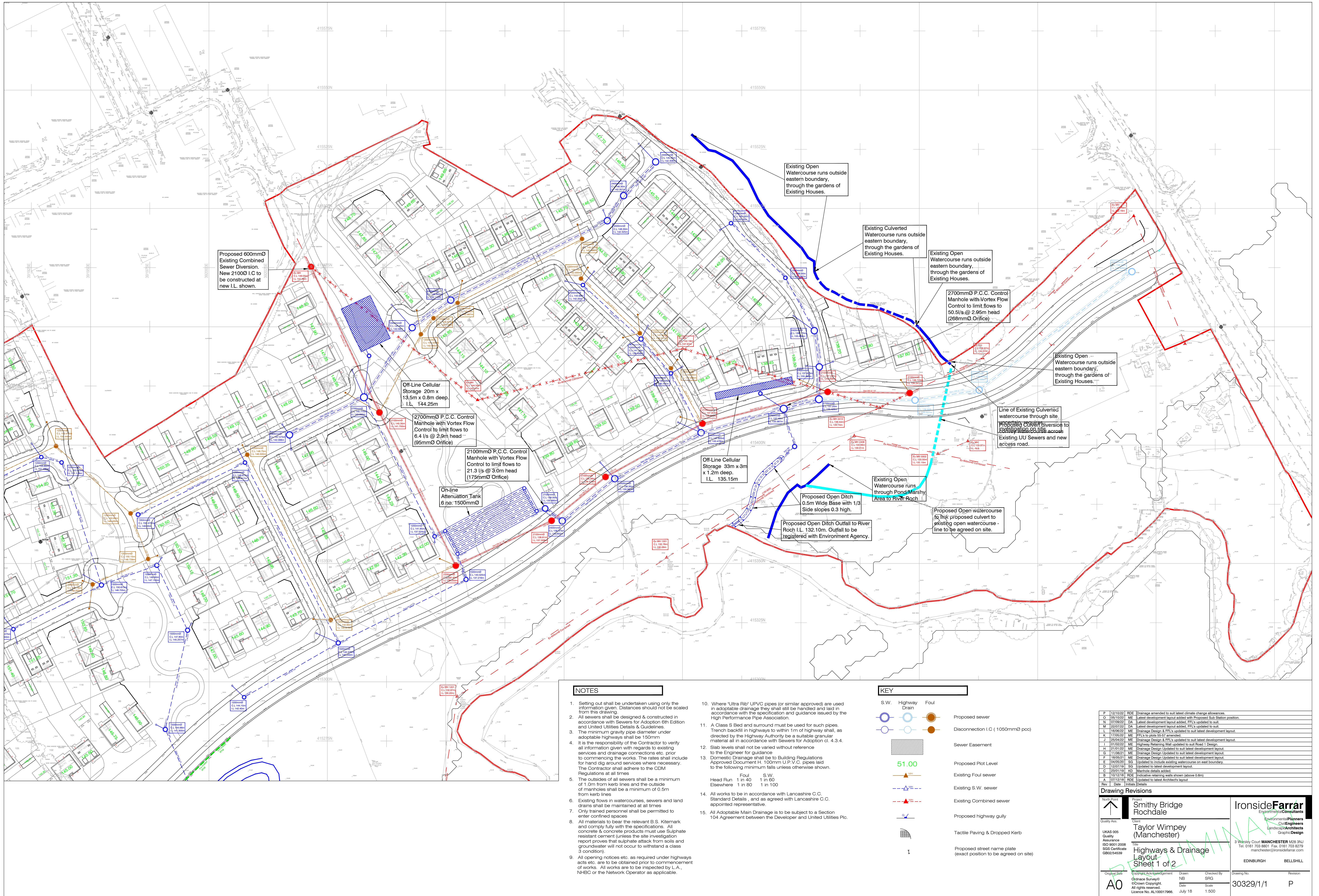




NOTES

- Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing.
- All sewers shall be designed & constructed in accordance with Sewers for Adoption 6th Edition and United Utilities Details & Guidelines.
- The minimum gravity pipe diameter under adoptable highways shall be 150mm.
- It is the responsibility of the Contractor to verify all information given with regards to existing services and drainage connections etc. prior to commencing the works. The rates shall include for hand dig around services where necessary. The Contractor shall adhere to the CDM Regulations at all times.
- The outfalls of all sewers shall be a minimum of 1.0m from kerb lines and the outside of manholes shall be a minimum of 0.5m from kerb lines.
- Existing flows in watercourses, sewers and land drains shall be maintained at all times.
- Only trained personnel shall be permitted to enter confined spaces.
- All materials to bear the relevant B.S. Kitemark and comply fully with the specifications. All concrete & concrete products must use Sulphate resistant cement (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur to withstand a class 3 condition).
- All opening notices etc. as required under highways acts etc. are to be obtained prior to commencement of works. All works are to be inspected by L.A., NHBC or the Network Operator as applicable.
- Where 'Ultra Rib' UPVC pipes (or similar approved) are used in adoptable drainage they shall still be handled and laid in accordance with the specification and guidance issued by the High Performance Pipe Association.
- A Class S Bed and surround must be used for such pipes. Trench backfill in highways to within 1m of highway shall, as directed by the Highway Authority be a suitable granular material all in accordance with Sewers for Adoption cl. 4.3.4.
- Slab levels shall not be varied without reference to the Engineer for guidance.
- Domestic Drainage shall be to Building Regulations Approved Document H. 100mm U.P.V.C. pipes laid to the following minimum falls unless otherwise shown.

	Foul	S.W.
Head Run	1 in 40	1 in 60
Elsewhere	1 in 80	1 in 100
- All works to be in accordance with Lancashire C.C. Standard Details, and as agreed with Lancashire C.C. appointed representative.
- All Adoptable Main Drainage is to be subject to a Section 104 Agreement between the Developer and United Utilities Plc.

KEY

- | | |
|--|--|
| | S.W. |
| | Highway Drain |
| | Foul |
| | Proposed sewer |
| | Disconnection I.C. (1050mmØ pcc) |
| | Sewer Easement |
| | Proposed Plot Level |
| | Existing Foul sewer |
| | Existing S.W. sewer |
| | Existing Combined sewer |
| | Proposed highway gully |
| | Tactile Paving & Dropped Kerb |
| | Proposed street name plate (exact position to be agreed on site) |

P	12/10/22	RDE	Drainage amended to suit latest climate change allowances.
O	05/10/22	ME	Latest development layout added with Proposed Sub Station position.
N	07/06/22	DA	Latest development layout added, PFLs updated to suit.
M	22/07/22	DA	Latest development layout added, PFLs updated to suit.
L	15/06/22	ME	Drainage Design & PFLs updated to suit latest development layout.
J	17/05/22	ME	PFLs to show 30.5 amended.
J	25/04/22	ME	Drainage Design & PFLs updated to suit latest development layout.
L	01/02/22	ME	Highway Retaining Wall updated to suit Road 1 Design.
M	01/01/22	ME	Drainage Design Updated to suit latest development layout.
G	11/06/21	ME	Drainage Design Updated to suit latest development layout.
F	18/05/21	ME	Drainage Design Updated to suit latest development layout.
E	04/05/20	SG	Updated to include existing watercourse on east boundary.
D	02/01/19	SG	Updated to latest development layout.
C	25/01/18	RD	Manhole details added.
B	10/12/18	RDE	Indicative retaining walls shown (above 0.6m).
A	07/12/18	RDE	Updated to latest Architect's layout.
Rev	Date	Initials	Details

Drawing Revisions

North Arrow	Project	Client	Drawn	Checked By	Drawing No.	Revision
↑	Smithy Bridge Rochdale	Taylor Wimpey (Manchester)	SRG	NBE	30329/1/1	P
Quality Ass.	Client	Highways & Drainage Layout Sheet 1 of 2	Drawn	Checked By		
UKAS 005 Quality Assurance ISO 9001:2008 SGS Certificate GB50545399			SRG	NBE		
Original Set	Copyright Acknowledgement	Drawn	Checked By	Date	Scale	
A0	© Crown Copyright. All rights reserved. Licence No. AL10017966.	SRG	NBE	July 18	1:500	

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