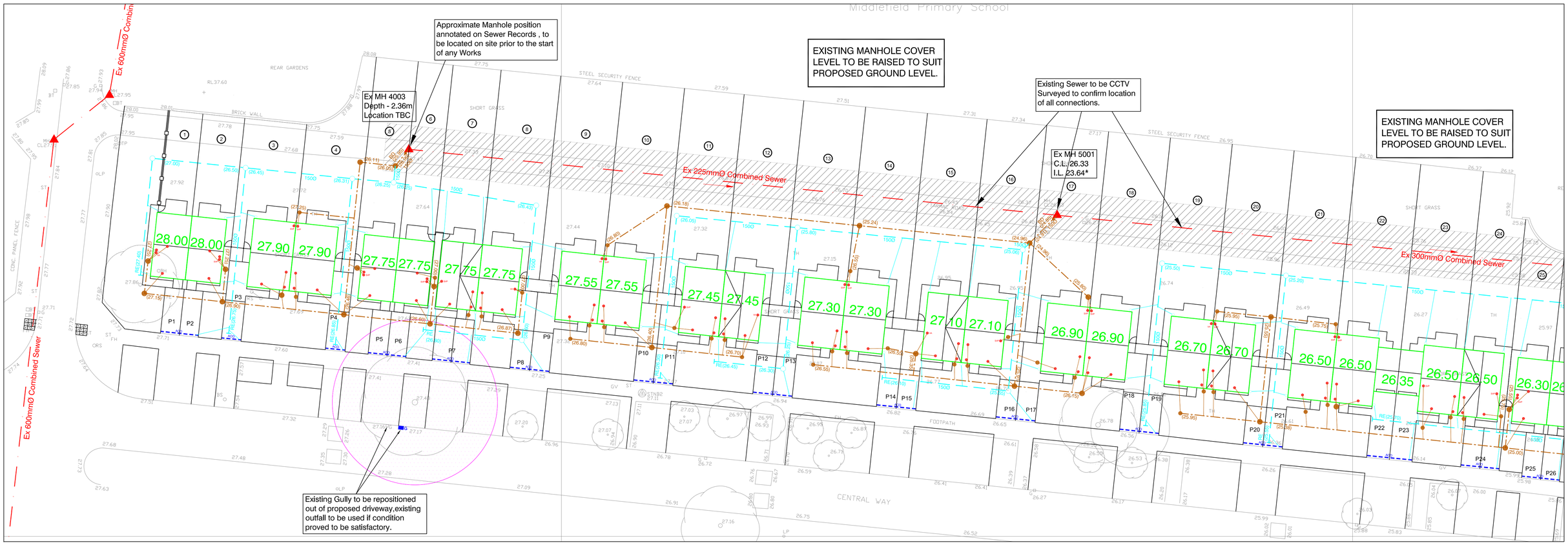

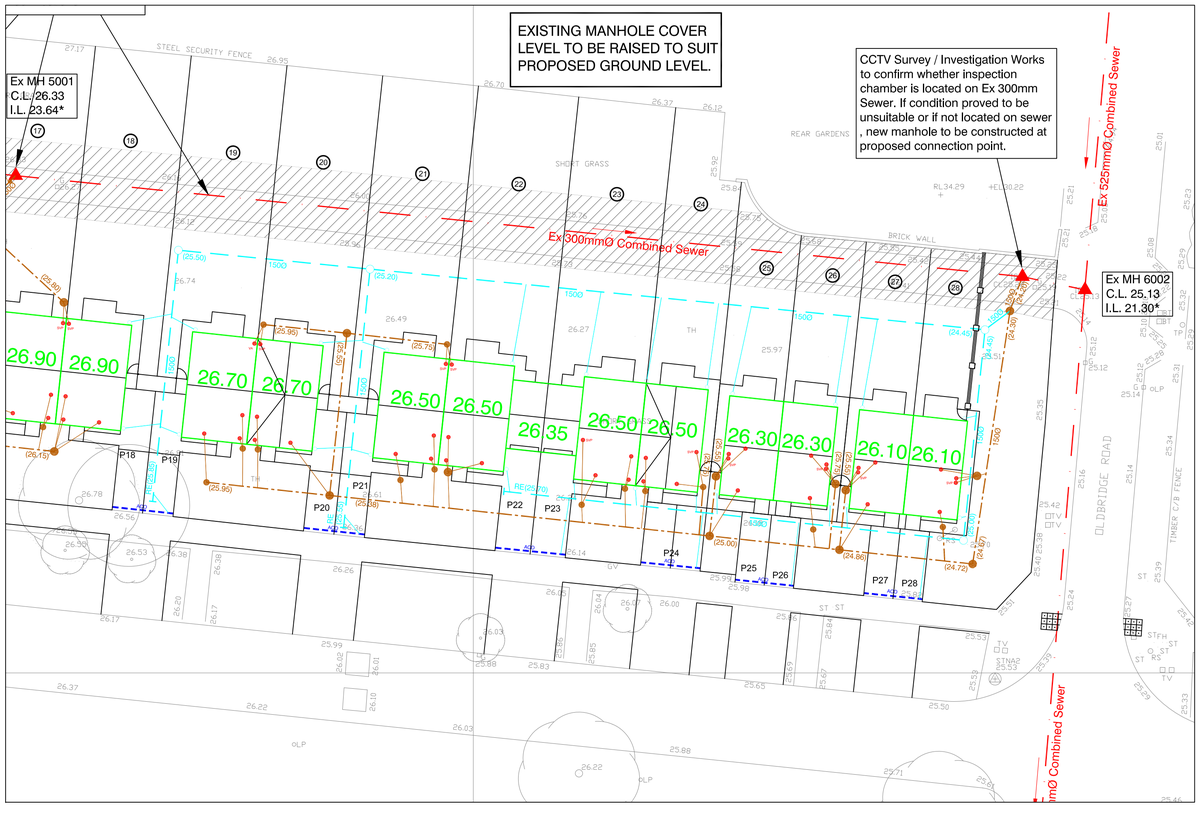

NOTES

1. Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing.
2. All sewers shall be constructed in accordance with Sewers for Adoption 6th Edition and United Utilities Details & Guidelines.
3. The minimum gravity pipe diameter under adoptable highways shall be 150mm
4. 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
5. The outsides 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
6. Existing flows in watercourses, sewers and land drains shall be maintained at all times
7. Only trained personnel shall be permitted to enter confined spaces
8. 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).
9. 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.
10. 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.
11. 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.
12. Slab levels shall not be varied without reference to the Engineer for guidance
13. 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

KEY

S.W. Foul

- Proposed Drain
- FFL 24.50 — Proposed Plot Level
- Existing Combined I.C.
- Existing S.W. I.C.
- +3.70 — Proposed level
- +23.35 — Existing Level
- Proposed Re-position of Ex Highway Gully

Extent of Root Protection Zone to Existing Tree. Refer to Drawing No. D3890.001 by TEP for details of works to protect existing trees.

Proposed Tactile Paving & Dropped Kerb (See Detail on Dwg 30004/7)

S.W. Foul

- Min Internal Dims 450mm dia or 450mm x 450mm UPVC I.C. Max depth 3m cover to soffit. Access max opening restricted to 350mmØ or 350mm x 350mm for depths greater than 1.2m. In accordance with Building Regulations - Approved Document H 2002.
- Non entry - Max Access Opening 350mmØ or 350mm x 350mm Min Internal Dims 190mm dia or 225mm x 100mm UPVC I.C. Max depth 0.6m cover to soffit. In accordance with Building Regulations - Approved Document H 2002.
- RWP — Proposed Rainwater Pipe (Trapped)
- Proposed Foul Direct Connection
- SVP — Proposed Foul SVP
- VA — Proposed Foul SVP vented to air
- Easement to Existing Sewer

REVISIONS

REV.	DATE	INT.	DETAILS
A	220813	ME	Drawing updated to Latest Arch Layout and Clients comments.
B	070514	ME	Drawing updated to Liverpool C.C. comments.
C	110614	ME	Drawing updated to discussion with Mersey Travel , Proposed Bus Stop amended to suit.

North Point

Quality Ass.

Project: Central Way Speke

Client: Countryside Properties (UK) Limited

Title: Drainage Layout Central Way

Original Size: A1

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Drawn: ME | Checked By: SP

Date: July 13 | Scale: 1:250

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Drawing No.: 30004/1 | Revision: C