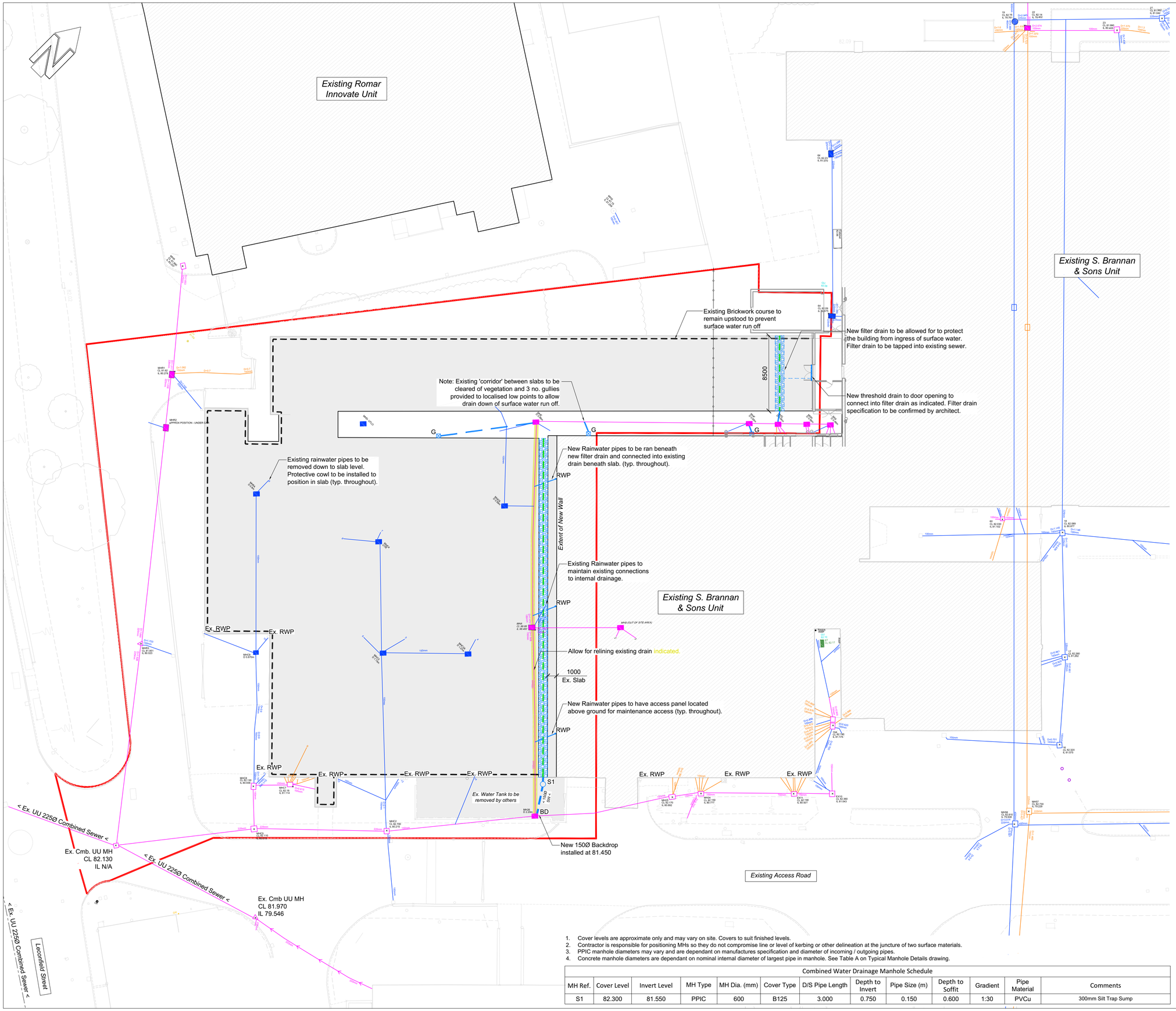


1. Cover levels are approximate only and may vary on site. Covers to suit finished levels.
2. Contractor is responsible for positioning MHs so they do not compromise line or level of kerbing or other delineation at the juncture of two surface materials.
3. PPIC manhole diameters may vary and are dependant on manufactures specification and diameter of incoming / outgoing pipes.
4. Concrete manhole diameters are dependant on nominal internal diameter of largest pipe in manhole. See Table A on Typical Manhole Details drawing.

Combined Water Drainage Manhole Schedule

| MH Ref. | Cover Level | Invert Level | MH Type | MH Dia. (mm) | Cover Type | D/S Pipe Length | Depth to Invert | Pipe Size (m) | Depth to Soffit | Gradient | Pipe Material | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S1 | 82.300 | 81.550 | PPIC | 600 | B125 | 3.000 | 0.750 | 0.150 | 0.600 | 1:30 | PVCu | 300mm Silt Trap Sump |

**- D O N O T S C A L E -**

## Notes

1. All works to be carried out in accordance with:
   - 1.1 Design and Construction Guidance (DCG) and Sewerage Sector Guidance (SSG) for all sewers proposed to be offered for adoption. (note - the SSG replaces Sewers for Adoption (SfA) for all new developments)
   - 1.2 BS EN 752 - 'Drain and Sewer Systems Outside Buildings'
   - 1.3 Current applicable Building Regulations
   - 1.4 BGP Specifications
   - 1.5 Manufacturer installation guidance and requirements
2. All levels shown are in metres and are relative to ordnance datum (m AOD).
3. Connection to United Utilities sewers are only to be carried out under an S106 agreement by UU approved term contractors unless agreed otherwise between both parties. (organised by main contractor)
4. Invert levels of all existing chambers and connection points are to be confirmed and engineer advised prior to commencement of any Drainage Works.
5. Where proposed sewers connect into existing sewers, the existing sewers must to be checked for line, level and condition preferably by a CCTV survey
6. Concrete bed and surround is required to all gully leads and to all pipes in highways/hardstanding where cover to pipe <1200mm
7. All pipes to be either extra strength V.C. to BS 65 or PVC certified to WIS 4-35-01 and BS/EN13476 'UPONOR ULTRARIB' or concrete pipes Class 120 to BS/EN 1916/BS5911-1 2002.
8. All RWP and slab penetration locations are indicative and accurate positions should be taken from the Architects drawings. All slab penetrations to be roddable above ground level via access pipe
9. Existing sewer positions are indicative and are not to be used in conjunction with design. Contractor to confirm location.
10. All existing drainage to be cleaned and jetted as part of the contract
11. All RWP connections to be 100Ø and Surface water sewers to be 150Ø unless noted otherwise.
12. All FW drains between manholes to be 150Ø UNO unless noted otherwise.
13. All drainage beneath building / slab to be 150mm concrete surround.
14. Contractor is responsible for positioning MHs so they do not compromise line or level of kerbing or other delineation at the juncture of two surface materials.
15. Cover levels shown are indicative and may vary on site. The contractor should adjust levels to suit site conditions.
16. All internal manholes to be Type PPIC with double seal covers u.n.o.
17. Other services are not shown on this drawing, however their presence must be anticipated. The contractor is to confirm prior to commencing any works, the location and depth of all services that may affect the works the manufacturers requirements and recommendations.

## Legend

| | |
|---|---|
| Proposed SW Drain | |
| Proposed FW Sewer | |
| Prop. Filter Drain | |
| Ex. SW Drain to remain | |
| Ex. FW Sewer to remain | |
| Ex. Cmb. Sewer to remain | |
| Site Boundary | |
| Silt Trap | ST |
| Rainwater Pipe | RWP |
| Area of Exposed Concrete Floor Slab | |
| Yard Gully | G |

Note
Contractor to allow for repairing all drainage damaged as part of the construction works.

Note
Contractor to allow for clearing all blockages found during the CCTV Drain Survey. Contractor to allow for relining where drains found to be damaged during the CCTV Drain Survey.

**NOT FOR CONSTRUCTION**

| AMENDMENT | BY | REV | CHK | DATE |
|---|---|---|---|---|
| Issued for Stage 4 | GL | P04 | JJH | 09.04.2025 |
| Issued for Stage 4 | GL | P03 | JJH | 23.03.2025 |
| Issued for Stage 4 | GL | P02 | JJH | 13.03.2025 |
| Issued for Stage 4 | GL | P01 | JJH | 10.03.2025 |

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**Client** Cumberland Council
**Project** CMIQ Phase 2 LUF - Unit 1
**BGP Project No.** 21T2034
**Drawing Title** Proposed Drainage Plan

| Drawn | Date | Checked | Date | Size | Scale | Rev. |
|---|---|---|---|---|---|---|
| GL | Mar '25 | JJH | Mar '25 | A1 | 1:200 | P04 |

| Location | Originator | Volume | Level | Form | Role | Unique No. |
|---|---|---|---|---|---|---|
| LUF | BGP | 01 | XX | D | C | 01130 |

**File Reference**
LUF-BGP-01-XX-D-C-01130

In instances where this drawing completes or partly completes a contract, Billinghurst George & Partners will consider that it's product has been validated, unless in a period not exceeding 90 working days, the client advises to the contrary.