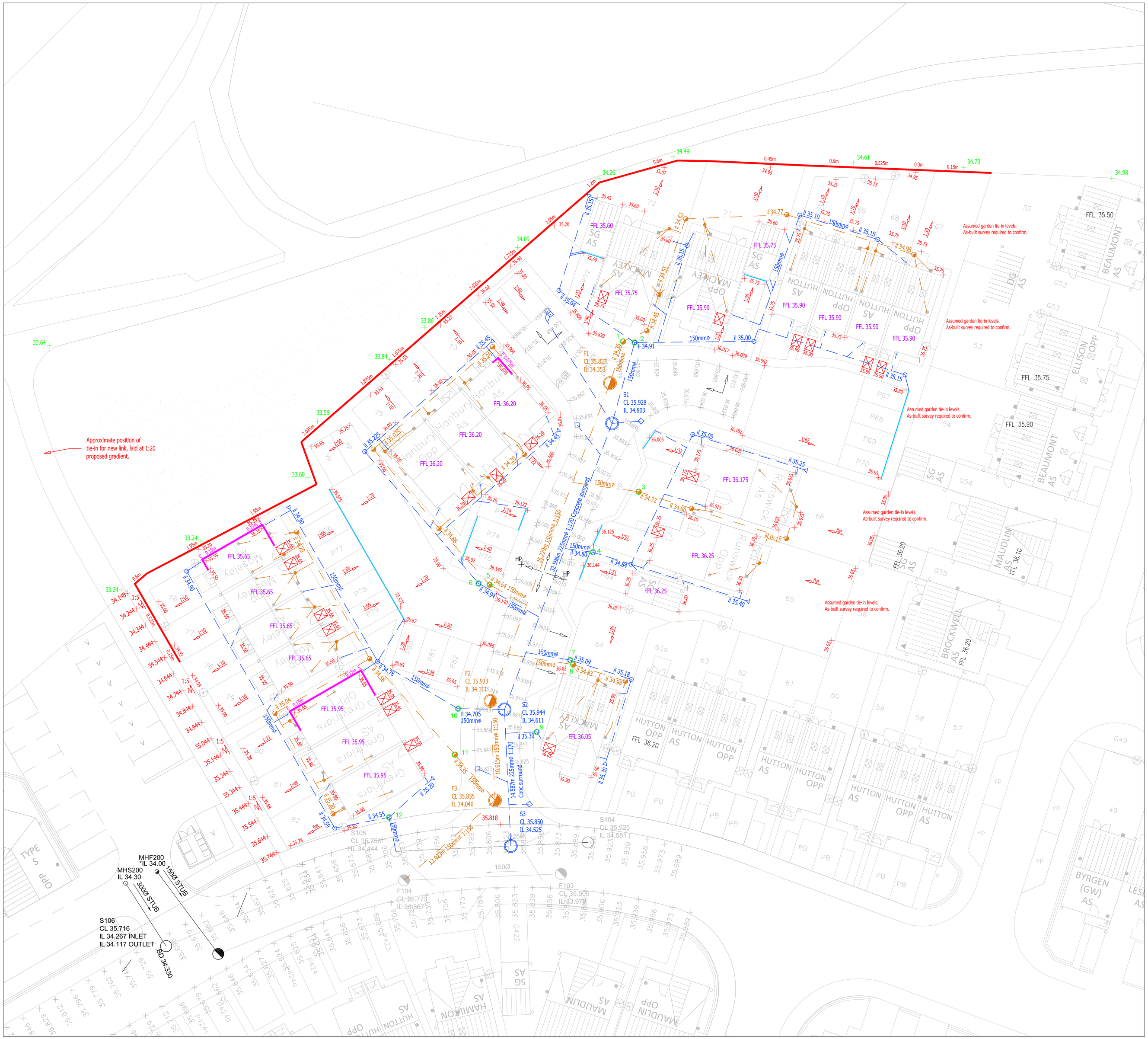

Layout Key

- 25.177 - Existing level
- 24.33 - Proposed finished level
- 35.977 - Proposed road channel level
- 0.15m - Proposed retaining wall with retained height
- E E - Exposed brickwork
- 1:24 - Proposed gradient and fall direction
- Proposed road camber
- Proposed road longitudinal fall direction or road crossfall
- 1200 x 900mm Level access

'First off' setting out

	EASTINGS	NORTHINGS
1	853,229	1409,775
2	854,457	1409,662
3	854,886	1393,746
4	850,014	1387,296
5	838,987	1383,822
6	837,810	1383,958
7	847,577	1375,790
8	847,900	1375,311
9	844,008	1368,134
10	835,617	1370,605
11	835,283	1365,701
12	828,253	1359,022

Highways

1. All excavations below adopted highways to be backfilled with Type 1 and compacted in layers not exceeding 150mm.
2. Highway Authority to be contacted as soon as Contractor is on site to enable early discussions with the Clerk of Works.

General Drainage

3. Manhole/inspectionchamber covers in trafficked areas to be loading type D400 and B125 in non-trafficked areas.
4. All gullies to be trapped as shown on the details drawings.

Adopted Drainage

5. Position and levels of existing manholes and sewers are to be checked on site as soon as possible and preferably before site activities commence.
6. The sewer connection is to be carried out by an NWL Approved Contractor.
7. This drawing is to be read in conjunction with the drainage details drawings.
8. For proposed adopted drainage pipes with less than 900mm cover in areas not subjected to vehicular loading and less than 1200mm in vehicular loading areas to be concrete protected.
9. Adopted drainage is to comply with 'Sewers for Adoption 6th Edition'.
10. Pipe surround to be granular type 's' unless noted otherwise.

Private Drainage

11. Private drainage is to comply with all statutory requirements and accord with BS EN 752 and Building Regulations Approved Document H.
12. Pipe bedding should granular unless noted otherwise and the granular material to be to BS882:Pt 2 and to Building Regulations Part H.
13. Pipe sizes to be 100mm u.n.o..
14. For drainage pipes to be cast in concrete to have rocker pipes either side of concrete.

Layout Key

- FFL 22.65 - Proposed Finished Floor Level

Surface Water Drainage

- Road gully and 150mm gully lead (connection of lead to carrier pipe to be at 45° in the direction of surface water flow, where possible).
- Private gully and gully lead
- Proposed fall direction
- Rodding eye
- Inspection chamber, 475mmØ
- Manhole - Concrete Ring (see manhole schedule for further detail).
- Private PVC-U 100mm (unless noted otherwise) drainage pipe.
- Adopted solid wall PVC-U (BS EN 1401)
- Drainage channel with sump/gully. For light vehicle loading with heelguard.

Foul Drainage

- Shallow inspection chamber, 600mm to invert level, 300mmØ.
- Inspection chamber, 475mmØ
- Manhole - Concrete Ring (see manhole schedule for further detail).
- Private PVC-U 100mm (unless noted otherwise) drainage pipe.
- Adopted solid wall PVC-U (BS EN 1401)

Issue	Date	Description	By	Chkd	Appd
P1	08/08/16	Initial Issue	PL	RH	RH

COAST CONSULTING ENGINEERS

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Client: Persimmon Homes NE

Job Title: V A Tech Phase 1B Hebburn

Drawing Title: Proposed Engineering Layout

Scale at A1: 1:200

Discipline:

Drawing Status: **Preliminary**

Job No	Drawing No	Issue
1642	101	P1

Do not scale