

DO NOT SCALE

Legend

Site Boundary

Existing

### Existing Combined Sewer

Existing Highway Drain (TBC)

Highway Gully

Proposed

### Private Surface Water Drain

- Private Foul Drain

SVP

**BIG**

RWP

Rodding Eye

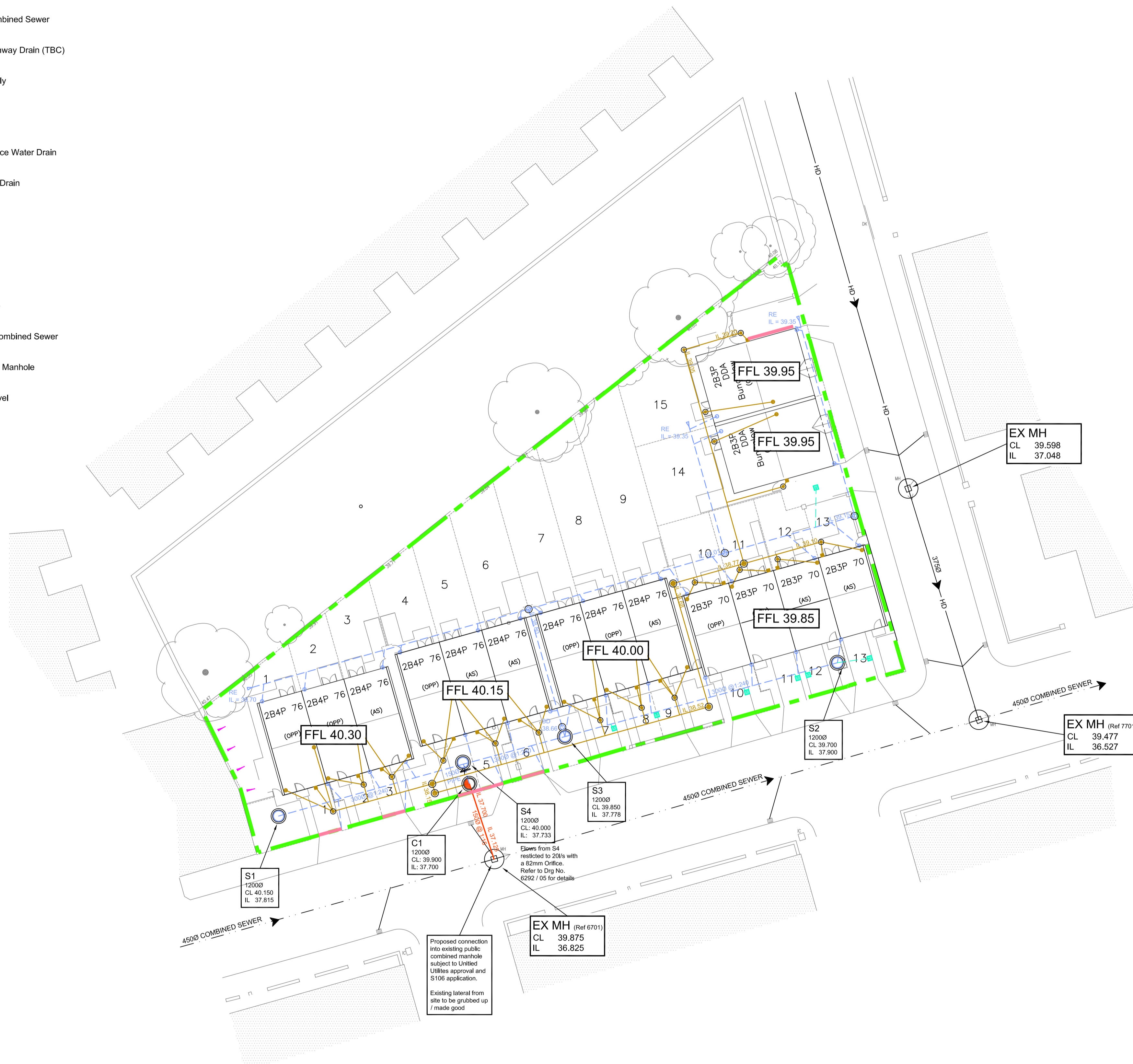
- **Adoptable Combined Sewer**

Flow Control Manhole

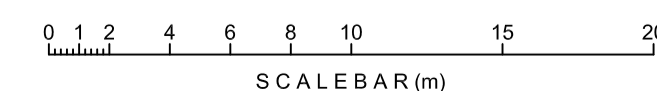
Plot Slab Level

ACO

### Private Gully



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## Notes

1. All SVP and RWP connections are indicative and shall be confirmed by architect / client.
2. Pipe gradients out of the building to connecting manhole to be laid at 1:40 in accordance with Building Regulations, Part H, Table 6.
3. Where pipe sizes are not indicated 100Ø to be used for surface and foul unless stated otherwise.
4. Minimum surface water gradients shall be:  
100Ø laid at 1:100  
150Ø laid at 1:150
5. Minimum 100Ø foul drainage gradient to be 1:80 with the exception of the first connection which shall be maximum 1:40.
6. Manhole covers to be marked FWS or SW as appropriate.
7. All manhole covers and frames shall comply with BS EN124. Covers in roads to be grade D400 and be 150mm deep. Manhole covers in car parking areas and drives to be grade B125 and covers in landscaping are to be grade A15. All to be sized in accordance with Building Regulations Part H, Tables 11 & 12.
8. Precast concrete rings to be reinforced.
9. Backdrops in private manholes / inspection chambers to be internal
10. Private drains laid under adopted / private roads to be Class S granular bed and surround with a minimum of 1.2m cover, where this cannot be achieved a Class Z concrete bed and surround shall be provided.
11. Private drains located under landscape areas or driveways / car parking bays to be Class F granular bed and surround with a minimum 0.6m cover, where this cannot be achieved a Class Z concrete bed and surround shall be provided.
12. 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
13. 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.
14. Slab levels shall not be varied without reference to the Engineer for guidance
15. Existing flows in watercourses, sewers and land drains shall be maintained at all times
16. Only trained personnel shall be permitted to enter confined spaces

Coopers Drawing List:

6292/01	Proposed Drainage Layout
6292/02	Proposed Highway Layout
6292/03	Highway Construction Details
6292/04	Drainage Details
6292/05	Flow Control Manhole Details
6292/06	External Works Plan

TENDER



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Project	Bedford Road, Liverpool.
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Title	Drainage Layout
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DRAWING NUMBER  <div style="font-size: 2em; text-align: center;">6292 / 01</div>	SCALE at A1      1:250		
	DATE	Aug 2015	REVISION
	DRAWN	PJN	-
	CHECKED	PH	