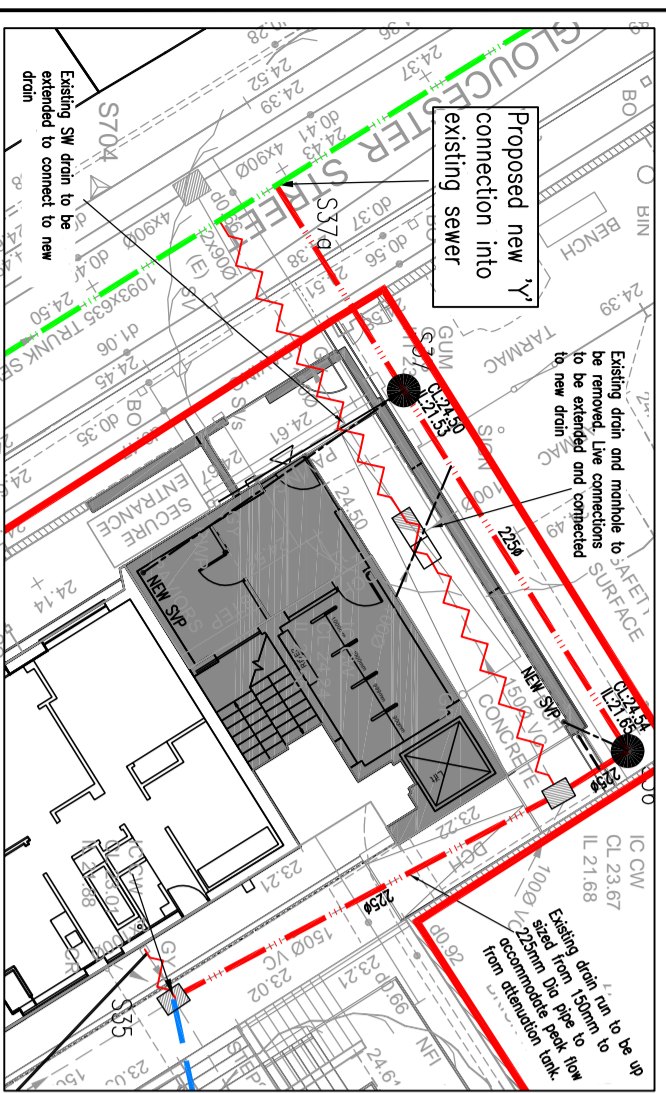
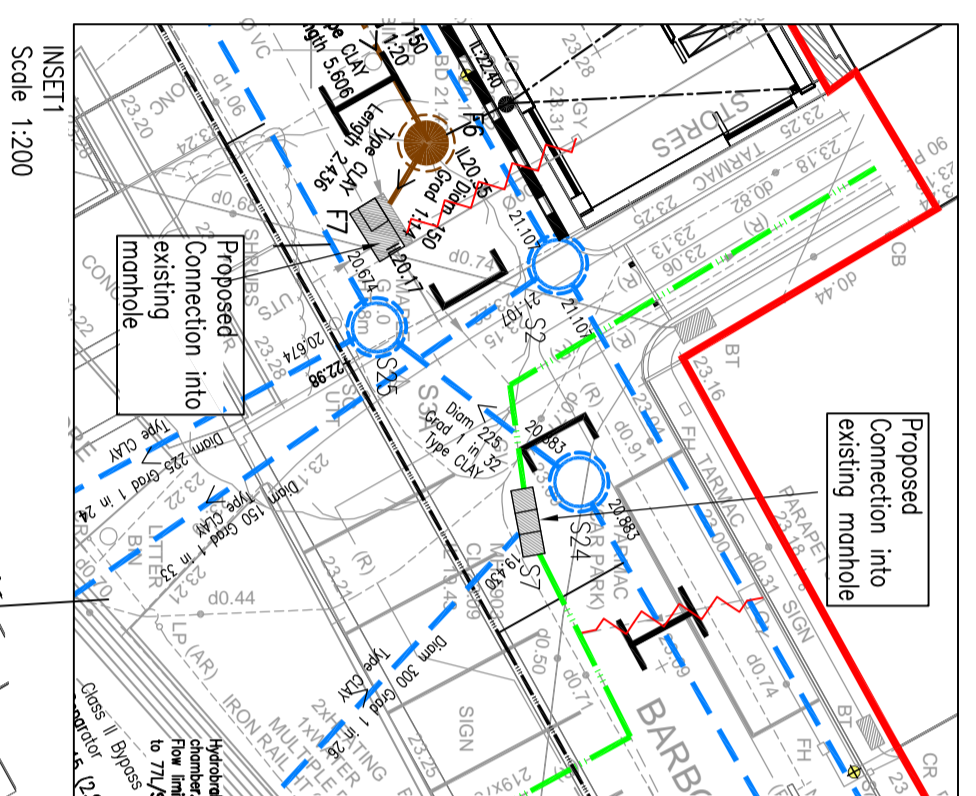
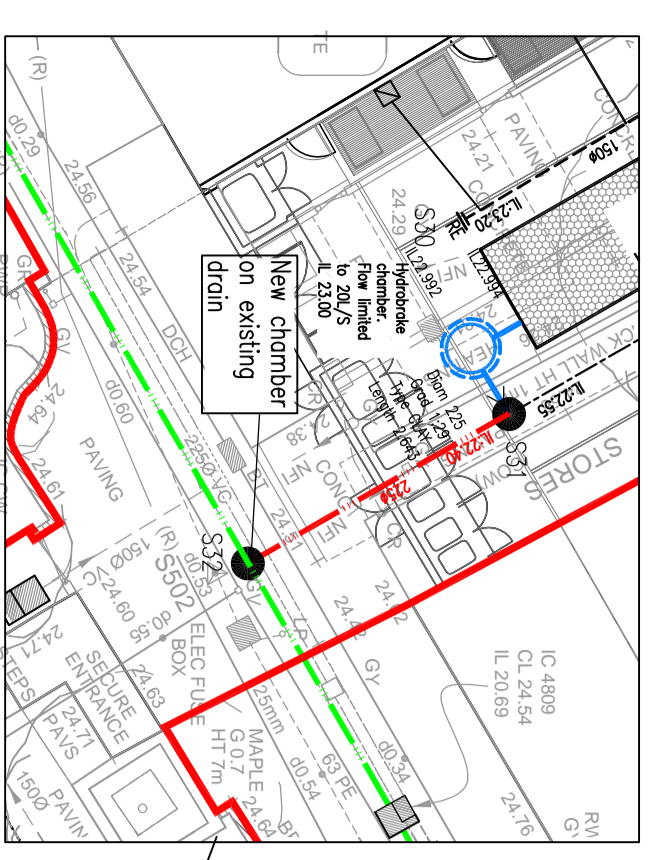


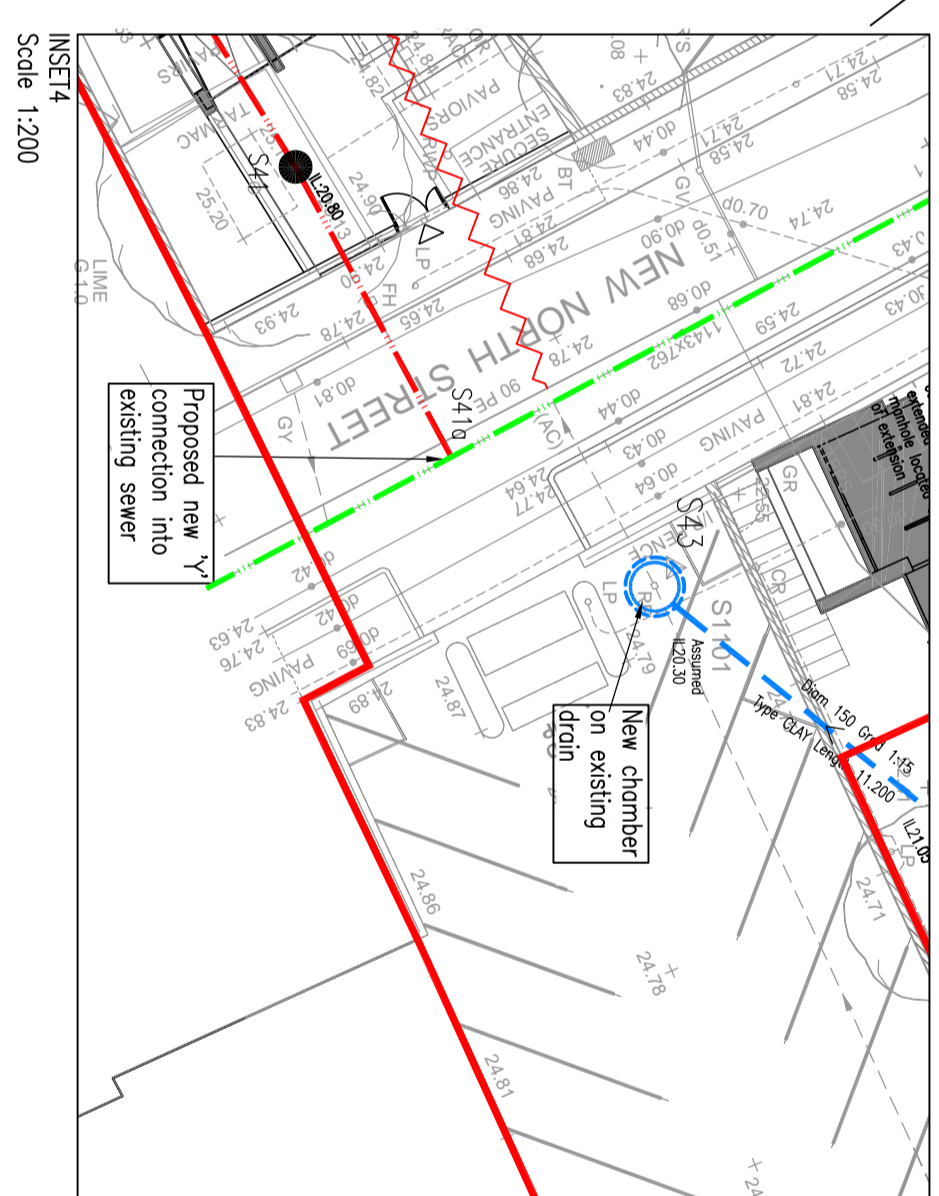
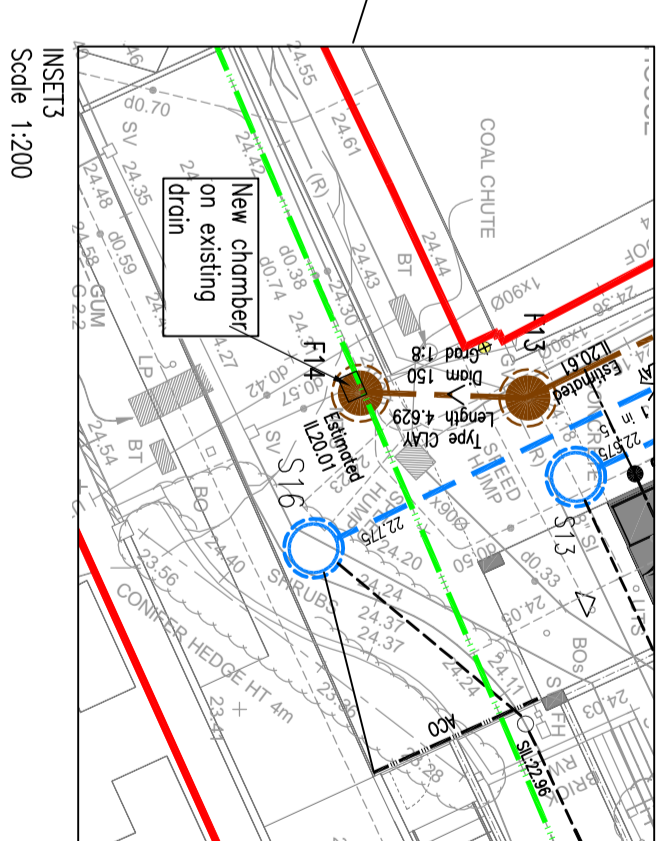
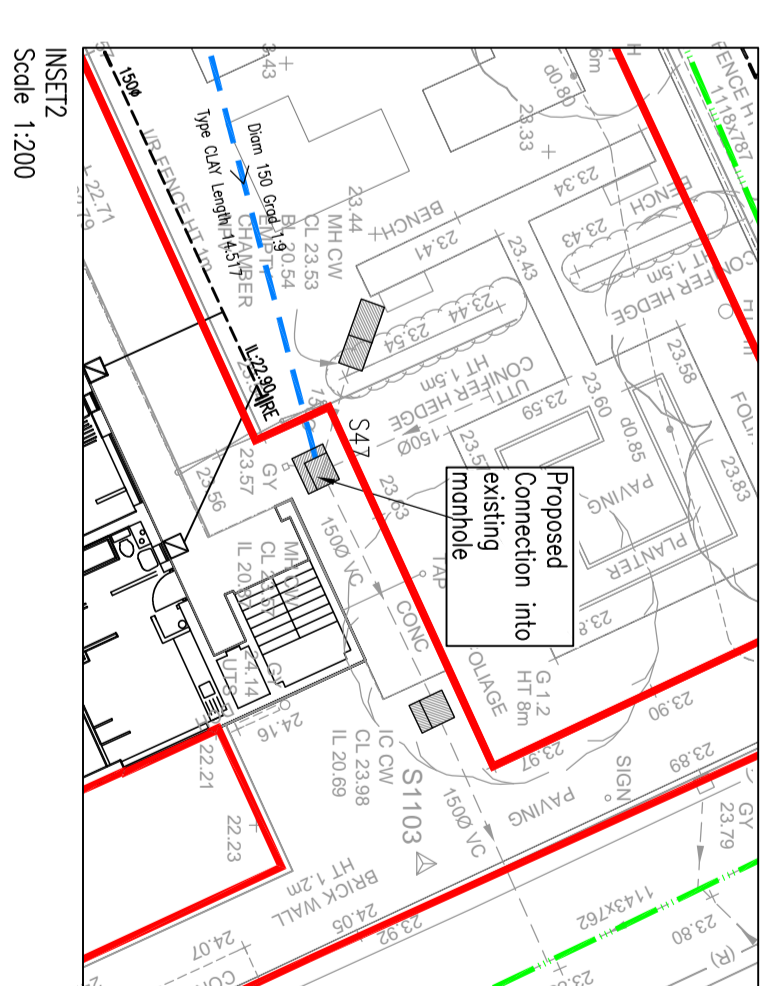
**GENERAL KEY:**

- TYBALD'S ESTATE AREA
- EXISTING PUBLIC COMBINED SEWER
- STORM WATER SEWER, MANHOLE & PIPE DETAILS (To be Offered for Adoption)
- FOULED WATER SEWER, MANHOLE & PIPE DETAILS (To be Offered for Adoption)
- COMBINED DRAIN (To be Offered for Adoption)
- PROPOSED CONTOURS
- PRIVATE STORM DRAIN AND CHAMBER
- PRIVATE FOUL DRAIN AND CHAMBER
- ADD DRAINAGE CHANNEL
- STORM WATER ATTENUATION TANK, AQUACELL OR SIMILAR APPROVED
- EXISTING DRAINAGE INFRASTRUCTURE TO BE REMOVED (SUBJECT TO CONFIRMATION THAT EXISTING CONNECTIONS ARE NOT COMPROMISED)



**NOTES**

1. All commencement of works on site the contractor is to carry out trial pits and tests with the assistance of the Highway Authority to ensure that the proposed works do not interfere with the stability of the existing sewerage system.
2. All manhole covers/valves/inspections covers in existing carriageway/verges to be replaced where necessary to suit design needs.
3. Where the works involve the destruction of a footway the Contractor shall provide an alternative safe footway properly signed, guarded and lit.
4. All highway works to be carried out to the satisfaction of the Highway Authority Inspector and in accordance with the Specification for Highway Works.
5. All excavation and bedding work in the existing highway to be in accordance with the provisions of the New Street Works Act 1991 or that specified within the working drawings.
6. The Contractor is to comply fully with the CDM Regulations in the course of constructing the works.
7. Any highway or drainage works constructed prior to issue of Technical Approval is entirely at the risk of the Contractor/Client.
8. The Contractor shall ascertain the CDR of the subgrade in order to determine the required sub-base / coping thickness.
9. Prior to laying any surfacing the subgrade must be inspected and any soft spots removed and filled with 8/2 crushing material.
10. Prior to construction of any drainage works, the Contractor is to confirm the exact levels of the existing drainage system and any proposed drainage works to be constructed in accordance with the design and report to the Engineer in advance of construction works commencing.
11. The Contractor shall also employ best practice and lay all drainage upstream from the outlet. The Contractor shall ensure that the design shall be reported to the Engineer prior to progressing the drainage works.
12. Prior to core drilling internal structural concrete for the proposed drainage pipework the external concrete shall be inspected and any defects repaired. The Contractor shall ensure that the works are carried out in accordance with the relevant standards and specifications.
13. All applicable foul sewer drainage works to be constructed as detailed in 'Sewers for Adoption - 6th Edition' or as stipulated in Thames Water's Adoption and to the satisfaction of the Thames Water's Inspector.
14. All applicable drainage pipes shall have 300 Class 5 granular bed and surround, however, any unconfined earth, shall be Class 2 surrounded with 150mm of S14 concrete with flexible joints.
15. All other and sewer pipes to be laid soft to soft, unless shown otherwise.
16. Contractor to refer to Health & Safety Executive Note 47 - Avoiding Danger from Underground Services and Document G58 - Avoiding Danger from Overhead Electric Lines.
17. Where one way traffic is unavoidable, traffic shall be controlled by a proper system of vehicle excluded traffic signs or manual Stop/Go signs and during the hours of darkness by a proper system of vehicle-excluded traffic signs or to the approval of the Highway Authority.
18. Traffic signs and temporary markings shall comply with the Traffic Signs Regulations and General Directions 2002. Any plates removed as part of the works to be mounted on new poles where appropriate.
19. Where existing junctions and crossings remain in operation while the works during the construction process, the Contractor shall ensure that access to these areas remains available at all times.
20. Highway 3: the stability of the works must be held free from mud, debris and dust falling from vehicles or the wheels of vehicles connected with the works.
21. Where the deposits of debris and mud are unavoidable warning signs must be exhibited whilst work is in progress and directed carriageway / footways must be regularly swept.
22. Do not scale from the drawing, work only from stated dimensions or setting out details.
23. The Contractor shall be responsible for the traffic safety and management associated with the construction of the works. The Contractor shall not commence any works on the existing highway until the traffic management proposals have been agreed with the Highway Authority.
24. Works on or adjacent to existing public highway shall be executed in accordance with the Traffic Safety Code for Roadworks's two chapters 8 of the Traffic Signs Manual.
25. All levels are in metres above Ordnance Datum.
26. Gullies, gully connections, drains, manholes, catchpits, soakpits, headwalls and other drainage structures intended to convey only highway water are to be constructed in accordance with the specifications of the Highway Authority and to the satisfaction of the Highway Inspector.
27. All foul and storm water drains which are not subject to adoption on public sewers under a Section 104 Agreement must be constructed in accordance with the latest Building Regulations, BS5301, and, where appropriate, the relevant operational certificates.
28. All private lateral connections to public sewers shall be 150mm unless shown otherwise.
29. Private drainage pipework to be 100mm unless shown otherwise on Engineering Layout Plans.
30. 100mm profile foul water & storm water drainage shall be laid no flatter than 1/80. 150mm shall be laid no flatter than 1/50.
31. Where grass service strips are present a requirement is to be placed on the owner/occupier to the underlying services. Vehicle crossings and personal drives to be constructed to adequate standards.
32. There is to be no demolition of service strips for the grassed area.
33. 65mm minimum thickness tarmac paving, coloured buff, shall be incorporated at all pedestrian crossings on the Use of Tarmac Paving Scheme (CEN 104:1993).
34. The contractor shall ensure that appropriate measures are taken to prevent sediment and debris from entering the permanent drainage system.
35. Regular inspections shall be undertaken by the contractor, to ensure that the permanent drainage system, the contractor shall be responsible for removal of the sediment or debris and replacement/spill of any components which have been damaged or replaced or reduction in operational performance as a consequence.
36. The contractor shall ensure that adequate measures are taken so as to prevent damage of any kind to the formation. The integrity of the formation shall be maintained by the contractor.
- 37.



**mnp**  
mason navarro pledge

A   PW   03.11.15   Planning Status Changed	
<b>ISSUED FOR CONSTRUCTION</b>	
Section 106 Drainage Connections Layout	
<b>ISSUED FOR CONSTRUCTION</b>	
Client	Durham
Job Title	Tybald's Estate, Great Ormond Road, Hoborn, London
Drawn By	PW
Checked By	PW
Drawn By	NP
Checked By	PW
Date	October 2015
Scale	1:500 @ A1
Draw No.	4766/08
Rev.	A