

- 8. All pipework within manholes are to be laid soffit to soffit (U.N.O). All chamber invert levels are for the outgoing pipe levels. Backdrop pipework shall be connected at soffit to soffit with the rodding access level specified.
- 9. Any gradients of drains indicated are indicative only and the Contractor shall install the drains to the specified levels shown for each manhole (U.N.O). Catchpit invert levels are for the outgoing pipe with the sump level specified separately.
- 10. Co-ordinate setting out information for manholes is to the intersection the drains and not the centre of the manhole. 11. Cover levels of the manholes are provisional and subject to adjustment on site to suit the finished ground levels. All external works construction areas to be as
- located by the architect. 12. Manhole covers and frames are to be in accordance with the relevant British/European Standard and the following: a) Vehicular Areas: Class E600, double triangular, 150mm deep ductile iron cover and frame with three point cover seating, badged FW or SW for Foul or Surface
- b) Pedestrian Areas: Class B125, 100mm deep, badged FW or SW for Foul or Surface Water drainage. 13. Double seal manhole covers and frames are to be used on internal foul water drainage chambers. Finish to be confirmed by the Architect.
- 14. Heavy duty cover slabs are to be used within vehicular trafficked areas. 15. Gully gratings and steel channel covers are to be in accordance with the relevant British/European Standard as follows:
- a) Areas subject to vehicular overrun: Class D400 minimum.
- b) Areas not subject to regular vehicle overrun (adjacent to kerbs etc): Class C250.

Separator to have full concrete surround to manufacturer's recommendations.

c) Gully grates adjacent to kerbs shall be hinged on the side of the traffic direction (left hand side). 16. Positions and sizes of above ground foul and surface water drainage connections are to be confirmed prior to construction with the Architect and M&E Engineer.

17. All oil/petrol separators to have oil alarm system in accordance with Client's requirements and vents in accordance with manufacturer's details/recommendations.

- into the drainage trench. 27. Upon completion of the works the Contractor shall clean all drainage by jetting, removing all debris from site. no debris shall be permitted to enter the existing
- 28. All works are assumed to be within public highway or within land owners lands & no works are required on third party land owners property. 29. All RWP, gully and channel connections shall be 150mm dia U.N.O. Waste/soil stack connections shall be 150mm dia. UNO and shall have internal above ground rodding eyes or large access fittings in accordance with Building Regulations.
- 30. Design assumes that no water authority sewers or other drainage systems require modification, diversion or abandoning. 31. Backfill to all drainage trenches to be Class 6F1 material. 32. All works within the public highway to be reinstated to highway authority requirements.
- 33. Unless otherwise agreed all outfalls to ponds and watercourses to be proprietary PCC Units. Headwall details to be approved by local Internal Drainage Board

34. Penstocks where indicated shall be electronically operated complete with power supply and connection (refer to service engineers drawings for cable and ducting

- 35. No deep rooting trees/vegetation should be planted within 5.0m of any drainage works. 36. All WPC's, SRWP's and RWP's are shown indicatively. Locations shall be confirmed by others.
- 37. All manholes less than 1.5m deep are considered as none man entry and shall be maintained from ground level. 38. Below ground drainage connections to be provided to all canopy downpipes - 150mm dia with concrete bed and surround UNO.

NTT LON 1B DATA CENTRE DAGENHAM

PROPOSED DRAINAGE PLAN

CONSTRUCTION SOUTH 18.04.2023

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