



1. All other drawings should be read in relation to the subject of the drawing.
2. This drawing illustrates on the drawing (e.g.) the proposed all-round concrete surround to the existing cast-in-place precast concrete wall, which will be subjected to design loads. The proposed reinforcement details are indicated by dashed lines. See Proposed schedule & levels drawings.
3. The mapping illustrated on this drawing is taken from the proposed site plan reviewed with the tender documentation, AS 90m & foul drainage designed in accordance with BS EN 752: 2008 drain and storm systems outside buildings & The Drainage W (latest version) in Government Approved Documentation H (latest version).
4. Drainage works to carried out in accordance with Civil Engineering Specification for the Water Industry 6th Edition, prepared by WRC plc 2004.
5. Manholes to be constructed from precast concrete rings (unless otherwise specified) in accordance with BS EN 12285-1: 1991 & BS EN 12285-2: 1991, or equivalent, for manhole sizes 600mm up to 1200mm with a D400 heavy duty cover for driveway/corridor and B125 for remaining surface (in accordance with BS EN 124:1994).
6. Pipes to be uPVC or BS EN 1401+1-3399 for sizes Ø100 & Ø150mm. Pipes to be HDPE to WS A +4.00 for sizes Ø225 & Ø300mm.
7. Pipes to be polypropylene (PP) or Polyethylene (PE) for similar sizes to those above.
8. All levels and dimensions are in meters unless stated otherwise.
9. For indicative location for all surveys and services please see Existing the services drawings. It shall be the contractor's responsibility to verify position and level prior to commencing construction. The contractor shall also be responsible for the protection of existing services and structures.
10. Allow concrete to Curing / Concrete drainage Piles to be 1200mm under road/pavement and 600mm under landscaping. Min cover to thermoplastic drainage Piles to be 900mm under roads/pavements and 600mm under landscaping. Where drainage piles are to be installed in areas where they are to be protected with a new mix concrete surround.
11. Changes in invert levels at a manhole (and requiring a drop manhole) shall be graded every 1m between the manhole in order avoid an abrupt change in level level.
12. Where concrete surround is specified for pipes the piles shall be placed so as to provide a minimum thickness of 150mm. The joints shall be maintained by installation of 20mm thick rigid PVC gaskets. The concrete shall be finished to the same standard approved. However the plastic membrane shall be continuous in these locations to protect rubber joining mgs from ingress of grout. The minimum thickness of the concrete surround should be 150mm or the diameter of the pipe.
13. Compressible bands to be laid between crossing pipes where cover between pipes limited.
14. All in-drainage pipes to be minimum of 100mm unless otherwise specified.
15. A trench which is at a level lower than the foundations of a building shall be founded on a firm base. The foundations of the foundations, be filled with concrete up to the level of the underside of the foundations.
16. (d) where the trench is more than 1m from the foundations, filled with concrete up to a level below the level of the underside of the foundations, equal to the distance from the foundations to the trench.
17. Existing drains to be maintained and kept in service at all times during construction. Any drains found to be blocked or having drainage schedule drawings, construction details proposed and all other relevant drawings.
18. All internal pipework extending outside the building must be connected with rock piles through the foundations trench in accordance with the proposed details.
19. To allow connection to the inlet levels of the proposed drainage network a change in pipe gradient may be required. To allow this all internal infrastructure (gullies, disinfectors, floor gulys etc., including rainwater downpipes) to be connected to a rock inlet bottle gully prior to connection to the proposed drainage system.
20. To achieve invert levels of the foul drainage network all WC internal infrastructure must be connected via bedding manhole (if required) as per construction details drawings or similar approved.
21. All back bore hole gullies for foul drainage to be capped with a concrete cover to match adjacent manholes.
22. Performance tests will be undertaken as adjacent manholes.
23. Back bore hole gullies to be constructed directly adjacent to building provided construction abutment details conform to standards.
24. All drainage channels and outfalls to be constructed in accordance with manufacturers specifications.
25. All release mechanisms to be checked by the contractor. Any release mechanism to be checked by the contractor.
26. Invert levels of catchpit chambers shown denote approximate invert levels of the lowest pipe and do not include for catchpit sump depth.

P2	13/12/2021	Amended Layout	PA
Rev	Issue Date	Description	App

Client	Errigal Contractors
Project	Blackpool Northbreck Road
Drawing	Proposed Drainage Layout
Scale	1:200 @ A1
Project Number	C-2000
Drawn	ER
Checked	JS
Approved	PA
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Drawn	ER
Checked	JS
Approved	PA