

1. All adoptable drainage works have been designed and are to be constructed in accordance with Design and Construction Guidance & Local Practices
2. BS EN 12698-1:2002 Euro Strength Clayware to BS EN 12698-1 Part 1
3. All present concrete pipework shall be to the class stated on the drawing in accordance with BS EN 1916:2002
4. All plastic pipe being offered for adoption under S10A must meet MS A-235-01 and be compliant with BS EN 15740-1 MMS PIPE LENGTH to be 3m
5. All levels related to on Ordnance Datum.
6. The grading is to be road in conjunction with all other relevant drainages.
7. House drainage connections to sewers must be 150mm g and unless otherwise stated fall to the dropout invert level shown.
8. Levels given on dry out chambers are incoming pipe levels.
9. Sewerage runs to be kept within the cuttings of the plot they serve wherever possible
10. It is recommended for ensuring that any existing invert levels indicated on drawings are correct before work commences.
11. The Contractor should satisfy himself as to the position and depth of any existing Statutory Undertakers' plant which could effect the works before the works are commenced.
12. Road gully connectors are to be 150mm g connecting either directly to manholes shown, or to sewer runs using pre-fabricated junctions.
13. All connections to adoptable sewers shall be by manufactured junction pipes. Slope corrections will not be permitted.
14. All sewers for adoption with greater than 1.20 metres cover in roads or 0.20m metres cover in fields shall show Class S granular bed and surround.
15. Any sewer for adoption with less than 1.3 metres cover in roads or 0.2 metres cover in fields shall have a minimum of 150mm ST4 concrete surround. Flexibility shall be maintained by the provision of (flexible) or similar approved joint filter breaks in the concrete surround at each pipe joints
16. Pumping Station to be designed and constructed in accordance with Design and Construction Guidance and United Utilities Pumping Station Adaption

All pipes to have class "S" bed and surround unless shown otherwise
All drains to be adopted under S10A
All PVC pipes to be extra strength vitrified clay
BS EN 1401 – upvc pipes to comply with BS 4680:2000 &
WS 4-35-01
Max. pipe length to be 3.0m
Foundations to be designed / constructed in accordance with Design and Construction Guidance
In the event of any conflict between the details of different sewers and/or drains in depth of adjacent sewers and/or drains in accordance with Design & Construction Guidance

appropriate action to ensure de-stabilization of any existing structures, trees, embankments or other features does not occur as a result of any excavation works undertaken in accordance with the designs shown on this drawing. If contractor is unsure about any aspect of the above he should seek advice before commencing excavation work.

Unprotected/Uninstructed should not be the cause of any injury or overexerted power (a). Before work commences contractor must be instructed in the correct use of the method of placement for working in this area in accordance with HSE and power of the principle designer.

To cater for any deviations in the construction of / layout levels on the site the contractor shall ensure the correct use of design sheets.

Any deviation from the design or engineer's method on site by the site agent or contractor shall be reported to the principal designer and part of the Building Regulations

All existing services to be located at commencement in accordance with undertakers requirements and protected accordingly during the works

All existing mobile invert levels are to be located and surveyed prior to start on site to ensure that they are correct and also that the invert levels are correct and that interrelated invert levels are correct.

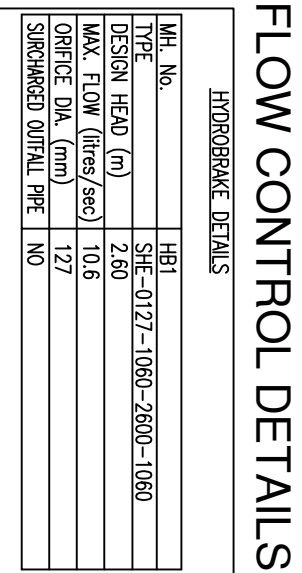
Any discrepancy to be reported to REFA prior to start to enable any changes to be made to design that prove necessary

Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:--

this drawing are:-



and Risk reduction in developing the designs shown on this drawing.



ANY WORK UNDERTAKEN PRIOR TO TECHNICAL APPROVAL BEING GRANTED IS AT THE CLIENT'S RISK.

All available surveys and associated works are to comply with the following:

- All surveys must be in accordance with the Local Regulations.
- All existing fence works are to comply with part 4 of the Building Regulations.
- All existing fence lines to be checked by the Contractor at the start of works and any discrepancies noted to be reported to the surveying team.
- All surveying and survey data to be supported by information provided by others.

All available to have the definition BS:Kirkmark and comply fully with the specifications.- All concrete & concrete products must use Sulphate resistant cement (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur).
- All opening voids etc. as required must be filled with concrete or equivalent prior to commencement of works.
- All works are to be inspected by L.A. NHC or relevant Water Authority as applicable.

In line with the above regulations we are obliged to inform the Client of their responsibilities under section ODA 15(1), and residual risks that may be encountered in the construction of these works. All design work has been carried out with Health and Safety aspects given full consideration. Wherever possible risks have been eliminated from the design, however due to the very nature of this type of work it is not possible to remove all the risks from the design.

We would also respectfully remind the Client of his obligations to take all reasonable steps in ensuring that only competent Contractors who have a valid safety policy are employed.

Our stance also provides satisfactory responses at the time should the matter in which they will

deal with the elements of risk involved in this type of work and in particular those highlighted by BREFA below:-

1. Guidance / treatment for ALL excavation work.
2. Guarding / edges of excavations to prevent people/machinery and vehicles falling into excavations.
3. Guarding of excavations outside working hours to prevent unauthorized access.
4. Underpinning to adjacent roads or structures.
5. Confined space operations.
6. Dealing with existing services.
7. Traffic management on existing highways.
8. Procedure to be followed in event of accident or emergency.

9. Method of working where contaminated ground is present on site.

10. Confirmation will be required that all operatives are adequately trained, copies of relevant training certificates to be supplied.

The above list is by no means exhaustive but it does highlight operations that present a risk to contractors and the general public.

For clarification on any item please contact REFA.

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**HOLLINS HOMES
LIMITED**

Drawing title

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שכונת
הדג
החדשה
בירושלים

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THIS DRAWING IS BASED ON PLANNING
LAYOUT PROVIDED BY CLIENT
DRAWING NUMBER: - PL01

CLIENT TO ENSURE THE ABOVE LAYOUT IS CURRENT BEFORE
USING THIS DRAWING FOR CONSTRUCTION PURPOSES