General Notes:

A. DO NOT USE THIS DRAWING IN ISOLATION. This drawing has been prepared as part of a set, and must therefore be read in conjunction with all the other drawings. Any discrepancies must be notified to the engineer prior to commencing works.

B. This/ any information is used to prepare the engineering design (including, embankment, layout, ground investigation, existing services records, and assumed design levels). The engineering design must therefore be read in conjunction with and not third party information or details.

C. Please note working drawings are to be used in conjunction with the Spec dated and drawings.

D. Drawing scale and annotation dimensions and the engineer prior to commencing any work. Any discrepancies and omissions. Works commenced prior to approval and done at at risk and may be ordered to dispose.

E. The contractor is responsible to prepare appropriate construction method statements for all aspects of proposed work. This should include any temporary protection / works.

F. Land drainage is not permitted to discharge into the public sewer network. Any road to land drainage should be assessed by the Council before any connection is made and connection and permission is granted by an adequate and private. The Council discharge designs are required, they should be approved prior to site commencement.

G. The contractor is responsible to check all drainage invert prior to commencing work. Any discrepancies or omissions to be reported prior to site commencement.

Notes:
1. Highway works to be carried out in accordance with the current local authority design guide and specification.
2. All excavations below proposed and existing carriageway to be backfilled with granular Type 1 sub-base and wet-lean concrete in layers not exceeding 150mm, unless otherwise agreed.
3. Highway activity to be notified to the contractor prior to the commencement of work.

Abbreviations:
1. All adoptable drainage within the 'Estate' areas will be approved separately.
2. Thames Water Utilities (TWU) will be responsible for the following drainage:
- Foul water sewers (including pumping stations) and lateral drains.
- Surface water sewers, including attenuation ponds, and highway drains which connect to the public sewerage system.
- Combined sewers and lateral drains.
- Sewage pumping stations.
- Rising mains.
- Any other drainage specifically agreed with the developer and the Council.
3. Thames Water Utilities (TWU) will NOT be responsible for the following drainage:
- Highway drains which do not connect to the public sewerage system.
- Surface water sewers, including attenuation ponds, and highway drains which do not connect to the public sewerage system.
- Drainage which serves roads which are not to be adopted by the Council.
- Land drainage.
- Sewers which are not to be adopted by the Council.
- Any other drainage system that is not to be adopted by the Council.

Adoptable Highways
Proposed highway to be adopted
Proposed highway to have crossfall
Proposed highway gully
Proposed bellow pedestrian crossing (refer to construction drawing for detail)
Thames chamber
Private storm rodding eye
300mm dia. private inspection chamber. To be used where depth to invert is 2000mm or less. Reduced access fixing to be used where depth to invert is greater than 1200mm
All private drainage to be 150mm (typ) pipe or 110mm below pipe unless otherwise shown
Where 2 or more properties connect to the same private storm run the pipework should be designed as a gravity system as per Part H of Thames Water guide and connection to the sewer should be made via an inspection chamber
Where drainage is laid in proximity to trees, pipework should be laid on a suitable bed and surround to the specification of the National House-Building Council and the Chartered Institute of Environmental Health Registered Scheme for Building Near Trees
Manholes and inspection chambers to be of a type suitable for the depth and location in which they are situated
Rodding eyes to be provided at changes of direction and at the head of all drainage runs
Gullies to be trapped
Private drainage to be designed to cater for 1 in 30 year storm plus 20% allowance for climate change
Soakaways to be designed in accordance with BRE Digest 365
Where soakaways are shown within 5m of a building, they should be lined to prevent loss of fines
Soakaways to be located a minimum of 5m from any building or road
Where soakaways are shown within 10m of a building, the bottom of the soakaway should be at least 1m below the footing level of the building
Soakaways to be located a minimum of 10m from any borehole used for potable water supply
Soakaways to be located a minimum of 50m from any spring used for potable water supply
Soakaways to be located a minimum of 5m from any highway
Soakaways to be located a minimum of 2.5m from any boundary
Soakaways to be located a minimum of 5m from any watercourse
Soakaways to be located a minimum of 5m from any public sewer
Soakaways to be located a minimum of 5m from any building
Soakaways to be located a minimum of 5m from any road
Soakaways to be located a minimum of 5m from any railway
Soakaways to be located a minimum of 5m from any canal
Soakaways to be located a minimum of 5m from any river
Soakaways to be located a minimum of 5m from any pond
Soakaways to be located a minimum of 5m from any lake
Soakaways to be located a minimum of 5m from any reservoir
Soakaways to be located a minimum of 5m from any dock
Soakaways to be located a minimum of 5m from any harbour
Soakaways to be located a minimum of 5m from any sea
Soakaways to be located a minimum of 5m from any estuary
Soakaways to be located a minimum of 5m from any tidal river
Soakaways to be located a minimum of 5m from any tidal canal
Soakaways to be located a minimum of 5m from any tidal dock
Soakaways to be located a minimum of 5m from any tidal harbour
Soakaways to be located a minimum of 5m from any tidal sea
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