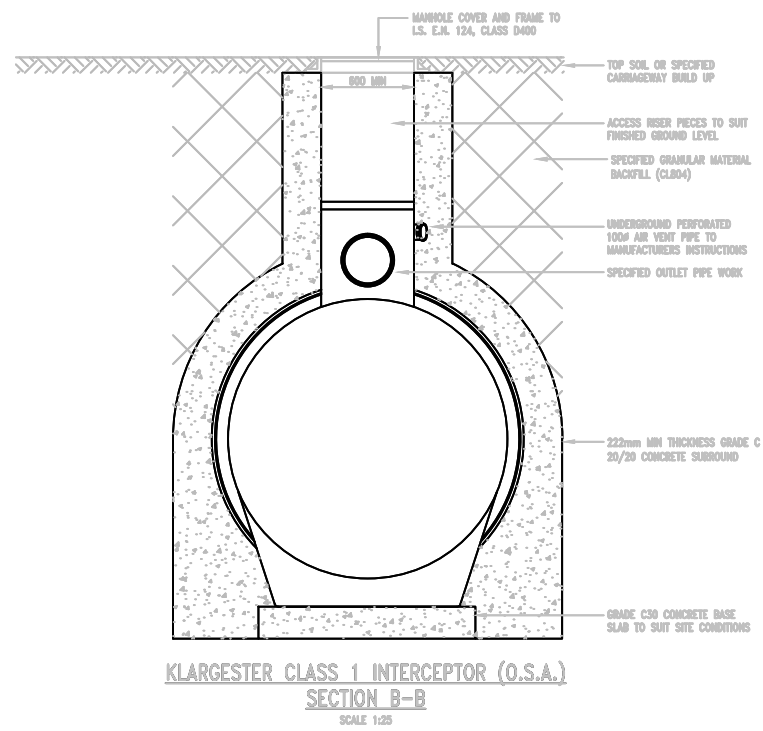
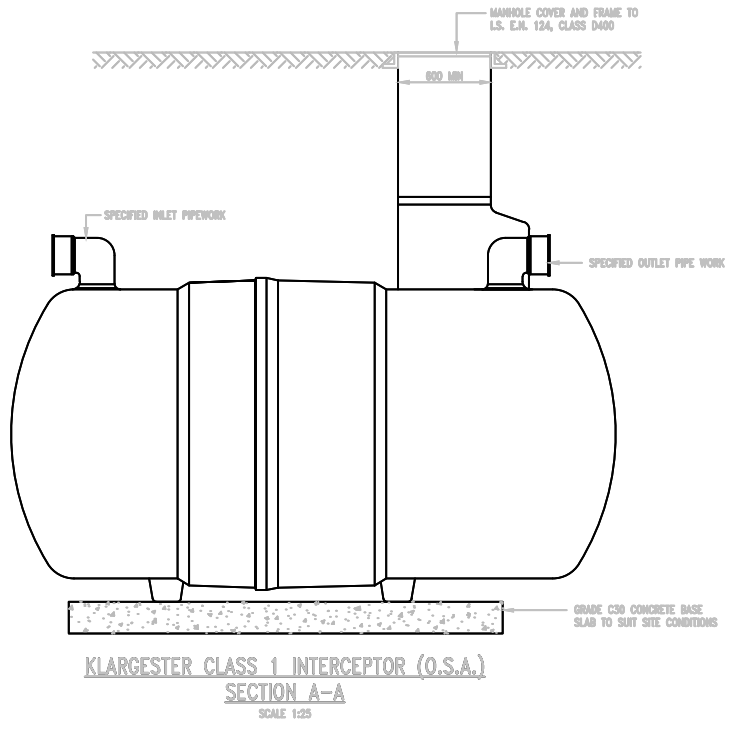
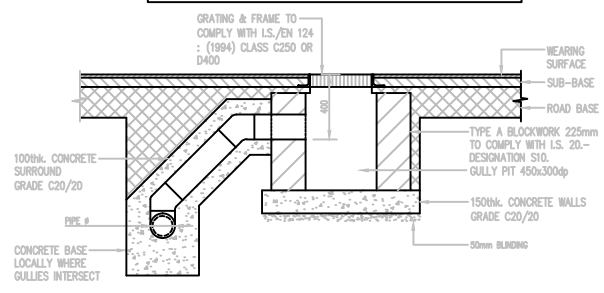


**NOTES :**

THE MINIMUM DEPTH FROM THE TOP OF THE GRATING TO THE BOTTOM OF THE GULLY OUTLET IS TO BE 400mm, WHEN THE CONNECTING PIPE IS UNDER A CARRIAGEWAY AND 600mm ELSEWHERE. WHEN AN IN-SITU CAST GULLY HAS A TRAP, THE STOPPERS SHALL COMPLY WITH THE REQUIREMENTS OF BS 5911 : PART 2.



- NOTES :**
- DO NOT SCALE FROM THIS DRAWING USE STATED DIMENSIONS ONLY. IF IN DOUBT CONSULT THE ENGINEER.
  - LEVELS REFER TO O.S. DATUM MALIN HEAD.
  - PRECAST MANHOLE RINGS, COVER SLABS AND REDUCING SLABS SHALL COMPLY WITH I.S. 420:1998.
  - PRECAST MANHOLE RINGS, COVER SLABS AND REDUCING SLABS SHALL BE INSTALLED COMPLETE WITH TYPE 2 RUBBER GASKETS AND JOINTING RINGS WHICH COMPLY WITH I.S. 2484.
  - CONCRETE TO MANHOLE BASES AND SURROUNDS SHALL BE GRADE C30. SURROUND SHALL BE A MINIMUM OF 150mm THICK AND CONTAIN ONE LAYER OF A142 REINFORCEMENT MESH.
  - BUILDING CONCRETE SHALL BE GRADE C15. BUILDING SHALL BE A MINIMUM THICKNESS OF 100mm.
  - SAND CEMENT RENDER 25mm THICK SHALL BE APPLIED TO THE INTERIOR AND EXTERIOR WITH A SIZED TRIMEL FINISH.
  - LADDER RINGS SHALL BE P.V.C. COATED STEEL FOR MANHOLES WITH A DEPTH TO INVERT GREATER THAN 4.5m USE GRADE 316 STAINLESS STEEL LADDERS.
  - DROP PIPE WORK SHALL BE SIZED IN ACCORDANCE WITH TABLE NO. 1 WHERE THE CONNECTION < 1.0m ABOVE INVERT USE DAMP CONNECTIONS, WHERE CONNECTION IS > 1.0m ABOVE INVERT USE DROP CONNECTIONS.
  - MANHOLE COVERS AND FRAMES SHALL COMPLY WITH I.S. E.I. 124, AND SHALL BE CLASS D400 WITH A CIRCULAR OPENING OF 600mm MINIMUM AND A SQUARE FRAME.
  - SUITABLE SHORT LENGTHS OF PIPE OR ROCKER PIPES SHALL BE INSTALLED TO PROVIDE A FLEXIBLE JOINT WITHIN 1500mm OF THE OUTER FACE OF THE MANHOLE ON ALL SEWERS AND BRANCHES.
  - SEW ENGINEERING BRICK SHALL BE GRADE 47H/first.
  - FOR ALL INLETS, OUTLETS AND BRANCHES MATCH CROWN LEVELS UNLESS INDICATED OTHERWISE.
  - STORMCELL STORM WATER ATTENUATION SYSTEM SHALL BE SUPPLIED BY HYDRO INTERNATIONAL/REMAC DUBLIN LIMITED OR SIMILAR APPROVED. THE SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
  - HYDROBRAKE FLOW CONTROL SYSTEM SHALL BE SUPPLIED BY HYDRO INTERNATIONAL/REMAC DUBLIN LIMITED OR SIMILAR APPROVED. THE SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
  - TORIFLEX VALVES BY REDHALVE USA SHALL BE SUPPLIED BY HYTEC LIMITED OR SIMILAR APPROVED. THE VALVES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
  - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION.

**PLANNING DRAWING**  
NOT FOR CONSTRUCTION  
THIS DRAWING HAS BEEN ISSUED FOR INFORMATION PURPOSES ONLY AND MUST NOT BE USED FOR CONSTRUCTION UNDER ANY CIRCUMSTANCES

**NOTES**

- For cutting out refer to Architect's drawings.
- This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
- DO NOT SCALE THIS DRAWING. Use figured dimensions only.
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Rev. No.	Date	REVISION NOTE	Dr. By	Chk. By

Client	Bartra Property ( Eblana ) Limited		
Project	The Old School House, Eblana Avenue Dun Laoghaire, County Dublin		
Title	DRAINAGE DETAILS SHEET 3 OF 3		
Dr. by	DF	Chk. by	GL
Appr. by	NG	Scale	AS SHOWN @ A1
Date	Nov 2018	Dwg. No.	<b>B098-007</b>
Revision			

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Environment I.S. EN ISO 14001:2004  
Energy I.S. EN ISO 50001:2011  
Health & Safety OHSAS 18001:2007