

Document Register

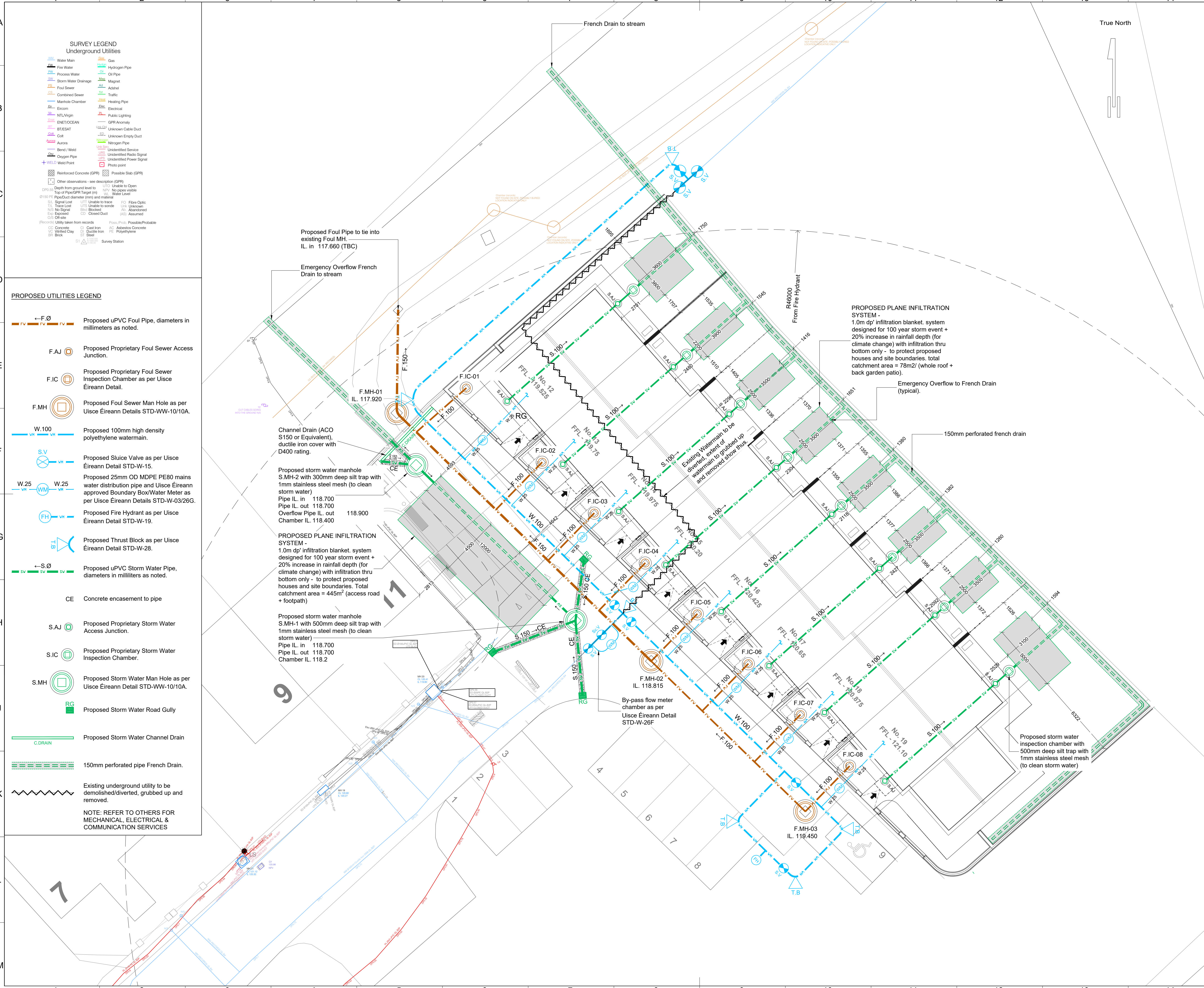
Civil and Structural- Planning Package

Project: *St. Olan's Place, Aghabullogue, Co. Cork.*

Dwg. No.	Rev.	Drawing Name
5008-101	C	PROPOSED DRAINAGE LAYOUT
5008-102	A	PROPOSED DRAINAGE DETAILS

Document:

Engineering Report including Drainage Impact Assessment & Flood Risk Screening Assessment



SURVEY LEGEND

Underground Utilities

Water Main	Gas
Fire Water	Hydrogen Pipe
Process Water	Oil Pipe
Storm Water Drainage	Magnet
Foul Sewer	Asphalt
Combined Sewer	Traffic
Manhole Chamber	Heating Pipe
Electric	Electrical
NTL/Arge	Public Lighting
ENET/OCEAN	GPR Anomaly
BT/ESAT	Unknown Cable Duct
Cable	Unknown Empty Duct
Aurora	Nitrogen Pipe
Bend / Weld	Undersized Service
Oxygen Pipe	Undersized Radio Signal
Weld Point	Undersized Power Signal
	Photo point
Reinforced Concrete (GPR)	Possible Slab (GPR)
Other observations - see description (GPR)	Unable to Open
Depth from ground level to Top of Pipe (GPR Target)	No pipes visible
Water Level	
Pipe/Duct diameter (mm) and material	
Signal Lost	Unable to trace
Trace Lost	Unable to trace
Blocked	Blocked
Open Duct	Open Duct
Assumed	Assumed
Utility taken from records	Poss. Prob. Possible/Probable
Concrete	Cast Iron
Vertical Clay	Asbestos Concrete
Steel	Steel
Black	Polyethylene
Survey Station	

PROPOSED UTILITIES LEGEND

F-Ø	Proposed uPVC Foul Pipe, diameters in millimeters as noted.
F.AJ	Proposed Proprietary Foul Sewer Access Junction.
F.IC	Proposed Proprietary Foul Sewer Inspection Chamber as per Uisce Éireann Detail.
F.MH	Proposed Foul Sewer Man Hole as per Uisce Éireann Details STD-WW-10/10A.
W.100	Proposed 100mm high density polyethylene watermain.
S.V	Proposed Sluice Valve as per Uisce Éireann Detail STD-W-15.
W.25	Proposed 25mm OD MDPE PE80 mains water distribution pipe and Uisce Éireann approved Boundary Box/Water Meter as per Uisce Éireann Details STD-W-03/26G.
FH	Proposed Fire Hydrant as per Uisce Éireann Detail STD-W-19.
T.B	Proposed Thrust Block as per Uisce Éireann Detail STD-W-28.
S-Ø	Proposed uPVC Storm Water Pipe, diameters in millimeters as noted.
CE	Concrete encasement to pipe
S.AJ	Proposed Proprietary Storm Water Access Junction.
S.IC	Proposed Proprietary Storm Water Inspection Chamber.
S.MH	Proposed Storm Water Man Hole as per Uisce Éireann Detail STD-WW-10/10A.
RG	Proposed Storm Water Road Gully
C.DRAIN	Proposed Storm Water Channel Drain
150mm perforated pipe	150mm perforated pipe French Drain.
Existing underground utility	Existing underground utility to be demolished/diverted, grubbed up and removed.

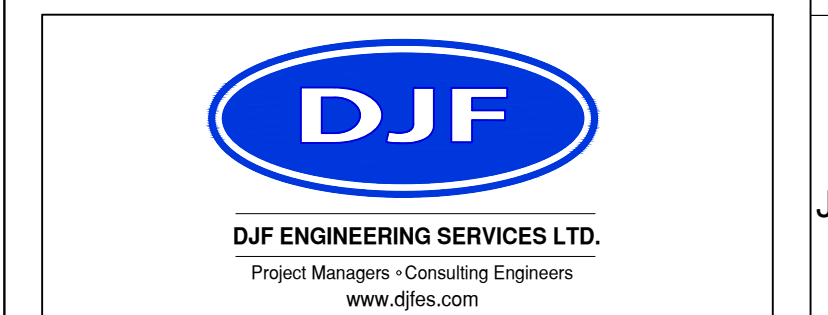
NOTE: REFER TO OTHERS FOR MECHANICAL, ELECTRICAL & COMMUNICATION SERVICES

- GENERAL NOTES**
1. Drawings are not to be scaled.
 2. All dimensions are in millimeters unless noted otherwise.
 3. All levels are in meters unless noted otherwise.
 4. All levels to be checked on site.
 5. Figured dimensions only to be used.
 6. All dimensions to be site checked.
 7. Dimensions shown in red indicate non-compliance to TGD.
 8. All drawings are to be read in conjunction with all other Tender, Construction, Contract and Detail Drawings, Specifications, Bill of Quantities and Documents.
 9. The Contractor shall be responsible for checking all dimensions and levels shown against all other drawings which pertain to this part of the works.
 10. The Contractor is to ensure that all works are to be undertaken in accordance with good building practice and current Building Regulations (including Technical Guidance Documents A to M inclusive and all relevant amendments).
 11. The Contractor is to refer to Project Standard Details in addition to the drawings and specifications.
 12. Use information, setting out, dimensions etc. from Hard copies & PDF files of Drawings issued by DJF. All other file types including AutoCad and Revit are issued for information purposes only.
 13. If in doubt, request clarification from DJF.

Key Plan:

C	REVISED & ISSUED FOR PLANNING	CP	FH	06.12.23
B	REVISED & ISSUED FOR PLANNING	FH	SH	28.11.23
A	ISSUED FOR PLANNING	FH	SH	16.11.23
Rev	Description	Issued by	App'd by	Date

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Project Phase:
 PLANING

Client:

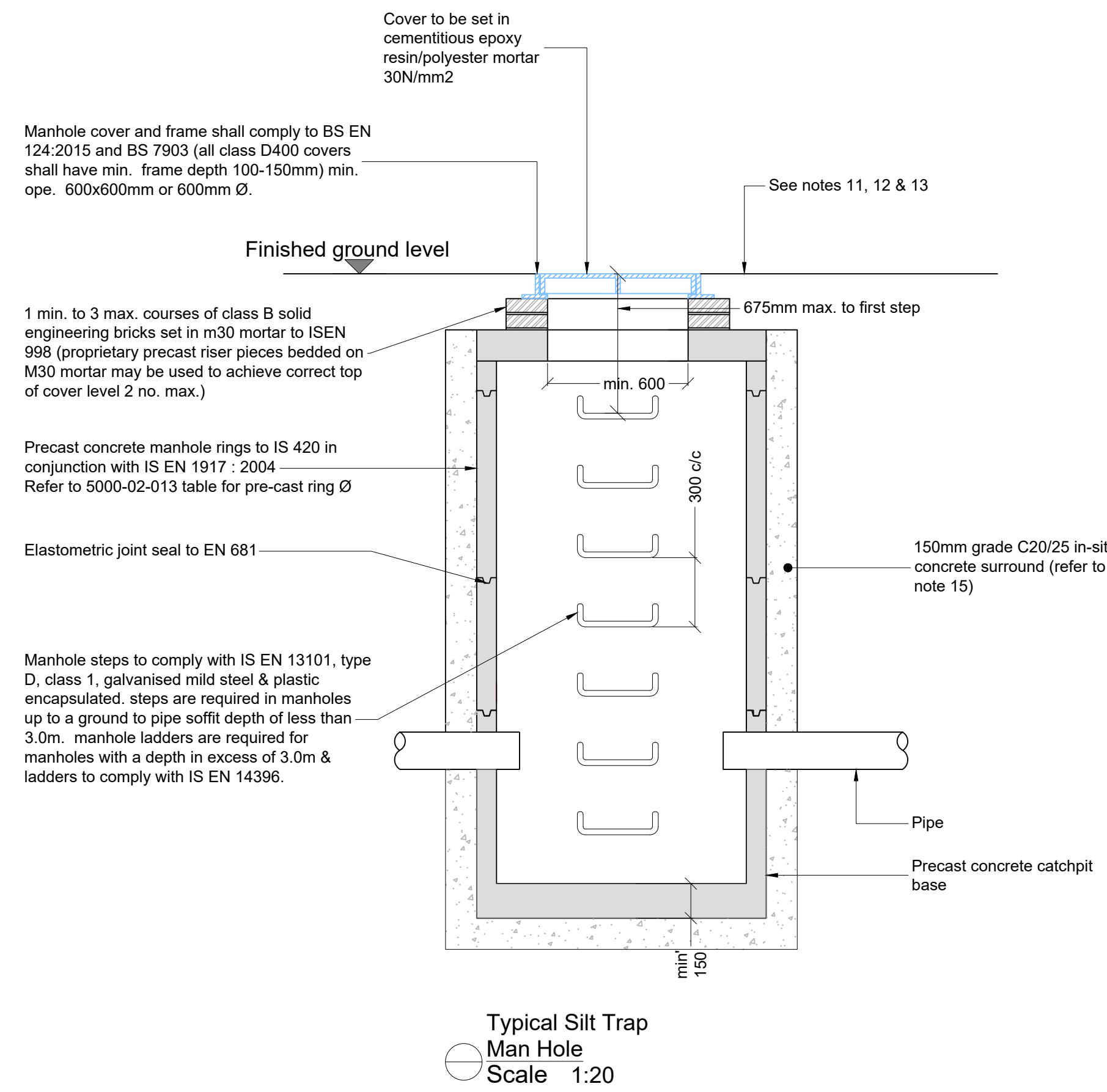
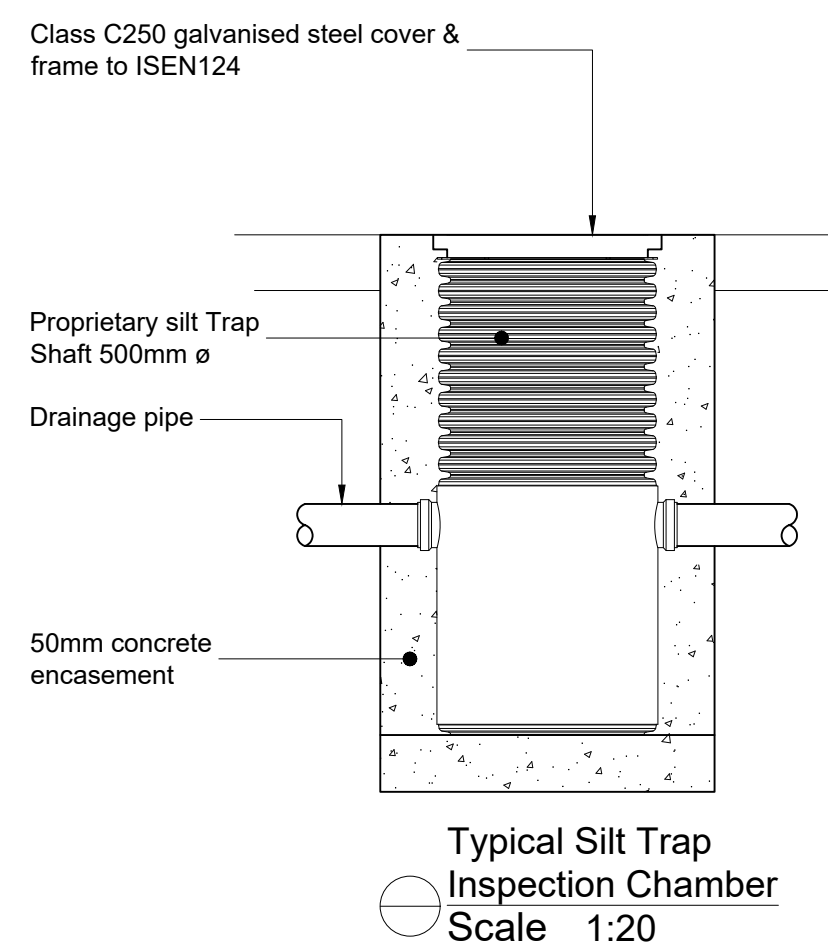
 Conhairle Contae Chorcaí
 Ailtirí | Stiúrthóiríocht Tithíochta

Project Name:
 8 No. Housing Units at St. Olan's Place Aghabullogue, Co. Cork.

Drawing Title:
 PROPOSED DRAINAGE LAYOUT

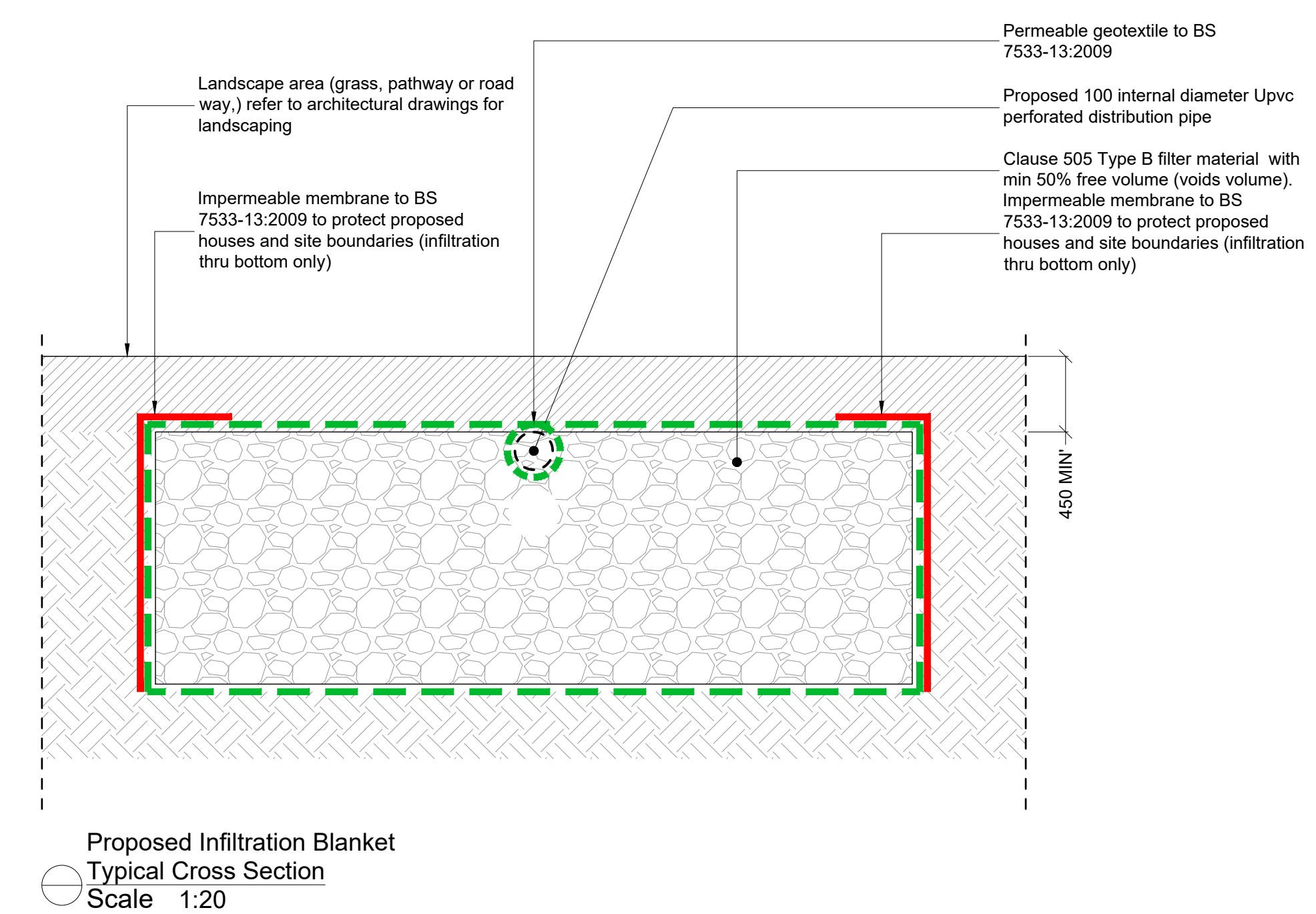
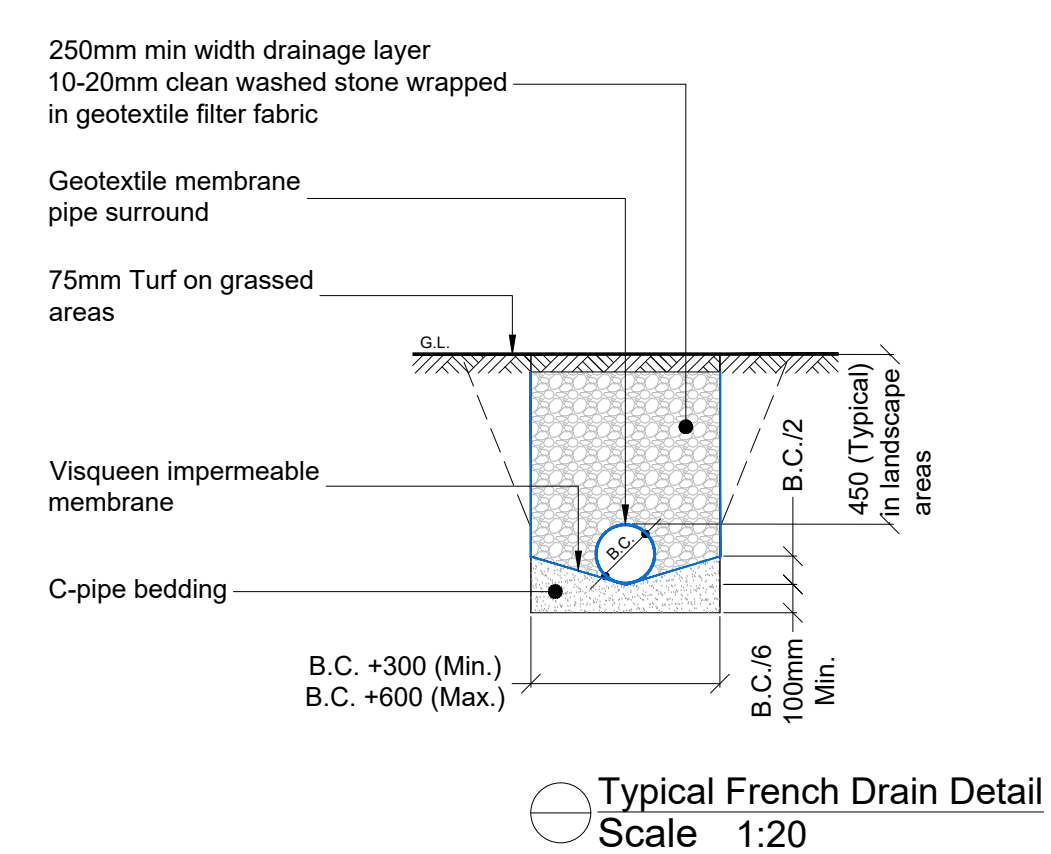
Scale @ A1: 125	Drawing No: 5008-101	Rev: C
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- All dimensions are in millimeters (mm) unless noted otherwise.
- Pre-cast manholes units: complying with requirements of IS EN 1917 and IS 420.
- Pre-cast concrete base incorporating channels, benching etc. subject to Engineer review and complying with IS EN 1917 & IS 420.
- In situations where P.C.C. manhole bases have redundant channels, these shall be plugged and filled by scabbling, and infilled with grade C20/25 concrete to match existing base and benched to suit flow within the manhole base.
- Manholes greater than 3m in depth will require a detailed structural design and be subject to Engineer review.
- Pre-cast concrete roof slabs to be used subject to Engineer review and compliance with IS 420.
- Covers and frames shall be suitable for road and traffic conditions subject to review by Engineer.
- 200mm all around x 100mm deep, C20/25 concrete plinth complete with bull nose finish and to be provided complete with mild steel reinforcement link around covers in green areas.
- All chambers to be checked for uplift by the developer based on ground conditions within the site. should anti floatation measures be required they shall be subject to review by Engineer.
- All concrete to be in accordance with IS EN 206 : 2013.
- Any special road reinstatement around cover & frame shall be to road authority's requirements.
- New road construction & surface finish to be to road authority requirements.
- Existing road reinstatement to comply with current version of "guidelines for managing openings in public roads" by the Dept. of Transport, Tourism & Sport, or Transport Infrastructure Ireland requirements.
- If depth from ground to pipe soffit is greater than 6m deep, a site specific engineered solution for access shall be provided.
- Proprietary watertight PCC manhole ring systems with a wall thickness > 125mm, & a water tight joint sealing system, may be used without concrete surround, subject to the ground water level at the manhole being low, & subject to review by Engineer.
- The internal manhole diameters shown in the table below are minimum dimensions and will increase depending on the number and diameter of additional inlets and finished with a 1:3 sand/cement finish to suit flow of inlets and outlet.

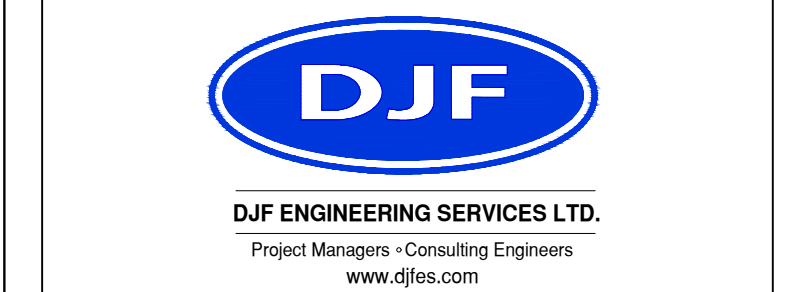
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Rev	Description	Issued by	Appr'd by	Date
A	ISSUED FOR PLANNING	FH	SH	16.11.23

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PLANING

Client:
Conhairle Contae Chorcaí
Ailteirí | Stiúrthóireacht Tithíochta

Project Name:
8 No. Housing Units at St. Olan's Place Aghabullogue, Co. Cork.

Drawing Title:
PROPOSED DRAINAGE DETAILS

Scale @ A1: 20
Drawing No: 5008-102
Rev: A