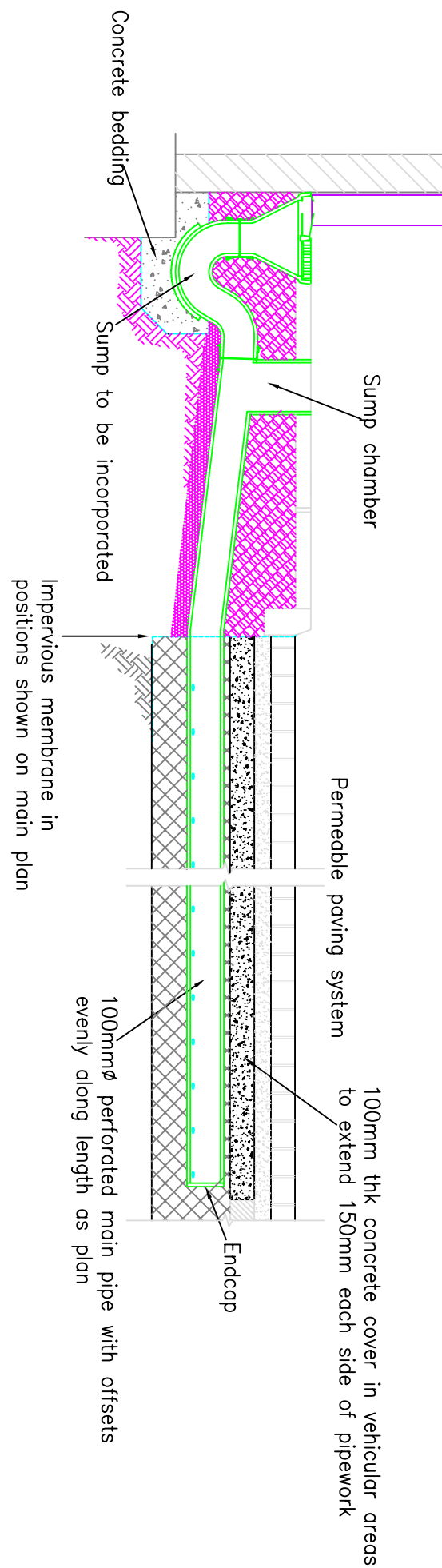


CHAINAGE	EXISTING GROUND LEVEL			ALIGNMENT GROUND LEVEL (PROPOSED GROUND LEVEL)	VERTICAL ALIGNMENT	SUB BASE IN/VERT
	5.35	5.40	5.24			
0.000	5.40	5.24	Existing 5.28	G=0.50 L=43.157m 1:20	Sub base invert gradient G=0.01% 1:1000 5.000	
	4.50	6.05	5.676 5.982			
8.716 10.000				G=0.6928 L=44.441m 1:202.9	5.010	
20.000	5.82		5.732		5.020	
30.000	5.74		5.781	5.030		
40.000			5.830	5.040		
50.000	5.85	5.91	5.880	1:202.9	5.050	
53.157	5.89		5.895		5.060	
60.000			5.888	G=0.0432% L=165.155m 1:2316	5.070	
70.000	5.78		5.902		5.080	
80.000			5.907	5.090		
90.000	5.74		5.911	5.100		
100.000	5.83		5.915	5.110		
110.000	5.92		5.920	5.120		
120.000	5.84		5.924	5.130		
130.000	5.87		5.928	5.140		
140.000	5.90		5.933	5.150		
150.000			5.937	5.160		
160.000			5.941	5.170		
170.000			5.945	5.180		
180.000			5.950	5.190		
190.000	6.02		5.954	5.200		
200.000			5.958			
208.292	6.40		5.962			

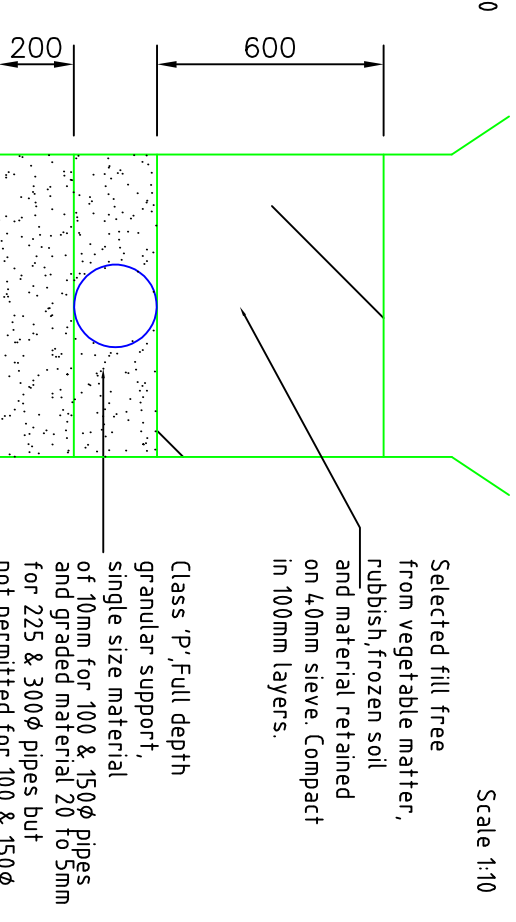
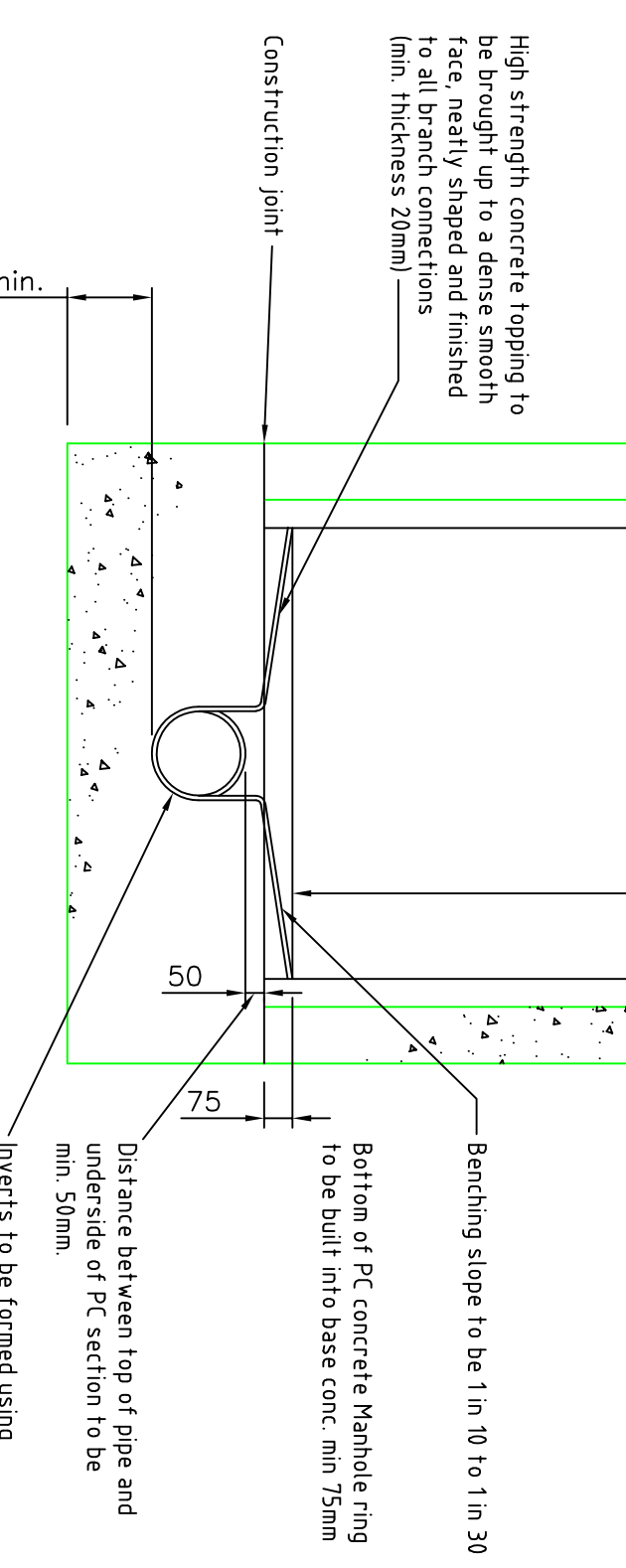
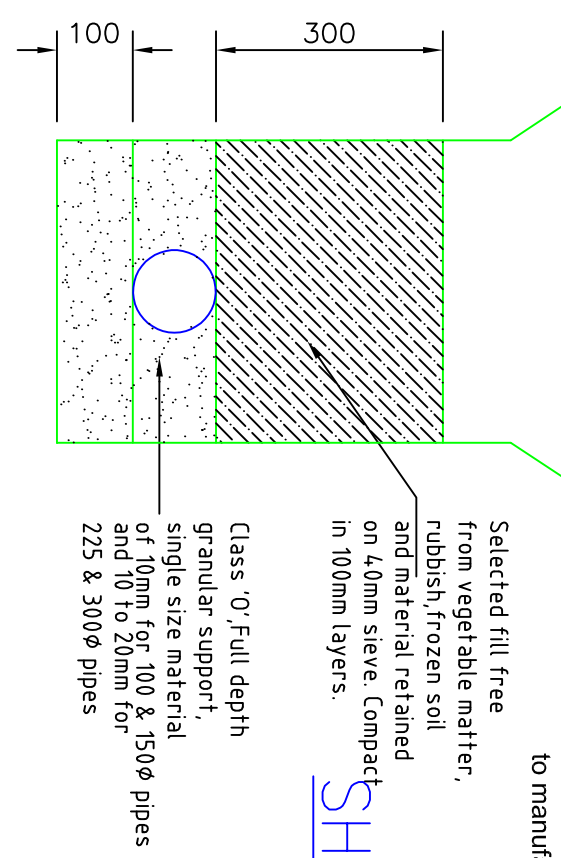
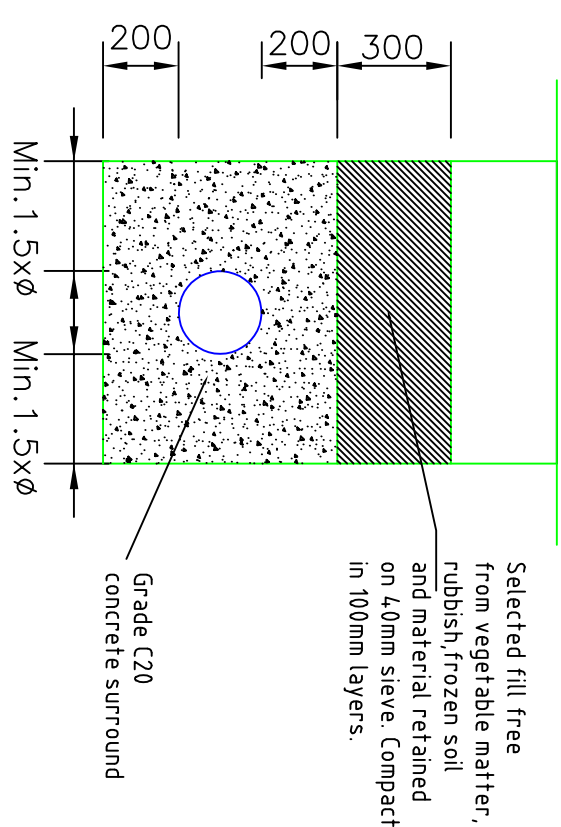
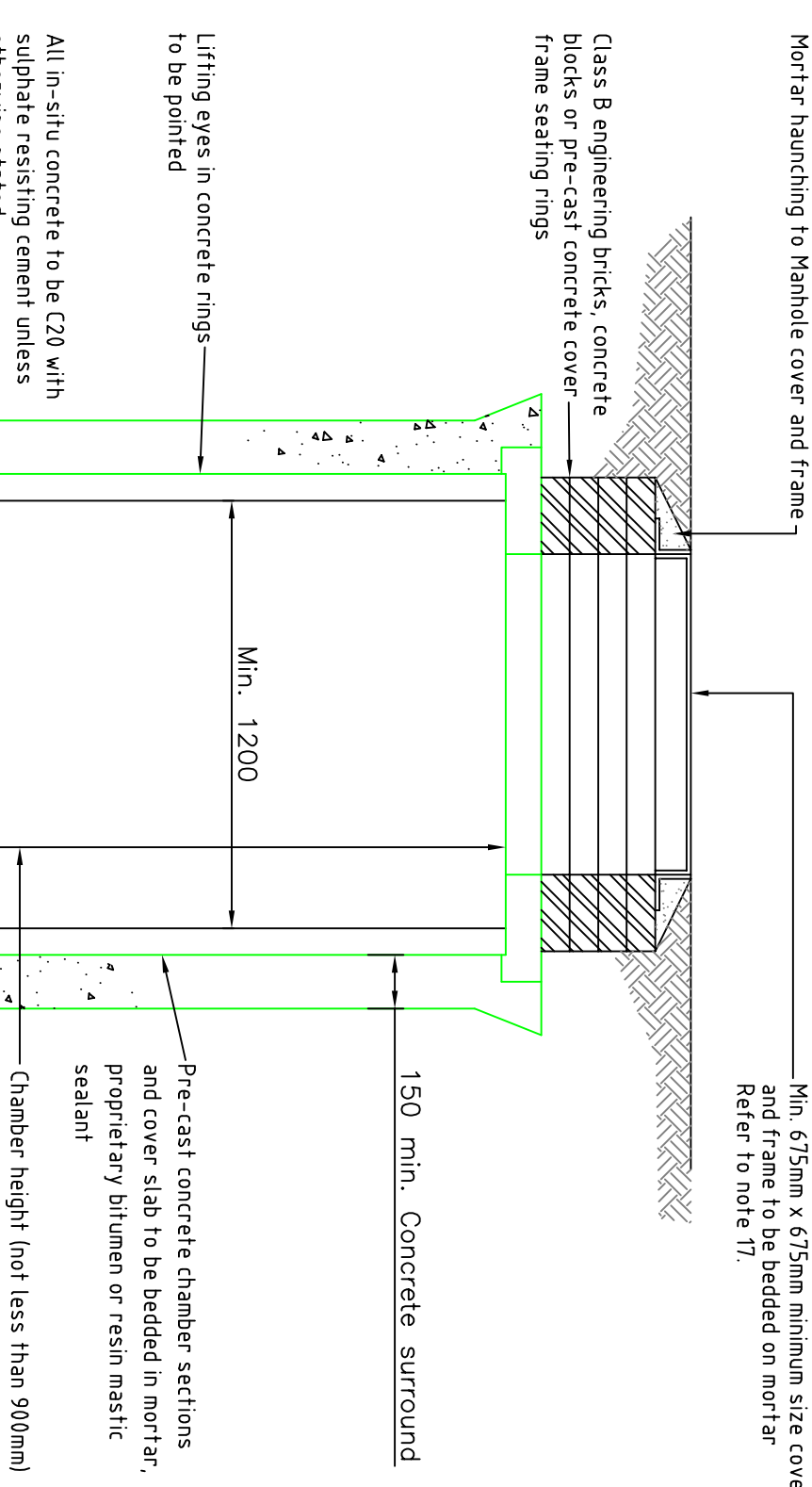
Notes:

Sub base to have a minimum porosity of 0.4.
ep9 Type 4/20 to BS EN 13242 or similar approved by the engineer before construction works commence

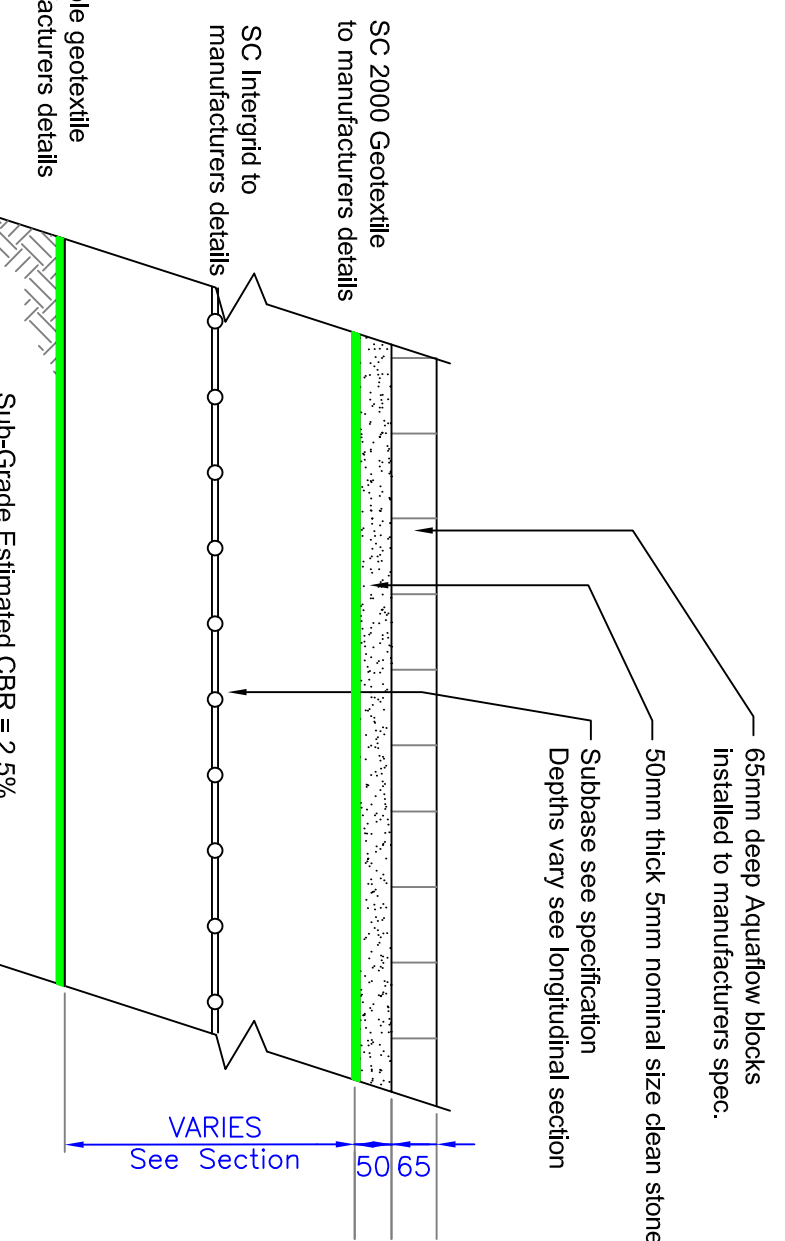
Minimum sub base storage volume = 179.4 cu.m



STORM WATER DISCHARGE INTO PERMEABLE
PAVING SYSTEM DETAIL



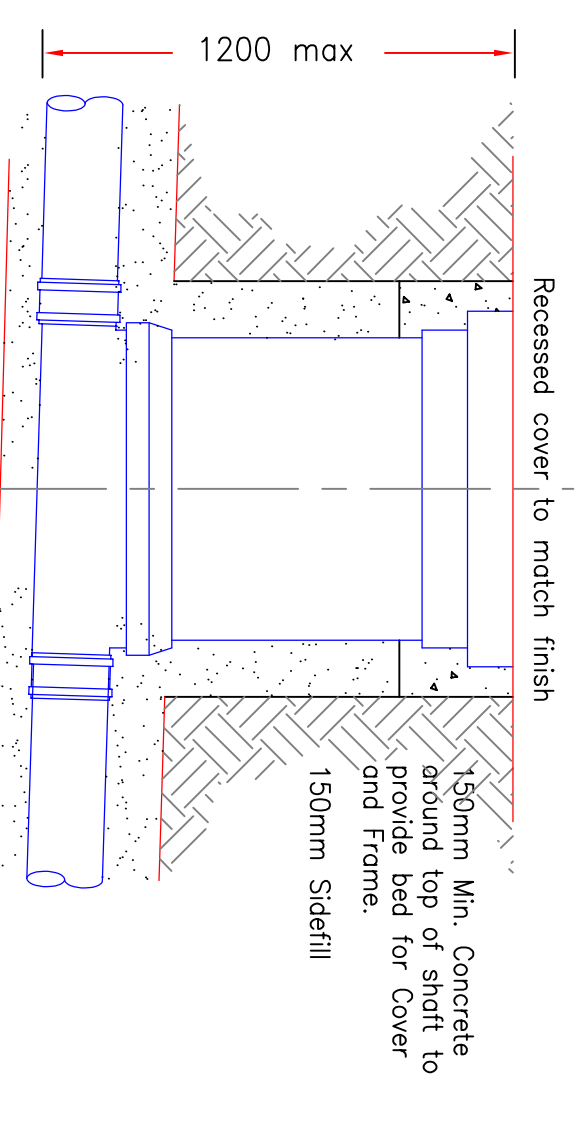
TYPICAL SECTION



surround see details

450mmØ INSPECTION CHAMBER

TYPICAL INSTALLATION



Date		By	Revision	OAD	Cmk'd	Ref
Dec 2020	Scale AS SHOWN					
CkWV	Cmk'd EG OAD EG					
	Drg No.					
	424955-11P1					

APPROVAL

Also at:
Longquard Manor
Stranisham
PO37 7BS

SUBSISTENCE CONSULTANTS LTD
Cowan Consultancy
STRUCTURAL CIVIL AND BUILDING CONSULTANTS
3 Lumberly House
4400 Parkway
Whiteley
Fareham
Hampshire PO15 7JG

Client: HERRINGGATE UK LTD

Project: Land at Scyld, Littlehampton

Title:

[illegible]

Specification for open graded subbase for use as storage below pervious pavements
(also Type C filter material for filter drains and soakaway backfill in accordance with SNW Clause 505)
Type 4/20

- ## NOTES
1. This drawing has been prepared using a Topographical survey drawing supplied by the client in AutoCAD format.
 2. All dimensions are in millimetres unless specifically noted otherwise.
 3. Levels are based on an assumed datum of 10,000m. Levels of SWA apparatus shown are based on this site datum and do not relate to OS levels.
 4. All pipe connections to manholes shall be provided with a 'lockable' pipe of 600mm effective length in accordance with Cl. 4.6.6. of Sewers for Adoption 6th Edition.
 5. Manholes to be constructed without step irons or ladders as required by Southern Water Authority.
 6. All drainage and associated works are to comply with Part 5 – Civil Engineering Specification of Sewers for Adoption – Edition 6.
 7. The contractor shall be responsible for setting out and the accuracy of all dimensions. He shall satisfy himself that the ground is as represented and that any discrepancies shall be notified to the Engineer immediately.
 8. In accordance with CDM2015 the contractor is to :-
 - a. Notify H.S.E. of works.
 - b. Comply with the requirements of the Health & Safety Plan (if applicable)
 - c. Provide risk assessments and method statements for all potential hazardous works indicated on this drawing.
 9. Any abandoned pipes or manholes are to be grubbed out. Contractor to undertake a CCTV survey to ensure that there are no connections to any apparatus to be abandoned that may be affected by these works. Any laterals found in survey to be connected to diverted sewer.
 10. All changes of direction to be greater than 90°.
 11. Contractor to ensure that existing sewer remains in service until diversion works are completed.
 12. All domestic connections from the new development to be directed to new IC A.
 13. Highway Authority approval may be required for installation of IC E which is located close to the public highway. Contractor to seek the proper approvals/permissions in due course.
 15. New pipework to be vitrified clay pipe and to be constructed to the following specifications. Systems that are resistant to a jacking pressure of 4000psi. Systems that minimise the number of joints in the system, by using 3 metre pipe length. Systems that do not have lip seal joints, hence preventing root ingress.
 16. The diameter of the sewer to be diverted is 150mm. The new 150mm diameter diversion pipe shown may be considered to be a minimum diameter.