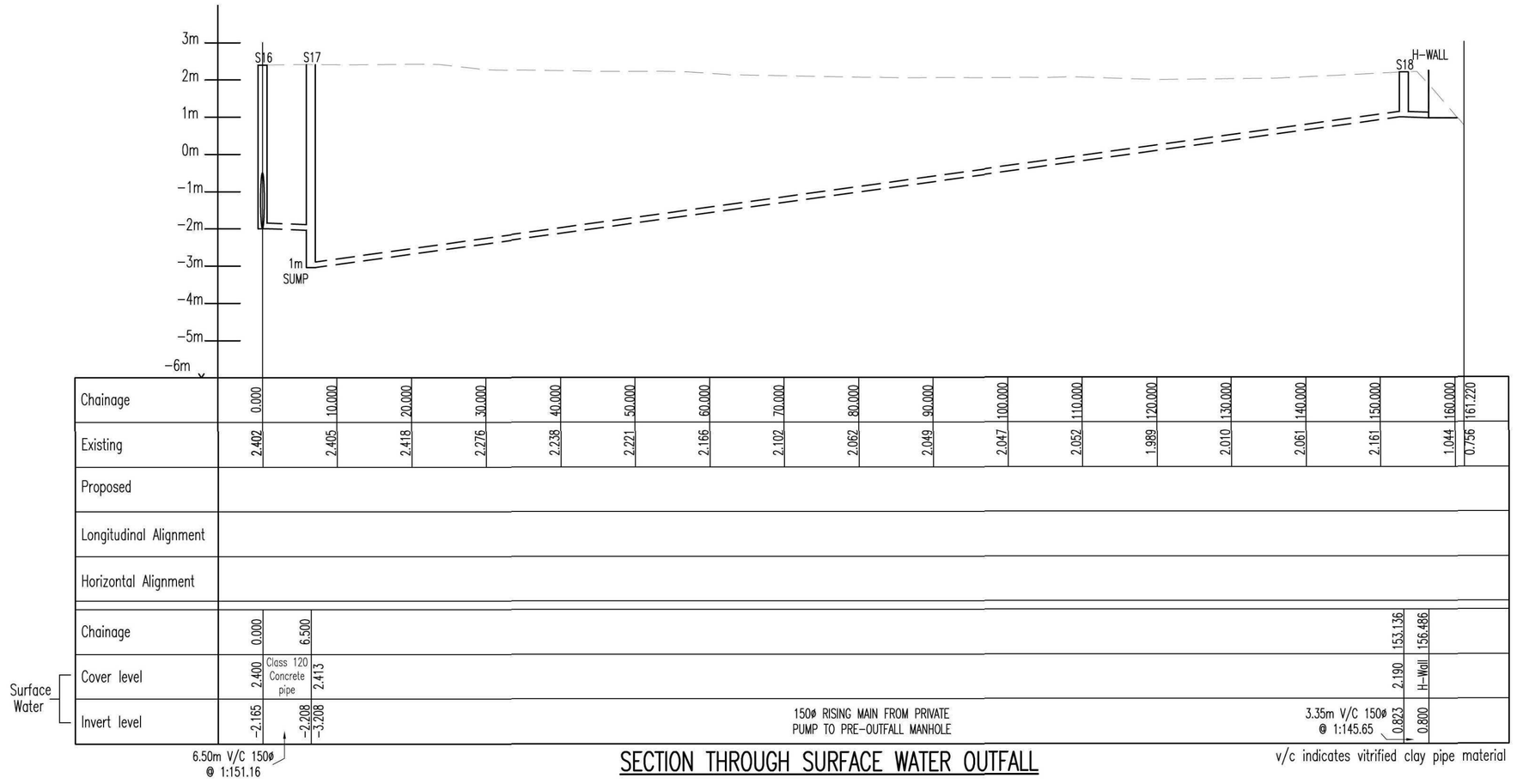
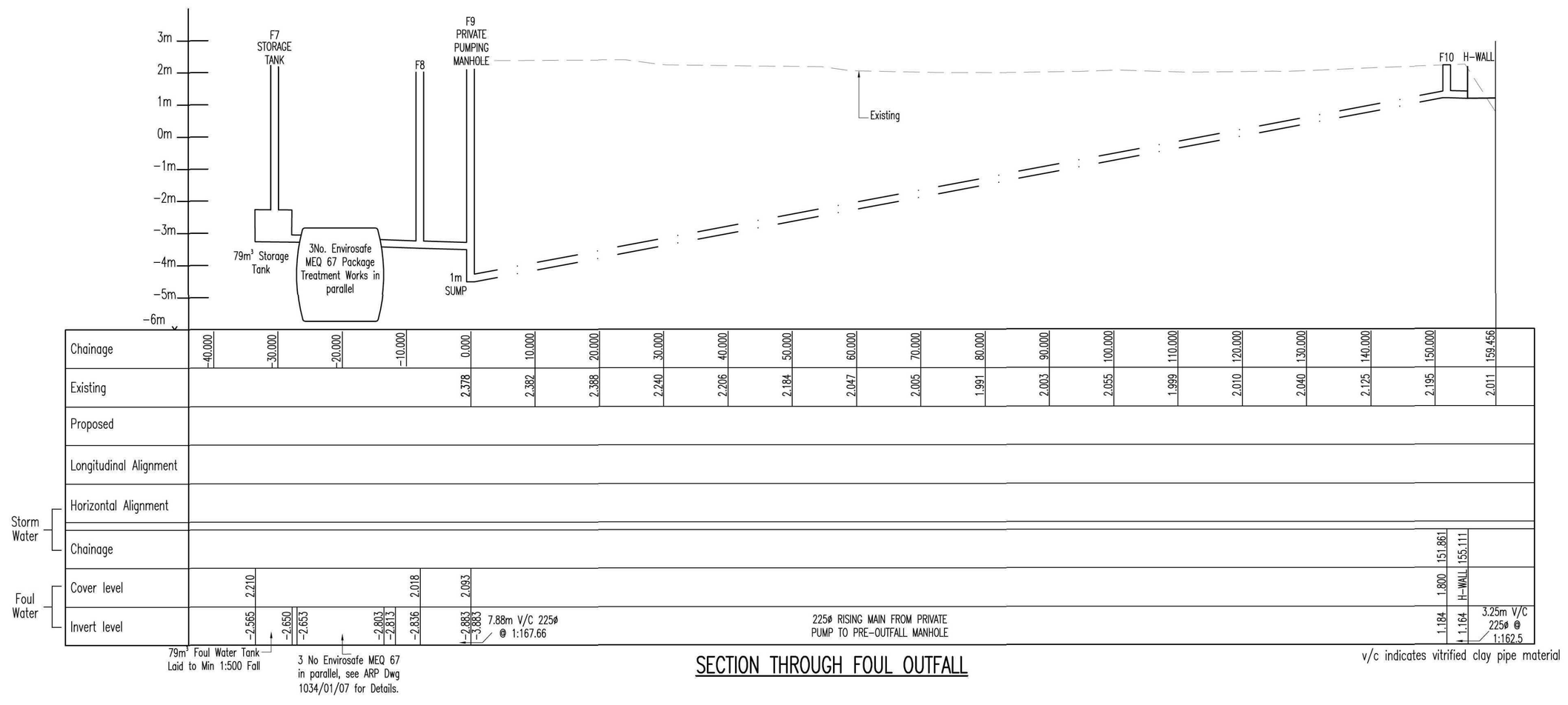


SECTION THROUGH SURFACE WATER OUTFALL

v/c indicates vitrified clay pipe material



SECTION THROUGH FOUL OUTFALL

v/c indicates vitrified clay pipe material

N O T E S

General Drainage Installation Notes

1. Manhole covers shall/must have a clear opening of 600mm and shall be Class D400 BS EN 124 with 150mm deep frames in highway.
2. Filled ground must be filled and consolidated before any sewer works are carried out.
3. All concrete pipes to BS EN 1916 Class 120.
4. Cover slabs must carry the BSI Kitemark, where the clear opening of the Kitemarked product is different to that of the cover and frame, a loading bearing slab should be fitted above the cover slab to bring the size down to 600x675mm.
5. The sewers should be a minimum of 1m and manholes 0.5m from kerb faces and service margins.
6. Sewers must have 5 metres clearance from trees and hedges, (Also refer to Figure 2.3 on page 33 in "Sewers for Adoption" 6th Edition for restrictions on tree planting adjacent to Sewers).
7. Sewers to be laid in Class "S" bedding (150mm granular bed and surround). Where depth of cover to top of the sewer is less than 1.2m in highways and verges (or less than 900mm in none vehicular access areas) then a concrete slab should be provided above the granular bed and surround".
8. All sewers to be BSI Kitemark (certified to WIS 4-35-01).
9. Sewer pipes to be laid in maximum 3 metre lengths unless there is a specific operational need to lay longer.
10. Bedding and backfill material to conform to the requirements of Water Industry Specification 4-08-02 (Table A2)
11. Plastic channel sections in manholes are not acceptable it is preffered that clay ware channels are used in manholes. It has been found that plastic channels are difficult to set in concrete because they float and a satisfactory finish cannot be obtained on the benching.
12. The chamber size of manholes with more than one connection in them may need to be increased an increment to accommodate the connections and bends.
13. Surface water and foul rising mains to be provided with marker tape above the rising mains.
14. Demarcation chambers to be a min. 450mmø chamber for 100mmø foul & 150mmø surface water pipes up to 1.2m deep. For depths greater than 1.2m, restricted access opening to 350mm is required for safety reasons.
15. Maximum depth of demarcation chamber to be 2m, where depth exceeds 2m, manhole to be constructed as type B manhole.
16. Sulphate resistant cement (C20-DC2) and precast concrete products must be used or a laboratory report provided that such precautions are not necessary.

Rev	By	Date	Revision	Chk
A	MTO	13.09.11	Revised to suit layout changes.	
/	MTO	17.09.10	Issued for Information	ARP

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TITLE
LONG SECTIONS (SHEET 4 of 4)

PROJECT
CLAY LAKE SPALDING

CLIENT
ASHLEY KING DEVELOPMENTS

Scale	Date	Drawn
1:100 V 1:500 H	Aug-10	MTO
		Chk. ARP

Drg. No.	Rev
1034/01/03.04	A