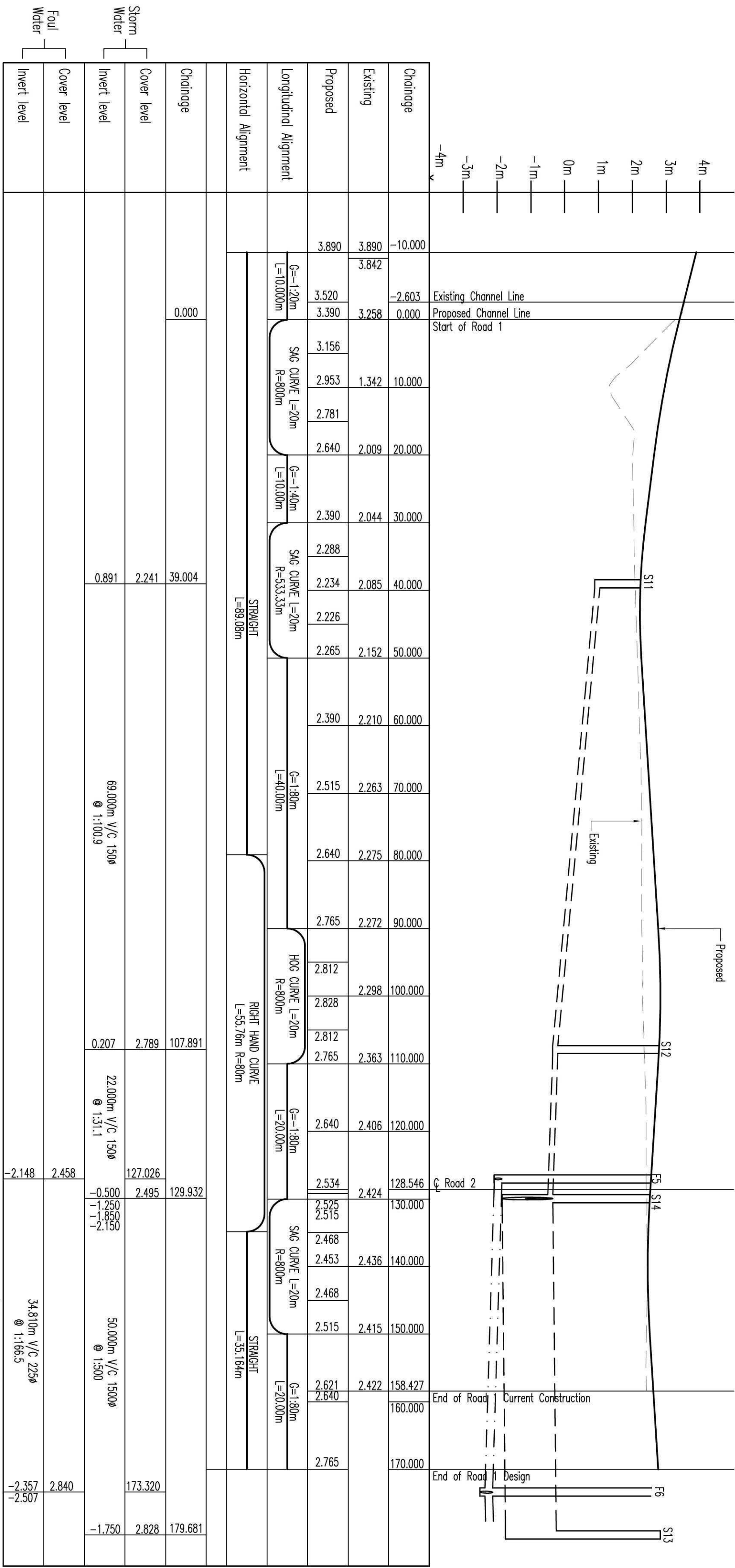
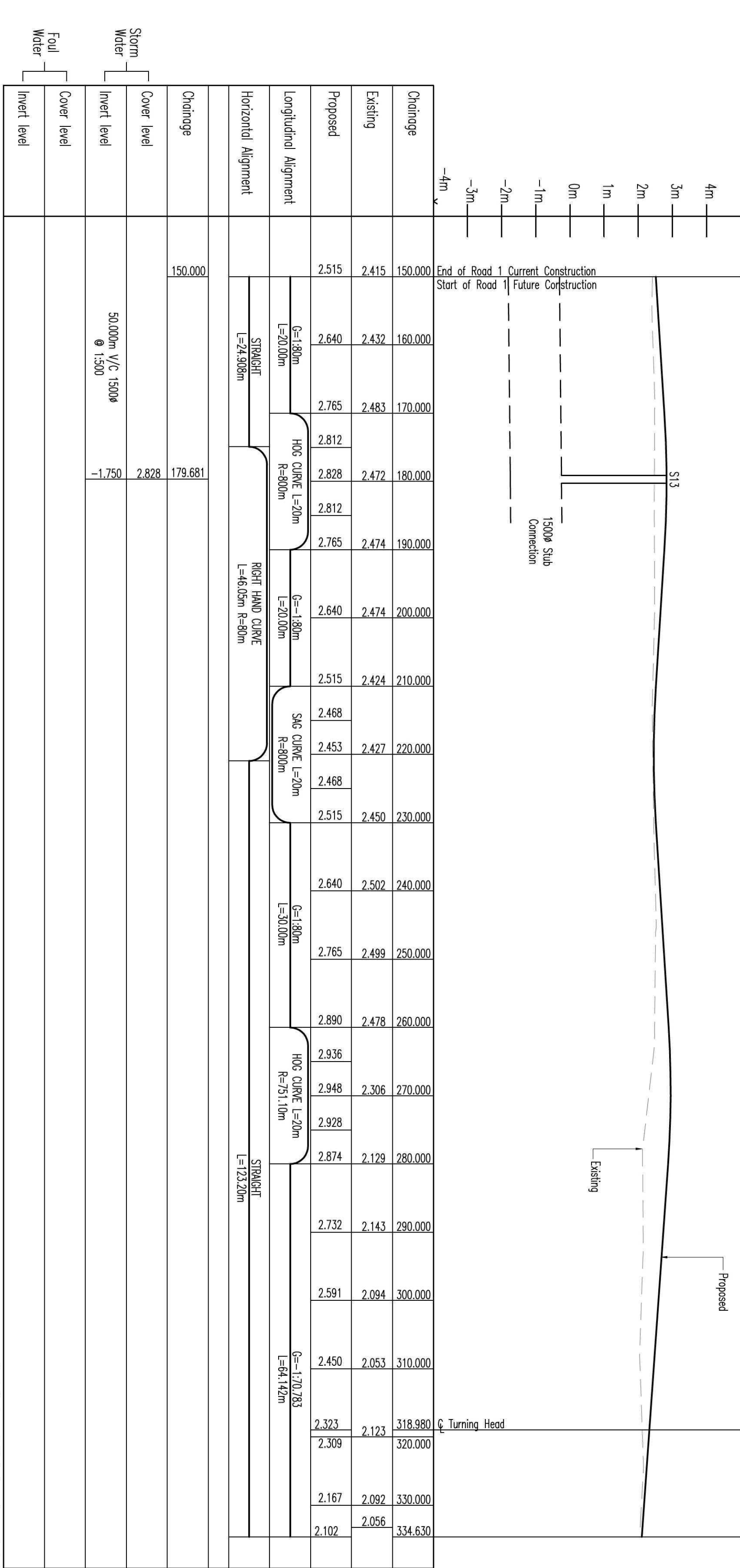


- General Drainage Installation Notes
1. All sewers shall be constructed using a clear opening of 600mm and shall be Class B400 BS EN 124 with 150mm deep frames in highways.
 2. Filled ground must be filled and consolidated before any sewer works are carried out.
 3. All concrete pipes to BS EN 1916 Class 120.
 4. The proposed sewer shall be constructed using the clear opening of the Kitemarked product, is different to that of the cover and frame, a leading bearing slab should be filled above the cover slab to bring the size down to 600x675mm.
 5. The sewer must have a minimum of 1m and manholes 0.5m from kerb.
 6. Sewers must have 5 metres clearance from trees and hedgerows. (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 12m in height) and verges (or less than 900mm in more rural access areas) then a concrete slab should be provided above the granular bed and over the sewer.
 8. All sewers to be BS Kitemark (certified to MS 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
 11. Plastic channel sections in manholes are not acceptable, it is preferred that clay were channels are used in manholes, it has been found that satisfactory finish cannot be obtained on the bedding.
 12. The bedding and backfill material to be used in the connection in them may need to be increased an increment to accommodate the connections and berms.
 13. Surface water and foul rising mains to be provided with marker tape.
 14. Sewer pipe shall run to be a min. 450mm diameter for 1000mm foul & 150mm surface water pipes up to 1.2m deep. For depths greater than 1.2m, restricted access opening to 350mm is required for safety reasons, depth of excavation shall be to be 2m, where depth exceeds 2m, manhole to be constructed as type B manhole.
 15. 2m, manhole to be constructed as type B manhole.
 16. Sulphate resistant cement (C20-C22) and precast concrete products must be used or a laboratory report provided that such precautions are not necessary.



Road 1 (Current Construction)



v/c indicates vitrified clay pipe material

1	10/13/08	1	Revised to add layout changes	ARP
2	10/17/08	10	Issued for information	ARP
Rev	By	Date	Revision	Chk



TITLE
LONG SECTIONS
(SHEET 1 of 4)

PROJECT
CLAY LAKE
SPALDING

CLIENT
ASHLEY KING
DEVELOPMENTS

Scale	Date	Drawn
1:100 v 1:500 H	Aug-10	ARP
Dwg. No.	1034/01/03.01	Rev A