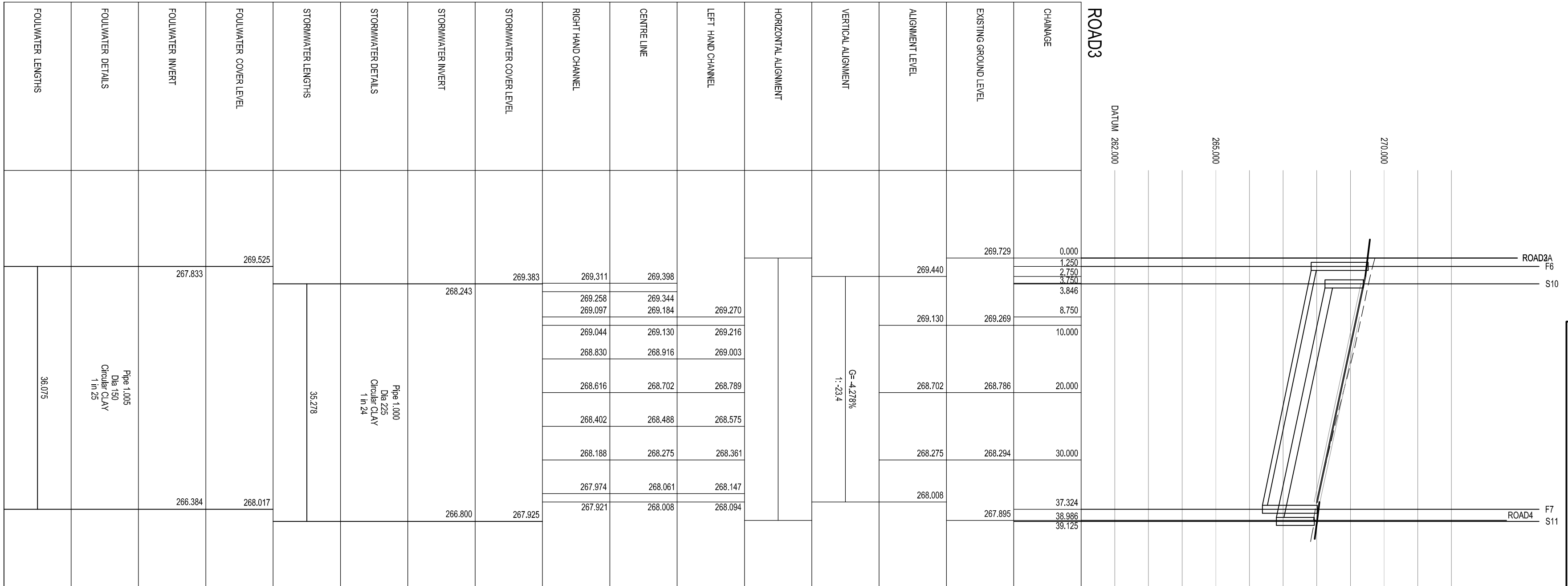
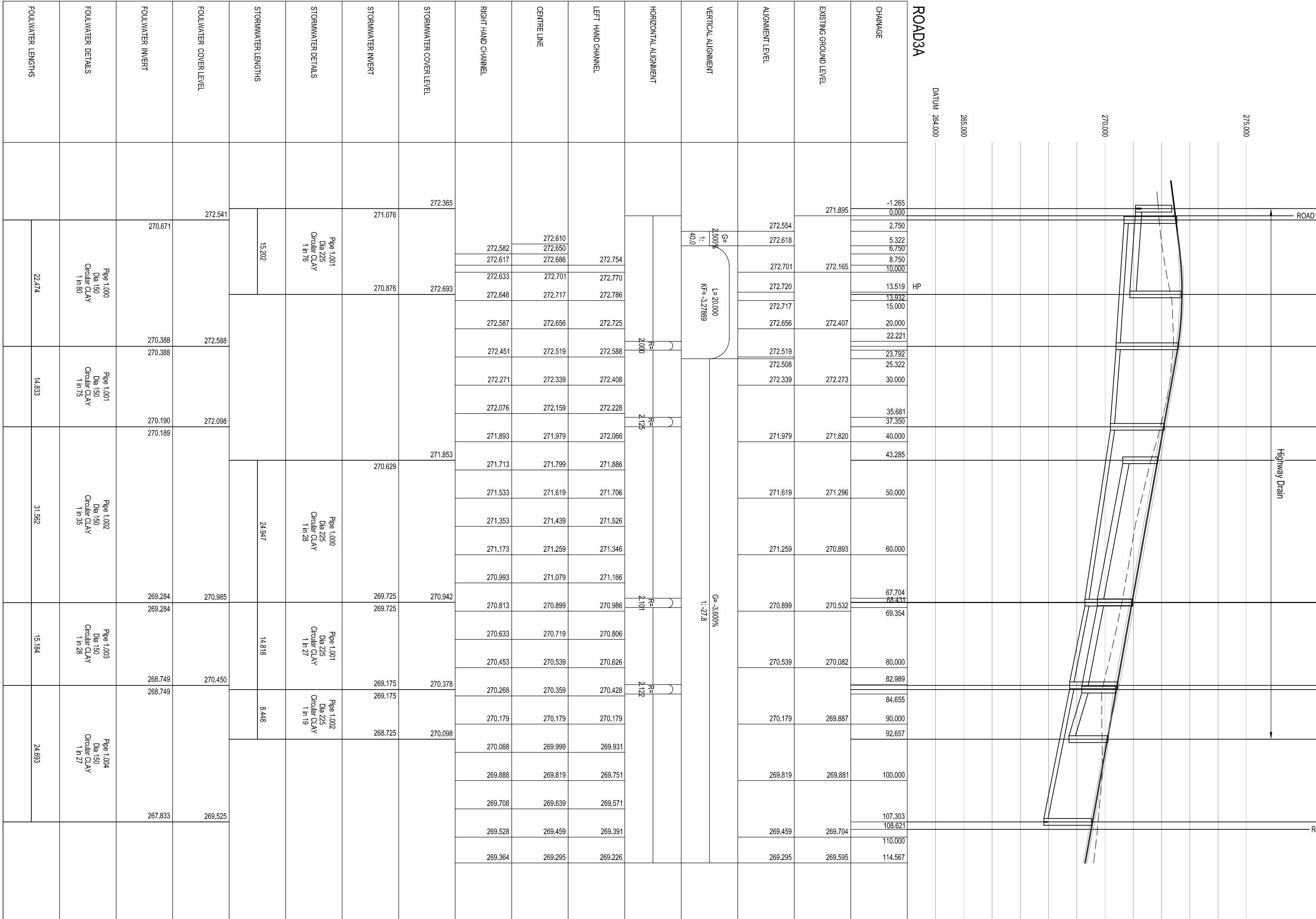
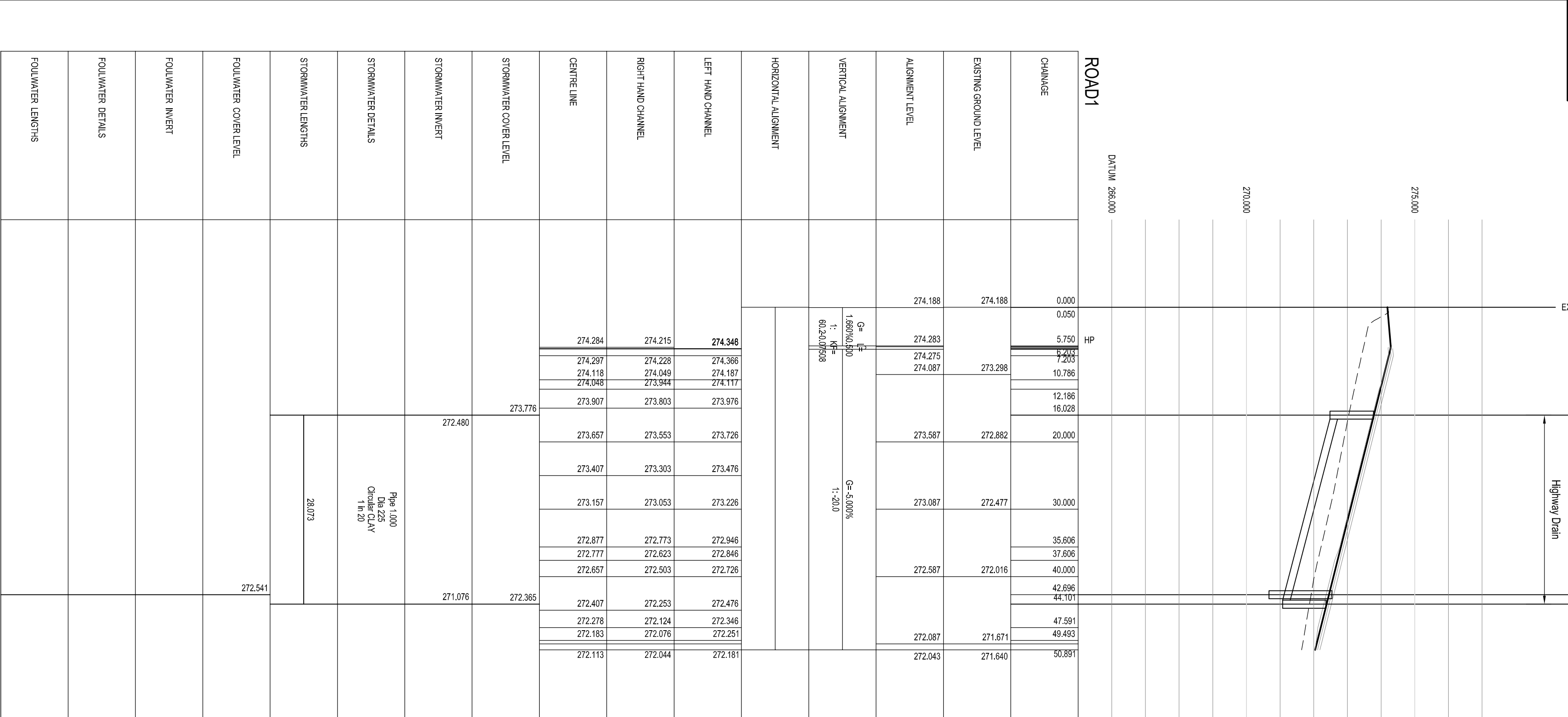




- NOTES
1. All pipes shall be either:
A - Vitrified clay to BS EN 335 with a minimum crushing strength as follows:
150 dia - 40 N/m²
225 dia - 45 N/m²
300 dia - 72 N/m²
B - PVC (certified to MS 454/1 & BS EN 13476)
C - Class 70 concrete to BS 5911-1:2002/EN 1916.
2. All pipes should always connect with a stiff unless noted otherwise.
3. All sewers to have BS1 Manuka status (certified to MS 454/1 & BS EN 13476). Maximum pipe length to be 3m.
4. Plastic channel sections if members are not acceptable. Only channel sections shall be used.
5. Manhole covers shall have a clear opening of 600mm and shall be class D400 to BS EN 124 with 150 deep frames in highways. Covers to have doored viewways and are to be bedded on steel plates with 13mm reinforcement.
6. Pipes meeting manholes and road gullies shall have a flange joint within 600mm of the inside the manhole or gully jointing with a short flexible pipe.
7. The acceptable sewer shall be a minimum of 1m and manholes 0.5m from kerb lines and service manholes.
8. Sewers must have 5m clearance from trees and houses (refer to Figure 2.2 page 33 in 'Sewers for Adoption' Edition for residential on-line planning adjacent to sewers).
9. All trenches in rock and paved areas shall be bedded with Type 1 DOT granular sub-base material or other granular material approved by the highway authority.
10. Filled ground must be filled and consolidated under the supervision and to the satisfaction of Yorkshire Water before any sewer works are carried out.
11. All manhole concrete to be designed and constructed in accordance with BS 5951-1 unless agreed otherwise.
12. The invert level at the proposed points of connection to existing public sewers shall be checked before any new drains are constructed. Any variation to the level shown on the drawing shall be notified to Eastwood & Partners.

13. The diameter size of manholes with more than one connection in them may need to be increased by an increment to accommodate the connections and blocks.
14. Cover levels are indicative only. Covers to be set to suit camber/gradients, existing and proposed roads.
15. Cover slabs must carry the BS1 Manuka or will be rejected by the Yorkshire Water Inspector. When the clear opening of the Manuka product is different to the size of the cover and frame, a load bearing slab should be filled above the cover slab to bring the size down to 600mm. Refer to CP44 Technical Bulletin issued autumn 2004 for alternative cover slab opening sizes.
16. Vitrified water pipe is not to accept Type 'C' brick manholes and 150mm manhole rings. Instead use Type 'B' manhole with 200mm or 150mm rings with the opening shed over the normal where depth of cover to pipe soles is 1.2m.
17. All adoptable sewer works and materials to be in accordance with Sewers for Adoption 5th Edition, the relevant British/European standards and in accordance to the mechanical and electrical specification and be referenced.
18. Yorkshire Water is not obliged to accept land drainage run off into the public sewer network or acceptable drainage system (directly or indirectly). An alternative method of disposal of land drainage will therefore be required and you will have to liaise with the local authority land drainage section with regard to the disposal of land drainage.

MILLER HOMES

CROSS LANE, SCHOLES

LONG SECTIONS - SHEET 1

Eastwood & Partners

CONSULTING ENGINEERS

S11 9AS

23 Kingfield Road

Sherfield

Tel 0114 255 4554

Fax 0114 255 4330

mail@eastwoodandpartners.com

www.eastwoodandpartners.com

SCALE WHEN PLOTTED AT 1:100V 1:500 H

1:100V 1:500 H

APPROVAL

DRAWN

CHECKED

DATE

DRAWING NUMBER

REV

RJ

CH

11.04.17

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