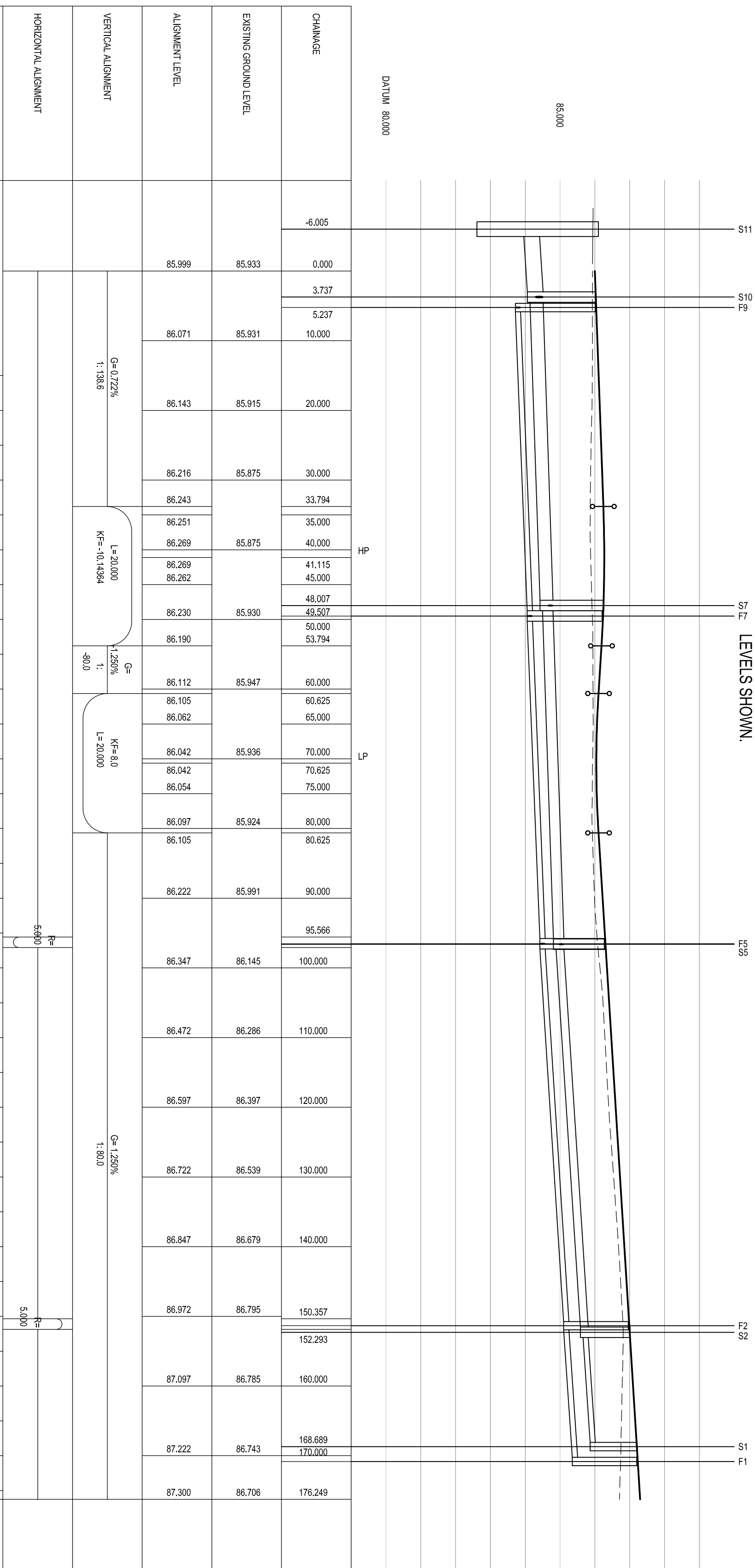
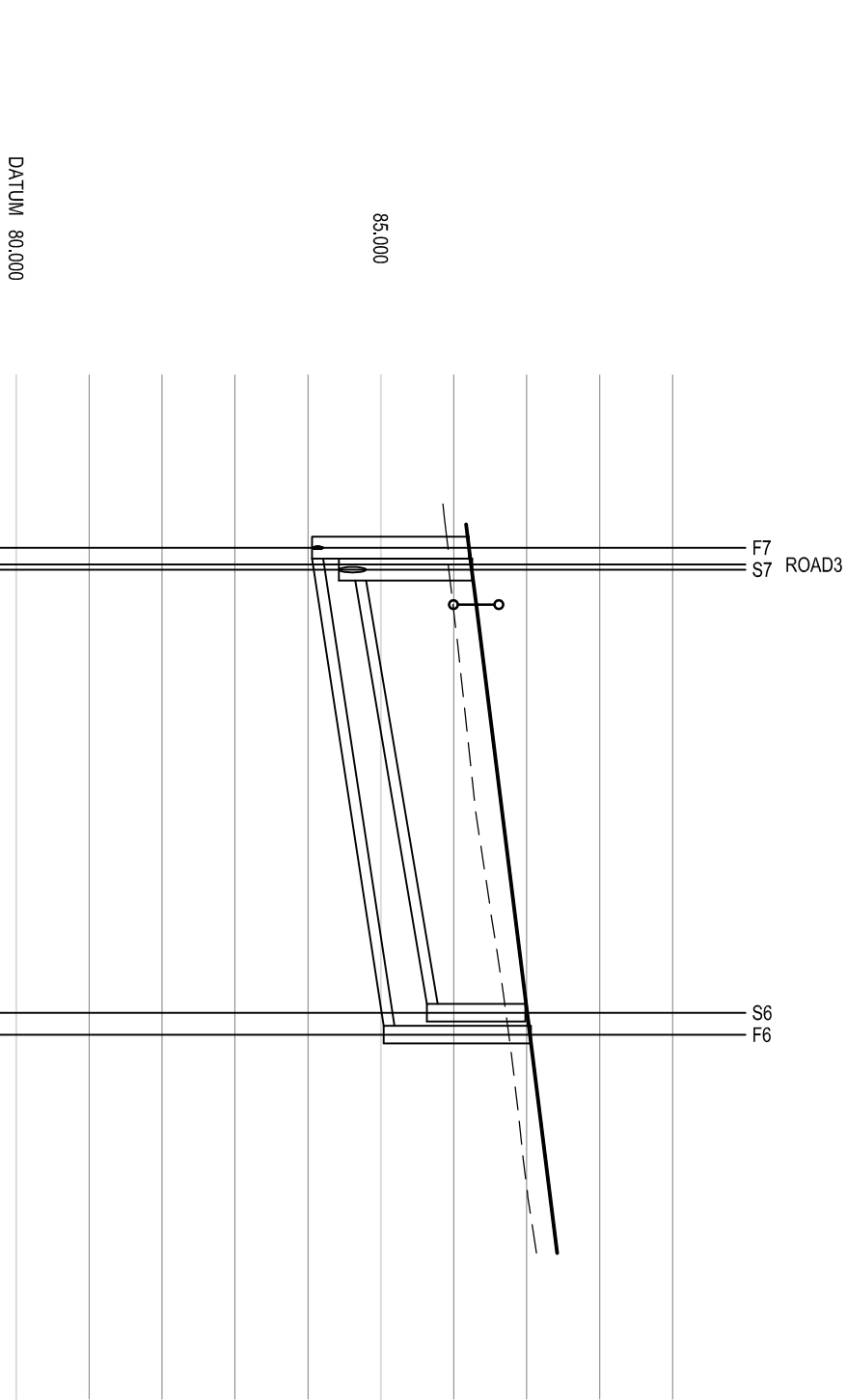


NOTE
FINISHED LEVELS IN SHARED SURFACE
AREAS ARE TO BE +75mm HIGHER THAN
LEVELS SHOWN.

[illegible]

CHANNEL			+1.155	
			2.750	
			4.750	
			10.000	
			20.000	
			30.720	
EXISTING GROUND LEVEL		85.924		
ALIGNMENT LEVEL		86.307		
		86.489		
		86.739		
		86.989		
		87.239		
		87.418		
VERTICAL ALIGNMENT			C=+2.500%	
			1:40.0	
HORIZONTAL ALIGNMENT				
LEFT HAND CHANNEL			86.289	
			86.295	
RIGHT HAND CHANNEL			86.426	
			86.557	
CENTRE LINE			86.614	
			86.602	
			86.670	
			86.932	
			87.057	
			87.114	
STORMWATER COVER LEVEL		86.255		
			86.981	
STORMWATER INVERT		84.648		
			85.631	
STORMWATER DETAILS		Pipe 3,100 Dia 150 Circular Plastic 1 in 31		
STORMWATER LENGTHS			30.375	
FOULWATER COVER LEVEL		86.206		
			87.056	
FOULWATER INVERT		84.058		
			85.037	
FOULWATER DETAILS		Pipe 3,100 Dia 150 Circular Plastic 1 in 31		
FOULWATER LENGTHS			33.375	

NOTES				REV	DESCRIPTION	SIG	CHK	DATE
1. All pipes shall be either: A - Vitrified clay to BS EN 252 with a minimum crushing strength as below:- 150 dia. - 40 N/mm ² 225 dia. - 45 N/mm ² 300 dia. - 72 N/mm ² B - PVC (certified to MS 45454) C - Class 12 concrete to BS 5911-1:2002EN 1916. 2. All pipes should always connect safely to existing works otherwise. 3. All sewers to have BS1 Materials status (certified to MS 45454 & BS EN 13476). Maximum pipe length to be 3m. 4. Plastic channel sections in manholes are not acceptable. Drip channel sections shall be used. 5. Manholes covers shall have a clear opening of 600mm and shall be class B400 to BS EN 124 with 150 square frames in highways. Covers to have double flangings and are to be bedded on steel slabs with 1:3 mortar haunching. 6. Pipes entering manholes and road gullies shall have a flexible joint with 600 of the inside the manhole or gully, joining with a short bedded pipe. 7. The adoptable sewers should be a minimum of 1m and manholes 1.5m from kerb tops and service manholes. 8. Sewers must have an clearance from trees and hedges (refer to Figure 2.21 page 33 in "Sewers for Adoption" 8th Edition for restrictions on tree planting adjacent to sewers). 9. All trenches in rock and gravel areas shall be backfilled with Type 1 MOT granular sub-base material, or other granular material approved by the highway authority. 10. Field 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 fields concrete to be adopted must F4002 BS 5500-1, unless agreed otherwise. 12. The next level at the proposed point of connection to existing public sewers shall be checked before any new drains are constructed. Any variation to the levels shown on the drawing shall be notified to Eastwood & Partners. 13. The chamber size of manholes with more than one connection in them may need to be increased by an amount to accommodate the connections and bends. 14. Cover levels are indicative only. Covers to be set to suit camber/gradient of existing and proposed roads. 15. Cover slabs and cover the BS1 (marked) or will be selected by the Yorkshire Water Engineer. Where the clear opening of the fabricated product is different to that of the cover and frame, a lead bearing slab should be fitted above the cover slab to bring the size down to 600x600, refer to CPSE4 Technical Bulletin issued autumn 2004 for fabricated cover slab opening sizes. 16. Yorkshire Water policy is not to accept Type "C" duct manholes and 1050mm manhole rings, instead use Type "B" manholes with a minimum of 200mm of 150mm rings, with the opening laid over the current where depth of cover to pipe is 1.5m or less. 17. All adoptable sewer works and materials to be in accordance with Sewers for Adoption 8th Edition, the relevant British/European standards/requirements in addition to the mechanical and electrical specification and to 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 (see land drainage section with regard to the disposal of land drainage.				A	First Issue.			
MILLER HOMES								
HONEYWELL LANE, BARNSELEY								
SCALE WHEN PLOTTED AT A1 1:100H 1:500 V								
DRAWING STATUS PRELIMINARY								
DRAWING NUMBER 38903/017								
REV A								
Eastwood & Partners CONSULTING ENGINEERS St Andrew's House 25 Kingfield Road Sheffield S11 9AS Tel 0114 235 4554 Fax 0114 235 4330 mail@eastwoodpartners.com www.eastwoodpartners.com								