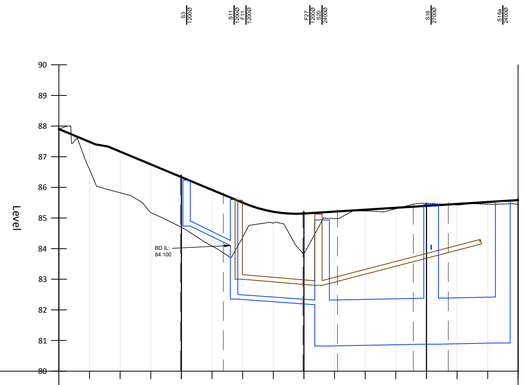
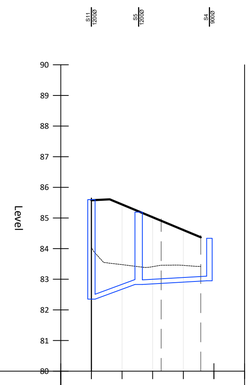
YW Ref:- H-3-263-560

Do Not Scale



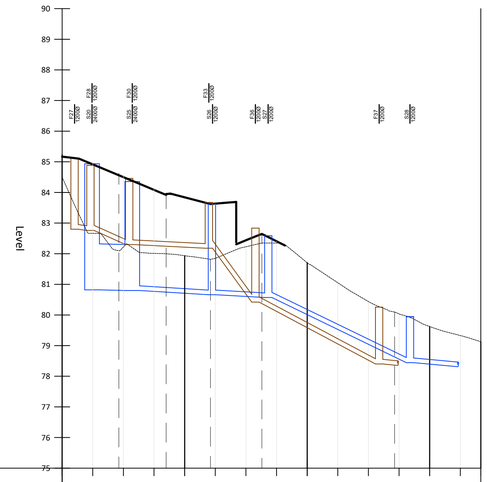
Chainage	0.000	5.000	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	55.000	60.000	65.000	70.000	74.086
Existing Levels	87.362	86.578	85.823	85.178	84.084	84.084	84.371	84.836	83.862	84.983	85.230	85.301	85.460	85.425	85.451	85.125
Proposed Levels	87.400	87.486	87.166	86.720	86.333	85.916	85.500	85.203	85.146	85.208	85.271	85.333	85.396	85.458	85.521	85.583
Left Channel Elevation	87.403	87.417	87.008	86.681	86.294	85.848	85.431	85.134	85.077	85.139	85.202	85.264	85.327	85.389	85.452	85.514
Right Channel Elevation	87.403	87.664	87.255	86.819	86.402	85.985	85.569	85.272	85.214	85.277	85.339	85.402	85.464	85.527	85.589	85.651
Horizontal Geometry		L =19.824			L =7.023		L =12.981		L =5.643	L =12.383			L =5.712		L =11.386	
Vertical Geometry		G =-1.12 L =0.320	G =-1.129 L =3.000		G =-1.12 L =22.000		R =104.351 K =1.044 L =10.000		G =1.90 L =34.952							
Suface Water Cover Level						86.235		85.651		84.835				85.442		85.532
Surface Water Invert Level						84.736		82.350		82.820				82.880		82.930
Surface Water Pipe Details							7.798m 150Ø @ 1:12 VC Class S Bed and Surround		16.748m 150Ø @ 1:60 VC Class S Bed and Surround		16.748m 150Ø @ 1:344 Concrete Class S Bed and Surround		16.748m 150Ø @ 1:300 CONC Class S Bed and Surround			
Foul Water Cover Level								85.578		85.125						
Foul Water Invert Level								83.000		82.800						
Foul Water Pipe Details								13.721m 150Ø @ 1:68 VC Class S Bed and Surround								

Road 1 Longsection - Scale H:1:500 V: 1:100



Chainage	0.000	5.000	10.000	15.000	20.000
Existing Levels	85.578	85.442	85.025	84.688	
Proposed Levels	84.039	83.477	83.410	83.653	
Left Channel Elevation	85.647	85.510	85.094	84.677	
Right Channel Elevation	85.509	85.373	84.956	84.540	
Horizontal Geometry			L =11.385	L =6.466	
Vertical Geometry			G =1.90 L =7.966	G =-1.12 L =14.534	
Suface Water Cover Level		85.601		85.191	84.336
Surface Water Invert Level		82.350		82.830	82.950
Surface Water Pipe Details			6.964m 150Ø @ 1:14 VC Class S Bed and Surround	7.711m 150Ø @ 1:96 VC Class S Bed and Surround	

Road 2 Longsection - Scale H:1:500 V: 1:100



Chainage	0.000	5.000	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	55.000	60.000	65.000	69.000
Existing Levels	81.495	82.665	82.219	82.010	81.934	81.947	82.227	82.348	81.705	81.051	80.439	80.059	79.623	79.329	79.125
Proposed Levels	85.169	84.916	84.500	84.083	83.841	83.634	82.440	82.406							
Left Channel Elevation	85.169	84.985	84.568	84.152											
Right Channel Elevation	85.169	84.848	84.431	84.014											
Horizontal Geometry		L =9.258		L =7.717		L =7.235		L =8.395		L =21.663			L =14.081		
Vertical Geometry		G =1.43 L =2.000		G =-1.43 L =14.237											
Suface Water Cover Level		84.655		84.354		83.929		82.987					79.944		
Surface Water Invert Level		83.820		83.800		83.662		83.370					79.444		
Surface Water Pipe Details			6.964m 150Ø @ 1:16 Concrete Class S Bed and Surround		13.025m 150Ø @ 1:94 VC Class S Bed and Surround		9.200m 150Ø @ 1:100 VC Class S Bed and Surround		20.200m 150Ø @ 1:10 VC Class S Bed and Surround						
Foul Water Cover Level		85.125	84.687		83.485		83.673		82.836				80.258		
Foul Water Invert Level		82.820	82.760		82.300		82.780		80.420				78.460		
Foul Water Pipe Details	3.312m 150Ø @ 1:83 VC Class S Bed and Surround		4.8m 150Ø @ 1:10 VC Class S Bed and Surround		13m 150Ø @ 1:108 VC Class S Bed and Surround		7.6m 150Ø @ 1:4 VC Class S Bed and Surround		20.2m 150Ø @ 1:10 VC Class S Bed and Surround						

Alignment - (Road 3 Drainage) Longsection - Scale H:1:500 V: 1:100

DESIGN REVIEW

Design review by:		Checked by:	

Residual hazards:

1. For general notes refer to drawing 002.

DRAWING NOTES

Health, Safety & Environmental Notes

All Adoptable pipe work < 300 to be Clay, > 300 to be Concrete. With the strengths shown bellow:

Clay Pipe Min Strengths
100mm dia 40KN/m
150mm dia 40KN/m
225mm dia 45KN/m
300mm dia 72KN/m

Concrete Pipe Min Strengths all diameters to be class 120 (54KN/m)

Date	Revision	By	Chkd	Rev
29.09.17	Yorkshire Water Reference added	JR	CB	P3
27.06.16	Updated to suit comments from Barnsley Highways	JR	CB	P2
11.05.16	Initial Issue	JR	CB	P1

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Project
Hill End Road, Mapplewell

Title
Highway Longsections

Client
ESH Property Services

Scale @ A1	Drawn	Checked
1:500	JR	CB
Date: May 2016	Status: Preliminary	
Drg. No. 00.15021/145	Rev. P3	

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