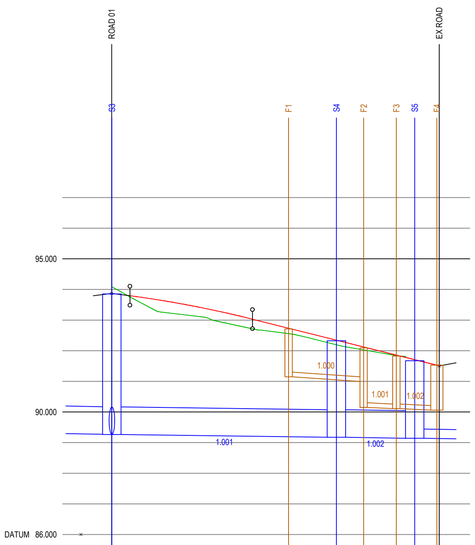


ROAD 01

CHAINAGE	0.000	10.000	11.750	20.000	23.000
	2.708	1.254	20.969	23.000	
EXISTING GROUND LEVEL	93.578	94.060		94.380	94.397
ALIGNMENT LEVEL	93.517	93.817		94.117	94.222
VERTICAL ALIGNMENT	G= 3.000% 1: 33.3				
HORIZONTAL ALIGNMENT					
LEFT HAND CHANNEL	93.445	93.592	93.742	93.892	94.042	94.144
RIGHT HAND CHANNEL	93.445	93.592	93.742	93.892	94.042	94.144
STORMWATER COVER LEVEL	CL 93.597	IL 89.287 CL 93.864 IL 89.266		IL 89.271 CL 93.595 IL 89.252	
STORMWATER DETAILS		Pipe 2.002 Dia 900 Circular CLAY 1 in 407 8.546		Pipe 1.000 Dia 900 Circular CLAY 1 in 406 9.735	



ROAD 02

CHAINAGE	0.000	3.000	5.000	8.000	15.000	20.000	23.000	29.000	36.695	40.000	46.066	47.938	50.000	53.468
	0.038			4.000				28.869		41.039	46.474	46.813	50.000	53.097
EXISTING GROUND LEVEL	94.096			93.218		92.845		92.526		92.067				
ALIGNMENT LEVEL	93.794	93.759	93.560	93.392	93.174	93.029		92.679		92.179		91.679	91.506	
VERTICAL ALIGNMENT			L= 20.000 KF= -8.51789				G= -5.000% 1: -20.0							
HORIZONTAL ALIGNMENT														
LEFT HAND CHANNEL	93.545 93.545		93.323	93.105	92.861	92.611	92.361		92.111		91.861 91.860	91.733		
RIGHT HAND CHANNEL	93.545 93.545		93.323	93.105	92.861	92.611	92.361		92.111		91.861 91.860			
STORMWATER COVER LEVEL	CL 93.864	IL 89.266				CL 92.324 IL 89.174			IL 89.174		CL 91.972 IL 89.172			
STORMWATER DETAILS		Pipe 1.001 Dia 900 Circular CLAY 1 in 398 36.659			91.150				CL 91.957 IL 89.157 Pipe 1.002 Dia 900 Circular CLAY 1 in 400 12.796			91.110		90.960
FOULWATER COVER LEVEL					92.711				92.091		91.824		91.528	
FOULWATER DETAILS					Pipe 1.000 Dia 150 Circular CLAY 1 in 80 12.251				Pipe 1.001 Dia 150 Circular CLAY 1 in 135 5.339		Pipe 1.002 Dia 150 Circular CLAY 1 in 134 6.716			

GENERAL NOTES

1. SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.
2. ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 6TH EDITION AND UNITED UTILITIES DETAILS & GUIDELINES.
3. THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADOPTABLE HIGHWAYS SHALL BE 150mm
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARDS TO EXISTING SERVICES AND DRAINAGE CONNECTIONS ETC. PRIOR TO COMMENCING THE WORKS. THE RATES SHALL INCLUDE FOR HAND DIG AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE CDM REGULATIONS AT ALL TIMES
5. THE OUTSIDES OF ALL SEWERS SHALL BE A MINIMUM OF 1.0m FROM KERB LINES AND THE OUTSIDE OF MANHOLES SHALL BE A MINIMUM OF 0.5m FROM KERB LINES
6. EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES
7. ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES
8. ALL METERIALS TO BEAR THE RELEVANT B.S. KITEMARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT (UNLESS THE SITE INVESTIGATION REPORT PROVES THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR TO WITHSTAND A CLASS
9. ALL OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS. ALL WORKS ARE TO BE INSPECTED BY L.A., NHBC OR THE NETWORK OPERATOR AS APPLICABLE.
10. WHERE "ULTRA RIB" UPVC PIPES (OR SIMILAR APPROVED) ARE USED IN ADOPTABLE DRAINAGE THEY SHALL STILL BE HANDLED AND LAID IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION.
11. A CLASS S BED AND SURROUND MUST BE USED FOR SUCH PIPES. TRENCH BACKFILL IN HIGHWAYS TO WITHIN 1M OF HIGHWAY SHALL, AS DIRECTED BY THE HIGHWAY AUTHORITY BE A SUITABLE GRANULAR MATERIAL ALL IN ACCORDANCE WITH SEWERS FOR ADOPTION CL. 4.3.4.
12. SLAB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE
13. DOMESTIC DRAINAGE SHALL BE TO BUILDING REGULATIONS APPROVED DOCUMENT H. 110mm U.P.V.C. PIPES LAID TO THE FOLLOWING MINIMUM FALLS UNLESS OTHERWISE SHOWN.

	FOUL	S.W.
HEAD RUN	1 IN 40	1 IN 60
ELSEWHERE	1 IN 80	1 IN 100

14. ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE
15. MINIMUM COVER TO DRAINAGE SOFFIT LEVEL;

LANDSCAPING	TRAFFICKED AREAS	HIGHWAYS
0.600m	0.900m	1.200m

- CLASS 'S' BEDDING AND SURROUND TO BE USED WHERE MINIMUM COVER IS ACHIEVED.
- WHERE MINIMUM COVER IS NOT ACHIEVED CLASS 'Z' BEDDING AND SURROUND (CONCRETE ENCASEMENT) IS TO BE USED.

ALL WORKS TO BE IN ACCORDANCE WITH KIRKLEES COUNCIL STANDARD DETAILS AND AS AGREED WITH THE COUNCIL APPOINTED REPRESENTATIVE

ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 6TH EDITION AND UNITED UTILITIES DETAILS & GUIDELINES.

ALL ADOPTABLE MAIN DRAINAGE IS TO BE SUBJECT TO A SECTION 104 AGREEMENT BETWEEN THE DEVELOPER AND UNITED UTILITIES

PRELIMINARY SUBJECT TO S38 & S278 APPROVAL

REV	DATE	DESCRIPTION	BY	CHK	APP
P05	12.06.2026	UPDATED TO SUIT LATEST ARCHITECTS LAYOUT	LS	KOB	KOB
P04	05.09.2025	UPDATED TO SUIT LATEST ARCHITECTS LAYOUT	LS	KOB	KOB
P03	18.02.2025	LEVELS UPDATED FOLLOWING EXISTING CULVERT SURVEY	LS	KOB	KOB
P02	10.02.2025	LEVELS UPDATED FOLLOWING EXISTING CULVERT SURVEY	LS	KOB	KOB
P01	11.04.2024	PRELIMINARY ISSUE	JLJ	KOB	KOB

DRAWING STATUS: **PRELIMINARY**

CLIENT: WESTSHIELD

ARCHITECT: BERNARD TAYLOR PARTNERSHIPS

PROJECT: DOWKER STREET, MILNESBRIDGE, HUDDERSFIELD

TITLE: S38 & S278 HIGHWAY LONGSECTIONS

STATUS:	PROJECT No.	PROJECT	ORIGINATOR	VOL/SYS	LEVEL	TYPE	ROLE	DRAWING No.	REV:
S2	223-043	DSH	AJP	XX	00	DR		C - 1520	P05

SCALE @ A1:	DESIGNED:	DRAWN:	CHECKED:	APPROVED:	DATE:
1:100 x 1:500	LS	LS	KOB	KOB	APR 2024

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