

NOTES

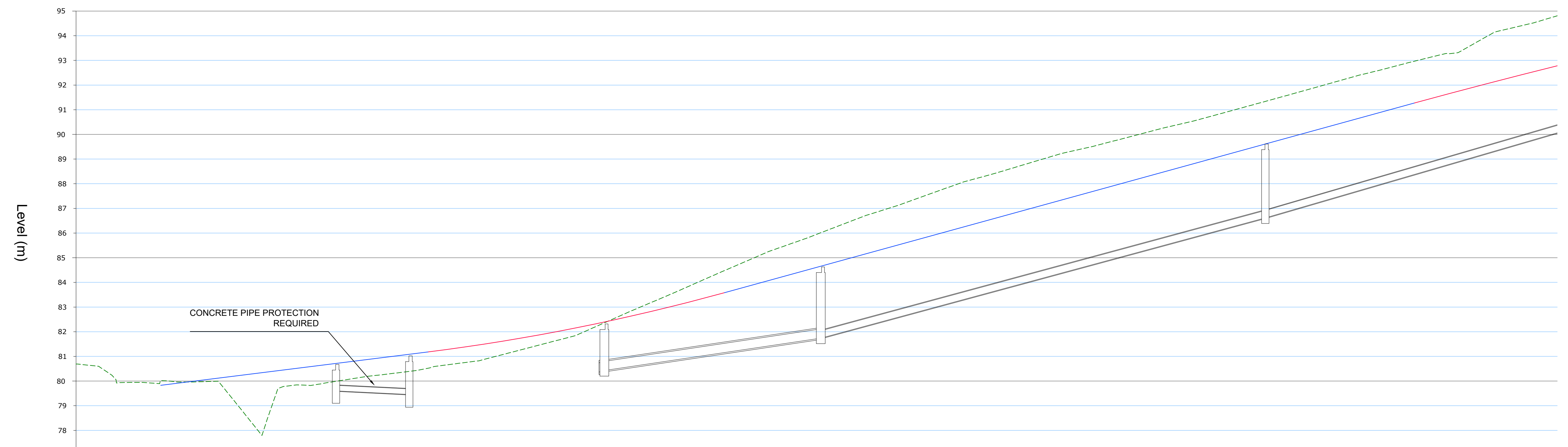
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS, ARCHITECTS AND SPECIALISTS DRAWINGS AND THE SPECIFICATION.
- DO NOT SCALE FROM THIS DRAWING MANUALLY OR ELECTRONICALLY. WRITTEN PERMISSION MUST BE OBTAINED FROM MLM PRIOR TO SCALING ELECTRONICALLY OR USING THIS ELECTRONIC FILE.

CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2015

DESIGNERS HAZARD INFORMATION FOR CONSTRUCTION

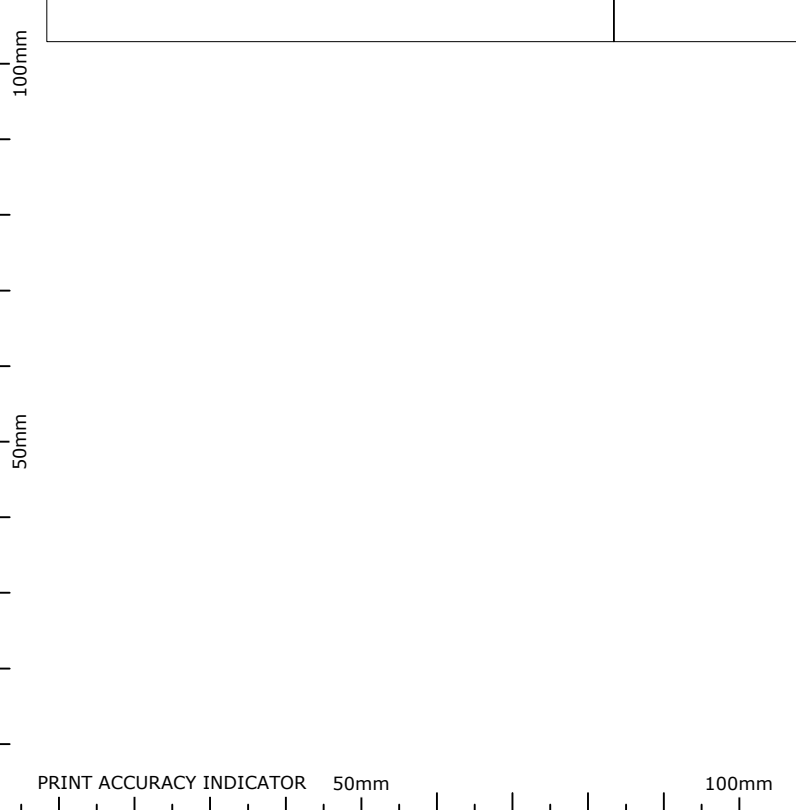
1. IF YOU DO NOT FULLY UNDERSTAND THE RISKS INVOLVED DURING THE CONSTRUCTION OF THE ITEMS INDICATED ON THIS DRAWING ASK YOUR MANAGER, HEALTH & SAFETY ADVISOR OR A MEMBER OF THE DESIGN TEAM BEFORE PROCEEDING.

THE ABOVE NOTES REFER SPECIFICALLY TO THE INFORMATION SHOWN ON THIS DRAWING.
REFER TO THE HEALTH AND SAFETY PLAN FOR FURTHER INFORMATION.



CHAINAGE	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	250.000	260.000	270.000	280.000	290.000	300.000	
EXISTING LEVELS	80.690	79.941	79.975	79.701	79.191	79.903	80.214	80.471	80.784	81.261	81.783	82.627	83.483	84.363	85.227	85.948	86.715	87.375	88.086	88.663	89.246	89.725	90.248	90.742	91.290	91.845	92.406	92.914	93.322	94.276	94.808	
PROPOSED LEVELS		79.829	79.900	80.150	80.400	80.900	81.150	81.184	81.419	81.737	82.159	82.524	82.983	83.524	84.061	85.161	85.711	86.261	86.811	87.912	88.462	89.012	89.562	90.662	91.212	91.754	92.277	92.779				
HORIZONTAL GEOMETRY	L = 24.690		R = 220.000 L = 114.058										R = 1125.000 L = 70.767						R = 1250.000 L = 73.694				R = 220.000 L = 105.749									
VERTICAL GEOMETRY	G = 2.500% L = 54.192				R = 1999.163 K = 19.992 L = 60.000						G = 5.501% L = 139.751						R = 5000.000 K = 50.000 L = 337.563															
STORMWATER COVER LEVEL					CL80.676	CL81.020			CL-1.623		CL82.318				CL84.628										CL89.811							
STORMWATER DETAILS					11.000 225mm DIA LENGTH 14.726m TYPE Vitrified Clay 1:101						10.006 375mm DIA LENGTH 9.037m TYPE ???			10.005 375mm DIA LENGTH 43.555m TYPE Concrete 1:33												10.003 300mm DIA LENGTH 66.519m TYPE Vitrified Clay 1:17						
STORMWATER INVERT LEVEL					US IL 79.60 DS IL 79.456						US IL 80.36 DS IL 80.425			US IL 80.42 DS IL 81.740												US IL 86.62 DS IL 90.485						
STORMWATER REFERENCE					SW-MH108	SW-MH109			SW-HW2		SW-MH106				SW-MH105										SW-MH104							

RELIEF ROAD (CH 0-300)
SCALE: H 1:500, V 1:100. DATUM: 77.000



T03	13.11.2019	PIPE PROTECTION NOTE ADDED	DS	DK	DK
T02	07.11.2019	DRAINAGE ADDED ONTO LONG SECTIONS	DS	DK	DK
T01	06.09.2019	STATUS AMENDED	DS	DK	DK
P02	16.01.2019	REVISED TO REFLECT VERTICAL ALIGNMENT AMENDMENTS	LB	RA	RA
P01	08.02.2018	FIRST ISSUE	LB	DK	DK
REV	DATE	REVISION	MADE	CHK	APP

DRAWING STATUS: **TENDER**

SUITABILITY DESCRIPTION: **SUITABLE FOR INFORMATION**

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MLM Group
Part of Sweco

CLIENT:

PROJECT: **NORTHWEST HAVERHILL RELIEF ROAD**

DRAWING TITLE: **PROPOSED LONG-SECTIONS SHEET 1 OF 6**

DRAWN/DESIGN	LB	MLM REF	STATUS	REVISION
SCALE	1:500 @A1	619132	S2	T03
PROJECT	ORIGINATOR	VOLUME/ SYSTEM/ LOCATIONS	LEVELS & TYPE	ROLE NUMBER
619132-MLM-ZZ-XX-DR-C-0021				