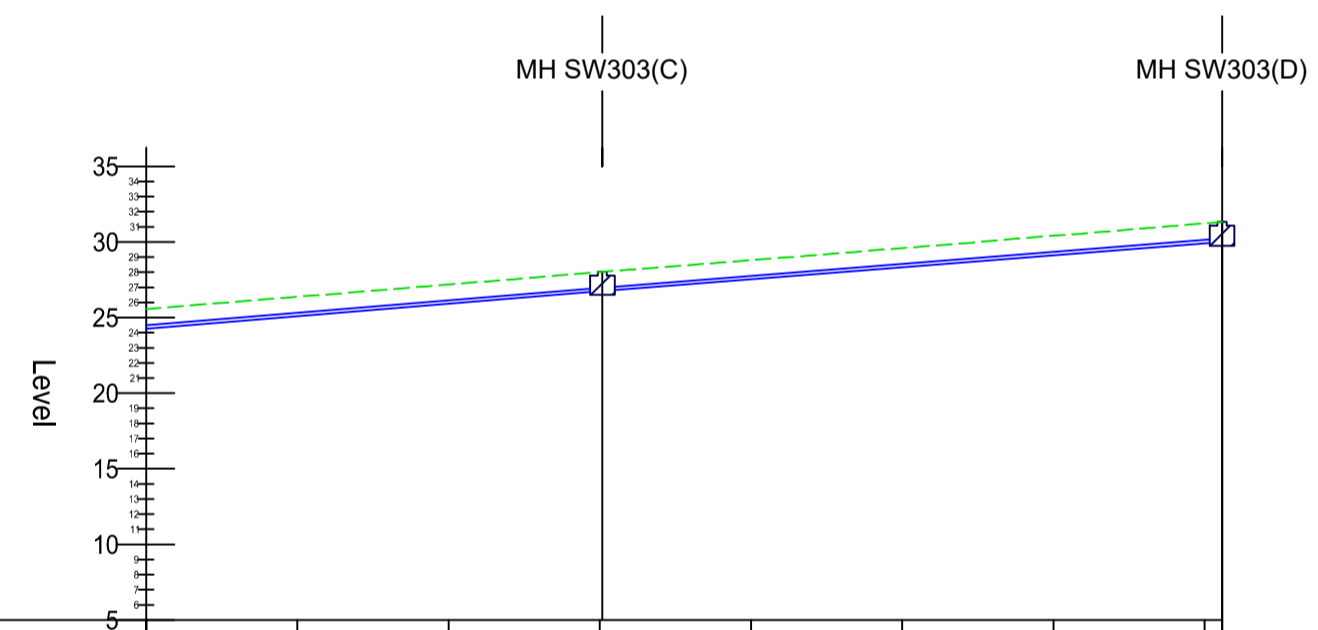


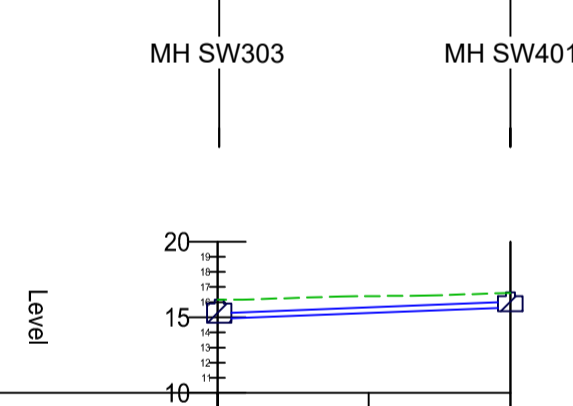
Chainage	00.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	250.000
Existing Ground Levels	10.946	11.481	12.075	12.615	13.176	13.742	14.204	14.748	15.299	15.846	16.364	16.891	17.437	17.964	18.520	19.112	19.679	20.229	20.779	21.313	21.869	22.492	23.193	23.985	24.759	25.565
Cover Level	10.946		12.207				13.916		14.986		16.161					19.004									23.962	
Invert Level	9.650		9.400				12.675		13.700		14.900					17.600									22.600	
Pipe Dia.		375mm		375mm			375mm		375mm			225mm				450mm				450mm					225mm	
Pipe Gradient		Slope -1:91 Length 22.76		Slope 1:10 Length 31.99			Slope 1:19 Length 19.73		Slope 1:18 Length 22.16			Slope 1:17 Length 51.37				Slope 1:14 Length 10.71				Slope 1:17 Length 71.46					Slope 1:12 Length 50.63	

LONG SECTION THROUGH SPINE ROAD  
SURFACE WATER DRAINAGE MANHOLES SW101 to SW303(B)  
HORZ SCALE 1:500; VERT SCALE 1:500



Chainage	250.000	260.000	270.000	280.000	290.000	300.000	310.000	320.000
Existing Ground Levels	25.565	26.376	27.194	28.015	28.799	29.593	30.409	31.228
Cover Level				28.029				31.322
Invert Level				26.750				30.000
Pipe Dia.		225mm			225mm			
Pipe Gradient		Slope 1:12 Length 50.63			Slope 1:13 Length 41.11			

LONG SECTION THROUGH SPINE ROAD  
SURFACE WATER DRAINAGE MANHOLES SW303(C) to SW303(D)  
HORZ SCALE 1:500; VERT SCALE 1:500



Chainage	00.000	10.000	19.359
Existing Ground Levels	16.164		16.943
Cover Level	16.161		16.649
Invert Level	14.900		15.650
Pipe Dia.		375mm	
Pipe Gradient		Slope -1:26 Length 19.27	

LONG SECTION THROUGH SPINE ROAD  
SURFACE WATER DRAINAGE MANHOLES SW303(C) to SW303(D)  
HORZ SCALE 1:500; VERT SCALE 1:500

Notes  
1. All dimensions are in metres unless noted otherwise.  
2. All levels are in metres unless noted otherwise.

Key to symbols  
- - - - - Proposed Ground Level  
————— Proposed Surface Water Drainage

Reference drawings	MMD-409577-C-DR-00-XX-1124 - Foul and Surface Water Drainage Layout - Overall MMD-409577-C-DR-00-XX-1125-1129 - Foul and Surface Water Drainage Layouts MMD-409577-C-DR-00-XX-1130 - Foul and Surface Water Drainage Manhole Schedules MMD-409577-C-DR-00-XX-1210 - Surface Water Sections - North Loch Drive MMD-409577-C-DR-00-XX-1211 - Surface Water Sections - Spine Road (Sheet 1 of 3) MMD-409577-C-DR-00-XX-1212 - Surface Water Sections - Spine Road (Sheet 2 of 3) MMD-409577-C-DR-00-XX-1213 - Surface Water Sections - Spine Road (Sheet 3 of 3) MMD-409577-C-DR-00-XX-1214 - Surface Water Sections - Upper and Lower Escarpment MMD-409577-C-DR-00-XX-1215 - Surface Water Sections - Upper and Lower SUDS Areas
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P1	02:21	EW	Preliminary Issue	JM	KB
Rev	Date	Drawn	Description	Ch'kd	App'd

**MOTT MACDONALD**  
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2 Harbour Street  
Lerwick  
Shetland  
ZE1 0LR

Title  
**Proposed Housing at Staneyhill, Lerwick**  
Work Stream 1 - Civils Infrastructure  
**Long Sections Through The Spine Road**  
Surface Water Drainage (Sheet 1 of 3)

Designed	P Richardson	PR	Eng check	J Moncrieff	JM
Drawn	E Wishart	EW	Coordination	J Moncrieff	JM
Dwg check	J Moncrieff	JM	Approved	K Burnett	KB
Scale at A1	Status	Rev	Security		
1:500	PRE	P1	STD		

Drawing Number  
**MMD-409577-C-DR-00-XX-1211**

