Drainage Plan 1/1250

Proposed Drainage Plan 1/250

Foul Inspection Chamber	Cover Level	Invert Level	Distance between chambers	Gradient
FIC 1	133.00	132.00	Existing	
FIC 2	133.00	132.15	9.100	1/60
FIC 2.1	133.50	132.30	11.000	1/73
FIC 2.2	133.50	132.40	4.600	1/46
FIC 3	133.00	132.20	2.000	1/40
FIC 3.1	133.50	132.35	8.900	1/59
FIC 3.2	133.50	132.45	4.500	1/45
FIC 4	133.00	132.40	12.000	1/60
FIC 4.1	133.50	132.55	8.000	1/53
FIC 4.2	133.50	132.65	4.500	1/45
FIC 5	133.00	132.60	13.500	1/68
FIC 5.1	133.50	132.75	8.600	1/57
FIC 5.2	133.50	132.90	4.000	1/26
FIC 5.3	133.50	133.00	4.500	1/45
FIC 6	133.50	132.70	3.000	1/60
FIC 7	134.05	133.00	19.500	1/65
FIC 7.1	134.85	133.50	11.000	1/22
FIC 7.2	134.85	134.00	17.200	1/17
FIC 7.3	134.85	134.30	6.300	1/21
Surface Inspection Chamber	**Cover Level**	**Invert Level**	**Distance between chambers**	**Gradient**
SIC 1	134.40	134.00		
SIC 2	133.00	132.60		
SIC 2.1	133.50	132.90	18.800	1/62
SIC 3	133.00	132.60		
SIC 3.1	133.50	132.80	15.500	1/77
SIC 4	133.00	132.60		
SIC 4.1	133.50	132.90	17.000	1/57
SIC 5	133.00	132.60		
SIC 5.1	133.50	132.90	19.000	1/63
RSIC 1	133.75	133.80		
RSIC 2	133.90	133.80	10.200	1/51
RSIC 3	134.05	134.00	9.200	1/61
RSIC 4	134.65	134.15	13.600	1/68
RSIC 5	134.85	134.35		

Drainage

Below ground

Provide new drains to connect into the existing combined sewer system. All new underground drainage in 110 dia Marley up drainage pipes and fittings, or equal approved, to B.S. 4660: 2000 and installed in accordance with BS 5572: 1978 and B.S. 5955: 1980 to minimum fall of 1/60,

Bedding (pea gravel) and protection (concrete encasement) to shallow pipework or below traffic loadings to be confirmed on site with Building Control, all gullies to be trapped and rodable. Where passing through walls pipes are to be bridged over using concrete lintels. A single drain system is to discharge to the existing sewer as plan.

Pipes penetrating though walls

Pipes penetrating though walls should have joints formed within 150mm of either wall face, with 600mm maximum length adjacent rocker pipes fitted both sides with flexible joints, or alternatively lintels provided above openings though walls to give 50mm clear space around pipes and openings in-filled with inert sheet material and sealed to prevent ingress of fill, vermin and radon gas.

Inspection chambers and gullies

Proprietary Upvc 450/250mm diameter inspection chambers to be provided at all changes of level and or direction and at 45m maximum spacing in straight runs up to 1.2m in depth.

Soakaway sizes (calculation JDP BRE)

House Type A (Tank Size - 2.4m x 3.0m x 1.26m) - **9.070m²**
House Type B (Tank Size - 2.4m x 2.4m x 1.26m) - **7.250m²**
Road Area (Tank Size - 7.2m x 3.0m x 1.26m) - **26.200m²**

Address	**Land Adj Methodist Church Moresby Parks, Whitehaven, Cumbria, CA28 8XG**		
Project	**Proposed 5No Dwelling & Infrastructure Proposed Site Drainage Plans**		
Ref	**MJL-DS-002**	**Rev**	**-**
Scale	**1/250-1250**	**Date**	**3rd July 2021**
Client	**Mr Michael Jordan**		**A3 Paper size**