



CL 36.650 F13

LANSHING DETIVICES

Any existing services which may be affected by the proposed works should be located by means of a hand dig in close liaison with the statutory service authorities. The contractor shall inform the developer of any services that may affect the proposed design.

Contractor to notify statutory service authorities prior to commencement of work.

. All highway works to be carried out in accordance with the current local authority design uide and specification

All excavations below proposed and existing highways to be back filled with granular Type sub base and well compacted in layers not exceeding 150mm, unless otherwise agreed. Highway authority to be notified by the contractor prior to the commencement of works. Land drainage is not permitted to discharge into the public sewer network. Any need land drainage should be assessed by the ground worker and landscaper during construction and placement of gardens on an individual plot basis. If land drainage designs are required, they should be appointed prior to plot completion.

A. DO NOT USE THIS DRAWING IN ISOLATION. This drawing has been prepared as part of a set, and must therefore be read in conjunction with all other drawings. Any discrepancies must be reported to the engineer prior to commencing works.
B. Third party information is used to prepare the engineering design (including, architectural layout, ground investigation, existing utilities records, and specialist design items). The engineering design must therefore be read in conjunction with all third party information prior to commencing work. Queensberry Design Ltd are not responsible for any third party information or details.

FW section
Horiz. 1:500
Vert. 1:100
31.00 Prop. Chainage
FW Invert Level
FW Details Exist. Chainage
Prop. Level Exist. Level 0.000 34.332 15.000 34.410 25.000 34.478 35.000 34.539 55.000 34.658 CL 36.400 F8 55.000 34.658 70.000 34.787 80.000 34.880 85.000 34.917 90.000 34.954 _____ CL 36.100 F9 105.000 35.041 110.000 35.079 125.000 35.207 135.000 35.347 140.000 35.405 145.000 35.479 155.000 35.584 160.000 35.640 165.000 35.703 170.000 35.752 175.000 35.786 180.000 35.808 185.000 35.832 CL 36 500 F10 190.000 35.839 195.000 35.844 200.000 35.857 CL 36.600 F11 210.000 35.841 215.000 35.799 220.000 35.780 225.000 35.763 230.000 35.668 235.000 35.717 245.000 35.619 250.000 35.568

> 255.000 - - 35.606 - - -257.037 35.595

SW Details	SW Invert Level	Prop. Level Prop. Chainage	Exist. Chainage	Exist. Level	Vert. 1:100 32.00 30.00	SW section Horiz. 1:500	40.00
No.15.003 Diam.375 Grad.1 in 123.9 Length 48.33	35.637		0.000	37.143 37.184		CL 37.278 S63	0.00
			10.000	37.218			
			20.000	37.247 37.270			
			25.000	37.292 37.310			
			35.000	37.328			30.0
			40.000	37.364 37.406			
	35.247 35.247		50.000	37.446		CL 37.570S64	
No.15.004 Diam.375 Grad.1 in 108.6 Length 63.00			60.000	37.434 37.405			60.0
		This section sh and external wc	65.000	37.373 37.337			
		ows proposed drain orks levels for propo	75.000	37.299			
		hage and existing gosed ground profile	80.000 85.000	37.260 37.210			90.00
		ground levels only.	90.000	37.146			
		This section shows proposed drainage and existing ground levels only. Refer to road sections and external works levels for proposed ground profile	95.000	37.082 37.017			
			105.000	36.952 36.883			
	34.667 34.292		115.000	36.813		CL 36,500S65	
No.15.005 Diam.750 Grad.1 in 649.5 Length 36.37			120.000	36.731 36.646			120.00
			130.000	36.564 36.476			
			140.000	36.390			
	34.236		145.000	36.303 36.214			150
No.15.006 Diam.750 Grad.1 in 647.5 Length 67.35	34.236		155.000	36.141		CL 36.500 S71	
			165.000	36.092 36.039			
		This section and external	170.000	35.989 35.942			180.00
		This section shows proposed drainage and existing grand external works levels for proposed ground profile	180.000	35.883			
			185.000	35.825 35.770			
		g ground levels onl	195.000	35.716			
		ground levels only. Refer to road sections le	200.000	35.660 35.606			210.0
		cions	210.000	35.551 35.496			
	34.132 34.132		220.000	35.449		CL 36.050S74	
No.15.007 Diam.750 Grad.1 in 647.6 Length 37.56			225.000	35.410 35.368			
			235.000	35.326 35.283			240.0
			245.000	35.240			
	34.074		250.000 255.000	35.339 35.433		CL 36.050	
No.15.008 Diam.750 Grad.1 in 645.1 Length 34.84	34.074		260.000	35.292			270.0
			265.000	35.106 35.027			
			275.000	34.994 34.873			
			285.000	34.815			
No./15.009 Diam.750 Grad.1 in 650.3 Length 78.04	34.020 34.020		290.000	34.757 34.708			378
		This section shows proposed drainage and existing ground levels only. Refer to road sections and external works levels for proposed ground profile	300.000	34.659 34.610			300
			305.000	34.610 34.565			
			315.000	34.524 34.483			
			325.000	34.443			
			330.000	34.410			330
			340.000 345.000	34.354 34.327			
			350.000	34.291			
			355.000	34.253 34.218			360
		1	365.000	34.192		CL_B5.600S82	
	33.900		270 5	34.164			
	33.900		370.000 375.000	34.164		Hwall	
No. Dia Grad.1 Lengt						Hwall	
No.15.010 Diam.750 Grad.1 in 120.0 Length 6.00			375.000 380.000	34.122		Hwall	390
No.15.010 Diam.750 Grad.1 in 120.0 Length 6.00			375.000 380.000 385.000	34.122 34.084 34.052		Hwall	390
No.15.010 Diam.750 Grad.1 in 120.0 Length 6.00			375.000 380.000 385.000 390.000 400.000	34.084 34.052 34.032 34.004 33.963			390
	33.900		385.000 385.000 395.000 400.000	34.122 34.084 34.052 34.032 34.004		Hwall 100yr CC water level = 34.871	390
Nb.15.010 Nb.15.011 Diam.750 Diam.750 Grad.1 in 120.0 Grad.1 in 163.9 Length 6.00 Length 10.00	33.900		385.000 385.000 395.000 400.000 410.000	34.084 34.052 34.032 34.004 33.963 33.902			390
	33.900		385.000 385.000 390.000 395.000 400.000 415.000 420.000	34.084 34.052 34.032 34.004 33.963 33.902 33.868 33.832			