

Site Clearance / Demolition	
Vegetation Strip	£ 19,049
Topsoil Strip - Average 300mm (Full Site Area)	£ 100,008
	£ 119,058

On-Site Utilities / Services	
Electric Substation - Civils	£ 24,500
Electric Substation - M&E	£ 38,000
Electric Substation - Legal Fees (Transfer of Substation)	£ 550
Road Crossing Ducts incl Tape	£ 19,068
Service Trenches - Groundworker L&P incl Tape & Backfill with As Dug	£ 80,151
Service Trenches - Groundworker Supply & Lay Sand	£ 44,385
Allowance for Digging Plot Connections through Tarmac	£ 8,575
Mains Service Diversions - Electric	£ 470,000
	£ 685,230

Estimate, likely to increase

Surface & Foul Drainage	
Surface Water Attenuation - Basin/Pond	£ 5,638
Headwall to Basins	£ 25,000
450mm High Knee Rail to Perimeter of Pond / Basin	£ 2,103
Surface Water Attenuation - Carlow or Equivalent Concrete Tank - S&F	£ 702,600
Surface Water Attenuation - Carlow or Equivalent Concrete Tank - GWKs	£ 351,300
Flow Control E/O	£ 50,000
Wet Well & Valve Chamber	£ 52,500
Kiosk Plinth	£ 2,500
Compound (Groundworks)	£ 22,500
Equipment (M&E)	£ 55,000
Pump Station Electric Usage	£ 2,469
Pump Station Telemetry Hire	£ 3,429
Pump Station Maintenance	£ 6,993
Foul Water - Rising Main - Supply & Installation - Groundworks	£ 36,250
Foul Water - Rising Main (Pressure Test)	£ 2,700
EO Length in Existing Highway	£ 10,500
Connection in Existing Highway	£ 7,500
	£ 1,338,982

Retaining Walls	
- Gravel Board	
Height - 300mm	£ 56,384
- Masonry Retaining Walls	
Height - 450mm	£ 444,580
Height - 550mm	£ 120,585
Height - 1.1m	£ 87,521
Height - 1.5m	£ 143,406
Mesh in Foundations - Reinforcement 2 Layers	£ 169,261
- Lock & Load Walls	
Height - 600mm	£ 73,192
Height - 750mm	£ 86,143
Height - 900mm	£ 14,499
	£ 1,195,571

Landscaping / POS	
Laying Out (Placing of Topsoil & Seeding)	£ 105,746
Seeding Maintenance (£0.05/m2 per cut)	£ 78,632
Landscaping Maintenance (£400/visit, once per month)	£ 13,780
	£ 198,158

Substructure Abnormals	
Underbuild Facing Brickwork	
250mm Deep	£ 523
450mm Deep	£ 15,396
500mm Deep	£ 5,501
600mm Deep	£ 516
650mm Deep	£ 2,444
750mm Deep	£ 4,343
900mm Deep	£ 5,587
1000mm Deep	£ 3,229
	£ 37,540

Cut and Fill	
Remove Excess spoil based on 30m3 per plot	£ 182,520
C&F INC ROCK IN TANK AREA less DEALING WITH ROCK	£ 255,164
	£ 437,684

Summary

Site Clearance / Demolition	£ 119,058
On-Site Utilities / Services	£ 685,230
Surface & Foul Drainage	£ 1,338,982
Retaining Walls	£ 1,195,571
Landscaping / POS	£ 198,158
Substructure Abnormals	£ 37,540
Cut and Fill	£ 437,684

TOTAL	£ 4,012,223
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Site Clearance / Demolition	
Vegetation Strip	£ 19,049
Topsoil Strip - Average 300mm (Full Site Area)	£ 100,008
	£ 119,058

Description	Quantity	Unit	Rate	Total Budget
Vegetation Strip	63,497	m2	£0.30	£19,049.23
Topsoil Strip - Average 300mm (Full Site Area)	19,049	m3	£5.25	£100,008.45

£119,057.68

On-Site Utilities / Services		
Electric Substation - Civils	£	24,500
Electric Substation - M&E	£	38,000
Electric Substation - Legal Fees (Transfer of St	£	550
Road Crossing Ducts incl Tape	£	19,068
Service Trenches - Groundworker L&P incl Tap	£	80,151
Service Trenches - Groundworker Supply & La	£	44,385
Allowance for Digging Plot Connections throug	£	8,575
Mains Service Diversions - Electric	£	470,000
	£	685,230

		Quantity	Unit	Rate	Total Budget
Electric Substation - Civils		1	No	£40,000.31	£40,000.31
Electric Substation - M&E		1	No	£35,000.31	£35,000.31
Electric Substation - Legal Fees (Transfer of Substation)		1	No	£550.00	£550.00
Road Crossing Ducts incl Tape	Assume 1 duct per 20m of	294	m	£64.76	£19,068.29
Service Trenches - Groundworker L&P incl Tape & Backfill	Assuming services both sides	1,499	m	£53.47	£80,151.28
Service Trenches - Groundworker Supply & Lay Sand	600 x 600 x Length of Trench	540	m ³	£82.25	£44,385.25
Allowance for Digging Plot Connections through Tarmac	25% of Plots assumed	49	plots	£175.00	£8,575.00
Mains Service Diversions - Electric		1	item	£470,000.00	£470,000.00

**Increase from FVA issue

£697,730.44

Surface & Foul Drainage

Surface Water Attenuation - Basin/Pond	£	5,638
Headwall to Basins	£	25,000
450mm High Knee Rail to Perimeter of Pond / Basin	£	2,103
Surface Water Attenuation - Carlow or Equivalent	£	702,600
Surface Water Attenuation - Carlow or Equivalent	£	351,300
Flow Control E/O	£	50,000
Wet Well & Valve Chamber	£	52,500
Kiosk Plinth	£	2,500
Compound (Groundworks)	£	22,500
Equipment (M&E)	£	55,000
Pump Station Electric Usage	£	2,469
Pump Station Telemetry Hire	£	3,429
Pump Station Maintenance	£	6,993
Foul Water - Rising Main - Supply & Installation	£	36,250
Foul Water - Rising Main (Pressure Test)	£	2,700
EO Length in Existing Highway	£	10,500
Connection in Existing Highway	£	7,500
	£	1,338,982

Descript	Note / Name / Supplier	Quantity	Unit	Rate	Total Budget
Surface & Foul Drainage					
Surface Water Drainage - Standard		1	item	£373,791.42	£373,791.42
Foul Water Drainage - Standard		1	item	£186,467.46	£186,467.46
Surface Water Attenuation - Basin/Pond		205	m3	£27.50	£5,637.50
Headwall to Basins		2	No	£12,500.00	£25,000.00
450mm High Knee Rail to Perimeter of Pond / Basin		62	m	£34.00	£2,102.90
Surface Water Carlow or FLI etc - Supply & Install		2,342	m3	£300.00	£702,600.00
Surface Water Groundworker & Attendances		2,342	m3	£150.00	£351,300.00
Surface Water Supply & Install by R&S Contractor			m3	£500.00	
Flow Control E/O		2	No	£25,000.00	£50,000.00
Trenchless Directional Drilling E/O			m	£975.00	
SPZ1 Internal Sewer Lining			m	£140.00	
SPZ1 Lining of Manholes			No	£250.00	
Grub up existing sewer (upto 375mm & re-instate ground)			m	£45.00	
Grout up existing 375mm abandoned sewer			m	£65.00	
Grout up existing 525mm abandoned sewer			m	£100.00	
Single Pump Station - Foul or Surface Water		1	No		
Wet Well & Valve Chamber		1	No	£52,500.00	£52,500.00
Kiosk Plinth		1	No	£2,500.00	£2,500.00
Compound (Groundworks)		1	No	£22,500.00	£22,500.00
Equipment (M&E)		1	No	£55,000.00	£55,000.00
Dual Pump Station - Foul & Surface Water			No		
Wet Well & Valve Chamber			No	£105,000.00	
Kiosk Plinth			No	£5,000.00	
Compound (Groundworks)			No	£25,000.00	
Equipment (M&E)			No	£110,000.00	
Pump Station Electric Usage		33	months	£75.00	£2,469.02
Pump Station Telemetry Hire		33	months	£104.17	£3,429.20
Pump Station Maintenance		1	item	£6,993.31	£6,993.31
Pump Replacement Allowance (Prior to Handover)			No	£10,000.00	
Foul Water Estimated		250	m	£145.00	£36,250.00
Foul Water - Rising Main (Pressure Test)		1	No	£2,700.00	£2,700.00
EO Length in Existing Highway		30	m	£350.00	£10,500.00
Connection in Existing Highway		1	No	£7,500.00	£7,500.00
Surface Water Estimated			m	£145.00	
Surface Water - Rising Main (Pressure Test)			No	£2,700.00	
EO Length in Existing Highway			m	£350.00	
Connection in Existing Highway			No	£7,500.00	

£1,899,240.80

Retaining Walls

- Gravel Board		
Height - 300mm	£	56,384
- Masonry Retaining Walls		
Height - 450mm	£	444,580
Height - 550mm	£	120,585
Height - 1.1m	£	87,521
Height - 1.5m	£	143,406
Mesh in Foundations - Reinforcement 2 Layer:	£	169,261
- Lock & Load Walls		
Height - 600mm	£	73,192
Height - 750mm	£	86,143
Height - 900mm	£	14,499
	£	1,195,571

Retaining Walls				
- Flag On Edge				
Height - 300mm		lin.m	£98.39	
Height - 450mm		lin.m	£111.09	
Height - 600mm		lin.m	£134.90	
- Gravel Board				
Height - 300mm	618	lin.m	£91.25	£56,384.29
Height - 450mm		lin.m	£117.70	
<u>Height - 600mm</u>		lin.m	£160.02	
- Masonry Retaining Walls				
Height - 300mm		lin.m	£375.65	
<u>Height - 450mm</u>	1,183	lin.m	£375.65	£444,579.87
Height - 550mm	183	lin.m	£659.62	£120,584.55
Height - 750mm		lin.m	£659.62	
Height - 900mm		lin.m	£659.62	
<u>Height - 1.1m</u>	100	lin.m	£875.48	£87,521.48
Height - 1.2m		lin.m	£875.48	
Height - 1.3m		lin.m	£875.48	
Height - 1.5m	129	lin.m	£1,109.10	£143,406.20
<u>Height - 1.8m</u>		lin.m	£1,109.10	
Height - 2.0m		lin.m	£1,109.10	
Height - 2.1m		lin.m	£1,338.11	
Height - 2.8m		lin.m	£1,338.11	
<u>Height - 3.0m</u>		lin.m	£1,338.11	
Mesh in Foundatio	3,847	m2	£44.00	£169,260.70
- Lock & Load Walls				
<u>Height - 600mm</u>	138	lin.m	£531.88	£73,192.01
Height - 750mm	162	lin.m	£531.88	£86,143.28
Height - 900mm	27	lin.m	£531.88	£14,499.05
Height - 2.0m		lin.m	£1,064.28	
<u>Height - 2.1m</u>		lin.m	£1,064.28	
Height - 2.8m		lin.m	£1,596.42	
Height - 3.0m		lin.m	£1,596.42	
- Gabion Baskets				
Height - 600mm		lin.m	£357.50	
Height - 750mm		lin.m	£769.83	
Height - 900mm		lin.m	£772.47	
<u>Height - 1.1m</u>		lin.m	£775.97	
Height - 1.3m		lin.m	£863.95	
Height - 1.5m		lin.m	£867.45	
Height - 1.8m		lin.m	£1,263.30	
<u>Height - 2.1m</u>		lin.m	£1,278.86	
Height - 2.8m		lin.m	£1,658.65	

£1,195,571.43

Landscaping

Laying Out (Placing of Topsoil & Seeding)	£	105,746
Seeding Maintenance (£0.05/m2 per cut)	£	78,632
Landscaping Maintenance (£400/visit, once per year)	£	13,780
	£	198,158

Description	Name / Specification	Quantity	Unit	Rate	Total Budget
Laying Out (Placing of Topsoil & Seeding)		17,118	m2	£6.18	£105,746.34
Seeding Maintenance (£0.05/m2 per cut)	Assume 2 cuts per year	92	visits	£855.94	£78,632.02
Landscaping Maintenance (£400/visit, once per year)	Assume 9 visits per year	34	visits	£400.00	£13,779.93

£198,158.29

Cut and Fill		
Remove Excess spoil based on 30m3 per plot	£	182,520
C&F INC ROCK IN TANK AREA less DEALING WITH ROCK	£	255,164
	£	437,684

Description	Quantity	Unit	Rate	Total Budget
Remove Excess spoil based on 30m3 per plot	36	m3	£5,070.00	£182,520.00
C&F INC ROCK IN TANK AREA less DEALING WITH ROCK	1	no	£1.00	£255,164.15

£437,684.15