

CLASS I: PIPEWORK - PIPES

Labour resources

Plant resources

Material resources

Clay pipes

Concrete pipes

Cast iron pipes

Ductile iron pipes

Steel pipes

PVC pipes

CLASS I: PIPEWORK - PIPES

LABOUR RESOURCES

The following labour rates are based upon the Construction Industry Council agreement on pay dated 25 June 2007 and the current Working Rule Agreement.

	Hourly rate £
General operative unskilled	12.94
Skilled operative rate 4	13.74
Skilled operative rate 3	14.69
Skilled operative rate 2	15.77
Skilled operative rate 1	16.94
Craft operative	17.98

	Hourly rate £	Total rate £	Gang rate £
ILA Small bore pipe gang			
1 x rate 1	16.94	16.94	
2 x rate 3	14.74	29.48	
2 x unskilled	12.94	<u>25.88</u>	72.30

ILB Large bore pipe gang			
1 x rate 1	16.94	16.94	
1 x rate 4	13.74	13.74	
2 x rate 3	14.74	29.48	
2 x unskilled	12.94	<u>25.88</u>	86.04

PLANT RESOURCES

Hourly rate £	Total rate £	Gang rate £
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The rates in this section are based upon plant hired from a specialist plant hire firm. The rates exclude the cost of fuel, VAT, delivery, servicing and repairs.

	Hourly rate £	Total rate £	Gang rate £
IPA Field drain gang			
1 x backactor (8 tonne)	17.97	17.97	
1 x 2.5m3 dumper	6.88	7.19	
1 x pump and hoses	4.18	<u>4.37</u>	29.53
IPB Small bore pipe gang			
1 x backactor (8 tonne)	17.97	17.97	
1 x dumper (2.5m3)	7.19	7.19	
1 x pump and hoses	4.37	4.37	
1 x compressor (3.70 m3/min)	4.47	<u>4.47</u>	34.00
IPC Large bore pipe gang			
1 x backactor (21 tonne)	33.65	33.65	
1 x crawler crane (20t)	26.32	26.32	
1 x dumper (2.5m3)	7.19	7.19	
1 x pump and hoses	4.39	4.37	
1 x compressor (3.70 m3/min)	4.47	<u>4.47</u>	76.00

MATERIAL RESOURCES

	Unit	Cost £	Waste %	Total £
Agricultural clay field pipes				
75mm bore	m	3.87	5.00	4.06
100mm bore	m	5.89	5.00	6.18
150mm bore	m	12.01	5.00	12.61
200mm bore	m	30.22	5.00	31.73
Granular bedding material	t	14.29	5.00	15.00
Vitreous clay plain ended pipe				
100mm bore	m	6.52	5.00	6.85
150mm bore	m	16.23	5.00	17.04
200mm bore	m	33.22	5.00	34.88
225mm bore	m	37.29	5.00	39.15
250mm bore	m	44.01	5.00	46.21
300mm bore	m	57.81	5.00	60.70
Vitreous clay spigot and socket pipe				
150mm bore	m	19.92	5.00	20.92
225mm bore	m	37.39	5.00	39.26

	Unit	Cost £	Waste %	Total £
Vitreous clay spigot and socket pipe (cont'd)				
300mm bore	m	59.95	5.00	62.95
375mm bore	m	141.44	5.00	148.51
400mm bore	m	144.15	5.00	151.36
450mm bore	m	186.18	5.00	195.49
500mm bore	m	252.68	5.00	265.31
600mm bore	m	398.56	5.00	418.49
Concrete pipes, Class L				
300mm bore	m	12.77	5.00	13.41
375mm bore	m	16.28	5.00	17.09
450mm bore	m	18.95	5.00	19.90
525mm bore	m	23.52	5.00	24.70
600mm bore	m	28.67	5.00	30.10
675mm bore	m	59.95	5.00	62.95
750mm bore	m	45.04	5.00	47.29
825mm bore	m	52.00	5.00	54.60
900mm bore	m	63.52	5.00	66.70
1050mm bore	m	73.42	5.00	77.09
1200mm bore	m	91.81	5.00	96.40
1350mm bore	m	118.38	5.00	124.30
1500mm bore	m	179.42	5.00	188.39
1800mm bore	m	259.33	5.00	272.30
2100mm bore	m	494.00	5.00	518.70
2400mm bore	m	640.28	5.00	672.29
Cast iron pipes to BS EN 877				
100mm bore	m	18.85	5.00	19.79
150mm bore	m	37.57	5.00	39.45
200mm bore	m	63.51	5.00	66.69
250mm bore	m	93.37	5.00	98.04
300mm bore	m	116.28	5.00	122.09
400mm bore	m	198.87	5.00	208.81
500mm bore	m	254.82	5.00	267.56
600mm bore	m	311.02	5.00	326.57
Ductile iron pipes to BS EN 877				
80mm bore	m	22.59	5.00	23.72
100mm bore	m	28.46	5.00	29.88
150mm bore	m	31.83	5.00	33.42
200mm bore	m	40.58	5.00	42.61
250mm bore	m	51.37	5.00	53.94

	Unit	Cost £	Waste %	Total £
Ductile iron pipes to BS EN 877 (cont'd)				
300mm bore	m	65.21	5.00	68.47
350mm bore	m	80.81	5.00	84.85
400mm bore	m	96.82	5.00	101.66
450mm bore	m	115.02	5.00	120.77
500mm bore	m	133.89	5.00	140.58
600mm bore	m	176.94	5.00	185.79
700mm bore	m	266.48	5.00	279.80
800mm bore	m	286.05	5.00	300.35
Steel pipes to BS 3601				
100mm bore	m	23.26	5.00	24.42
150mm bore	m	29.68	5.00	31.16
200mm bore	m	30.85	5.00	32.39
250mm bore	m	31.36	5.00	32.93
300mm bore	m	39.66	5.00	41.64
PVC pipes				
82mm bore	m	9.61	5.00	10.09
110mm bore	m	7.74	5.00	8.13

UNIT RATES

Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
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Clay pipes

Agricultural clay field
drains, 75mm bore
depth

not exceeding 1.5m	m	IPA 0.02	0.59	ILA 0.02	1.45	4.06	6.10	0.91
depth, 1.5 - 2m	m	IPA 0.06	1.77	ILA 0.06	4.34	4.06	10.17	1.53

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Agricultural clay field drains, 75mm bore depth (cont'd)								
depth, 2 - 2.5m	m	IPA 0.09	2.66	ILA 0.09	6.51	4.06	13.22	1.98
Agricultural clay field drains, 100mm bore depth								
not exceeding 1.5m	m	IPA 0.02	0.59	ILA 0.02	1.45	6.18	8.22	1.23
depth, 1.5 - 2m	m	IPA 0.06	1.77	ILA 0.06	4.34	6.18	12.29	1.84
depth, 2 - 2.5m	m	IPA 0.09	2.66	ILA 0.09	6.51	6.18	15.34	2.30
Agricultural clay field drains, 150mm bore depth								
not exceeding 1.5m	m	IPA 0.03	0.89	ILA 0.03	2.17	12.61	15.66	2.35
depth, 1.5 - 2m	m	IPA 0.07	2.07	ILA 0.07	5.06	12.61	19.74	2.96
depth, 2 - 2.5m	m	IPA 0.10	2.95	ILA 0.10	7.23	12.61	22.79	3.42
Agricultural clay field drains, 200mm bore depth								
not exceeding 1.5m	m	IPA 0.03	0.89	ILA 0.03	2.17	31.73	34.78	5.22
depth, 1.5 - 2m	m	IPA 0.07	2.07	ILA 0.07	5.06	31.73	38.86	5.83
depth, 2 - 2.5m	m	IPA 0.10	2.95	ILA 0.10	7.23	31.73	41.91	6.29
Vitrified clay pipes plain ended pipes with couplings, bore 100mm								
depth, not exceeding 1.5m	m	IPB 0.12	4.08	ILA 0.12	8.68	6.91	19.67	2.95

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Vitrified clay pipes plain ended pipes with couplings, bore 100mm (cont'd)								
depth, 1.5 - 2m	m	IPB 0.15	5.10	ILA 0.15	10.85	6.91	22.86	3.43
depth, 2 - 2.5m	m	IPB 0.20	6.80	ILA 0.20	14.46	6.91	28.17	4.23
depth, 2.5 - 3m	m	IPB 0.24	8.16	ILA 0.24	17.35	6.91	32.42	4.86
depth, 3 - 3.5m	m	IPB 0.30	10.20	ILA 0.30	21.69	6.91	38.80	5.82
depth, 3.5 - 4m	m	IPB 0.38	12.92	ILA 0.38	27.47	6.91	47.30	7.10
Vitrified clay pipes plain ended pipes with couplings, bore 150mm								
depth, not exceeding 1.5m	m	IPB 0.14	4.76	ILA 0.14	10.12	17.25	32.13	4.82
depth, 1.5 - 2m	m	IPB 0.17	5.78	ILA 0.17	12.29	17.25	35.32	5.30
depth, 2 - 2.5m	m	IPB 0.22	7.48	ILA 0.22	15.91	17.25	40.64	6.10
depth, 2.5 - 3m	m	IPB 0.26	8.84	ILA 0.26	18.80	17.25	44.89	6.73
depth, 3 - 3.5m	m	IPB 0.32	10.88	ILA 0.32	23.14	17.25	51.27	7.69
depth, 3.5 - 4m	m	IPB 0.40	13.60	ILA 0.40	28.92	17.25	59.77	8.97
Vitrified clay pipes plain ended pipes with couplings, bore 200mm								
depth, not exceeding 1.5m	m	IPB 0.14	4.76	ILA 0.14	10.12	35.37	50.25	7.54
depth, 1.5 - 2m	m	IPB 0.17	5.78	ILA 0.17	12.29	35.37	53.44	8.02
depth, 2 - 2.5m	m	IPB 0.22	7.48	ILA 0.22	15.91	35.37	58.76	8.81

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Vitrified clay pipes plain ended pipes with couplings, bore 200mm (cont'd)								
depth, 2.5 - 3m	m	IPB 0.26	8.84	ILA 0.26	18.80	35.37	63.01	9.45
depth, 3 - 3.5m	m	IPB 0.32	10.88	ILA 0.32	23.14	35.37	69.39	10.41
depth, 3.5 - 4m	m	IPB 0.40	13.60	ILA 0.40	28.92	35.37	77.89	11.68
Vitrified clay pipes plain ended pipes with couplings, bore 225mm								
depth, not exceeding 1.5m	m	IPB 0.15	5.10	ILA 0.15	10.85	39.62	55.57	8.33
depth, 1.5 - 2m	m	IPB 0.18	6.12	ILA 0.18	13.01	39.62	58.75	8.81
depth, 2 - 2.5m	m	IPB 0.23	7.82	ILA 0.23	16.63	39.62	64.07	9.61
depth, 2.5 - 3m	m	IPB 0.27	9.18	ILA 0.27	19.52	39.62	68.32	10.25
depth, 3 - 3.5m	m	IPB 0.33	11.22	ILA 0.33	23.86	39.62	74.70	11.20
depth, 3.5 - 4m	m	IPB 0.41	13.94	ILA 0.41	29.64	39.62	83.20	12.48
Vitrified clay pipes plain ended pipes with couplings, bore 250mm								
depth, not exceeding 1.5m	m	IPB 0.16	5.44	ILA 0.16	11.57	46.93	63.94	9.59
depth, 1.5 - 2m	m	IPB 0.19	6.46	ILA 0.19	13.74	46.93	67.13	10.07
depth, 2 - 2.5m	m	IPB 0.24	8.16	ILA 0.24	17.35	46.93	72.44	10.87
depth, 2.5 - 3m	m	IPB 0.28	9.52	ILA 0.28	20.24	46.93	76.69	11.50
depth, 3 - 3.5m	m	IPB 0.34	11.56	ILA 0.34	24.58	46.93	83.07	12.46

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Vitrified clay pipes plain ended pipes with couplings, bore 250mm (cont'd)								
depth, 3.5 - 4m	m	IPB 0.42	14.28	ILA 0.42	30.37	46.93	91.58	13.74
Vitrified clay pipes plain ended pipes with couplings, bore 300mm								
depth, not exceeding 1.5m	m	IPB 0.18	6.12	ILA 0.18	13.01	64.47	83.60	12.54
depth, 1.5 - 2m	m	IPB 0.21	7.14	ILA 0.21	15.18	64.47	86.79	13.02
depth, 2 - 2.5m	m	IPB 0.26	8.84	ILA 0.26	18.80	64.47	92.11	13.82
depth, 2.5 - 3m	m	IPB 0.30	10.20	ILA 0.30	21.69	64.47	96.36	14.45
depth, 3 - 3.5m	m	IPB 0.36	12.24	ILA 0.36	26.03	64.47	102.74	15.41
depth, 3.5 - 4m	m	IPB 0.44	14.96	ILA 0.44	31.81	64.47	111.24	16.69
Vitrified clay pipes spigot and socket pipes with sealing rings, bore 150mm								
depth, not exceeding 1.5m	m	IPB 0.14	4.76	ILA 0.14	10.12	20.92	35.80	5.37
depth, 1.5 - 2m	m	IPB 0.17	5.78	ILA 0.17	12.29	20.92	38.99	5.85
depth, 2 - 2.5m	m	IPB 0.22	7.48	ILA 0.22	15.91	20.92	44.31	6.65
depth, 2.5 - 3m	m	IPB 0.26	8.84	ILA 0.26	18.80	20.92	48.56	7.28
depth, 3 - 3.5m	m	IPB 0.32	10.88	ILA 0.32	23.14	20.92	54.94	8.24
depth, 3.5 - 4m	m	IPB 0.40	13.60	ILA 0.40	28.92	20.92	63.44	9.52

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Vitrified clay pipes spigot and socket pipes with sealing rings, bore 225mm								
depth, not exceeding 1.5m	m	IPB 0.15	5.10	ILA 0.15	10.85	39.26	55.21	8.28
depth, 1.5 - 2m	m	IPB 0.18	6.12	ILA 0.18	13.01	39.26	58.39	8.76
depth, 2 - 2.5m	m	IPB 0.23	7.82	ILA 0.23	16.63	39.26	63.71	9.56
depth, 2.5 - 3m	m	IPB 0.27	9.18	ILA 0.27	19.52	39.26	67.96	10.19
depth, 3 - 3.5m	m	IPB 0.33	11.22	ILA 0.33	23.86	39.26	74.34	11.15
depth, 3.5 - 4m	m	IPB 0.41	13.94	ILA 0.41	29.64	39.26	82.84	12.43
Vitrified clay pipes spigot and socket pipes with sealing rings, bore 300mm								
depth, not exceeding 1.5m	m	IPB 0.18	6.12	ILA 0.18	13.01	62.95	82.08	12.31
depth, 1.5 - 2m	m	IPB 0.21	7.14	ILA 0.21	15.18	62.95	85.27	12.79
depth, 2 - 2.5m	m	IPB 0.26	8.84	ILA 0.26	18.80	62.95	90.59	13.59
depth, 2.5 - 3m	m	IPB 0.30	10.20	ILA 0.30	21.69	62.95	94.84	14.23
depth, 3 - 3.5m	m	IPB 0.36	12.24	ILA 0.36	26.03	62.95	101.22	15.18
depth, 3.5 - 4m	m	IPB 0.44	14.96	ILA 0.44	31.81	62.95	109.72	16.46
Vitrified clay pipes spigot and socket pipes with sealing rings, bore 375mm								
depth, not exceeding 1.5m	m	IPB 0.20	6.80	ILA 0.20	14.46	148.52	169.78	25.47
depth, 1.5 - 2m	m	IPB 0.23	7.82	ILA 0.23	16.63	148.52	172.97	25.95

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Vitrified clay pipes spigot and socket pipes with sealing rings, bore 375mm (cont'd)								
depth, 2 - 2.5m	m	IPB 0.28	9.52	ILA 0.28	20.24	148.52	178.28	26.74
depth, 2.5 - 3m	m	IPB 0.32	10.88	ILA 0.32	23.14	148.52	182.54	27.38
depth, 3 - 3.5m	m	IPB 0.38	12.92	ILA 0.38	27.47	148.52	188.91	28.34
depth, 3.5 - 4m	m	IPB 0.46	15.64	ILA 0.46	33.26	148.52	197.42	29.61
Vitrified clay pipes spigot and socket pipes with sealing rings, bore 400mm								
depth, not exceeding 1.5m	m	IPB 0.20	6.80	ILA 0.20	14.46	151.36	172.62	25.89
depth, 1.5 - 2m	m	IPB 0.23	7.82	ILA 0.23	16.63	151.36	175.81	26.37
depth, 2 - 2.5m	m	IPB 0.28	9.52	ILA 0.28	20.24	151.36	181.12	27.17
depth, 2.5 - 3m	m	IPB 0.32	10.88	ILA 0.32	23.14	151.36	185.38	27.81
depth, 3 - 3.5m	m	IPB 0.38	12.92	ILA 0.38	27.47	151.36	191.75	28.76
depth, 3.5 - 4m	m	IPB 0.46	15.64	ILA 0.46	33.26	151.36	200.26	30.04
Vitrified clay pipes spigot and socket pipes with sealing rings, bore 450mm								
depth, not exceeding 1.5m	m	IPB 0.22	7.48	ILA 0.22	15.91	195.49	218.88	32.83
depth, 1.5 - 2m	m	IPB 0.25	8.50	ILA 0.25	18.08	195.49	222.07	33.31
depth, 2 - 2.5m	m	IPB 0.30	10.20	ILA 0.30	21.69	195.49	227.38	34.11
depth, 2.5 - 3m	m	IPB 0.34	11.56	ILA 0.34	24.58	195.49	231.63	34.74

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Vitrified clay pipes spigot and socket pipes with sealing rings, bore 450mm (cont'd)								
depth, 3 - 3.5m	m	IPB 0.40	13.60	ILA 0.40	28.92	195.49	238.01	35.70
depth, 3.5 - 4m	m	IPB 0.48	16.32	ILA 0.48	34.70	195.49	246.51	36.98
Vitrified clay pipes spigot and socket pipes with sealing rings, bore 500mm								
depth, not exceeding 1.5m	m	IPB 0.24	8.16	ILA 0.24	17.35	265.32	290.83	43.62
depth, 1.5 - 2m	m	IPB 0.27	9.18	ILA 0.27	19.52	265.32	294.02	44.10
depth, 2 - 2.5m	m	IPB 0.32	10.88	ILA 0.32	23.14	265.32	299.34	44.90
depth, 2.5 - 3m	m	IPB 0.36	12.24	ILA 0.36	26.03	265.32	303.59	45.54
depth, 3 - 3.5m	m	IPB 0.42	14.28	ILA 0.42	30.37	265.32	309.97	46.49
depth, 3.5 - 4m	m	IPB 0.50	17.00	ILA 0.50	36.15	265.32	318.47	47.77
Vitrified clay pipes spigot and socket pipes with sealing rings, bore 600mm								
depth, not exceeding 1.5m	m	IPB 0.26	8.84	ILA 0.26	18.80	418.49	446.13	66.92
depth, 1.5 - 2m	m	IPB 0.29	9.86	ILA 0.29	20.97	418.49	449.32	67.40
depth, 2 - 2.5m	m	IPB 0.34	11.56	ILA 0.34	24.58	418.49	454.63	68.19
depth, 2.5 - 3m	m	IPB 0.38	12.92	ILA 0.38	27.47	418.49	458.88	68.83
depth, 3 - 3.5m	m	IPB 0.44	14.96	ILA 0.44	31.81	418.49	465.26	69.79
depth, 3.5 - 4m	m	IPB 0.52	17.68	ILA 0.52	37.60	418.49	473.77	71.06

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Concrete pipes								
Concrete pipes, Class L, with flexible joints, nominal bore								
300mm								
depth, not exceeding 1.5m	m	IPB 0.30	10.20	ILA 0.30	21.69	13.41	45.30	6.80
depth, 1.5 - 2m	m	IPB 0.32	10.88	ILA 0.32	23.14	13.41	47.43	7.11
depth, 2 - 2.5m	m	IPB 0.34	11.56	0.34	24.58	13.41	49.55	7.43
depth, 2.5 - 3m	m	IPB 0.38	12.92	ILA 0.38	27.47	13.41	53.80	8.07
depth, 3 - 3.5m	m	IPB 0.46	15.64	ILA 0.46	33.26	13.41	62.31	9.35
depth, 3.5 - 4m	m	IPB 0.56	19.04	ILA 0.56	40.49	13.41	72.94	10.94
375mm								
depth, not exceeding 1.5m	m	IPB 0.32	10.88	ILA 0.32	23.14	17.10	51.12	7.67
depth, 1.5 - 2m	m	IPB 0.34	11.56	ILA 0.34	24.58	17.10	53.24	7.99
depth, 2 - 2.5m	m	IPB 0.36	12.24	ILA 0.36	26.03	17.10	55.37	8.31
depth, 2.5 - 3m	m	IPB 0.40	13.60	ILA 0.40	28.92	17.10	59.62	8.94
depth, 3 - 3.5m	m	IPB 0.48	16.32	ILA 0.48	34.70	17.10	68.12	10.22
depth, 3.5 - 4m	m	IPB 0.58	19.72	ILA 0.58	41.93	17.10	78.75	11.81
450mm								
depth, not exceeding 1.5m	m	IPB 0.34	11.56	ILA 0.34	24.58	19.90	56.04	8.41
depth, 1.5 - 2m	m	IPB 0.36	12.24	ILA 0.36	26.03	19.90	58.17	8.73
depth, 2 - 2.5m	m	IPB 0.38	12.92	ILA 0.38	27.47	19.90	60.29	9.04

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Concrete pipes, 450mm bore (cont'd)								
depth, 2.5 - 3m	m	IPB 0.42	14.28	ILA 0.42	30.37	19.90	64.55	9.68
depth, 3 - 3.5m	m	IPB 0.50	17.00	ILA 0.50	36.15	19.90	73.05	10.96
depth, 3.5 - 4m	m	IPB 0.60	20.40	ILA 0.60	43.38	19.90	83.68	12.55
525mm								
depth, not exceeding 1.5m	m	IPB 0.32	10.88	ILA 0.32	23.14	24.70	58.72	8.81
depth, 1.5 - 2m	m	IPB 0.36	12.24	ILA 0.36	26.03	24.70	62.97	9.45
depth, 2 - 2.5m	m	IPB 0.40	13.60	ILA 0.40	28.92	24.70	67.22	10.08
depth, 2.5 - 3m	m	IPB 0.44	14.96	ILA 0.44	31.81	24.70	71.47	10.72
depth, 3 - 3.5m	m	IPB 0.48	16.32	ILA 0.48	34.70	24.70	75.72	11.36
depth, 3.5 - 4m	m	IPB 0.52	17.68	ILA 0.52	37.60	24.70	79.98	12.00
600mm								
depth, not exceeding 1.5m	m	IPC 0.34	25.84	ILB 0.34	29.25	30.10	59.35	8.90
depth, 1.5 - 2m	m	IPC 0.38	28.88	ILB 0.38	32.70	30.10	91.68	13.75
depth, 2 - 2.5m	m	IPC 0.42	31.92	ILB 0.42	36.14	30.10	98.16	14.72
depth, 2.5 - 3m	m	IPC 0.46	34.96	ILB 0.46	39.58	30.10	104.64	15.70
depth, 3 - 3.5m	m	IPC 0.50	38.00	ILB 0.50	43.02	30.10	111.12	16.67
depth, 3.5 - 4m	m	IPC 0.54	41.04	ILB 0.54	46.46	30.10	117.60	17.64
675mm								
depth, not exceeding 1.5m	m	IPC 0.35	26.60	ILB 0.35	30.11	47.30	77.41	11.61
depth, 1.5 - 2m	m	IPC 0.39	29.64	ILB 0.39	33.56	47.30	110.50	16.57

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Concrete pipes, 675mm bore (cont'd)								
depth, 2 - 2.5m	m	IPC 0.43	32.68	ILB 0.43	37.00	47.30	116.98	17.55
depth, 2.5 - 3m	m	IPC 0.47	35.72	ILB 0.47	40.44	47.30	123.46	18.52
depth, 3 - 3.5m	m	IPC 0.51	38.76	ILB 0.51	43.88	47.30	129.94	19.49
depth, 3.5 - 4m	m	IPC 0.55	41.80	ILB 0.55	47.32	47.30	136.42	20.46
750mm								
depth, not exceeding 1.5m	m	IPC 0.36	27.36	ILB 0.36	30.97	54.60	112.93	16.94
depth, 1.5 - 2m	m	IPC 0.40	30.40	ILB 0.40	34.42	54.60	119.42	17.91
depth, 2 - 2.5m	m	IPC 0.44	33.44	ILB 0.44	37.86	54.60	125.90	18.88
depth, 2.5 - 3m	m	IPC 0.48	36.48	ILB 0.48	41.30	54.60	132.38	19.86
depth, 3 - 3.5m	m	IPC 0.52	39.52	ILB 0.52	44.74	54.60	138.86	20.83
depth, 3.5 - 4m	m	IPC 0.56	42.56	ILB 0.56	48.18	54.60	145.34	21.80
825mm								
depth, not exceeding 1.5m	m	IPC 0.38	28.88	ILB 0.38	32.70	66.70	128.28	19.24
depth, 1.5 - 2m	m	IPC 0.42	31.92	ILB 0.42	36.14	66.70	134.76	20.21
depth, 2 - 2.5m	m	IPC 0.46	34.96	ILB 0.46	39.58	66.70	141.24	21.19
depth, 2.5 - 3m	m	IPC 0.50	38.00	ILB 0.50	43.02	66.70	147.72	22.16
depth, 3 - 3.5m	m	IPC 0.54	41.04	ILB 0.54	46.46	66.70	154.20	23.13
depth, 3.5 - 4m	m	IPC 0.58	44.08	ILB 0.58	49.90	66.70	160.68	24.10

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Concrete pipes(cont'd)								
900mm								
depth, not exceeding 1.5m	m	IPC 0.40	30.40	ILB 0.40	34.42	77.10	141.92	21.29
depth, 1.5 - 2m	m	IPC 0.44	33.44	ILB 0.44	37.86	77.10	148.40	22.26
depth, 2 - 2.5m	m	IPC 0.48	36.48	ILB 0.48	41.30	77.10	154.88	23.23
depth, 2.5 - 3m	m	IPC 0.52	39.52	ILB 0.52	44.74	77.10	161.36	24.20
depth, 3 - 3.5m	m	IPC 0.56	42.56	ILB 0.56	48.18	77.10	167.84	25.18
depth, 3.5 - 4m	m	IPC 0.60	45.60	ILB 0.60	51.62	77.10	174.32	26.15
1050mm								
depth, not exceeding 1.5m	m	IPC 0.42	31.92	ILB 0.42	36.14	96.40	164.46	24.67
depth, 1.5 - 2m	m	IPC 0.46	34.96	ILB 0.46	39.58	96.40	170.94	25.64
depth, 2 - 2.5m	m	IPC 0.50	38.00	ILB 0.50	43.02	96.40	177.42	26.61
depth, 2.5 - 3m	m	IPC 0.54	41.04	ILB 0.54	46.46	96.40	183.90	27.59
depth, 3 - 3.5m	m	IPC 0.58	44.08	ILB 0.58	49.90	96.40	190.38	28.56
depth, 3.5 - 4m	m	IPC 0.62	47.12	ILB 0.62	53.34	96.40	196.86	29.53
1200mm								
depth, not exceeding 1.5m	m	IPC 0.44	33.44	ILB 0.44	37.86	124.30	195.60	29.34
depth, 1.5 - 2m	m	IPC 0.48	36.48	ILB 0.48	41.30	124.30	202.08	30.31
depth, 2 - 2.5m	m	IPC 0.52	39.52	ILB 0.52	44.74	124.30	208.56	31.28
depth, 2.5 - 3m	m	IPC 0.56	42.56	ILB 0.56	48.18	124.30	215.04	32.26
depth, 3 - 3.5m	m	IPC 0.60	45.60	ILB 0.60	51.62	124.30	221.52	33.23

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Concrete pipes, 1200mm bore (cont'd)								
depth, 3.5 - 4m	m	IPC 0.64	48.64	ILB 0.64	55.07	124.30	228.01	34.20
1350mm								
depth, not exceeding 1.5m	m	IPC 0.46	34.96	ILB 0.46	39.58	188.40	262.94	39.44
depth, 1.5 - 2m	m	IPC 0.50	38.00	ILB 0.50	43.02	188.40	269.42	40.41
depth, 2 - 2.5m	m	IPC 0.54	41.04	ILB 0.54	46.46	188.40	275.90	41.39
depth, 2.5 - 3m	m	IPC 0.58	44.08	ILB 0.58	49.90	188.40	282.38	42.36
depth, 3 - 3.5m	m	IPC 0.62	47.12	ILB 0.62	53.34	188.40	288.86	43.33
depth, 3.5 - 4m	m	IPC 0.66	50.16	ILB 0.66	56.79	188.40	295.35	44.30
1500mm								
depth, not exceeding 1.5m	m	IPC 0.48	36.48	ILB 0.48	41.30	272.30	350.08	52.51
depth, 1.5 - 2m	m	IPC 0.52	39.52	ILB 0.52	44.74	272.30	356.56	53.48
depth, 2 - 2.5m	m	IPC 0.56	42.56	ILB 0.56	48.18	272.30	363.04	54.46
depth, 2.5 - 3m	m	IPC 0.60	45.60	ILB 0.60	51.62	272.30	369.52	55.43
depth, 3 - 3.5m	m	IPC 0.64	48.64	ILB 0.64	55.07	272.30	376.01	56.40
depth, 3.5 - 4m	m	IPC 0.68	51.68	ILB 0.68	58.51	272.30	382.49	57.37
1800mm								
depth, not exceeding 1.5m	m	IPC 0.50	38.00	ILB 0.50	43.02	306.20	387.22	58.08
depth, 1.5 - 2m	m	IPC 0.54	41.04	ILB 0.54	46.46	306.20	393.70	59.06
depth, 2 - 2.5m	m	IPC 0.58	44.08	ILB 0.58	49.90	306.20	400.18	60.03
depth, 2.5 - 3m	m	IPC 0.62	47.12	ILB 0.62	53.34	306.20	406.66	61.00

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Concrete pipes, 1800mm bore (cont'd)								
depth, 3 - 3.5m	m	IPC 0.66	50.16	ILB 0.66	56.79	306.20	413.15	61.97
depth, 3.5 - 4m	m	IPC 0.70	53.20	ILB 0.70	60.23	306.20	419.63	62.94
2100mm								
depth, not exceeding 1.5m	m	IPC 0.52	39.52	ILB 0.52	44.74	518.70	602.96	90.44
depth, 1.5 - 2m	m	IPC 0.56	42.56	ILB 0.56	48.18	518.70	609.44	91.42
depth, 2 - 2.5m	m	IPC 0.60	45.60	ILB 0.60	51.62	518.70	615.92	92.39
depth, 2.5 - 3m	m	IPC 0.64	48.64	ILB 0.64	55.07	518.70	622.41	93.36
depth, 3 - 3.5m	m	IPC 0.68	51.68	ILB 0.68	58.51	518.70	628.89	94.33
depth, 3.5 - 4m	m	IPC 0.72	54.72	ILB 0.72	61.95	518.70	635.37	95.31
2400mm								
depth, not exceeding 1.5m	m	IPC 0.54	41.04	ILB 0.54	46.46	692.30	779.80	116.97
depth, 1.5 - 2m	m	IPC 0.58	44.08	ILB 0.58	49.90	692.30	786.28	117.94
depth, 2 - 2.5m	m	IPC 0.62	47.12	ILB 0.62	53.34	692.30	792.76	118.91
depth, 2.5 - 3m	m	IPC 0.66	50.16	ILB 0.66	56.79	692.30	799.25	119.89
depth, 3 - 3.5m	m	IPC 0.70	53.20	ILB 0.70	60.23	692.30	805.73	120.86
depth, 3.5 - 4m	m	IPC 0.74	56.24	ILB 0.74	63.67	692.30	812.21	121.83

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Cast iron pipes								
Cast iron pipes to BS EN 877, double spigot, two-piece coupling joints, nominal bore								
100mm								
depth, not exceeding 1.5m	m	IPB 0.24	8.16	ILA 0.24	17.35	23.17	48.68	7.30
depth, 1.5 - 2m	m	IPB 0.30	10.20	ILA 0.30	21.69	23.17	55.06	8.26
depth, 2 - 2.5m	m	IPB 0.36	12.24	ILA 0.36	26.03	23.17	61.44	9.22
depth, 2.5 - 3m	m	IPB 0.44	14.96	ILA 0.44	31.81	23.17	69.94	10.49
depth, 3 - 3.5m	m	IPB 0.52	17.68	ILA 0.52	37.60	23.17	78.45	11.77
depth, 3.5 - 4m	m	IPB 0.62	21.08	ILA 0.62	44.83	23.17	89.08	13.36
150mm								
depth, not exceeding 1.5m	m	IPB 0.28	9.52	ILA 0.28	20.24	47.27	77.03	11.56
depth, 1.5 - 2m	m	IPB 0.34	11.56	ILA 0.34	24.58	47.27	83.41	12.51
depth, 2 - 2.5m	m	IPB 0.40	13.60	ILA 0.40	28.92	47.27	89.79	13.47
depth, 2.5 - 3m	m	IPB 0.48	16.32	ILA 0.48	34.70	47.27	98.29	14.74
depth, 3 - 3.5m	m	IPB 0.56	19.04	ILA 0.56	40.49	47.27	106.80	16.02
depth, 3.5 - 4m	m	IPB 0.66	22.44	ILA 0.66	47.72	47.27	117.43	17.61
200mm								
depth, not exceeding 1.5m	m	IPB 0.32	10.88	ILA 0.32	23.14	82.03	116.05	17.41
depth, 1.5 - 2m	m	IPB 0.38	12.92	ILA 0.38	27.47	82.03	122.42	18.36
depth, 2 - 2.5m	m	IPB 0.44	14.96	ILA 0.44	31.81	82.03	128.80	19.32

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Cast iron pipes, 200mm bore (cont'd)								
depth, 2.5 - 3m	m	IPB 0.52	17.68	ILA 0.52	37.60	82.03	137.31	20.60
depth, 3 - 3.5m	m	IPB 0.60	20.40	ILA 0.60	43.38	82.03	145.81	21.87
depth, 3.5 - 4m	m	IPB 0.70	23.80	ILA 0.94	67.96	82.03	173.79	26.07
250mm								
depth, not exceeding 1.5m	m	IPB 0.36	12.24	ILA 0.36	26.03	117.39	155.66	23.35
depth, 1.5 - 2m	m	IPB 0.42	14.28	ILA 0.42	30.37	117.39	162.04	24.31
depth, 2 - 2.5m	m	IPB 0.48	16.32	ILA 0.48	34.70	117.39	168.41	25.26
depth, 2.5 - 3m	m	IPB 0.56	19.04	ILA 0.56	40.49	117.39	176.92	26.54
depth, 3 - 3.5m	m	IPB 0.64	21.76	ILA 0.64	46.27	117.39	185.42	27.81
depth, 3.5 - 4m	m	IPB 0.74	25.16	ILA 0.74	53.50	117.39	196.05	29.41
300mm								
depth, not exceeding 1.5m	m	IPB 0.40	13.60	ILA 0.40	28.92	144.25	186.77	28.02
depth, 1.5 - 2m	m	IPB 0.46	15.64	ILA 0.46	33.26	144.25	193.15	28.97
depth, 2 - 2.5m	m	IPB 0.52	17.68	ILA 0.52	37.60	144.25	199.53	29.93
depth, 2.5 - 3m	m	IPB 0.60	20.40	ILA 0.60	43.38	144.25	208.03	31.20
depth, 3 - 3.5m	m	IPB 0.68	23.12	ILA 0.68	49.16	144.25	216.53	32.48
depth, 3.5 - 4m	m	IPB 0.78	26.52	ILA 0.78	56.39	144.25	227.16	34.07
400mm								
depth, not exceeding 1.5m	m	IPB 0.44	14.96	ILA 0.44	31.81	209.10	255.87	38.38

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Cast iron pipes, 400mm bore (cont'd)								
depth, 1.5 - 2m	m	IPB 0.50	17.00	ILA 0.50	36.15	209.10	262.25	39.34
depth, 2 - 2.5m	m	IPB 0.56	19.04	ILA 0.56	40.49	209.10	268.63	40.29
depth, 2.5 - 3m	m	IPB 0.64	21.76	ILA 0.64	46.27	209.10	277.13	41.57
depth, 3 - 3.5m	m	IPB 0.72	24.48	ILA 0.72	52.06	209.10	285.64	42.85
depth, 3.5 - 4m	m	IPB 0.82	27.88	ILA 0.82	59.29	209.10	296.27	44.44
500mm								
depth, not exceeding 1.5m	m	IPB 0.48	16.32	ILA 0.48	34.70	387.57	438.59	65.79
depth, 1.5 - 2m	m	IPB 0.54	18.36	ILA 0.54	39.04	387.57	444.97	66.75
depth, 2 - 2.5m	m	IPB 0.60	20.40	ILA 0.60	43.38	387.57	451.35	67.70
depth, 2.5 - 3m	m	IPB 0.68	23.12	ILA 0.68	49.16	387.57	459.85	68.98
depth, 3 - 3.5m	m	IPB 0.76	25.84	ILA 0.76	54.95	387.57	468.36	70.25
depth, 3.5 - 4m	m	IPB 0.86	29.24	ILA 0.86	62.18	387.57	478.99	71.85
600mm								
depth, not exceeding 1.5m	m	IPB 0.52	17.68	ILA 0.52	37.60	459.29	514.57	77.18
depth, 1.5 - 2m	m	IPB 0.58	19.72	ILA 0.58	41.93	459.29	520.94	78.14
depth, 2 - 2.5m	m	IPB 0.64	21.76	ILA 0.64	46.27	459.29	527.32	79.10
depth, 2.5 - 3m	m	IPB 0.72	24.48	ILA 0.72	52.06	459.29	535.83	80.37
depth, 3 - 3.5m	m	IPB 0.80	27.20	ILA 0.80	57.84	459.29	544.33	81.65
depth, 3.5 - 4m	m	IPB 0.90	30.60	ILA 0.90	65.07	459.29	554.96	83.24

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Ductile iron pipes								
Ductile iron pipes to BS EN 598, spigot and socket, gasket joints, nominal bore								
80mm								
depth, not exceeding 1.5m	m	IPB 0.20	6.80	ILA 0.20	14.46	23.72	44.98	6.75
depth, 1.5 - 2m	m	IPB 0.26	8.84	ILA 0.26	18.80	23.72	51.36	7.70
depth, 2 - 2.5m	m	IPB 0.32	10.88	ILA 0.32	23.14	23.72	57.74	8.66
depth, 2.5 - 3m	m	IPB 0.40	13.60	ILA 0.40	28.92	23.72	66.24	9.94
depth, 3 - 3.5m	m	IPB 0.48	16.32	ILA 0.48	34.70	23.72	74.74	11.21
depth, 3.5 - 4m	m	IPB 0.58	19.72	ILA 0.58	41.93	23.72	85.37	12.81
100mm								
depth, not exceeding 1.5m	m	IPB 0.24	8.16	ILA 0.24	17.35	29.89	55.40	8.31
depth, 1.5 - 2m	m	IPB 0.30	10.20	ILA 0.30	21.69	29.89	61.78	9.27
depth, 2 - 2.5m	m	IPB 0.36	12.24	ILA 0.36	26.03	29.89	68.16	10.22
depth, 2.5 - 3m	m	IPB 0.44	14.96	ILA 0.44	31.81	29.89	76.66	11.50
depth, 3 - 3.5m	m	IPB 0.52	17.68	ILA 0.52	37.60	29.89	85.17	12.77
depth, 3.5 - 4m	m	IPB 0.62	21.08	ILA 0.62	44.83	29.89	95.80	14.37
150mm								
depth, not exceeding 1.5m	m	IPB 0.28	9.52	ILA 0.28	20.24	33.42	63.18	9.48
depth, 1.5 - 2m	m	IPB 0.34	11.56	ILA 0.34	24.58	33.42	69.56	10.43
depth, 2 - 2.5m	m	IPB 0.40	13.60	ILA 0.40	28.92	33.42	75.94	11.39

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Ductile iron pipes, 150mm bore (cont'd)								
depth, 2.5 - 3m	m	IPB 0.48	16.32	ILA 0.48	34.70	33.42	84.44	12.67
depth, 3 - 3.5m	m	IPB 0.56	19.04	ILA 0.56	40.49	33.42	92.95	13.94
depth, 3.5 - 4m	m	IPB 0.66	22.44	ILA 0.66	47.72	33.42	103.58	15.54
200mm								
depth, not exceeding 1.5m	m	IPB 0.32	10.88	ILA 0.32	23.14	82.03	116.05	17.41
depth, 1.5 - 2m	m	IPB 0.38	12.92	ILA 0.38	27.47	82.03	122.42	18.36
depth, 2 - 2.5m	m	IPB 0.44	14.96	ILA 0.44	31.81	82.03	128.80	19.32
depth, 2.5 - 3m	m	IPB 0.52	17.68	ILA 0.52	37.60	82.03	137.31	20.60
depth, 3 - 3.5m	m	IPB 0.60	20.40	ILA 0.60	43.38	82.03	145.81	21.87
depth, 3.5 - 4m	m	IPB 0.70	23.80	ILA 0.94	67.96	82.03	173.79	26.07
250mm								
depth, not exceeding 1.5m	m	IPB 0.36	12.24	ILA 0.36	26.03	117.39	155.66	23.35
depth, 1.5 - 2m	m	IPB 0.42	14.28	ILA 0.42	30.37	117.39	162.04	24.31
depth, 2 - 2.5m	m	IPB 0.48	16.32	ILA 0.48	34.70	117.39	168.41	25.26
depth, 2.5 - 3m	m	IPB 0.56	19.04	ILA 0.56	40.49	117.39	176.92	26.54
depth, 3 - 3.5m	m	IPB 0.64	21.76	ILA 0.64	46.27	117.39	185.42	27.81
depth, 3.5 - 4m	m	IPB 0.74	25.16	ILA 0.74	53.50	117.39	196.05	29.41
300mm								
depth, not exceeding 1.5m	m	IPB 0.40	13.60	ILA 0.40	28.92	68.47	110.99	16.65
depth, 1.5 - 2m	m	IPB 0.46	15.64	ILA 0.46	33.26	68.47	117.37	17.61

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Ductile iron pipes, 300mm bore (cont'd)								
		IPB		ILA				
depth, 2 - 2.5m	m	0.52	17.68	0.52	37.60	68.47	123.75	18.56
		IPB		ILA				
depth, 2.5 - 3m	m	0.60	20.40	0.60	43.38	68.47	132.25	19.84
		IPB		ILA				
depth, 3 - 3.5m	m	0.68	23.12	0.68	49.16	68.47	140.75	21.11
		IPB		ILA				
depth, 3.5 - 4m	m	0.78	26.52	0.78	56.39	68.47	151.38	22.71
350mm								
		IPB		ILA				
depth, not exceeding 1.5m	m	0.42	14.28	0.42	30.37	84.85	129.50	19.42
		IPB		ILA				
depth, 1.5 - 2m	m	0.48	16.32	0.48	34.70	84.85	135.87	20.38
		IPB		ILA				
depth, 2 - 2.5m	m	0.54	18.36	0.54	39.04	84.85	142.25	21.34
		IPB		ILA				
depth, 2.5 - 3m	m	0.62	21.08	0.62	44.83	84.85	150.76	22.61
		IPB		ILA				
depth, 3 - 3.5m	m	0.70	23.80	0.70	50.61	84.85	159.26	23.89
		IPB		ILA				
depth, 3.5 - 4m	m	0.80	27.20	0.80	57.84	84.85	169.89	25.48
400mm								
		IPB		ILA				
depth, not exceeding 1.5m	m	0.44	14.96	0.44	31.81	101.66	148.43	22.26
		IPB		ILA				
depth, 1.5 - 2m	m	0.50	17.00	0.50	36.15	101.66	154.81	23.22
		IPB		ILA				
depth, 2 - 2.5m	m	0.56	19.04	0.56	40.49	101.66	161.19	24.18
		IPB		ILA				
depth, 2.5 - 3m	m	0.64	21.76	0.64	46.27	101.66	169.69	25.45
		IPB		ILA				
depth, 3 - 3.5m	m	0.72	24.48	0.72	52.06	101.66	178.20	26.73
		IPB		ILA				
depth, 3.5 - 4m	m	0.82	27.88	0.82	59.29	101.66	188.83	28.32
450mm								
		IPB		ILA				
depth, not exceeding 1.5m	m	0.46	15.64	0.46	33.26	120.77	169.67	25.45

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Ductile iron pipes, 450mm bore (cont'd)								
depth, 1.5 - 2m	m	IPB 0.52	17.68	ILA 0.52	37.60	120.77	176.05	26.41
depth, 2 - 2.5m	m	IPB 0.58	19.72	ILA 0.58	41.93	120.77	182.42	27.36
depth, 2.5 - 3m	m	IPB 0.66	22.44	ILA 0.66	47.72	120.77	190.93	28.64
depth, 3 - 3.5m	m	IPB 0.74	25.16	ILA 0.74	53.50	120.77	199.43	29.91
depth, 3.5 - 4m	m	IPB 0.84	28.56	ILA 0.84	60.73	101.66	190.95	28.64
500mm								
depth, not exceeding 1.5m	m	IPB 0.48	16.32	ILA 0.48	34.70	140.59	191.61	28.74
depth, 1.5 - 2m	m	IPB 0.54	18.36	ILA 0.54	39.04	140.59	197.99	29.70
depth, 2 - 2.5m	m	IPB 0.60	20.40	ILA 0.60	43.38	140.59	204.37	30.66
depth, 2.5 - 3m	m	IPB 0.68	23.12	ILA 0.68	49.16	140.59	212.87	31.93
depth, 3 - 3.5m	m	IPB 0.76	25.84	ILA 0.76	54.95	140.59	221.38	33.21
depth, 3.5 - 4m	m	IPB 0.86	29.24	ILA 0.86	62.18	140.59	232.01	34.80
600mm								
depth, not exceeding 1.5m	m	IPB 0.52	17.68	ILB 0.52	44.74	185.79	248.21	37.23
depth, 1.5 - 2m	m	IPB 0.58	19.72	ILB 0.58	49.90	185.79	255.41	38.31
depth, 2 - 2.5m	m	IPB 0.64	21.76	ILB 0.64	55.07	185.79	262.62	39.39
depth, 2.5 - 3m	m	IPB 0.72	24.48	ILB 0.72	61.95	185.79	272.22	40.83
depth, 3 - 3.5m	m	IPB 0.80	27.20	ILB 0.80	68.83	185.79	281.82	42.27
depth, 3.5 - 4m	m	IPB 0.90	30.60	ILB 0.90	77.44	185.79	293.83	44.07

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Ductile iron pipes, (cont'd)								
700mm								
depth, not exceeding 1.5m	m	IPB 0.56	19.04	ILB 0.56	48.18	279.80	347.02	52.05
depth, 1.5 - 2m	m	IPB 0.62	21.08	ILB 0.62	53.34	279.80	354.22	53.13
depth, 2 - 2.5m	m	IPB 0.68	23.12	ILB 0.68	58.51	279.80	361.43	54.21
depth, 2.5 - 3m	m	IPB 0.76	25.84	ILB 0.76	65.39	279.80	371.03	55.65
depth, 3 - 3.5m	m	IPB 0.84	28.56	ILB 0.84	72.27	279.80	380.63	57.10
depth, 3.5 - 4m	m	IPB 0.94	31.96	ILB 0.94	80.88	279.80	392.64	58.90
800mm								
depth, not exceeding 1.5m	m	IPB 0.60	20.40	ILB 0.60	51.62	300.36	372.38	55.86
depth, 1.5 - 2m	m	IPB 0.66	22.44	ILB 0.66	56.79	300.36	379.59	56.94
depth, 2 - 2.5m	m	IPB 0.72	24.48	ILB 0.72	61.95	300.36	386.79	58.02
depth, 2.5 - 3m	m	IPB 0.80	27.20	ILB 0.80	68.83	300.36	396.39	59.46
depth, 3 - 3.5m	m	IPB 0.88	29.92	ILB 0.88	75.72	300.36	406.00	60.90
depth, 3.5 - 4m	m	IPB 0.98	33.32	ILB 0.98	84.32	300.36	418.00	62.70
Steel pipes								
Steel pipes to BS 3601 with welded joints, nominal bore								
100mm								
depth, not exceeding 1.5m	m	IPB 0.24	8.16	ILA 0.24	17.35	24.42	49.93	7.49
depth, 1.5 - 2m	m	IPB 0.30	10.20	ILA 0.30	21.69	24.42	56.31	8.45
depth, 2 - 2.5m	m	IPB 0.36	12.24	ILA 0.36	26.03	24.42	62.69	9.40

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Steel pipes, 100mm bore (cont'd)								
depth, 2.5 - 3m	m	IPB 0.44	14.96	ILA 0.44	31.81	24.42	71.19	10.68
depth, 3 - 3.5m	m	IPB 0.52	17.68	ILA 0.52	37.60	24.42	79.70	11.95
depth, 3.5 - 4m	m	IPB 0.62	21.08	ILA 0.62	44.83	24.42	90.33	13.55
150mm								
depth, not exceeding 1.5m	m	IPB 0.28	9.52	ILA 0.28	20.24	31.16	60.92	9.14
depth, 1.5 - 2m	m	IPB 0.34	11.56	ILA 0.34	24.58	31.16	67.30	10.10
depth, 2 - 2.5m	m	IPB 0.40	13.60	ILA 0.40	28.92	31.16	73.68	11.05
depth, 2.5 - 3m	m	IPB 0.48	16.32	ILA 0.48	34.70	31.16	82.18	12.33
depth, 3 - 3.5m	m	IPB 0.56	19.04	ILA 0.56	40.49	31.16	90.69	13.60
depth, 3.5 - 4m	m	IPB 0.66	22.44	ILA 0.66	47.72	31.16	101.32	15.20
200mm								
depth, not exceeding 1.5m	m	IPB 0.32	10.88	ILA 0.32	23.14	32.39	66.41	9.96
depth, 1.5 - 2m	m	IPB 0.38	12.92	ILA 0.38	27.47	32.39	72.78	10.92
depth, 2 - 2.5m	m	IPB 0.44	14.96	ILA 0.44	31.81	32.39	79.16	11.87
depth, 2.5 - 3m	m	IPB 0.52	17.68	ILA 0.52	37.60	32.39	87.67	13.15
depth, 3 - 3.5m	m	IPB 0.60	20.40	ILA 0.60	43.38	32.39	96.17	14.43
depth, 3.5 - 4m	m	IPB 0.70	23.80	ILA 0.94	67.96	32.39	124.15	18.62
250mm								
depth, not exceeding 1.5m	m	IPB 0.36	12.24	ILA 0.36	26.03	32.93	71.20	10.68

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
Steel pipes, 250mm bore (cont'd)								
depth, 1.5 - 2m	m	IPB 0.42	14.28	ILA 0.42	30.37	32.93	77.58	11.64
depth, 2 - 2.5m	m	IPB 0.48	16.32	ILA 0.48	34.70	32.93	83.95	12.59
depth, 2.5 - 3m	m	IPB 0.56	19.04	ILA 0.56	40.49	32.93	92.46	13.87
depth, 3 - 3.5m	m	IPB 0.64	21.76	ILA 0.64	46.27	32.93	100.96	15.14
depth, 3.5 - 4m	m	IPB 0.74	25.16	ILA 0.74	53.50	32.93	111.59	16.74
300mm								
depth, not exceeding 1.5m	m	IPB 0.40	13.60	ILA 0.40	28.92	41.64	84.16	12.62
depth, 1.5 - 2m	m	IPB 0.46	15.64	ILA 0.46	33.26	41.64	90.54	13.58
depth, 2 - 2.5m	m	IPB 0.52	17.68	ILA 0.52	37.60	41.64	96.92	14.54
depth, 2.5 - 3m	m	IPB 0.60	20.40	ILA 0.60	43.38	41.64	105.42	15.81
depth, 3 - 3.5m	m	IPB 0.68	23.12	ILA 0.68	49.16	41.64	113.92	17.09
depth, 3.5 - 4m	m	IPB 0.78	26.52	ILA 0.78	56.39	41.64	124.55	18.68
PVC pipes								
Unplasticised polyvinyl chloride pipes, polypropylene couplings, nominal bore								
82mm								
depth, not exceeding 1.5m	m	IPB 0.16	5.44	ILA 0.16	11.57	10.40	27.41	4.11
depth, 1.5 - 2m	m	IPB 0.20	6.80	ILA 0.20	14.46	10.40	31.66	4.75
depth, 2 - 2.5m	m	IPB 0.24	8.16	ILA 0.24	17.35	10.40	35.91	5.39
depth, 2.5 - 3m	m	IPB 0.28	9.52	ILA 0.28	20.24	10.40	40.16	6.02

	Unit	Plant gang hours	Net plant £	Labour gang hours	Net labour £	Net mat'ls £	Net total £	O'heads & profit £
PVC pipes, 82mm bore (cont'd)								
depth, 3 - 3.5m	m	IPB 0.32	10.88	ILA 0.32	23.14	10.40	44.42	6.66
depth, 3.5 - 4m	m	IPB 0.36	12.24	ILA 0.36	26.03	10.40	48.67	7.30
110mm								
depth, not exceeding 1.5m	m	IPB 0.16	5.44	ILA 0.16	11.57	8.39	25.40	3.81
depth, 1.5 - 2m	m	IPB 0.20	6.80	ILA 0.20	14.46	8.39	29.65	4.45
depth, 2 - 2.5m	m	IPB 0.24	8.16	ILA 0.24	17.35	8.39	33.90	5.09
depth, 2.5 - 3m	m	IPB 0.28	9.52	ILA 0.28	20.24	8.39	38.15	5.72
depth, 3 - 3.5m	m	IPB 0.32	10.88	ILA 0.32	23.14	8.39	42.41	6.36
depth, 3.5 - 4m	m	IPB 0.36	12.24	ILA 0.36	26.03	8.39	46.66	7.00