



Appendix B - Secondary Road Elemental Breakdown

Item	SERIES 500 - Drainage and Service Ducts	Qty.	Unit	Rate	Total
Total carried forward:					£ 200,876.50
	<u>Services</u>				
A	Water main in trench (assumed 225mm) including sand bed and surround and backfill upon completion.	252	m	£ 280.00	£ 70,560.00
B	Lay LV electric main in trench including sand bed and surround and backfill upon completion.	252	m	£ 80.00	£ 20,160.00
C	Excavate for 4 way BT including sand bed and surround and backfill upon completion. Ducts free issue.	252	m	£ 60.00	£ 15,120.00
D	Combined utility ducted road crossings; Water main in duct, single LV cable and 2-way BT including concrete bed, surround and backfill with type 1.	66	m	£ 450.00	£ 29,700.00
E	Excavate for and construct BT Boxes (every 40m both sides) plus road crossings.	10	nr	£ 850.00	£ 8,500.00
F	Allow for excavating draw and joint pits for LV cable works both sides plus crossings.	20	nr	£ 300.00	£ 6,000.00
G	Allowance for water valve chambers.	20	nr	£ 225.00	£ 4,500.00
H	Feeder pillar, complete installation, including base and DNO connection (1no every 100m).	3	nr	£ 1,500.00	£ 4,500.00
I	Lay Onsite HV electric main in trench including sand bed and surround and backfill upon completion.	27	m	£ 80.00	£ 2,160.00
Series 500 Total Carried to Summary					£ 362,076.50



Appendix B - Secondary Road Elemental Breakdown

Item	SERIES 600 - Earthworks	Qty.	Unit	Rate	Total
	<u>Excavation</u>				
A	Excavation of acceptable material Class 5A, 250mm thick.	0	m ³	£ 5.50	£ -
B	Excavation of acceptable material excluding Class 5A in cutting and other excavation.	1,471	m ³	£ 6.50	£ 9,561.50
	<u>Disposal of Acceptable Material</u>				
C	Disposal of acceptable material class 5A on-site.	0	m ³	£ 3.25	£ -
D	Disposal of acceptable material excluding class 5A on-site.	0	m ³	£ 3.25	£ -
	<u>Deposition of Acceptable Material</u>				
E	Deposition of acceptable material class 5A in areas of fill from on-site stockpiles.	0	m ³	£ 6.50	£ -
F	Deposition of acceptable material excluding class 5A in areas of fill from on-site stockpiles.	1,471	m ³	£ 6.50	£ 9,561.50
	<u>Imported Material</u>				
G	Imported acceptable material Class 6F5, for use as capping, 350mm thick (Assumed 3% CBR).	563	m ³	£ 55.00	£ 30,965.00
	<u>Compaction of Fill</u>				
H	Compaction of imported capping material 6F5	563	m ³	£ 3.50	£ 1,970.50
	<u>Completion of Formation and Sub-Formation</u>				
I	Completion of formation	1,907	m ²	£ 1.50	£ 2,860.50
J	Completion of sub-formation	1,609	m ²	£ 1.50	£ 2,413.50
	<u>Soft Spots and Other Voids</u>				
K	Allowance for excavating soft spots and other voids (5%)	74	m ³	£ 7.50	£ 555.00
L	Allowance for filling soft spots and other voids	74	m ³	£ 55.00	£ 4,070.00
	<u>Geogrid</u>				
M	Geotextile membrane	0	m ²	£ 3.00	£ -
	<u>Topsoiling</u>				
N	Imported Topsoil to verge areas (250mm)	147	m ²	£ 10.00	£ 1,470.00
Series 600 Total Carried to Summary					£ 63,427.50



Appendix B - Secondary Road Elemental Breakdown

Item	SERIES 700 - Pavements	Qty.	Unit	Rate	Total
	<u>Sub-base</u>				
A	Imported acceptable material (Type 1) for use as sub-base, 150mm thick	286	m ³	£ 90.00	£ 25,740.00
	<u>Pavement</u>				
B	Base course, 100mm thick	1,450	m ²	£ 35.00	£ 50,750.00
C	Binder course, 60mm thick	1,450	m ²	£ 16.00	£ 23,200.00
D	Surface course, 30mm thick (assumed HRA)	1,450	m ²	£ 20.00	£ 29,000.00
	<u>Tie In</u>				
E	Tie in access road into existing Road.	6	m	£ 150.00	£ 900.00
Series 700 Total Carried to Summary					£ 129,590.00



Appendix B - Secondary Road Elemental Breakdown

Item	SERIES 1100 - Kerbs, Footways and Paved Areas	Qty.	Unit	Rate	Total
	<u>Footways and Paved Areas</u>				
A	Footway/Cycleway; comprising 200mm sub-base, 50mm binder course, 20mm surface course.	1,004	m ²	£ 60.00	£ 60,240.00
B	Footway/Cycleway Crossovers; comprising 250mm sub-base, 50mm binder course, 20mm surface course.	63	m ²	£ 64.00	£ 4,032.00
	<u>Kerbs and Edgings</u>				
C	PCC half battered kerb with 125mm upstand	413	m	£ 42.00	£ 17,346.00
D	Dropped kerb	126	m	£ 42.00	£ 5,292.00
E	PCC flat top edging	628	m	£ 25.00	£ 15,700.00
F	Granite Setts to form rumble strips upon entrance to development.	7	m ²	£ 80.00	£ 560.00
Series 1100 Total Carried to Summary					£ 103,170.00



Appendix B - Secondary Road Elemental Breakdown

Item	SERIES 1200 - Traffic Signs and Road Markings	Qty.	Unit	Rate	Total
	<u>Traffic Signs</u>				
A	Estate name plates	2	nr	£ 1,500.00	£ 3,000.00
	<u>Road Markings</u>				
B	Allowance for road markings to surface course		item		£ 1,500.00
Series 1200 Total Carried to Summary					£ 4,500.00



Appendix B - Secondary Road Elemental Breakdown

Item	SERIES 1300 - Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts	Qty.	Unit	Rate	Total
	<u>Road Lighting Columns</u>				
A	Road lighting columns (taken every 30m, alternating sides of carriageway), 6m high tubular steel with LED lantern.	8	nr	£ 2,500.00	20,000.00
Series 1300 Total Carried to Summary					£ 20,000.00



Appendix B - Secondary Road Elemental Breakdown

Item	SERIES 1400 - Electrical Work for Road Lighting and Traffic Signs	Qty.	Unit	Rate	Total
	<u>Electrical Work for Lighting</u>				
A	Excavate trench for LV supply to streetlighting columns including sand bed and surround, ductwork and backfill to formation.	252	m	£ 45.00	£ 11,340.00
B	Excavate trench for LV supply to streetlighting columns including concrete bed and surround, ductwork and backfill to formation - Road Crossings.	42	m	£ 60.00	£ 2,520.00
Series 1400 Total Carried to Summary					£ 13,860.00



Appendix B - Secondary Road Elemental Breakdown

Item	SERIES 3000 - Landscape and Ecology	Qty.	Unit	Rate	Total
	<u>Trees</u>				
A	Tree planting in tree pits within verge, including grille and root barrier.	11	nr	£ 1,250.00	£ 13,750.00
	<u>Grass Seeding</u>				
B	Included Elsewhere		m²		Incl.
Series 3000 Total Carried to Summary					£ 13,750.00

Appendix C
Tertiary Road Elemental Breakdown



Appendix C - Tertiary Road Elemental Breakdown

<u>Summary</u>	<u>Cost (£)</u>
SERIES 200 - Site Clearance	£ -
SERIES 500 - Drainage and Service Ducts	£ 329,890.00
SERIES 600 - Earthworks	£ 71,050.50
SERIES 700 - Pavements	£ 162,261.00
SERIES 1100 - Kerbs, Footways and Paved Areas	£ 30,322.00
SERIES 1200 - Traffic Signs and Road Markings	£ 4,500.00
SERIES 1300 - Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts	£ 25,000.00
SERIES 1400 - Electrical Work for Road Lighting and Traffic Signs	£ 16,365.00
SERIES 3000 - Landscape and Ecology	£ -
Total	£ 639,389.00
Total (£/m)	£ 2,153.00



Appendix C - Tertiary Road Elemental Breakdown

Item	SERIES 200 - Site Clearance	Qty.	Unit	Rate	Total
	<u>General Site Clearance</u>				
A	General Site Clearance				Excl.
Series 200 Total Carried to Summary					£ -



Appendix C - Tertiary Road Elemental Breakdown

Item	SERIES 500 - Drainage and Service Ducts	Qty.	Unit	Rate	Total
	<u>Gullies and gully leads</u>				
A	Excavate for and construct PCC Gullies (450x900) including cover and frame (1no. per 15m of c'way).	20	nr	£ 580.00	£ 11,600.00
B	Excavate trench for and lay gully leads, 150mm dia. Pipe, depth not exceeding 2.00m deep including granular bed and surround (2.25m per gully).	45	m	£ 180.00	£ 8,100.00
C	Allowance for terram covering to gully/capping pipes	20	nr	£ 50.00	£ 1,000.00
	<u>Surface Water Sewers</u>				
D	Excavate trench for and lay Surface Water sewers; 225mm dia. pipe exceeding 1m but not exceeding 2m deep including concrete bed and surround and backfill to formation.	100	m	£ 230.00	£ 23,000.00
E	Excavate trench for and lay Surface Water sewers; 225mm dia. pipe exceeding 1m but not exceeding 2m deep including granular bed and surround and backfill to formation.	82	m	£ 180.00	£ 14,760.00
F	Excavate trench for and lay Surface Water sewers; 300mm dia. pipe exceeding 1m but not exceeding 2m deep including granular bed and surround and backfill to formation.	9	m	£ 260.00	£ 2,340.00
	<u>Surface Water Manholes</u>				
G	Excavate for and construct PCC inspection chamber, 1800mm dia. Not exceeding 2m deep, including cover and frame.	9	nr	£ 4,450.00	£ 40,050.00
	<u>Foul Water Sewers</u>				
H	Excavate trench for and lay Foul Water sewers; 150mm dia. pipe exceeding 1m but not exceeding 2m deep including granular bed and surround and backfill to formation.	21	m	£ 170.00	£ 3,570.00
I	Excavate trench for and lay Foul Water sewers; 150mm dia. pipe exceeding 2m but not exceeding 3m deep including granular bed and surround and backfill to formation.	110	m	£ 150.00	£ 16,500.00
J	Excavate trench for and lay Foul Water sewers; 225mm dia. pipe exceeding 2m but not exceeding 3m deep including granular bed and surround and backfill to formation.	71	m	£ 230.00	£ 16,330.00
	<u>Foul Water Manholes</u>				
K	Excavate for and construct PCC inspection chamber, 1200mm dia. Not exceeding 2m deep, including cover and frame.	5	nr	£ 3,250.00	£ 16,250.00
Total brought forward:					£ 153,500.00



Appendix C - Tertiary Road Elemental Breakdown

Item	SERIES 500 - Drainage and Service Ducts	Qty.	Unit	Rate	Total
Total carried forward:					£ 153,500.00
	<u>Foul Water Manholes Continued</u>				
A	Excavate for and construct PCC inspection chamber, 1200mm dia. exceeding 2m deep but not exceeding 3m deep, including cover and frame.	5	nr	£ 3,650.00	£ 18,250.00
	<u>Services</u>				
B	Water main in trench (assumed 225mm) including sand bed and surround and backfill upon completion.	297	m	£ 280.00	£ 83,160.00
C	Lay LV electric main in trench including sand bed and surround and backfill upon completion.	297	m	£ 80.00	£ 23,760.00
D	Excavate for 4 way BT including sand bed and surround and backfill upon completion. Ducts free issue.	297	m	£ 60.00	£ 17,820.00
E	Combined utility ducted road crossings; Water main in duct, single LV cable and 2-way BT including concrete bed, surround and backfill with type 1.	22	m	£ 450.00	£ 9,900.00
F	Excavate for and construct BT Boxes (every 40m both sides) plus road crossings.	10	nr	£ 850.00	£ 8,500.00
G	Allow for excavating draw and joint pits for LV cable works both sides plus crossings.	20	nr	£ 300.00	£ 6,000.00
H	Allowance for water valve chambers.	20	nr	£ 225.00	£ 4,500.00
I	Feeder pillar, complete installation, including base and DNO connection (1no every 100m).	3	nr	£ 1,500.00	£ 4,500.00
Series 500 Total Carried to Summary					£ 329,890.00



Appendix C - Tertiary Road Elemental Breakdown

Item	SERIES 600 - Earthworks	Qty.	Unit	Rate	Total
	<u>Excavation</u>				
A	Excavation of acceptable material Class 5A, 250mm thick.	0	m ³	£ 5.50	£ -
B	Excavation of acceptable material excluding Class 5A in cutting and other excavation.	1,409	m ³	£ 6.50	£ 9,158.50
	<u>Disposal of Acceptable Material</u>				
C	Disposal of acceptable material class 5A on-site.	0	m ³	£ 3.25	£ -
D	Disposal of acceptable material excluding class 5A on-site.	0	m ³	£ 3.25	£ -
	<u>Deposition of Acceptable Material</u>				
E	Deposition of acceptable material class 5A in areas of fill from on-site stockpiles.	0	m ³	£ 6.50	£ -
F	Deposition of acceptable material excluding class 5A in areas of fill from on-site stockpiles.	1,409	m ³	£ 6.50	£ 9,158.50
	<u>Imported Material</u>				
G	Imported acceptable material Class 6F5, for use as capping, 350mm thick (Assumed 3% CBR).	721	m ³	£ 55.00	£ 39,655.00
	<u>Compaction of Fill</u>				
H	Compaction of imported capping material 6F5	721	m ³	£ 3.50	£ 2,523.50
	<u>Completion of Formation and Sub-Formation</u>				
I	Completion of formation	2,060	m ²	£ 1.50	£ 3,090.00
J	Completion of sub-formation	2,060	m ²	£ 1.50	£ 3,090.00
	<u>Soft Spots and Other Voids</u>				
K	Allowance for excavating soft spots and other voids (5%)	70	m ³	£ 7.50	£ 525.00
L	Allowance for filling soft spots and other voids	70	m ³	£ 55.00	£ 3,850.00
	<u>Geogrid</u>				
M	Geotextile membrane	0	m ²	£ 3.00	£ -
	<u>Topsoiling</u>				
N	Imported Topsoil to verge areas (250mm)	0	m ²	£ 10.00	£ -
Series 600 Total Carried to Summary					£ 71,050.50



Appendix C - Tertiary Road Elemental Breakdown

Item	SERIES 700 - Pavements	Qty.	Unit	Rate	Total
	<u>Sub-base</u>				
A	Imported acceptable material (Type 1) for use as sub-base, 150mm thick	309	m ³	£ 90.00	£ 27,810.00
	<u>Pavement</u>				
B	Base course, 100mm thick	1,881	m ²	£ 35.00	£ 65,835.00
C	Binder course, 60mm thick	1,881	m ²	£ 16.00	£ 30,096.00
D	Surface course, 30mm thick (assumed HRA)	1,881	m ²	£ 20.00	£ 37,620.00
	<u>Tie In</u>				
E	Tie in access road into existing Road.	6	m	£ 150.00	£ 900.00
Series 700 Total Carried to Summary					£ 162,261.00



Appendix C - Tertiary Road Elemental Breakdown

Item	SERIES 1100 - Kerbs, Footways and Paved Areas	Qty.	Unit	Rate	Total
	<u>Footways and Paved Areas</u>				
A	Footway/Cycleway; comprising 200mm sub-base, 50mm binder course, 20mm surface course.	81	m ²	£ 60.00	£ 4,860.00
B	Footway/Cycleway Crossovers; comprising 250mm sub-base, 50mm binder course, 20mm surface course.	0	m ²	£ 64.00	£ -
	<u>Kerbs and Edgings</u>				
C	PCC half battered kerb with 125mm upstand	345	m	£ 42.00	£ 14,490.00
D	Dropped kerb	216	m	£ 42.00	£ 9,072.00
E	PCC flat top edging	76	m	£ 25.00	£ 1,900.00
Series 1100 Total Carried to Summary					£ 30,322.00



Appendix C - Tertiary Road Elemental Breakdown

Item	SERIES 1200 - Traffic Signs and Road Markings	Qty.	Unit	Rate	Total
	<u>Traffic Signs</u>				
A	Estate name plates	2	nr	£ 1,500.00	£ 3,000.00
	<u>Road Markings</u>				
B	Allowance for road markings to surface course		item		£ 1,500.00
Series 1200 Total Carried to Summary					£ 4,500.00



Appendix C - Tertiary Road Elemental Breakdown

Item	SERIES 1300 - Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts	Qty.	Unit	Rate	Total
	<u>Road Lighting Columns</u>				
A	Road lighting columns (taken every 30m, alternating sides of carriageway), 6m high tubular steel with LED lantern.	10	nr	£ 2,500.00	25,000.00
Series 1300 Total Carried to Summary					£ 25,000.00



Appendix C - Tertiary Road Elemental Breakdown

Item	SERIES 1400 - Electrical Work for Road Lighting and Traffic Signs	Qty.	Unit	Rate	Total
	<u>Electrical Work for Lighting</u>				
A	Excavate trench for LV supply to streetlighting columns including sand bed and surround, ductwork and backfill to formation.	297	m	£ 45.00	£ 13,365.00
B	Excavate trench for LV supply to streetlighting columns including concrete bed and surround, ductwork and backfill to formation - Road Crossings.	50	m	£ 60.00	£ 3,000.00
Series 1400 Total Carried to Summary					£ 16,365.00



Appendix C - Tertiary Road Elemental Breakdown

Item	SERIES 3000 - Landscape and Ecology	Qty.	Unit	Rate	Total
	<u>Trees</u>				
A	Tree planting in tree pits within verge, including grille and root barrier.	0	nr	£ 1,250.00	Incl.
	<u>Grass Seeding</u>				
B	Emorsgate turf mix or similar approved seeding to verges.	0	m²		Incl.
Series 3000 Total Carried to Summary					£ -

Appendix D
Private Link Road Elemental Breakdown



Appendix D - Private Road Elemental Breakdown

<u>Summary</u>	<u>Cost (£)</u>
SERIES 200 - Site Clearance	£ -
SERIES 500 - Drainage and Service Ducts	£ 159,045.00
SERIES 600 - Earthworks	£ 42,542.00
SERIES 700 - Pavements	£ 168,202.00
SERIES 1100 - Kerbs, Footways and Paved Areas	£ 16,896.00
SERIES 1200 - Traffic Signs and Road Markings	£ 4,500.00
SERIES 1300 - Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts	£ 15,000.00
SERIES 1400 - Electrical Work for Road Lighting and Traffic Signs	£ 9,660.00
SERIES 3000 - Landscape and Ecology	£ 13,750.00
Total	£ 429,595.00
Total (£/m)	£ 2,441.00



Appendix D - Private Road Elemental Breakdown

Item	SERIES 200 - Site Clearance	Qty.	Unit	Rate	Total
	<u>General Site Clearance</u>				
A	General Site Clearance				Excl.
Series 200 Total Carried to Summary					£ -



Appendix D - Private Road Elemental Breakdown

Item	SERIES 500 - Drainage and Service Ducts	Qty.	Unit	Rate	Total
	<u>Gullies and gully leads</u>				
A	Excavate for and construct PCC Gullies (450x900) including cover and frame (1no. per 15m of c'way).	12	nr	£ 580.00	£ 6,960.00
B	Excavate trench for and lay gully leads, 150mm dia. Pipe, depth not exceeding 2.00m deep including granular bed and surround (2.25m per gully).	27	m	£ 180.00	£ 4,860.00
C	Allowance for terram covering to gully/capping pipes	12	nr	£ 50.00	£ 600.00
	<u>Surface Water Sewers</u>				
D	Excavate trench for and lay Surface Water sewers; 150mm dia. pipe exceeding 1m but not exceeding 2m deep including concrete bed and surround and backfill to formation.	15	m	£ 145.00	£ 2,175.00
E	Excavate trench for and lay Surface Water sewers; 150mm dia. pipe exceeding 1m but not exceeding 2m deep including granular bed and surround and backfill to formation.	20	m	£ 145.00	£ 2,900.00
F	Excavate trench for and lay Surface Water sewers; 225mm dia. pipe exceeding 1m but not exceeding 2m deep including granular bed and surround and backfill to formation.	17	m	£ 180.00	£ 3,060.00
G	Excavate trench for and lay Surface Water sewers; 300mm dia. pipe exceeding 1m but not exceeding 2m deep including granular bed and surround and backfill to formation.	43	m	£ 260.00	£ 11,180.00
	<u>Surface Water Manholes</u>				
H	Excavate for and construct PCC inspection chamber, 1800mm dia. Not exceeding 2m deep, including cover and frame.	2	nr	£ 4,450.00	£ 8,900.00
I	Excavate for and construct PCC inspection chamber, 1800mm dia. exceeding 2m deep but not exceeding 3m deep, including cover and frame.	2	nr	£ 4,950.00	£ 9,900.00
	<u>Foul Water Sewers</u>				
J	Excavate trench for and lay Foul Water sewers; 150mm dia. pipe exceeding 2m but not exceeding 3m deep including granular bed and surround and backfill to formation.	22	m	£ 150.00	£ 3,300.00
Carried Forward:					£ 53,835.00



Appendix D - Private Road Elemental Breakdown

Item	SERIES 500 - Drainage and Service Ducts	Qty.	Unit	Rate	Total
				Brought Forward:	£ 53,835.00
	<u>Foul Water Sewers Continued</u>				
A	Excavate trench for and lay Foul Water sewers; 300mm dia. pipe exceeding 2m but not exceeding 3m deep including granular bed and surround and backfill to formation.	18	m	£ 280.00	£ 5,040.00
	<u>Foul Water Manholes</u>				
B	Excavate for and construct PCC inspection chamber, 1200mm dia. Not exceeding 2m deep, including cover and frame.	1	nr	£ 3,250.00	£ 3,250.00
C	Excavate for and construct PCC inspection chamber, 1200mm dia. exceeding 3m deep but not exceeding 4m deep, including cover and frame.	1	nr	£ 3,650.00	£ 3,650.00
	<u>Services</u>				
D	Water main in trench (assumed 225mm) including sand bed and surround and backfill upon completion.	176	m	£ 280.00	£ 49,280.00
E	Lay LV electric main in trench including sand bed and surround and backfill upon completion.	176	m	£ 80.00	£ 14,080.00
F	Excavate for 4 way BT including sand bed and surround and backfill upon completion. Ducts free issue.	176	m	£ 60.00	£ 10,560.00
G	Combined utility ducted road crossings; Water main in duct, single LV cable and 2-way BT including concrete bed, surround and backfill with type 1.	11	m	£ 450.00	£ 4,950.00
H	Excavate for and construct BT Boxes (every 40m both sides) plus road crossings.	6	nr	£ 850.00	£ 5,100.00
I	Allow for excavating draw and joint pits for LV cable works both sides plus crossings.	12	nr	£ 300.00	£ 3,600.00
J	Allowance for water valve chambers.	12	nr	£ 225.00	£ 2,700.00
K	Feeder pillar, complete installation, including base and DNO connection (1no every 100m).	2	nr	£ 1,500.00	£ 3,000.00
Series 500 Total Carried to Summary					£ 159,045.00



Appendix D - Private Road Elemental Breakdown

Item	SERIES 600 - Earthworks	Qty.	Unit	Rate	Total
	<u>Excavation</u>				
A	Excavation of acceptable material Class 5A, 250mm thick.	0	m ³	£ 5.50	£ -
B	Excavation of acceptable material excluding Class 5A in cutting and other excavation.	856	m ³	£ 6.50	£ 5,564.00
	<u>Disposal of Acceptable Material</u>				
C	Disposal of acceptable material class 5A on-site.	0	m ³	£ 3.25	£ -
D	Disposal of acceptable material excluding class 5A on-site.	0	m ³	£ 3.25	£ -
	<u>Deposition of Acceptable Material</u>				
E	Deposition of acceptable material class 5A in areas of fill from on-site stockpiles.	0	m ³	£ 6.50	£ -
F	Deposition of acceptable material excluding class 5A in areas of fill from on-site stockpiles.	856	m ³	£ 6.50	£ 5,564.00
	<u>Imported Material</u>				
G	Imported acceptable material Class 6F5, for use as capping, 350mm thick (Assumed 3% CBR).	426	m ³	£ 55.00	£ 23,430.00
	<u>Compaction of Fill</u>				
H	Compaction of imported capping material 6F5	426	m ³	£ 3.50	£ 1,491.00
	<u>Completion of Formation and Sub-Formation</u>				
I	Completion of formation	1,320	m ²	£ 1.50	£ 1,980.00
J	Completion of sub-formation	1,217	m ²	£ 1.50	£ 1,825.50
	<u>Soft Spots and Other Voids</u>				
K	Allowance for excavating soft spots and other voids (5%)	43	m ³	£ 7.50	£ 322.50
L	Allowance for filling soft spots and other voids	43	m ³	£ 55.00	£ 2,365.00
	<u>Geogrid</u>				
M	Geotextile membrane	0	m ²	£ 3.00	£ -
	<u>Topsoiling</u>				
N	Imported Topsoil to verge areas (250mm)	0	m ²	£ 10.00	£ -
Series 600 Total Carried to Summary					£ 42,542.00



Appendix D - Private Road Elemental Breakdown

Item	SERIES 700 - Pavements	Qty.	Unit	Rate	Total
	<u>Sub-base</u>				
A	Imported acceptable material (Type 1) for use as sub-base, 150mm thick	198	m ³	£ 90.00	£ 17,820.00
	<u>Pavement</u>				
B	Base course, 100mm thick	1,217	m ²	£ 35.00	£ 42,595.00
C	Binder course, 60mm thick	1,217	m ²	£ 16.00	£ 19,472.00
D	Surface course, 30mm thick (assumed HRA)	1,039	m ²	£ 20.00	£ 20,780.00
	<u>Block Paving</u>				
E	E/o Herringbone Block paving to private roads	1,039	m ²	£ 60.00	£ 62,340.00
F	25mm sand blinding layer	1,039	m ²	£ 5.00	£ 5,195.00
Series 700 Total Carried to Summary					£ 168,202.00



Appendix D - Private Road Elemental Breakdown

Item	SERIES 1100 - Kerbs, Footways and Paved Areas	Qty.	Unit	Rate	Total
	<u>Footways and Paved Areas</u>				
A	Footway/Cycleway Crossovers; comprising 250mm sub-base, 50mm binder course, 20mm surface course.	12	m ²	£ 64.00	£ 768.00
	<u>Kerbs and Edgings</u>				
B	PCC half battered kerb with 125mm upstand	222	m	£ 42.00	£ 9,324.00
C	Dropped kerb	162	m	£ 42.00	£ 6,804.00
D	PCC flat top edging	0	m	£ 25.00	£ -
Series 1100 Total Carried to Summary					£ 16,896.00



Appendix D - Private Road Elemental Breakdown

Item	SERIES 1200 - Traffic Signs and Road Markings	Qty.	Unit	Rate	Total
	<u>Traffic Signs</u>				
A	Estate name plates	2	nr	£ 1,500.00	£ 3,000.00
	<u>Road Markings</u>				
B	Allowance for road markings to surface course		item		£ 1,500.00
Series 1200 Total Carried to Summary					£ 4,500.00



Appendix D - Private Road Elemental Breakdown

Item	SERIES 1300 - Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts	Qty.	Unit	Rate	Total
	<u>Road Lighting Columns</u>				
A	Road lighting columns (taken every 30m, alternating sides of carriageway), 6m high tubular steel with LED lantern.	6	nr	£ 2,500.00	15,000.00
Series 1300 Total Carried to Summary					£ 15,000.00



Appendix D - Private Road Elemental Breakdown

Item	SERIES 1400 - Electrical Work for Road Lighting and Traffic Signs	Qty.	Unit	Rate	Total
	<u>Electrical Work for Lighting</u>				
A	Excavate trench for LV supply to streetlighting columns including sand bed and surround, ductwork and backfill to formation.	176	m	£ 45.00	£ 7,920.00
B	Excavate trench for LV supply to streetlighting columns including concrete bed and surround, ductwork and backfill to formation - Road Crossings.	29	m	£ 60.00	£ 1,740.00
Series 1400 Total Carried to Summary					£ 9,660.00



Appendix D - Private Road Elemental Breakdown

Item	SERIES 3000 - Landscape and Ecology	Qty.	Unit	Rate	Total
	<u>Trees</u>				
A	Tree planting in tree pits within verge, including grille and root barrier.	11	nr	£ 1,250.00	£ 13,750.00
	<u>Grass Seeding</u>				
B	Emorsgate turf mix or similar approved seeding to verges.	0	m²	£ 1.00	£ -
Series 3000 Total Carried to Summary					£ 13,750.00

Appendix E
Attenuation Basins Breakdown



Appendix E - Attenuation Basins Breakdown

Item	Description	Qty.	Unit	Rate	Total
	<u>SW Balancing Ponds</u>				
	<u>All Basins</u>				
A	Excavation of acceptable material class 5A	0	m ³	£ 5.50	£ -
B	Excavation of acceptable material excluding class 5A.	1,810	m ³	£ 6.50	£ 11,765.00
C	Disposal of acceptable material to on-site stockpiles.	1,810	m ³	£ 3.25	£ 5,882.50
D	Import and place topsoil within pond and slopes (bed for liner).	1,451	m ²	£ 15.00	£ 21,765.00
E	Liner to pond	1,451	m ²	£ 11.00	£ 15,961.00
F	Timber post and rail fencing to boundary of basin.	313	m	£ 60.00	£ 18,780.00
Total					£ 74,150.00

Appendix F
Commercial Link Breakdown



Appendix F - Commercial Link Elemental Breakdown

<u>Summary</u>	<u>Cost (£)</u>
SERIES 200 - Site Clearance	£ -
SERIES 500 - Drainage and Service Ducts	£ 331,660.00
SERIES 600 - Earthworks	£ 94,476.50
SERIES 700 - Pavements	£ 196,846.00
SERIES 1100 - Kerbs, Footways and Paved Areas	£ 47,925.00
SERIES 1200 - Traffic Signs and Road Markings	£ 4,500.00
SERIES 1300 - Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts	£ 17,500.00
SERIES 1400 - Electrical Work for Road Lighting and Traffic Signs	£ 9,900.00
SERIES 3000 - Landscape and Ecology	£ -
Total	£ 702,808.00
Total (£/m)	£ 3,550.00



Appendix F - Commercial Link Elemental Breakdown

Item	SERIES 200 - Site Clearance	Qty.	Unit	Rate	Total
	<u>General Site Clearance</u>				
A	General Site Clearance				Excl.
Series 200 Total Carried to Summary					£ -



Appendix F - Commercial Link Elemental Breakdown

Item	SERIES 500 - Drainage and Service Ducts	Qty.	Unit	Rate	Total
	<u>Gullies and gully leads</u>				
A	Excavate for and construct PCC Gullies (450x900) including cover and frame (1no. per 15m of c'way).	14	nr	£ 580.00	£ 8,120.00
B	Excavate trench for and lay gully leads, 150mm dia. Pipe, depth not exceeding 2.00m deep including granular bed and surround (2.25m per gully).	32	m	£ 180.00	£ 5,760.00
C	Allowance for terram covering to gully/capping pipes	14	nr	£ 50.00	£ 700.00
	<u>Surface Water Sewers</u>				
D	Excavate trench for and lay Surface Water sewers; 225mm dia. pipe exceeding 1m but not exceeding 2m deep including concrete bed and surround and backfill to formation.	29	m	£ 180.00	£ 5,220.00
E	Excavate trench for and lay Surface Water sewers; 300mm dia. pipe exceeding 1m but not exceeding 2m deep including granular bed and surround and backfill to formation.	145		£ 260.00	£ 37,700.00
F	Excavate trench for and lay Surface Water sewers; 300mm dia. pipe exceeding 2m but not exceeding 3m deep including granular bed and surround and backfill to formation.	37		£ 320.00	£ 11,840.00
	<u>Surface Water Manholes</u>				
G	Excavate for and construct PCC inspection chamber, 1800mm dia. Not exceeding 2m deep, including cover and frame.	7	nr	£ 4,450.00	£ 31,150.00
H	E/O for Flow Control Chambers @ 11.5L's	1	nr	£ 7,000.00	£ 7,000.00
	<u>Foul Water Sewers</u>				
I	Excavate trench for and lay Foul Water sewers; 150mm dia. pipe exceeding 2m but not exceeding 3.0m deep including granular bed and surround and backfill to formation.	45	m	£ 230.00	£ 10,350.00
J	Excavate trench for and lay Foul Water sewers; 300mm dia. pipe exceeding 3m but not exceeding 4m deep including granular bed and surround and backfill to formation.	72	m	£ 335.00	£ 24,120.00
K	Excavate trench for and lay Foul Water sewers; 300mm dia. pipe exceeding 4m but not exceeding 5m deep including granular bed and surround and backfill to formation.	9	m	£ 435.00	£ 3,915.00
Total brought forward:					£ 145,875.00



Appendix F - Commercial Link Elemental Breakdown

Item	SERIES 500 - Drainage and Service Ducts	Qty.	Unit	Rate	Total
Total carried forward:					£ 145,875.00
	<u>Foul Water Sewers Cont'd</u>				
A	Excavate trench for and lay Foul Water sewers; 300mm dia. pipe exceeding 6m but not exceeding 7m deep including granular bed and surround and backfill to formation.	29	m	£ 625.00	£ 18,125.00
B	Excavate trench for and lay Foul Water sewers; 300mm dia. pipe exceeding 7m but not exceeding 8m deep including granular bed and surround and backfill to formation.	15	m	£ 720.00	£ 10,800.00
	<u>Foul Water Manholes</u>				
C	Excavate for and construct PCC inspection chamber, 1200mm dia. Not exceeding 2m deep, including cover and frame.	1	nr	£ 3,250.00	£ 3,250.00
D	Excavate for and construct PCC inspection chamber, 1200mm dia. Exceeding 2.0m deep but not exceeding 3.0m deep, including cover and frame.	2	nr	£ 3,650.00	£ 7,300.00
E	Excavate for and construct PCC inspection chamber, 1200mm dia. Exceeding 3.0m deep but not exceeding 4.0m deep, including cover and frame.	2	nr	£ 4,100.00	£ 8,200.00
F	Excavate for and construct PCC inspection chamber, 1200mm dia. Exceeding 5.0m deep but not exceeding 6.0m deep, including cover and frame.	1	nr	£ 5,250.00	£ 5,250.00
G	Excavate for and construct PCC inspection chamber, 1200mm dia. Exceeding 7.0m deep but not exceeding 8.0m deep, including cover and frame.	1	nr	£ 7,500.00	£ 7,500.00
	<u>Services</u>				
H	Water main in trench (assumed 225mm) including sand bed and surround and backfill upon completion.	198	m	£ 280.00	£ 55,440.00
I	Lay LV electric main in trench including sand bed and surround and backfill upon completion.	198	m	£ 80.00	£ 15,840.00
J	Excavate for 4 way BT including sand bed and surround and backfill upon completion. Ducts free issue.	198	m	£ 60.00	£ 11,880.00
K	Combined utility ducted road crossings; Water main in duct, single LV cable and 2-way BT including concrete bed, surround and backfill with type 1.	66	m	£ 450.00	£ 29,700.00
Total brought forward:					£ 319,160.00



Appendix F - Commercial Link Elemental Breakdown

Item	SERIES 500 - Drainage and Service Ducts	Qty.	Unit	Rate	Total
	Total carried forward:				£ 319,160.00
A	Excavate for and construct BT Boxes (every 40m both sides) plus road crossings.	5	nr	£ 850.00	£ 4,250.00
B	Allow for excavating draw and joint pits for LV cable works both sides plus crossings.	10	nr	£ 300.00	£ 3,000.00
C	Allowance for water valve chambers.	10	nr	£ 225.00	£ 2,250.00
D	Feeder pillar, complete installation, including base and DNO connection (1no every 100m).	2	nr	£ 1,500.00	£ 3,000.00
Series 500 Total Carried to Summary					£ 331,660.00



Appendix F - Commercial Link Elemental Breakdown

Item	SERIES 600 - Earthworks	Qty.	Unit	Rate	Total
	<u>Excavation</u>				
A	Excavation of acceptable material Class 5A, 250mm thick.	0	m³	£ 3.50	£ -
B	Excavation of acceptable material excluding Class 5A in cutting and other excavation.	1,978	m³	£ 3.50	£ 6,923.00
	<u>Disposal of Acceptable Material</u>				
C	Disposal of acceptable material class 5A on-site.	0	m³	£ 3.25	£ -
D	Disposal of acceptable material excluding class 5A on-site.	0	m³	£ 3.25	£ -
	<u>Deposition of Acceptable Material</u>				
E	Deposition of acceptable material class 5A in areas of fill from on-site stockpiles.	0	m³	£ 3.50	£ -
F	Deposition of acceptable material excluding class 5A in areas of fill from on-site stockpiles.	1,978	m³	£ 3.50	£ 6,923.00
	<u>Imported Material</u>				
G	Imported acceptable material Class 6F5, for use as capping, 350mm thick (Assumed 3% CBR).	985	m³	£ 55.00	£ 54,175.00
	<u>Compaction of Fill</u>				
H	Compaction of imported capping material 6F5	985	m³	£ 3.50	£ 3,447.50
	<u>Completion of Formation and Sub-Formation</u>				
I	Completion of formation	2,933	m²	£ 1.50	£ 4,399.50
J	Completion of sub-formation	2,814	m²	£ 1.50	£ 4,221.00
	<u>Soft Spots and Other Voids</u>				
K	Allowance for excavating soft spots and other voids (5%)	99	m³	£ 7.50	£ 742.50
L	Allowance for filling soft spots and other voids	99	m³	£ 55.00	£ 5,445.00
	<u>Geogrid</u>				
M	Geotextile membrane	0	m²	£ 3.00	£ -
	<u>Topsoiling</u>				
N	Imported Topsoil to verge areas (250mm)	820	m²	£ 10.00	£ 8,200.00
Series 600 Total Carried to Summary					£ 94,476.50



Appendix F - Commercial Link Elemental Breakdown

Item	SERIES 700 - Pavements	Qty.	Unit	Rate	Total
	<u>Sub-base</u>				
A	Imported acceptable material (Type 1) for use as sub-base, 150mm thick	440	m ³	£ 80.00	£ 35,200.00
	<u>Pavement</u>				
B	Base course, 100mm thick	2,694	m ²	£ 25.00	£ 67,350.00
C	Binder course, 60mm thick	2,694	m ²	£ 16.00	£ 43,104.00
D	Surface course, 30mm thick (assumed HRA)	2,694	m ²	£ 18.00	£ 48,492.00
	<u>Tie In</u>				
E	Tie in access road into existing Road.	18	m	£ 150.00	£ 2,700.00
Series 700 Total Carried to Summary					£ 196,846.00