

Dublin City Council

**Dodder Greenway - Milltown
Road Pedestrian and Cyclist
Improvement Scheme**

Volume C - Pricing Document

298284-11

Tender Issue | 19-06-2026

This report takes into account the particular instructions and requirements of our client.

It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

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Preambles to Bill of Quantities

General Directions

- 1 The Requirements for Measuring and Pricing (RMP) in TII Publications (Standards) is published as a collective group of documents under the Construction and Commissioning activity within the TII Publications system. The Bill of Quantities has been prepared in accordance with the RMP.
- 2 In the Bill of Quantities, the sub-headings and item descriptions identify the work covered by the respective items, read in conjunction with the matters listed against the relevant marginal headings “Item Coverage” in the different parts of the RMP, these Preambles and the amendments to the RMP immediately following these Preambles. The nature and extent of the work is to be ascertained by reference to the Works Requirements and Contract Conditions. The rates and prices entered in the Bill of Quantities shall be deemed to be the full inclusive value of the work covered by the several items including the following, unless expressly stated otherwise:
 - (a) Labour and costs in connection therewith.
 - (b) The supply of materials, goods, storage and costs in connection therewith including delivery to Site. Taking delivery of materials and goods supplied by others, unloading, storage, and costs in connection therewith
 - (c) Plant and costs in connection therewith.
 - (d) Fixing, erecting and installing or placing of materials and goods in position.
 - (e) Temporary Works.
 - (f) The effect on the phasing of the Works or any element of the Works to the extent set forth or reasonably implied in the documents on which the tender is based.
 - (g) General obligations, liabilities and risks involved in the execution of the Works set forth or reasonably implied in the documents on which the tender is based (The provision of insurances and bonds are deemed to be general obligations)..
 - (h) Establishment charges, overheads and profit.
 - (i) Waste.
 - (j) Attendance and transport for sampling and testing carried out by the Employer’s Representative, tests carried out by the Contractor in accordance with the particular requirements of Appendix 1/5, CCTV Surveys, supplying results of tests carried out by the Contractor and providing test certificates.
 - (k) Supply and delivery of samples to the Employers Representative in accordance with the particular requirements of Appendix 1/6.
 - (l) Complying with Quality Assurance schemes and providing certificates of conformity.
 - (m) Preparation and supply of plans, method statements, risk assessments detailed working drawings and the likes.
 - (n) Awaiting approvals and or consents.
 - (o) Complying with all Legal Requirements and ensure that the Contractor’s Personnel comply with all Legal Requirements,

including but not limited to those environmental, archaeological and health and safety requirements as set out in the Works Requirements and Contract Conditions.

- (p) Complying with requirements in relation to light works at locations specified in drawing set DACT-3011-ARP-STR_RW-DR-ST-0610-00.

Measurement	3	The measurement of work shall be computed net from the dimensions stated in the Contract unless otherwise stated in the RMP. Where the tender documents provide for the Contractor to select the type of buried structure (where the structure is not within Designated Outlines) to be constructed then the measurement of all work in each area so affected shall be based upon the thinnest pavement construction and surfacing over structures permitted by the Contract in that area for the particular type of buried structure the Contractor has elected to constructed.
Pricing of Items	4	Each individual item shall have a rate or price entered against it. Rates and prices shall be expressed to two decimal places. Reserved Sums and Contract Sums for Specialists will be provided by the Contracting Authority. Prices entered for attendance and management of specialist works will remain as tendered, even after the Reserved Sums are replaced with actual sums following the tendering of specialists works. These prices may not be less than zero.
Alternative Specified Materials, Designs and Options Within Types of Pavement	5	Not Used
Privately and Publicly Owned Services or Supplies	6	The information in the Contract as to the whereabouts of existing services and mains is believed to be correct but the Contractor shall not be relieved thereby of his obligations under the Contract. The Contractor shall include in his rates and prices for locating and taking measures for the support and full protection of pipes, cables and other apparatus during the progress of the Works, obtaining the written consent of the appropriate authority to interrupt the service or supply and for keeping the Employer's Representative informed of all arrangements he makes with the owners of privately owned services or supplies, Statutory Undertakers and Public Authorities as appropriate.
Labours	8	Not Used
Roadworks Overall Requirements	8	The Contractor shall allow in his rates and prices for complying with requirements in respect of pavement construction, horizontal alignments, surface levels and surface regularity of pavement courses, cold weather working, use of surfaces by traffic and construction plant, and general requirements for sub-base and bases.
Works Within and Below Any Water Condition	9	The Contractor shall allow in his prices for any items of structures designed by the Contractor provided under CC-RMP-02500, for taking measures required to execute work in any condition where there is a presence of any type of water.

Dealing with Flow	10	The Contractor shall allow in their rates and prices for taking measures to deal with existing flow of water, sewage and the like.
	11	Not Used
Site Limitations and Constraints	12	The Contractor shall allow in their rates and prices for complying with any limitations and constraints of the Site.
Hard Material	13	For the purposes of the Contract the following are designated as Hard Material in accordance with Section 2 Definitions, paragraph 1(h), (i) and (ii). (a) rock strata; (b) those deposits designated by limits shown on Drawings; (c) existing pavements, footways, paved areas (but excluding unbound materials) and foundations in masses in excess of 0.20 cubic metres.
Equivalent Products and Materials	15	Where the Contractor offers an equivalent product or material in place of the one identified or specified, which is accepted for incorporation into the Works by the Employer's Representative, then the rates and prices in the Bill of Quantities shall be deemed to include for all the obligations and costs associated with the incorporation of the equivalent into the Works, including design, provision of data and drawings, certificates, awaiting approvals, resubmissions and modifications and amendments to the Works. Unless specifically stated to the contrary in the Contract the measurement of the Works affected by the incorporation of the equivalent products and materials shall be based on the Tender documents and not on the Works as amended and completed to incorporate the equivalent products and materials.
Permanent Works Designed by the Contractor	15	Where the Contract requires part(s) of the Works to be designed by the Contractor, the rates and prices in the Bill of Quantities shall include for all the obligations and costs associated with the incorporation of the Contractor's design into the Works, including design, provision of data and drawings, certificates, awaiting approvals, resubmissions and modifications and amendments to the Works.
Structures Designed by the Contractor	16	Earthworks within the Designated Outlines shall not be included by the Employer in the earthworks schedules.
Units	17	Not Used
Amendments to the Requirements for Measuring and Pricing	18	As per CC-RMP-00010 for the purposes of the Contract the Requirements for Measuring and Pricing is amended in accordance with the pages immediately following.
Additional Clauses	19	The Contractor shall allow in its rates and prices for complying with, providing, installing, implementing and removing, all requirements set out in the Additional Clauses (112AR to 3200AR) and Substituted Clauses (136SR) within Appendix 0/1 of the Specification. For the

avoidance of doubt, the Employer shall not be liable for any claims from the Contractor for its failure to allow for same.

Amendments to the Requirements for Measuring and Pricing

CC-RMP-00100: Preliminaries

Replace item coverage item (j) in paragraph 37 with the following:

Item Coverage (j) street lighting to the standard set out in the Specification.

Add the following to Paragraph 37:

Item Coverage (k) erect, maintain and update of information boards for any pedestrian diversion.

Add the following to paragraph 43, 45 and 46:

Progress Photographs

Units	43	The unit of measurement shall be: (ii) Aerial footagenumber. (iii) Drone visuals.....number.
Itemisation	45	Add the following feature: Group Feature I 5 Aerial footage 6 Drone visuals
Item Coverage	46	(f) providing video footage in electronic format including metadata; (g) hire of drone and any additional equipment or attachments required.

Add the following item coverage to paragraph 61:

Property Condition Surveys

Item Coverage (f) appointment of a Chartered Surveyor or Chartered Structural Engineer;
(g) all equipment to provide access to survey location;
(h) 3D movement instrumentation and monitoring.

Add paragraphs 82 to 85 as follows:

Environmental Monitoring and Control

Units	82	The unit of measurement shall be: (i) Monitoring and control item.
Measurement	83	Noise, vibration and dust monitoring shall be measured once only.
Itemisation	84	Items shall be provided for noise, vibration and dust monitoring in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following: Group Feature I 1 Monitoring

		2 Monitoring and control
	II	1 Noise
		2 Vibration
		3 Dust
	III	1 For the duration of the Works
Noise, Vibration and Dust Monitoring and Control	85	The item for noise, vibration and dust monitoring shall in accordance with the Preambles to the Bill of Quantities General Directions include for: (a) installation and set-up of monitoring equipment; (b) control measures associated with environmental control (c) monitoring of the performance and results of monitoring equipment; (d) preparation of reports; (e) delivery of reports.
<u>Introduce paragraphs 86 to 89:</u>		
Appointment of Professionals		
Units	86	The unit of measurement shall be: (i) Appointment of professional item.
Measurement	87	Appointment of professionals shall be measured once only.
Itemisation	88	Items shall be provided for appointment of professionals in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following: Group Feature I 1 Traffic Safety and Control Officer 2 Site Archaeologist 3 Traffic Management Engineer 4 Liaison Officer 5 Arboriculturist
Appointment of Professionals	89	The item for appointment of professionals in accordance with the Preambles to the Bill of Quantities General Directions include for: (a) appointment of professionals; (b) attendance of professionals; (c) management, risk and indirect overhead costs associated with the employment of each professional; (d) main contractor's profit.
Item Coverage		

CC-RMP-00500: Drainage and Service Ducts

Replace the existing note in paragraph 11 with the following:

Note: For each item which includes Group III Feature 1 or 2, an associated rate shall be provided for adjustment of the rate for each 25mm of difference in excess of 150mm where the average depth to invert calculated from site measurement varies from that stated in the Bill of Quantities. The foregoing shall apply to both increases and decreases of average in excess of 150mm and will result in either a positive or negative adjustment of the rate. The adjustment of the rate will be limited to a maximum of 1% per 25mm of difference in excess of 150mm.

Note: Perforated drainage pipes shall be measured as a Group I Feature 3.

Add the following to paragraphs 57, 58 and 59:

Units	57	The unit of measurement shall be: (c) replacement of covers and gratings on existing chambers and gullies number.
Itemisation	58	Separate items shall be provided for renewal, raising or lowering covers and gratings on existing chambers and gullies in accordance with Section 3 CC-RMP-00010 paragraphs 3 and 4 and the following: Group Feature III 3 New/replacement covers
Item Coverage	59	(t) new covers and frames; (u) In the case of covers and frames supplied by the Employer, loading, transporting from store, unloading and positioning for installation or re-installation and replacing items damaged in the foregoing operations.

Add the following paragraphs 85 to 87:

Additional Protection of Existing Services

Units	85	The unit of measurement shall be: (i) Root barrier protection to existing services.....metres
Itemisation	86	Separate items shall be provided for additional protection of existing services in accordance with Section 3 CC-RMP-00010 paragraphs 3 and 4 and the following:

		Group Feature
		I 1 Root barrier protection
		II 1 Different types of services
Additional Protection of Existing Services	87	The items for additional protection of existing services shall in accordance with the Preambles to Bill of Quantities General Directions include for:
Item Coverage		(a) Excavation of acceptable material (CC-RMP-00600 paragraphs 17 and 18);
		(b) Excavation of unacceptable material (CC-RMP-00600 paragraph 19);
		(c) Excavation in hard material (CC-RMP-00600 paragraph 23);
		(d) Disposal of material (CC-RMP-00600 paragraph 39);
		(e) Geotextiles (CC-RMP-00600 paragraph 60);
		(f) Backfilling and compaction;
		(g) Reinstatement of unpaved areas;
		(h) Reinstatement of paved areas to appendix 7/7 (CC-RMP-00700 paragraph 36);

CC-RMP-00600: Earthworks

Add the following to paragraph 17:

Item Coverage	(j) hand digging
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Add the following to paragraph 18:

Item Coverage	(y) hand digging
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Add the following to paragraph 23:

Item Coverage	(j) hand digging
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Add the following to paragraph 19:

Item Coverage	(d) hand digging
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Add the following to paragraph 71:

Item Coverage	(g) removal and disposal of hazardous materials
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Add the following feature to paragraph 44:

Group Feature

I	3	Imported Specialist Topsoil
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CC-RMP-01100: Kerbs, Footways and Paved Areas

Replace item coverage (y) in paragraph 4 with the following:

Item Coverage (y) connections to pipes and chambers;

Delete the existing paragraph 17 and replace with:

Measurement 17 In the cases of in situ and precast concrete, stone, block, clay and cellular grass paving, the thickness of the sub-base, base layer, bedding and paving shall be separately stated in the item description.

Add the following item coverage to paragraph 21:

Item Coverage (s) laying to patterns;
(t) forming borders;
(u) cutting into existing footways;
(v) making good existing footways at edges of new work;
(w) Vertical bond coat.

Add the following item coverage to paragraph 30:

Item Coverage (q) mortar bedding.

Introduce the following paragraphs 34 to 37:

Street Furniture and Ancillary Works

Units	34	The unit of measurement shall be: (i) street furniture number. (ii) ancillary works number.
Measurement	35	The measurement of street furniture and ancillary works shall be the complete installation.
Itemisation	36	Separate items shall be provided for street furniture and ancillary works in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following: Group Feature I 1 Street furniture 2 Ancillary works II 1 Different types
Street Furniture and Ancillary Works	37	The items for street furniture and ancillary works shall in accordance with the Preambles to the Bill of Quantities General Directions include for: (a) design; (b) certificates; (c) provision of data and drawings;

- (d) resubmissions and modifications;
- (e) amendments to the works;
- (f) obtaining aesthetic approval;
- (g) excavation of acceptable material (as CC-RMP-00600 paragraph 17 and 18);
- (h) excavation of unacceptable material (as CC-RMP-00600 paragraph 19);
- (i) excavation in hard material (as CC-RMP-00600 paragraph 23);
- (j) rivets, nuts, bolts, shims, washers, welds, clamps and the like;
- (k) blinding concrete and paving slab;
- (l) in situ concrete (as CC-RMP-01700 paragraph 4);
- (m) formwork (as CC-RMP-01700 paragraph 14);
- (n) reinforcement (as CC-RMP-01700 paragraph 25);
- (o) drilling or forming holes and pockets in structures or foundations, and casting in bolts, sockets, base plates and anchorage assemblies;
- (p) bedding, grouting and filling;
- (q) backfilling, compaction and reinstatement;
- (r) protective system (as CC-RMP-01900 paragraph 5);
- (s) marking and lettering;
- (t) electrical equipment, wiring and making connections excluding network cabling;
- (u) disposal of material (as CC-RMP-00600 paragraph 39);
- (v) reinstatement of surfaces;
- (w) plugging cable entry slots;
- (x) doors, locks and keys;
- (y) ducts in bases;
- (z) conduit including screwed and threaded connections, bends, tees and the like and draw wires;
- (aa) threading cable through ducts, sleeves, conduit and the like;
- (bb) backboards, fixings, protective caps, sealing, grommets, spacers, mounting plates and strips;
- (cc) complying with wiring regulations and earthing (other than earth electrodes);
- (dd) protective treatment;
- (ee) notices, recording and preparation and supply of record drawings;
- (ff) fixing to structures and foundations including attachment systems;
- (gg) site testing of anchorages;
- (hh) verifying materials;
- (ii) fixings and retention sockets;
- (jj) Connections (CC-RMP-02700 paragraph 9).

CC-RMP-01200: Traffic Signs and Road Markings

Add the following item coverage to paragraphs 29:

Traffic Signal Poles	29	The items for Traffic Signal Poles shall in accordance with the Preambles to the Bill of Quantities General Directions Include for:
Item Coverage		(a) providing evidence of operative training; (b) pesticides; (k) drilling or forming holes and pockets in structures, lighting columns or foundations and casting in bolts, sockets, base plates and anchorage assemblies; (l) lighting columns or foundations and casting in bolts; (m) sockets, base plates, anchorage assemblies, fixing to structures and foundations including attachment systems which include retention sockets; (n) Loading, transporting from store, unloading and positioning for installation or reinstallation; (o) Replacing items damaged in the foregoing operations; (p) modifications and new materials.

Add the following paragraphs 65 to 68:

Retention Sockets for Future Use

Units	65	The unit of measurement shall be
		(i) Retention sockets for future use number.
Measurement	66	The measurement of retention sockets for future use shall be the complete installation.
	67	Separate items shall be provided for retention sockets for future use in accordance with the Section 3 of CC-RMP-00010 and the following:
		Group Feature
	I	1 Retention sockets for future use
	II	1 Different types
Retention Sockets for Future Use	68	The items for retention sockets for future use shall in accordance with the Preambles to Bill of Quantities General Directions include for:
Item Coverage		(a) excavation of acceptable material (as CC-RMP-00600 paragraphs 17 and 18); (b) excavation of unacceptable material (as CC-RMP-00600 paragraph 19); (c) excavation in hard material (as CC-RMP-00600 paragraph 19); (d) backfilling and compaction; (e) in-situ concrete (as CC-RMP-01700 paragraph 4); (f) formwork (as CC-RMP-01700 paragraph 14);

- (g) reinforcement (as CC-RMP-01700 paragraph 25);
- (h) ducts in bases;
- (i) reinstatement of surfaces;
- (j) disposal of material (as CC-RMP-00600 paragraph 39);
- (k) rivets, bolts, nuts, clips, clamps and the like;
- (l) electrical equipment, wiring and connections, excluding network cabling;
- (m) conduit including screwed and threaded connections, bends, tees, and the like and draw wires;
- (n) threading cable through the duct, sleeves, conduit and the like;
- (o) drilling;
- (p) fixing;
- (q) replacing items damaged during the foregoing operations.

Add the following paragraphs 68 to 73:

Foundations and Bases for Traffic Signal Controller Cabinet

Units	69	The unit of measurement shall be: (i) Foundations for Traffic Signal Controller Cabinet... number (ii) Bases for Traffic Signal Controller.... number
Measurement	70	The measurement of foundations and bases for traffic signal controller shall be the complete installation.
Itemisation	71	Separate items shall be provided for each item of foundations and bases for traffic signal controller cabinet in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following: Group Feature - I 1 Foundations for Traffic Signal Controller Cabinet 2 Bases for Traffic Signal Controller Cabinet - II 1 Supplied by Employer - III 1 Different Types
Foundations for Traffic Signal Controller Cabinet	72	The items for foundations for traffic signal controller cabinet shall in accordance with the Preambles to the Bill of Quantities General Directions include for:
Item Coverage		(a) Footways and paved areas (as CC-RMP-01100 paragraph 21); (b) Excavation of acceptable material (as CC-RMP-00600 paragraphs 17 and 18); (c) Excavation of unacceptable material (as CC-RMP-00600 paragraph 19); (d) Excavation in hard material (as CC-RMP-00600 paragraph 23); (e) Backfilling, compaction and reinstatement; (f) Disposal of material (as CC-RMP-00600 paragraph 39); (g) Concrete (as CC-RMP-01700 paragraphs 4 and 9); (h) Formwork (CC-RMP-RMP-01700 paragraph 14); (i) Fixings;

		(j) Installation; (k) Foundations; (l) Underground structures; (m) Waterproofing; (n) Steel reinforcement for structures and dowels (as CC-RMP-01700 paragraphs 25 and 26); (o) Commissioning; (p) Services connections; (q) Associated plant; (r) Controls; (s) Drainage; (t) Chambers and gullies (as CC-RMP-00500 paragraph 33); (u) In the case of equipment supplied by the employer, loading, transporting from store, unloading and positioning for installation or re-installation and replacing items damaged in the foregoing operations.
Bases for Traffic Signal Controller Cabinet Supplied by the Employer	73	The items for bases for traffic signal controller cabinets supplied by the Employer shall in accordance with the Preambles to Bill of Quantities General Directions include for: (a) Loading, transporting from store, unloading and positioning for installation or re-installation; (b) Replacing items damaged in the foregoing operations; (c) Modifications and new materials; (d) Fixings; (e) Installation; (f) Waterproofing; (g) Service connections; (h) Commissioning; (i) Associated plant; (j) Controls.

CC-RMP-01300: Road Lighting Columns and Brackets

Replace the sub-heading, and paragraph 1 to 3 with the following:

Road Lighting Columns, Brackets, Wall mountings and Luminaires on Existing Columns

Units	1	The unit of measurement shall be: (i) Road lighting columns, brackets and wall mountings..... number. (ii) Luminaires on existing columns..... number.																
Measurement	2	The measurement of road lighting columns, brackets, wall mountings and luminaires on existing columns shall be the complete installation except for earth electrodes which shall be measured separately under CC-RMP-01400 (paragraphs 20 to 23.)																
Itemisation	3	Separate items shall be provided for road lighting columns, brackets, wall mountings and luminaires on existing columns in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following: <table><tr><th>Group</th><th>Feature</th></tr><tr><td>I</td><td>1 Road lighting columns and brackets</td></tr><tr><td></td><td>2 Wall mountings</td></tr><tr><td></td><td>3 Luminaires on existing columns</td></tr><tr><td>II</td><td>1 Different height of columns</td></tr><tr><td>III</td><td>1 Different projection of brackets</td></tr><tr><td>IV</td><td>1 Different lanterns</td></tr><tr><td>V</td><td>1 Different types</td></tr></table>	Group	Feature	I	1 Road lighting columns and brackets		2 Wall mountings		3 Luminaires on existing columns	II	1 Different height of columns	III	1 Different projection of brackets	IV	1 Different lanterns	V	1 Different types
Group	Feature																	
I	1 Road lighting columns and brackets																	
	2 Wall mountings																	
	3 Luminaires on existing columns																	
II	1 Different height of columns																	
III	1 Different projection of brackets																	
IV	1 Different lanterns																	
V	1 Different types																	

CC-RMP-01400: Electrical Work for Road Lighting and Traffic Signs**Amend item coverage (v) in paragraph 16 with the following:**

Item Coverage	(v) In the case of equipment supplied by the employer, loading, transporting from store, unloading and positioning for installation or re-installation and replacing items damaged in the foregoing operations;
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Add the following item coverage (n) in paragraph 10:

Item Coverage	(a) In the case of cable supplied by the employer, loading, transporting from store, unloading and positioning for installation or re-installation and replacing items damaged in the foregoing operations.
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Add the following item coverage (s) in paragraph 23:

Item Coverage	(s) In the case of equipment supplied by the employer, loading, transporting from store, unloading and positioning for installation or re-installation and replacing items damaged in the foregoing operations.
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Add the following paragraphs 27 to 29:**Modifications to Existing Pillars**

Units	27	The unit of measurement shall be: (i) Modifications to existing pillars.....number
Itemisation	28	Separate items shall be provided for modifications of existing pillars in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following: Group Feature I 1 Modifications to existing pillars II 1 Different Types
Modifications to Existing Pillars	29	The items for modifications to existing pillars shall in accordance with the Preambles to Bill of Quantities General Directions include for:
Item Coverage		(a) Temporary isolation of pillar; (b) Disconnection of pillar; (c) New materials; (d) Cable (CC-RMP-01400 paragraph 10); (e) Cable joints and terminations (CC-RMP-01400 paragraph 15); (f) Feeder pillars (CC-RMP-01400 paragraph 18); (g) Re-termination, testing and commissioning of existing circuits;

CC-RMP-02900: CCTV Survey & Cleaning of Road Drainage Systems

Add the following to paragraphs 2 to 8:

CCTV Survey & Cleaning of Road Drainage Systems

Units	2	The unit of measurement shall be: (ix) Cleaning of drains and gully connections.....linear metre
Itemisation	7	Separate items shall be provided for the measurement of CCTV survey and cleaning of road drainage systems in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following: Group Feature I 9 Cleaning of drains and gully connections
CCTV Survey & Cleaning of Road Drainage Systems	8	The items for modifications to existing pillars shall in accordance with the Preambles to Bill of Quantities General Directions include for:
Item Coverage		(l) Jetting or other prescribed methods of cleaning (m) water supply; (n) mandrelling; (o) de-watering of silt, sand and rubble prior to disposal; (p) disposal of material (as Series 600 paragraph 39); (q) recording and reporting; (r) greasing; (s) covering of apertures; (t) cleaning covers, gratings and frames, offlets and the like; (u) filling with water; (v) vacuum/air suction; (w) locating obstructions and the like; (x) contamination prevention measures; (y) locating chambers and gullies..

Introduce the following RMP and paragraphs 1 to 11:

CC-RMP-03000: Landscape and Ecology

Planting

Units	1	The unit of measurement shall be: (i) trees and shrubs number.
Measurement	2	The measurement of trees and shrubs shall be the complete installation.
Itemisation	3	Separate items shall be provided for planting in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following:

		Group	Feature
		I	1 Trees
			2 Shrubs
		II	1 Species and type
		III	1 Different sizes
		IV	1 In pits.
			2 In trenches
			3 In beds
			4 In grassed areas
			5 In or adjacent to water areas
		V	1 Surfaces sloping at 10 or less to the horizontal
			2 Surfaces sloping at more than 10 to the horizontal
Planting	4	The items for planting shall in accordance with the Preambles to Bill of Quantities General Directions include for: (a) notices, inspections, provenance and reporting; (b) transportation, packing and unpacking; (c) storage, handling and distribution; (d) making arrangements for selection; (e) treatment of nursery stock; (f) protection; (g) stakes; labelling, ties, strapping, spacers, anchors, timber frames, root barriers, cables and the like; (h) marker posts; (i) tubes, guards and ties; (j) excavation, breaking up subsoil, backfilling, compaction and firming; (k) topsoil; (l) reinstatement; (m) multiple handling; (n) compost, fertiliser and mixing; (o) cultivation; (p) sprays, dips and additives; (q) drainage layers; (r) ameliorants; (s) root spreading and other measures; (t) measures to avoid root disturbance of adjacent plants; (u) support; (v) pruning roots; (w) planting through turf and mulch mats; (x) disposal of material (as CC-RMP-00600 paragraph 39); (y) anchors; (z) irrigation pipes;	

- (aa) measures for planting in or adjacent to water areas;
- (bb) protective posts;
- (cc) additional ground preparation for wildflower planting;
- (dd) establishment maintenance of new planting;
- (ee) marking out and awaiting approval;
- (ff) anti-desiccant measures;
- (gg) notch planting;
- (hh) watering including water supply;
- (ii) weed control;
- (jj) pruning shrubs and climbers;
- (kk) scrub control;
- (ll) hedge cutting, hedge laying;
- (mm) maintenance of trees;
- (nn) maintenance of grassed areas;
- (oo) maintenance of wildflower areas;
- (pp) management of waterbodies.

Mulching**Units**

5 The units of measurement shall be:

- (i) organic mulching, mulch mats, sheet mulch square meter

Itemisation

6 Separate items shall be provided for mulching in accordance with Section 3 CC-RMP-00010 paragraphs 3 and 4 and the following:

Group Feature

- | | | |
|-----|---|--|
| I | 1 | Organic mulching |
| | 2 | Mulch mats |
| | 3 | Sheet mulch |
| | 4 | Sheet mulch collars |
| II | 1 | Different thickness, gauge or weight. |
| III | 1 | Different types |
| IV | 1 | Different sizes |
| V | 1 | Different tree locations |
| VI | 1 | Surfaces sloping at 10 or less to the horizontal |
| | 2 | Surfaces sloping at more than 10 to the horizontal |

Note: Group V Feature 1 shall only be measured in connection with Group I Feature 4.

Mulching

7 The items for mulching shall in accordance with the Preambles to Bill of Quantities General Directions include for:

- (a) preparation;
- (b) spreading and levelling;
- (c) working and around plants;

- (d) hollowing out;
- (e) placing around plants;
- (f) splitting and cutting;
- (g) securing edges;
- (h) lapping and joints;
- (i) pegging;
- (j) stapling;
- (k) disposal of material (as CC-RMP-00600 paragraph 39);
- (l) inspections.

Landscape Maintenance

Units	8	The unit of measurement shall be: (i) Landscape maintenance Item.
Measurement	9	The measurement of landscape maintenance shall be the complete installation.
Itemisation	10	Separate items shall be provided for landscape maintenance in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following: Group Feature I 1 Landscape maintenance II 1 Period required
Landscape Maintenance	11	The item for landscape maintenance features shall in accordance with the Preambles to the Bill of Quantities General Directions include for:
Item Coverage		(a) temporary removal and replacement of seats litter bins and the like; (b) removal of stones, litter, undesirable and deleterious material (c) cutting around obstacles and between plants; (d) trimming; (e) sweeping; (f) cutting edges; (g) re-forming edges; (h) raking; (i) dispersal; (j) disposal of material (as CC-RMP-00600 paragraph 39); (k) inspections and reports; (l) hoeing; (m) sample areas; (n) chopping and disposal; (o) cutting and scarifying; (p) measures to avoid uprooting desirable vegetation; (q) all other associated costs referred to in the landscape specification.

Volume C Pricing Document

Ref	Description	QTY	UOM	Rate	Total
1	100 PRELIMINARIES				
	Temporary Accommodation				
1.1	Erection. Principal Offices of the Employer's Representative, Until completion of the Works, as per App. 1/1 and in accordance with the Works Requirements.	1	item		
1.2	Erection. Offices and messes for the Contractor.	1	item		
1.3	Erection. Stores and workshops for the Contractor.	1	item		
1.4	Servicing. Principal Offices of the Employer's Representative, Until completion of the Works, as per App. 1/1 and in accordance with the Works Requirements.	1	item		
1.5	Servicing. Principal Offices of the Employer's Representative, After completion of the Works, as per App. 1/1 and in accordance with the Works Requirements.	1	item		
1.6	Servicing. Offices and messes for the Contractor.	1	item		
1.7	Servicing. Stores and workshops for the Contractor.	1	item		
1.8	Dismantling. Principal Offices of the Employer's Representative, After completion of the Works, as per App. 1/1 and in accordance with the Works Requirements.	1	item		
1.9	Dismantling. Offices and messes for the Contractor.	1	item		
1.10	Dismantling. Stores and workshops for the Contractor.	1	item		
	Vehicles for Employer's Personnel				
1.11	Vehicle for the Employer's Personnel, Crew cab pick up, until completion of the Works, as per App. 1/2 and in accordance with the Works Requirements.	61	vehicle week		
1.12	Vehicle for the Employer's Personnel, hybrid bicycle, until completion of the Works, as per App. 1/2 and in accordance with the Works Requirements	244	vehicle week		
1.13	Vehicle for the Employer's Personnel, Crew cab pick up, after completion of the Works, as per App. 1/2 and in accordance with the Works Requirements	12	vehicle week		
1.14	Vehicle for the Employer's Personnel, hybrid bicycle, after completion of the Works, as per App. 1/2 and in accordance with the Works Requirements	48	vehicle week		
	Communications System for the Employer's Representative				
1.15	Communication System for the Employer's Representative, until completion of the Works as per App. 1/3 and in accordance with the Works Requirements	1	item		
1.16	Communication System for the Employer's Representative, after completion of the Works as per App. 1/3 and in accordance with the Works Requirements	1	item		
	Operatives for the Employer's Representative				
1.17	Chainman / Technician / General Operative, Until completion of the Works, as per App. 1/8 and in accordance with the Works Requirements	33	days		
1.18	Chainman / Technician / General Operative, After completion of the Works, as per App. 1/8 and in accordance with the Works Requirements	2	days		
	Information Board				

To Collection

Ref	Description	QTY	UOM	Rate	Total
1	100 PRELIMINARIES				
	(Continued)				
1.19	Information Board, as per App. 1/21 and in accordance with the Works Requirements	1	item		
	Traffic Safety and Management				
1.20	Traffic Safety and Management, as per App. 1/13, 1/17 and 1/19 and in accordance with the Works Requirements	1	item		
1.21	Taking measures for or construction, maintenance, removal of temporary traffic signals mounted on plinths. Temporary work to be designed by the Contractor. All in accordance with Appendices 1/17 and 1/19 of the Works Requirements	1	item		
1.22	Taking measures for or construction, maintenance, removal of contraflow arrangements. Temporary work to be designed by the Contractor. All in accordance with Appendices 1/17 and 1/19 of the Works Requirements	1	item		
	Temporary Diversion for Traffic				
1.23	Taking measures for or construction of temporary diversion for traffic, At locations proposed by the Contractor, App. 1/18 and in accordance with the Works Requirements	1	item		
1.24	Maintenance of measures for or construction of temporary diversion for traffic, At locations proposed by the Contractor, App. 1/18 and in accordance with the Works Requirements	1	item		
1.25	Removal of measures for or construction of temporary diversion for traffic, At locations proposed by the Contractor, App. 1/18 and in accordance with the Works Requirements	1	item		
	Recovery Vehicles				
1.26	Recovery Vehicle, as per App. 1/20 and in accordance with the Works Requirements	1	item		
	Progress Photographs				
1.27	Set of progress photographs, as per App. 1/22 and in accordance with the Works Requirements	61	no.		
1.28	Set of aerial progress photographs, as per App. 1/22 and in accordance with the Works Requirements	61	no.		
1.29	Set of aerial footage, as per App. 1/22 and in accordance with the Works Requirements	61	no.		
1.30	Set of drone visuals, as per App. 1/22 and in accordance with the Works Requirements	61	no.		
	Road Sweeping and Cleaning.				
1.31	Road Sweeping and Cleaning, as per App 1/19 and in accordance with the Works Requirements	1	item		
	Emergency Services				
1.32	Emergency Services, as per App 1/6, 1/7, 1/17 and in accordance with the Works Requirements	1	item		
	Facilities for Local Authority, Public or Private Utility Undertakers and Other Contractors				

To Collection

Ref	Description	QTY	UOM	Rate	Total
1	100 PRELIMINARIES				
	(Continued)				
1.33	Facilities for Local Authority, Public or Private Utility Undertakers and Other Contractors. Dublin City Council and its various departments, its designated Contractors and its Agents, as per App 1/16 and in accordance with the Works Requirements	1	item		
1.34	Facilities for Local Authority, Public or Private Utility Undertakers and Other Contractors. Gas Networks Ireland and its various departments, its designated Contractors and its Agents, as per App 1/16 and in accordance with the Works Requirements	1	item		
1.35	Facilities for Local Authority, Public or Private Utility Undertakers and Other Contractors. ESB Networks and its various departments, its designated Contractors and its Agents, as per App 1/16 and in accordance with the Works Requirements	1	item		
1.36	Facilities for Local Authority, Public or Private Utility Undertakers and Other Contractors. EIR, its designated Contractors and its Agents, as per App 1/16 and in accordance with the Works Requirements	1	item		
1.37	Facilities for Local Authority, Public or Private Utility Undertakers and Other Contractors. Uisce Éireann and its various departments, its designated Contractors and its Agents, as per App 1/16 and in accordance with the Works Requirements	1	item		
1.38	Facilities for Local Authority, Public or Private Utility Undertakers and Other Contractors. BT Ireland, its designated Contractors and its Agents, as per App 1/16 and in accordance with the Works Requirements	1	item		
1.39	Facilities for Local Authority, Public or Private Utility Undertakers and Other Contractors. Virgin Media, its designated Contractors and its Agents, as per App 1/16 and in accordance with the Works Requirements	1	item		
1.40	Facilities for Local Authority, Public or Private Utility Undertakers and Other Contractors. Aurora Telecoms, its designated Contractors and its Agents, as per App 1/16 and in accordance with the Works Requirements	1	item		
1.41	Facilities for Local Authority, Public or Private Utility Undertakers and Other Contractors. Privately Owned Services, as per App 1/16 and in accordance with the Works Requirements	1	item		
1.42	Facilities for Local Authority, Public or Private Utility Undertakers and Other Contractors. Bauer Media Outdoors, its designated Contractors and its Agents, as per App. 1/16 and in accordance with the Works Requirements	1	item		
	Property Condition Surveys				
1.43	Property condition survey, pre and post construction surveys of all building façades and entrances to premises up to first floor level, and properties retaining walls bordering or within the Site Extents including the rear of properties that back onto the Site Extents, as per App. 1/36 and in accordance with the Works Requirements	1	item		
1.44	Property condition survey, pre and post construction surveys of retaining walls and viaduct arches, as per DACT-3011-ARP-STR_RW-DR-ST-0610-01 to DACT-3011-ARP-STR_RW-DR-ST-0610-08, App. 1/36, 6/12 and in accordance with the Works Requirements	1	item		

To Collection

Ref	Description	QTY	UOM	Rate	Total
1	100 PRELIMINARIES (Continued)				
1.45	Property condition survey, pre and post construction surveys of Milltown Bridge structure, as per App. 1/36 and in accordance with the Works Requirements	1	item		
1.46	Property condition survey, pre construction surveys of public lighting, as per App. 13/1 and in accordance with the Works Requirements	1	item		
1.47	Property condition survey, fortnightly scouting surveys of public lighting, as per App. 13/1 and in accordance with the Works Requirements	1	item		
	Project Supervisor for the Construction Stage				
1.48	Acceptance of Appointment as Project Supervisor for the Construction Stage, as per App. 1/17, App. 1/84 and in accordance with the Works Requirements	1	item		
	Safety File				
1.49	Safety File, as per App. 1/84 and in accordance with Works Requirements	1	item		
	As Built Records				
1.50	As Built Records, as per App. 1/71 and in accordance with Works Requirements	1	item		
	Standing Conciliator				
1.51	Standing Conciliator	1	item		
	Environmental Monitoring and Control				
1.52	Monitoring and control of noise for the duration of the Works, as per App 1/9 and in accordance with the Works Requirements	1	item		
1.53	Monitoring and control of vibration for the duration of the Works, as per App. 1/9, App. 6/12 and in accordance with the Works Requirements	1	item		
1.54	Monitoring and control of dust for the duration of the Works, as per App. 1/9 and in accordance with the Works Requirements	1	item		
	Appointment of Professionals				
1.55	Site Archaeologist, as per App. 1/85 and in accordance with the Works Requirements	1	item		
1.56	Traffic Safety and Control Officer (TSCO), as per App. 1/17 and in accordance with the Works Requirements	1	item		
1.57	Liaison Officer, as per App. 1/7 and in accordance with the Works Requirements	1	item		
1.58	Intelligent Transport Systems (ITS) Expert, as per App. 1/17 and in accordance with the Works Requirements	1	item		
1.59	Arboriculturist, as per App. 1/74 and in accordance with the Works Requirements	1	item		
	100 PRELIMINARIES				
To Collection					

Ref	Description	QTY	UOM	Rate	Total
1	100 PRELIMINARIES (Continued)				
	COLLECTION Page 1: Page 2: Page 3: Page 4: 100 PRELIMINARIES Carried to Summary:				

Ref	Description	QTY	UOM	Rate	Total
2	200 SITE CLEARANCE				
	Site Clearance				
2.1	General Site Clearance, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-07, App 2 and in accordance with the Work requirements Take Up or Down and Set Aside for Reuse or Remove to Store or Tip off Site <u>Take Up or Down and Set Aside for Reuse</u>	2.468	ha		
2.2	Take up or down and set aside for reuse, traffic sign-face, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	8	no		
2.3	Take up or down and set aside for reuse, traffic sign post, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	2	no		
2.4	Take up or down and set aside for reuse, traffic direction sign-face, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	2	no		
2.5	Take up or down and set aside for reuse, bus stop sign, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	6	no		
2.6	Take up or down and set aside for reuse, Gateway Sign "Welcome to Milltown", as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-02, Appendix 2/3 and in accordance with the Works Requirements	1	no		
2.7	Take up or down and set aside for reuse, street furniture, planter, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-02, Appendix 2/3 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
2	200 SITE CLEARANCE				
	(Continued)				
2.8	Take up or down and set aside for reuse, street furniture, rubbish bins, as per drawing DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	2	no		
2.9	Take up or down and set aside for reuse, Road Name Sign "Dundrum Road", as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	1	no		
2.10	Take up or down and set aside for reuse, bus shelter micro pillars, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	3	no		
2.11	Take up or down and set aside for reuse, parking meter, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	1	no		
2.12	Take up or down and set aside for reuse, heritage lighting column luminaire, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	1	no		
2.13	Take up or down and set aside for reuse, bus shelter, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	3	no		
2.14	Take up or down and set aside for reuse, heritage cobbles, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	30	m2		
2.15	Take up or down and set aside for reuse, block paving, as per drawings DACT-3011-ARP-ERW_ER-DR-GT-0600-01 to DACT-3011-ARP-ERW_ER-DR-GT-0600-07 and in accordance with the Works Requirements	107	m2		
2.16	Take up or down and set aside for reuse, concrete paving slabs, as per drawings DACT-3011-ARP-ERW_ER-DR-GT-0600-01 to DACT-3011-ARP-ERW_ER-DR-GT-0600-07 and in accordance with the Works Requirements	113	m2		

To Collection

Ref	Description	QTY	UOM	Rate	Total
2	200 SITE CLEARANCE (Continued)				
	<u>Take Up or Down and Remove to Store</u>				
2.17	Take up or down and remove to the store (Dublin City Council Depot), traffic signal heads, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	20	no		
2.18	Take up or down and remove to the store (Dublin City Council Depot), traffic signal push buttons, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	12	no.		
2.19	Take up or down and remove to the store (Dublin City Council Depot), traffic signal controllers, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	2	no.		
2.20	Take up or down and remove to the store (Dun Laoghaire-Rathdown County Council Depot), traffic signal heads, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	6	no.		
2.21	Take up or down and remove to the store (Dun Laoghaire-Rathdown County Council Depot), traffic signal push buttons, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	4	no.		
2.22	Take up or down and remove to the store (Dun Laoghaire-Rathdown County Council Depot), traffic signal controllers, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	1	no.		
2.23	Take up or down and remove to the store (Dun Laoghaire-Rathdown County Council Depot), traffic signal Vehicle Overhead Detectors, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	2	no.		

To Collection

Ref	Description	QTY	UOM	Rate	Total
2	200 SITE CLEARANCE				
	(Continued)				
2.24	Take up or down and remove to the store, parking meter (to Dublin City Council Depot), as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	2	no		
2.25	Take up or down and remove to the store, historic pre-cast kerb (to Dublin City Council Depot), as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	82	m		
	<u>Take Up or Down and Remove to Tip off Site</u>				
2.26	Take up or down and remove to tip off site, kerbs, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	2,250	m		
2.27	Take up or down and remove to tip off site, pedestrian guard rails, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	21	m		
2.28	Take up or down and remove to tip off site, street furniture, metal bollard, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	1	no		
2.29	Take up or down and remove to tip off site, street furniture, bicycle racks (Sheffield Stands), DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	5	no		
2.30	Take up or down and remove to tip off site, traffic direction sign posts, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	2	no		
2.31	Take up or down and remove to tip off site, ESB Timber posts, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	3	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
2	200 SITE CLEARANCE (Continued)				
2.32	Take up or down and remove to tip off site, traffic signs face, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	23	no		
2.33	Take up or down and remove to tip off site, traffic sign posts, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	21	no		
2.34	Take up or down and remove to tip off site, traffic signs, keep left/right bollard, DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	15	no		
2.35	Take up or down and remove to tip off site, bus stop sign, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	1	no		
2.36	Take up or down and remove to tip off site, posts, traffic signal poles, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	17	no		
2.37	Take up or down and remove to tip off site, posts, traffic signal poles (low level), as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	2	no		
2.38	Take up or down and remove to tip off site, posts, traffic signal speakers, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	3	no		
2.39	Take up or down and remove to tip off site, road lighting column, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	19	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
2	200 SITE CLEARANCE				
	(Continued)				
2.40	Take up or down and remove to tip off site, public lighting luminaire, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, Appendix 2/3 and in accordance with the Works Requirements	54	no		
2.41	Take up or down and remove to tip off site, overhead cables, as per drawings DACT-3011-ARP-LHT_RL-DR-LI-1300-01 and DACT-3011-ARP-LHT_RL-DR-LI-1300-06, Appendix 2/3 & 13/1 and in accordance with the Works Requirements	100	m		
2.42	Take up or down and remove to tip off site, gully connection pipe, as per drawings DACT-3011-ARP-DNG_RD-DR-ZZ-0500-01 to DACT-3011-ARP-DNG_RD-DR-ZZ-0500-07, and in accordance with the Works Requirements	5	no		
2.43	Take up or down and remove to tip off site, gully gratings, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-07, App. 2/1, Table 2.1.1 and in accordance with the Works Requirements	21	no		
2.44	Take up or down and remove to tip off site, traffic light inspection chamber cover, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-07, App. 2/1, Table 2.1.1 and in accordance with the Works Requirements	24	no		
2.45	Take up or down and remove to tip off site, public lighting inspection chamber covers, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-07, App. 2/1 and in accordance with the Works Requirements	2	no		
2.46	Take up or down and remove to tip off site, transilluminated traffic bollards, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-07, App. 2/1 and in accordance with the Works Requirements	4	no		
	200 SITE CLEARANCE				
To Collection					

Ref	Description	QTY	UOM	Rate	Total
2	200 SITE CLEARANCE (Continued)				
	COLLECTION Page 6: Page 7: Page 8: Page 9: Page 10: Page 11: 200 SITE CLEARANCE Carried to Summary:				

To Collection

Ref	Description	QTY	UOM	Rate	Total
3	400 ROAD RESTRAINT SYSTEMS (Continued)				
	COLLECTION Page 13: 400 ROAD RESTRAINT SYSTEMS Carried to Summary:				

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	Drains, Sewers, Piped Culverts and Service Ducts (Excluding Filter Drains, Narrow Filter Drains & Fin Drains)				
	<u>Drains</u>				
4.1	Drain, gully connection pipe, claywork pipe complying with IS EN 1916, 150mm internal diameter, depth to invert not exceeding 2 metres, construction in trench, ST4 concrete bed and surround, as per drawings DACT-3011-ARP-DNG_RD-ZZ-0500_02 to DACT-3011-ARP-DNG_RD-ZZ-0500_06, Appendix 5/1 and in accordance with Works Requirements	368	m		
	<u>Surface Water Sewer</u>				
4.2	Drains, surface water pipe, Pipe Ref. S1.000, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 925mm, construction to trench, ST4 concrete bed and surround, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-01, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	28	m		
4.3	Adjustment on the above item for variation greater than 150mm above or below the average depth of 925mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.4	Drains, surface water pipe, Pipe Ref. S1.001, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 925mm, construction to trench, ST4 concrete bed and surround, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-01, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	55	m		
4.5	Adjustment on the above item for variation greater than 150mm above or below the average depth of 925mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.6	Drains, surface water pipe, Pipe Ref. S1.002, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1225mm, construction to trench, ST4 concrete bed and surround, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-01, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	13	m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS (Continued)				
4.7	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1225mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.8	Drains, surface water pipe, Pipe Ref. S10.000, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1000mm, construction to trench, ST4 concrete bed and surround, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-01, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	8	m		
4.9	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1000mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.10	Drains, surface water pipe, Pipe Ref. S1.003, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1000mm, construction to trench, ST4 concrete bed and surround, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-02, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	33	m		
4.11	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1000mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.12	Drains, surface water pipe, Pipe Ref. S1.004, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1000mm, construction to trench, ST4 concrete bed and surround, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-02, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	39	m		
4.13	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1000mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.14	Drains, surface water pipe, Pipe Ref. S1.005, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1475mm, construction to trench, UGM A and fine and all in aggregate bed and surround to table 3.2 of CC-SPW-00500, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-02, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	62	m		
4.15	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1475mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.16	Drains, surface water pipe, Pipe Ref. S1.006, 600mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1700mm, construction to trench, ST4 concrete bed and surround, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-02, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	31	m		
4.17	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1700mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.18	Drains, surface water pipe, Pipe Ref. S1.007, 150mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1400mm, construction to trench, UGM A and fine and all in aggregate bed and surround to table 3.2 of CC-SPW-00500, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-02, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	5	m		
4.19	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1400mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.20	Drains, surface water pipe, Pipe Ref. S2.000, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 500mm, construction to trench, ST4 concrete bed and surround, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-03, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	54	m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.21	Adjustment on the above item for variation greater than 150mm above or below the average depth of 500mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.22	Drains, surface water pipe, Pipe Ref. S3.000, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1000mm, construction to trench, ST4 concrete bed and surround, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-03, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	26	m		
4.23	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1000mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.24	Drains, surface water pipe, Pipe Ref. S3.001, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1950mm, construction to trench, UGM A and fine and all in aggregate bed and surround to table 3.2 of CC-SPW-00500, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-03, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	79	m		
4.25	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1950mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.26	Drains, surface water pipe, Pipe Ref. S4.000, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 975mm, construction to trench, ST4 concrete bed and surround, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-05, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	37	m		
4.27	Adjustment on the above item for variation greater than 150mm above or below the average depth of 975mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.28	Drains, surface water pipe, Pipe Ref. S4.001, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1025mm, construction to trench, ST4 concrete bed and surround, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-05, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	6	m		
4.29	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1025mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.30	Drains, surface water pipe, Pipe Ref. S5.000, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1000mm, construction to trench, ST4 concrete bed and surround, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-06, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	22	m		
4.31	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1000mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.32	Drains, surface water pipe, Pipe Ref. S5.001, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1000mm, construction to trench, ST4 concrete bed and surround, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-06, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	32	m		
4.33	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1000mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.34	Drains, surface water pipe, Pipe Ref. S5.002, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1125mm, construction to trench, ST4 concrete bed and surround, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-06, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	14	m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.35	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1125mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.36	Drains, surface water pipe, Pipe Ref. S6.000, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1050mm, construction to trench, ST4 concrete bed and surround, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-06, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	7	m		
4.37	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1050mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.38	Drains, surface water pipe, Pipe Ref. S7.001, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1675mm, construction to trench, UGM A and fine and all in aggregate bed and surround to table 3.2 of CC-SPW-00500, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-06, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	12	m		
4.39	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1675mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.40	Drains, surface water pipe, Pipe Ref. S8.000, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1350mm, construction to trench, ST4 concrete bed and surround, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-06, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	8	m		
4.41	Adjustment on the above item for variation greater than 1350mm above or below the average depth stated per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.42	Drains, surface water pipe, Pipe Ref. S7.002, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1650mm, construction to trench, UGM A and fine and all in aggregate bed and surround to table 3.2 of CC-SPW-00500, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-06, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	21	m		
4.43	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1650mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.44	Drains, surface water pipe, Pipe Ref. S9.000, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1325mm, construction to trench, ST4 concrete bed and surround, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-06, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	14	m		
4.45	Adjustment on the above item for variation greater than 1325mm above or below the average depth stated per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.46	Drains, surface water pipe, Pipe Ref. S7.003, 225mm internal diameter, concrete pipe complying with IS EN 1916, depth to invert not exceeding 2 metres, average depth to invert 1600mm, construction to trench, UGM A and fine and all in aggregate bed and surround to table 3.2 of CC-SPW-00500, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-06, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01 to 04, App. 5/1 and in accordance with the Works Requirements	21	m		
4.47	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1600mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
	<u>Service Ducts</u>				
	<u>Public Lighting Ducts</u>				

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.48	Public Lighting Ducts, 1 x 100mm, depth to invert not exceeding 2 metres, average depth to invert 700 mm, single wall HDPE ducting, Clause 2.1.1 UGM A bed and surround, construction to trench, as per drawings DACT-3011-ARP-LHT_RL-DR-LI-1300-01 to06, Appendix 5/2 and in accordance with the Works Requirements and in accordance with the Works Requirements	577	m		
4.49	Adjustment on the above item for variation greater than 150mm above or below the average depth of 700mm per 25mm of variation in excess of 150mm.Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.50	Public Lighting Ducts, 1 x 100mm, depth to invert not exceeding 2 metres, average depth to invert 1355 mm, single wall HDPE ducting, Clause 2.1.1 UGM A bed and surround, construction to trench, as per drawings DACT-3011-ARP-LHT_RL-DR-LI-1300-01 to DACT-3011-ARP-LHT_RL-DR-LI-1300-06, Appendix 5/2 and in accordance with the Works Requirements	153	m		
4.51	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1355mm per 25mm of variation in excess of 150mm. Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.52	Public Lighting Ducts, 1 x 100mm, depth to invert not exceeding 2 metres, average depth to invert 1200 mm, single wall HDPE ducting, Clause 2.1.1 UGM A bed and surround, construction to trench, as per drawings DACT-3011-ARP-LHT_RL-DR-LI-1300-01 to 06, Appendix 5/2 and in accordance with the Works Requirements	410	m		
4.53	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1200mm per 25mm of variation in excess of 150mm.Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
	<u>Traffic Signal Ducts</u>				
4.54	Traffic Signal Ducts, 1 x 100mm internal diameter, depth to invert not exceeding 2 metres, average depth to invert 700 mm, medium density PE ducting, Clause 2.1.1 UGM A bed and surround, construction to trench, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01, DACT-3011-ARP-TSM_SJ-DR-TA-1250-03 and DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, Appendix 5/2 and in accordance with the Works Requirements	125	m		
4.55	Adjustment on the above item for variation greater than 150mm above or below the average depth of 700mm per 25mm of variation in excess of 150mm. Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS (Continued)				
4.56	Traffic Signal Ducts, RED, 2 x 100mm internal diameter, depth to invert not exceeding 2 metres, average depth to invert 700 mm, medium density PE ducting, concrete encasement bed and surround, construction to trench, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to 06, Appendix 5/2 and in accordance with the Works Requirements	38	m		
4.57	Adjustment on the above item for variation greater than 150mm above or below the average depth of 700mm per 25mm of variation in excess of 150mm.Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.58	Traffic Signal Ducts, RED, 2 x 100mm internal diameter, depth to invert not exceeding 2 metres, average depth to invert 850 mm, medium density PE ducting, concrete encasement bed and surround, construction to trench, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to 06, Appendix 5/2 and in accordance with the Works Requirements	9	m		
4.59	Adjustment on the above item for variation greater than 150mm above or below the average depth of 850mm per 25mm of variation in excess of 150mm.Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.60	Traffic Signal Ducts, RED, 2 x 100mm internal diameter, depth to invert not exceeding 2 metres, average depth to invert 1350 mm, medium density PE ducting, Clause 2.1.1 UGM A bed and surround, construction to trench, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01, DACT-3011-ARP-TSM_SJ-DR-TA-1250-03 and DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, Appendix 5/2 and in accordance with the Works Requirements	30	m		
4.61	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1350mm per 25mm of variation in excess of 150mm.Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.62	Traffic Signal Fibre Ducts, GREEN, 2 x 100mm internal diameter, depth to invert not exceeding 2 metres, average depth to invert 700 mm, medium density PE ducting, Clause 2.1.1 UGM A bed and surround, construction to trench, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to 06, Appendix 5/2 and in accordance with the Works Requirements	4	m		
4.63	Adjustment on the above item for variation greater than 150mm above or below the average depth of 700mm per 25mm of variation in excess of 150mm. Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.64	Traffic Signal Fibre Ducts, GREEN, 2 x 100mm, depth to invert not exceeding 2 metres, average depth to invert 850 mm, medium density PE ducting, concrete encasement bed and surround, construction to trench, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01, DACT-3011-ARP-TSM_SJ-DR-TA-1250-05 and DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, Appendix 5/2 and in accordance with the Works Requirements	31	m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS (Continued)				
4.65	Adjustment on the above item for variation greater than 150mm above or below the average depth of 850mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.66	Traffic Signal Ducts, RED (Non-Junction), 2 x 100mm internal diameters, depth to invert not exceeding 2 metres, average depth to invert 700mm, medium density PE ducting, Clause 2.1.1 UGM A bed and surround, construction to trench, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to DACT-3011-ARP-TSM_SJ-DR-TA-1250-03, DACT-3011-ARP-TSM_SJ-DR-TA-1250-05 and DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, Appendix 5/2 and in accordance with the Works Requirements	10	m		
4.67	Adjustment on the above item for variation greater than 150mm above or below the average depth of 700mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.68	Traffic Signal Ducts, RED (Non-Junction), 2 x 100mm, depth to invert not exceeding 2 metres, average depth to invert 850mm, medium density PE ducting, concrete encasement bed and surround, construction to trench, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 and DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, Appendix 5/2 and in accordance with the Works Requirements	10	m		
4.69	Adjustment on the above item for variation greater than 150mm above or below the average depth of 850mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.70	Traffic Signal & Fibre Ducts, 4 x 100mm internal diameter (2x100mm red traffic signal, 2x100mm Green Fibre), depth to invert not exceeding 2 metres, average depth to invert 1350 mm, medium density PE ducting, Clause 2.1.1 UGM A bed and surround, construction to trench, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, Appendix 5/2 and in accordance with the Works Requirements	50	m		
4.71	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1350mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.72	Traffic Signal & Fibre Ducts, 6 x 100mm internal diameter (4x100mm red traffic signal, 2x100mm Green Fibre), depth to invert not exceeding 2 metres, average depth to invert 700 mm, medium density PE ducting, Clause 2.1.1 UGM A bed and surround, construction to trench, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01, DACT-3011-ARP-TSM_SJ-DR-TA-1250-03, DACT-3011-ARP-TSM_SJ-DR-TA-1250-05 and DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, Appendix 5/2 and in accordance with the Works Requirements	198	m		
4.73	Adjustment on the above item for variation greater than 150mm above or below the average depth of 700mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.74	Traffic Signal & Fibre Ducts, 6 x 100mm internal diameter (4x100mm red traffic signal, 2x100mm Green Fibre), depth to invert not exceeding 2 metres, average depth to invert 1350 mm, medium density PE ducting, concrete encasement bed and surround, construction to trench, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01, DACT-3011-ARP-TSM_SJ-DR-TA-1250-03, DACT-3011-ARP-TSM_SJ-DR-TA-1250-05 and DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, Appendix 5/2 and in accordance with the Works Requirements	138	m		
4.75	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1350mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.76	ESB Ducts, 2 x 100mm internal diameter, depth to invert not exceeding 2 metres, average depth to invert 700 mm, PVC Ducting, UGM A Clause 2.1.1 bed and surround, construction to trench, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-02, DACT-3011-ARP-TSM_SJ-DR-TA-1250-03, DACT-3011-ARP-TSM_SJ-DR-TA-1250-05 and DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, Appendix 5/2 and in accordance with the Works Requirements	42	m		
4.77	Adjustment on the above item for variation greater than 150mm above or below the average depth of 700mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.78	ESB Ducts, 2 x 100mm internal diameter, depth to invert not exceeding 2 metres, average depth to invert 850 mm, PVC Ducting, concrete encasement bed and surround, construction to trench, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-02, DACT-3011-ARP-TSM_SJ-DR-TA-1250-03, DACT-3011-ARP-TSM_SJ-DR-TA-1250-05 and DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, Appendix 5/2 and in accordance with the Works Requirements	7	m		
4.79	Adjustment on the above item for variation greater than 150mm above or below the average depth of 850mm per 25mm of variation in excess of 150mm.Refer to, and comply with, the associated Preamble to the Bill of Quantities. <u>Low/Medium Voltage Power Ducts</u>		m		
4.80	Bauer Media Ducts, 1 x 50mm, depth to invert not exceeding 2 metres, average depth to invert 650 mm, PVC ducting, UGM A Clause 2.1.1 bed and surround, construction to trench, as per drawings DACT-3011-ARP-TSM_UE-DR-UT-0540-01 to 06, Appendix 5/2 and in accordance with the Works Requirements	202	m		
4.81	Adjustment on the above item for variation greater than 150mm above or below the average depth of 650mm per 25mm of variation in excess of 150mm.Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.82	LV Ducts, 1 x 50mm, depth to invert not exceeding 2 metres, average depth to invert 650 mm, PVC ducting, UGM A Clause 2.1.1 bed and surround, construction to trench, as per drawings DACT-3011-ARP-TSM_UE-DR-UT-0540-01,DACT-3011-ARP-TSM_UE-DR-UT-0540-02, DACT-3011-ARP-TSM_UE-DR-UT-0540-05 and DACT-3011-ARP-TSM_UE-DR-UT-0540-06, Appendix 5/2 and in accordance with the Works Requirements	50	m		
4.83	Adjustment on the above item for variation greater than 150mm above or below the average depth of 650mm per 25mm of variation in excess of 150mm.Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.84	LV Ducts, 2 x 125mm, depth to invert not exceeding 2 metres, average depth to invert 725mm, PVC ducting, UGM A Clause 2.1.1 bed and surround, construction to trench, as per drawings DACT-3011-ARP-UTL_UE-DR-UT-0530-01 to 03, App. 5/2 and in accordance with the Works Requirements	165	m		
4.85	Adjustment on the above item for variation greater than 150mm above or below the average depth of 725mm per 25mm of variation in excess of 150mm.Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.86	LV Ducts, 2 x 125mm, depth to invert not exceeding 2 metres, average depth to invert 875mm, PVC ducting, UGM A Clause 2.1.1 bed and surround, construction to trench, as per drawings DACT-3011-ARP-UTL_UE-DR-UT-0530-01 to DACT-3011-ARP-UTL_UE-DR-UT-0530-03, App. 5/2 and in accordance with the Works Requirements	23	m		
4.87	Adjustment on the above item for variation greater than 150mm above or below the average depth of 875mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.88	Bauer Media Ducts, 1 x 125mm, depth to invert not exceeding 2 metres, average depth to invert 725 mm, PVC ducting, UGM A Clause 2.1.1 bed and surround, construction to trench, as per drawings DACT-3011-ARP-TSM_UE-DR-UT-0540-01, DACT-3011-ARP-TSM_UE-DR-UT-0540-02, DACT-3011-ARP-TSM_UE-DR-UT-0540-05 and DACT-3011-ARP-TSM_UE-DR-UT-0540-06, Appendix 5/2 and in accordance with the Works Requirements	4	m		
4.89	Adjustment on the above item for variation greater than 150mm above or below the average depth of 725mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.90	Bauer Media Ducts, 1 x 125mm, Bus Shelter Ducting, depth to invert not exceeding 2 metres, average depth to invert 1300 mm, PVC ducting, UGM A Clause 2.1.1 bed and surround, construction to trench, as per drawings DACT-3011-ARP-TSM_UE-DR-UT-0540-02 and DACT-3011-ARP-TSM_UE-DR-UT-0540-06, Appendix 5/2 and in accordance with the Works Requirements	13	m		
4.91	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1300mm per 25mm of variation in excess of 150mm Refer to, and comply with, the associated Preamble to the Bill of Quantities. <u>Joint DCC Ductbank</u>		m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS (Continued)				
4.92	Fibre Ducts & Telecoms Ducts, 4 x 100mm internal diameter (2x100mm Green Fibre, 2x100mm Grey), depth to invert not exceeding 2 metres, average depth to invert 700mm, HDPE ducting, UGM A Clause 2.1.1 bed and surround, construction to trench, as per drawings DACT-3011-ARP-UTL_UK-DR-UT-0520-01 to 06, DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to 06, Appendix 1/16 & 5/2 and in accordance with the Works Requirements	302	m		
4.93	Adjustment on the above item for variation greater than 150mm above or below the average depth of 700mm per 25mm of variation in excess of 150mm. Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.94	Fibre Ducts & Telecoms Ducts, 4 x 100mm internal diameter (2x100mm Green Fibre, 2x100mm Grey), depth to invert not exceeding 2 metres, average depth to invert 850mm, HDPE ducting, UGM A Clause 2.1.1 bed and surround, construction to trench, as per drawings DACT-3011-ARP-UTL_UK-DR-UT-0520-01 to 06, DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to 06, Appendix 1/16 & 5/2 and in accordance with the Works Requirements	222	m		
4.95	Adjustment on the above item for variation greater than 150mm above or below the average depth of 850mm per 25mm of variation in excess of 150mm. Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.96	Fibre Ducts & Telecoms Ducts, 4 x 100mm internal diameter (2x100mm Green Fibre, 2x100mm Grey), depth to invert not exceeding 2 metres, average depth to invert 1330mm, HDPE ducting, UGM A Clause 2.1.1 bed and surround, construction to trench, as per drawings DACT-3011-ARP-UTL_UK-DR-UT-0520-01 to DACT-3011-ARP-UTL_UK-DR-UT-0520-06, DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, Appendix 1/16 & 5/2 and in accordance with the Works Requirements	154	m		
4.97	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1330mm per 25mm of variation in excess of 150mm. Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.98	Fibre Ducts & Telecoms Ducts, 4 x 100mm internal diameter (2x100mm Green Fibre, 2x100mm Grey), depth to invert not exceeding 2 metres, average depth to invert 1710mm, HDPE ducting, UGM A Clause 2.1.1 bed and surround, construction to trench, as per drawings DACT-3011-ARP-UTL_UK-DR-UT-0520-01 to 06, DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to 06, Appendix 1/16 & 5/2 and in accordance with the Works Requirements.	137	m		
4.99	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1710mm per 25mm of variation in excess of 150mm. Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.100	Traffic Signal & Fibre Ducts & Telecoms Ducts, 6 x 100mm internal diameter (2x100mm red traffic signal, 2x100mm Green Fibre, 2x100mm Grey), depth to invert not exceeding 2 metres, average depth to invert 700mm, HDPE ducting, UGM A Clause 2.1.1 bed and surround, construction to trench, as per drawings DACT-3011-ARP-UTL_UK-DR-UT-0520-01 to 06, DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to 06, Appendix 1/16 & 5/2 and in accordance with the Works Requirements.	217	m		
4.101	Adjustment on the above item for variation greater than 150mm above or below the average depth of 700mm per 25mm of variation in excess of 150mm. Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.102	Traffic Signal & Fibre Ducts & Telecoms Ducts, 6 x 100mm internal diameter (2x100mm red traffic signal, 2x100mm Green Fibre, 2x100mm Grey), depth to invert not exceeding 2 metres, average depth to invert 850mm, HDPE ducting, UGM A Clause 2.1.1 bed and surround, construction to trench, as per drawings DACT-3011-ARP-UTL_UK-DR-UT-0520-01 to 06, DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to 06, Appendix 1/16 & 5/2 and in accordance with the Works Requirements	65	m		
4.103	Adjustment on the above item for variation greater than 150mm above or below the average depth of 850mm per 25mm of variation in excess of 150mm. Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
4.104	Traffic Signal & Fibre Ducts & Telecoms Ducts, 6 x 100mm internal diameter (2x100mm red traffic signal, 2x100mm Green Fibre, 2x100mm Grey), depth to invert not exceeding 2 metres, average depth to invert 1330mm, HDPE ducting, UGM A Clause 2.1.1 bed and surround, construction to trench, as per drawings DACT-3011-ARP-UTL_UK-DR-UT-0520-01 to 06, DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to 06, Appendix 1/16 & 5/2 and in accordance with the Works Requirements	50	m		
4.105	Adjustment on the above item for variation greater than 150mm above or below the average depth of 1330mm per 25mm of variation in excess of 150mm. Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
	Filter Drains				
4.106	Filter drains, 225mm internal diameter, clayware or perforated uPVC, perforated pipe, depth to invert not exceeding 2 metres, average depth to invert 800mm, trench and bedding details in DACT-3011-ARP-STR_SD-DR-DR-0560, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500_06, Appendix 5/1 & Appendix 5/7 and in accordance with Works Requirements.	30	m		
4.107	Adjustment on the above item for variation greater than 150mm above or below the average depth of 800mm per 25mm of variation in excess of 150mm. Refer to, and comply with, the associated Preamble to the Bill of Quantities.		m		
	Connections				

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.108	Connection to existing surface water drainage, 150mm diameter claywork gully pipe connection to existing surface water drainage system, depth not exceeding 2 metres, as per drawings DACT-3011-ARP-DNG_RD-ZZ-0500_02 to 06, Appendix 5/1 and in accordance with Works Requirements	20	no		
4.109	Connection to existing gully, 150mm diameter claywork gully pipe connection to existing gully, depth not exceeding 2 metres, as per drawings DACT-3011-ARP-DNG_RD-ZZ-0500_02 to 06, Appendix 5/1 and in accordance with Works Requirements	9	no		
4.110	Connection to existing surface water manholes, 150mm diameter claywork gully connection pipe, depths not exceeding 2 metres, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-01 to 07, App. 5/1 and in accordance with the Works Requirements	5	no		
4.111	Connection to existing surface water manholes, 225mm diameter concrete surface water pipe, depths not exceeding 2 metres, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-01 to 07, App. 5/1 and in accordance with the Works Requirements	4	no		
4.112	Connection to existing gully connection pipework, new gully to existing 150mm gully connection pipe, depths not exceeding 2 metres, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500-01 to 07, App. 5/1 and in accordance with the Works Requirements	2	no		
4.113	Connection to existing chamber, Pipe Ref. S1.007, 150mm internal diameter concrete pipe to MH EX2, depths not exceeding 2 metres, as per drawing DACT-3011-ARP-DNG_RD-DR-ZZ-0500-02, App. 5/1 and in accordance with the Works Requirements	1	no		
4.114	Connection to existing chamber, Pipe Ref. S2.000, 225mm internal diameter concrete pipe to MH EX2, depths not exceeding 2 metres, as per drawing DACT-3011-ARP-DNG_RD-DR-ZZ-0500-03, App. 5/1 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.115	Connection to existing chamber, Pipe Ref. S3.001, 225mm internal diameter concrete pipe to MH EX4, depths not exceeding 2 metres, as per drawing DACT-3011-ARP-DNG_RD-DR-ZZ-0500-03, App. 5/1 and in accordance with the Works Requirements	1	no		
4.116	Connection to existing chamber, Pipe Ref. S4.001, 225mm internal diameter concrete pipe to MH EX5, depths not exceeding 2 metres, as per drawing DACT-3011-ARP-DNG_RD-DR-ZZ-0500-05, detail as per Type G Manhole - Backdrop on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-01, App. 5/1 and in accordance with the Works Requirements	1	no		
4.117	Connection to existing chamber, Pipe Ref. S5.002, 225mm internal diameter concrete pipe to MH EX6, depths not exceeding 2 metres, as per drawing DACT-3011-ARP-DNG_RD-DR-ZZ-0500-06, App. 5/1 and in accordance with the Works Requirements	1	no		
4.118	Connection to existing chamber, Pipe Ref. S6.000, 225mm internal diameter concrete pipe to MH EX6, depths not exceeding 2 metres, as per drawing DACT-3011-ARP-DNG_RD-DR-ZZ-0500-06, App. 5/1 and in accordance with the Works Requirements	1	no		
4.119	Connection to existing chamber, Pipe Ref. S7.003, 225mm internal diameter concrete pipe to MH EX7, depths not exceeding 2 metres, as per drawing DACT-3011-ARP-DNG_RD-DR-ZZ-0500-06, App. 5/1 and in accordance with the Works Requirements	1	no		
	Chambers and Gullies				
4.120	Gullies, pedestrian friendly gully, 420mm x 420mm cover, depth to invert not exceeding 1 meter, Ductile Iron Gully Grating & Frame to E.N. 124, Class C250, as per drawings DACT-3011-ARP-DNG_RD-ZZ-0500-01 to 07, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-03, App. 5/1 and in accordance with the Works Requirements	2	no		
4.121	Gullies, cycle friendly gully, 450mm x 320mm cover, depth to invert not exceeding 1 meter, Ductile Iron Gully Grating & Frame to E.N. 124, Class D400, as per drawings DACT-3011-ARP-DNG_RD-ZZ-0500-01 to DACT-3011-ARP-DNG_RD-ZZ-0500-07, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-03, App. 5/1 & 5/7 and in accordance with the Works Requirements	94	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.122	Gullies, cycle friendly gully, double gully, 450mm x 320mm cover, depth to invert not exceeding 1 meter, Ductile Iron Gully Grating & Frame to E.N. 124, Class D400, as per drawings DACT-3011-ARP-DNG_RD-ZZ-0500-01 to DACT-3011-ARP-DNG_RD-ZZ-0500-07, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-03, App. 5/1 & 5/7 and in accordance with the Works Requirements	19	no		
4.123	Chambers, manhole type A, 910x910mm, blockwork chamber, Cover size 600mm x 600mm, Depth to invert not exceeding 1 metre, ductile manhole cover grade Class D400 to EN 124, 300mm, as per drawings DACT-3011-ARP-DNG_RD-ZZ-0500_00-03 and DACT-3011-ARP-DNG_RD-ZZ-0500_00-06 and as per detail drawing DACT-3011-ARP-STR_SD-DR-DR-0560, Appendix 5/1, Appendix 5/2 and in accordance with the Works Requirements	16	no		
4.124	Chambers, manhole type A, 910x910mm, blockwork chamber, Cover size 600mm x 600mm cover, Depth to invert not exceeding 1 metre, ductile manhole cover grade Class C250 to EN 124, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500_00-06 and as per detail drawing DACT-3011-ARP-STR_SD-DR-DR-0560, Appendix 5/1, Appendix 5/2 and in accordance with the Works Requirements	2	no		
4.125	Chambers, manhole type B, 910x910mm, blockwork chamber, Cover size 600mm x 600mm, Depth to invert exceeding 1 metre but not exceeding 2 metres, ductile manhole cover grade Class C250 to EN 124, as per drawings DACT-3011-ARP-DNG_RD-ZZ-0500_00-05 and DACT-3011-ARP-DNG_RD-ZZ-0500_00-06 and as per detail drawing DACT-3011-ARP-STR_SD-DR-DR-0560, Appendix 5/1, Appendix 5/2 and in accordance with the Works Requirements	1	no		
4.126	Chambers, manhole type B, 1360x1360mm, blockwork chamber, Cover size 600mm x 600mm, Depth to invert exceeding 1 metre but not exceeding 2 metres, ductile manhole cover Class D400 to EN 124, as per drawing DACT-3011-ARP-DNG_RD-ZZ-0500_00-06 and as per detail drawing DACT-3011-ARP-STR_SD-DR-DR-0560, Appendix 5/1, Appendix 5/2 and in accordance with the Works Requirements	5	no		
4.127	Chambers, manhole type D, Manhole Ref. MH1, 1810x1810mm, blockwork chamber, Cover size 600mm x 600mm, Depth to invert exceeding 1 metre but not exceeding 2 metres, ductile manhole cover Class D400 to EN 124, as per drawings DACT-3011-ARP-DNG_RD-ZZ-0500_00-02 and as per detail drawing DACT-3011-ARP-STR_SD-DR-DR-0560, Appendix 5/1, Appendix 5/2 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.128	Chambers, manhole type D, Manhole Ref. MH2, 1810x1810mm, blockwork chamber, MH2 to have 2 no. 600mm x 600mm covers, (slab and reinforcement to slab measured separately), Depth to invert exceeding 1 metre but not exceeding 2 metres, ductile manhole cover Class D400 to EN 124, as per drawings DACT-3011-ARP-DNG_RD-ZZ-0500_00-02 and as per detail drawing DACT-3011-ARP-STR_SD-DR-DR-0560, Appendix 5/1, Appendix 5/2 and in accordance with the Works Requirements	1	no		
4.129	Catchpit chamber, 600mm x 600mm, 600mm x 600mm cover, Type B engineered brick chamber, Depth to invert not exceeding 1 metre, ductile manhole cover Class C250 to EN 124, as per drawings DACT-3011-ARP-DNG_RD-ZZ-0500_00-04 and DACT-3011-ARP-DNG_RD-ZZ-0500_00-06, as per detail drawing DACT-3011-ARP-STR_SD-DR-DR-0560, Appendix 5/1, Appendix 5/2 and in accordance with the Works Requirements	2	no		
4.130	Catchpit chamber, 600mm x 600mm, 600mm x 600mm cover, Type B engineered brick chamber, Depth to invert not exceeding 1 metre, ductile manhole cover Class D400 to EN 124, 300mm mastic asphalt surround to ironworks to 225mm depth, as per drawings DACT-3011-ARP-DNG_RD-ZZ-0500_00-04 and DACT-3011-ARP-DNG_RD-ZZ-0500_00-06, as per detail drawing DACT-3011-ARP-STR_SD-DR-DR-0560, Appendix 5/1, Appendix 5/2 and in accordance with the Works Requirements	3	no		
	<u>Service Ducts Chamber</u>				
4.131	Chambers, Access Chamber, Type JB1, 385x455mm, Depths to invert not exceeding 1 metre, covers and frame to E.N. 124, loading class D400, as per drawings DACT-3011-ARP-TSM_UE-DR-UT-0540-06, Appendix 5/2 and in accordance with the Works Requirements	1	no		
4.132	Chambers, Loop Chamber, Type JB2, Covers and frames will be supplied by DCC, 300x300mm, blockwork chamber, Depths to invert not exceeding 1 metre, covers and frame to E.N. 124, loading class D400, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to DACT-3011-ARP-TSM_SJ-DR-TA-1250-03, DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, Appendix 1/16 & 5/2 & 12/5 and in accordance with the Works Requirements	24	no		
4.133	Chambers, Type JB2, 730x260mm, blockwork chamber, Depths to invert not exceeding 1 metre, covers and frame to E.N. 124, ductile iron loading class D400, DACT-3011-ARP-LHT_RL-DR-LI-1300-03 and DACT-3011-ARP-LHT_RL-DR-LI-1300-06, Appendix 5/2 and in accordance with the Works Requirements	30	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.134	Chambers, Junction Inspection Chamber, Type JB4, Covers and frames (supplied by DCC), 915x445mm, blockwork chamber, Depths to invert exceeding 1 metre but not exceeding 2 metres, covers and frame to E.N. 124, loading class D400, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to DACT-3011-ARP-TSM_SJ-DR-TA-1250-03, DACT-3011-ARP-TSM_SJ-DR-TA-1250-05 and DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, Appendix 5/2 and in accordance with the Works Requirements	75	no		
4.135	Chambers, Telecom Chamber, Type JB4, 915x445mm, blockwork chamber, Depths to invert exceeding 1 metre but not exceeding 2 metres, covers and frame to E.N. 124, loading class D400, as per drawings DACT-3011-ARP-UTL_UK-DR-UT-0520-01 to DACT-3011-ARP-UTL_UK-DR-UT-0520-06, Appendix 5/2 and in accordance with the Works Requirements	34	no		
4.136	Chambers, DCC Type Chamber, Type JB4A, Covers and frames (supplied by DCC), 975mm x 915mm, blockwork chamber, Depths to invert exceeding 1 metre but not exceeding 2 metres, covers and frame to E.N. 124, loading class D400, as per drawings DACT-3011-ARP-UTL_UE-DR-UT-0550-02, DACT-3011-ARP-TSM_SJ-DR-TA-1250-01, DACT-3011-ARP-TSM_SJ-DR-TA-1250-03, DACT-3011-ARP-TSM_SJ-DR-TA-1250-05 and DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, Appendix 1/16 & 5/2 & 12/5 and in accordance with the Works Requirements	9	no		
4.137	Chamber, Type JB6, 1200mm x 600mm, blockwork chamber, Depth to invert not exceeding 1 metres, covers and frame to E.N. 124, loading class D400, as per drawing DACT-3011-ARP-UTL_UE-DR-UT-0550-02, Appendix 5/2 and in accordance with the Works Requirements	1	no		
4.138	Chambers, New Fibre Junction Chamber, Type JB36, Covers and frames (supplied by DCC), 600mm x 600mm, blockwork chamber, Depths to invert exceeding 1 metre but not exceeding 2 metres, covers and frame to E.N. 124, loading class D400, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-02 to DACT-3011-ARP-TSM_SJ-DR-TA-1250-05, Appendix 5/2 and in accordance with the Works Requirements	8	no		
	Soft Spots and Other Voids				
4.139	Excavation of soft spots and other voids, in accordance with the Works Requirements	100	m3		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS (Continued)				
4.140	Filling of soft spots and other voids, in accordance with the Works Requirements Renewal, Raising or Lowering Covers and Gratings on Existing Chambers and Gullies <u>Manholes</u>	100	m3		
4.141	Lowering the level of manholes, cover 600mm diameter, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.142	Lowering the level of manholes, cover 537mm diameter, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements <u>Inspection Chambers</u>	1	no		
4.143	Raising the level of inspection chambers, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	2	no		
4.144	Raising the level of inspection chambers, exceeding 150mm but not exceeding 300mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.145	Lowering the level of inspection chambers, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements <u>Hydrant Chambers</u>	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.146	Raising the level of hydrant chambers, 450mm x 330mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.147	Raising the level of hydrant chambers, 410mm x 250mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.148	Raising the level of hydrant chambers, 470mm x 530mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.149	Raising the level of hydrant chambers, 430mm x 310mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.150	Raising the level of hydrant chambers, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.151	Lowering the level of hydrant chambers, 300mm x 530mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.152	Lowering the level of hydrant chambers, 530mm x 340mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.153	Lowering the level of hydrant chambers, 570mm x 310mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
	<u>Sluice Valve Chambers</u>				

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.154	Lowering the level of sluice valve chambers, 150mm x 150mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	5	no		
4.155	Raising the level of sluice valve chambers, 150mm x 150mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	6	no		
	<u>Underground Electric</u>				
4.156	Raising the level of underground electric chambers, 620mm x 520mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.157	Raising the level of underground electric chambers, 780mm x 490mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.158	Raising the level of underground electric chambers, 1500mm x 350mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.159	Lowering the level of underground electric chambers, 670mm x 620mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.160	Lowering the level of underground electric chambers, 830mm x 350mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.161	Lowering the level of underground electric chambers, 1200mm x 390mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements <u>Combined Manholes</u>	1	no		
4.162	Raising the level of combined manholes 600mm diameter cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.163	Raising the level of combined manholes 600mm x 590mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.164	Raising the level of combined manholes 620mm x 610mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.165	Raising the level of combined manholes 610mm x 500mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.166	Lowering the level of combined manholes 600mm diameter cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements <u>Gullies</u>	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.167	Raising the level of gullies, 460mm x 220mm, not exceeding 150mm, including installation of new D400 cover, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, DACT-3011-ARP-DNG_RD-DR-ZZ-0500-01 to 07, App. 5/10 and in accordance with the Works Requirements	1	no		
4.168	Raising the level of gullies, 400mm x 310mm, not exceeding 150mm, including installation of new D400 cover, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, DACT-3011-ARP-DNG_RD-DR-ZZ-0500-01 to 07, App. 5/10 and in accordance with the Works Requirements	3	no		
4.169	Raising the level of gullies, 350mm x 250mm, not exceeding 150mm, including installation of new D400 cover, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, DACT-3011-ARP-DNG_RD-DR-ZZ-0500-01 to 07, App. 5/10 and in accordance with the Works Requirements	1	no		
4.170	Lowering the level of gullies, 460mm x 300mm, not exceeding 150mm, including installation of new D400 cover, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, DACT-3011-ARP-DNG_RD-DR-ZZ-0500-01 to 07, App. 5/10 and in accordance with the Works Requirements	1	no		
4.171	Raising the level of gullies, 400mm x 290mm, not exceeding 150mm, including installation of new D400 cover, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, DACT-3011-ARP-DNG_RD-DR-ZZ-0500-01 to 07, App. 5/10 and in accordance with the Works Requirements	1	no		
4.172	Raising the level of gullies, 450mm x 290mm, not exceeding 150mm, including installation of new D400 cover, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, DACT-3011-ARP-DNG_RD-DR-ZZ-0500-01 to 07, App. 5/10 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS (Continued)				
4.173	Raising the level of gullies, 430mm x 260mm, not exceeding 150mm, including installation of new D400 cover, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, DACT-3011-ARP-DNG_RD-DR-ZZ-0500-01 to 07, App. 5/10 and in accordance with the Works Requirements	1	no		
4.174	Raising the level of gullies, 280mm x 440mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.175	Raising the level of gullies, 440mm x 290mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.176	Raising the level of gullies, 280mm x 430mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.177	Raising the level of gullies, 420mm x 300mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.178	Raising the level of gullies, 460mm x 290mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.179	Raising the level of gullies, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.180	Raising the level of gullies, 320mm x 400mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.181	Raising the level of gullies, 320mm x 300mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.182	Raising the level of gullies, 400mm x 300mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.183	Raising the level of gullies, 410mm x 330mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.184	Raising the level of gullies, 330mm x 270mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.185	Raising the level of gullies, 330mm x 320mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.186	Raising the level of gullies, 420mm x 320mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.187	Raising the level of gullies, 370mm x 310mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	2	no		
4.188	Raising the level of gullies, 380mm x 350mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.189	Raising the level of gullies, 410mm x 320mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.190	Raising the level of gullies, 400mm x 320mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.191	Raising the level of gullies, 400mm x 370mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.192	Raising the level of gullies, 360mm x 310mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.193	Raising the level of gullies, 340mm x 300mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.194	Raising the level of gullies, 500mm x 390mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.195	Raising the level of gullies, 370mm x 320mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.196	Raising the level of gullies, 410mm x 290mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.197	Raising the level of gullies, 450mm x 250mm, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements <u>CATV Chambers</u>	1	no		
4.198	Raising the level of CATV chambers, 890mm x 570mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements <u>Gas Chambers</u>	1	no		
4.199	Raising the level of Gas chambers, 300mm diameter cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	3	no		
4.200	Raising the level of Gas chambers, 320mm x 320mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements <u>Telecom Chambers</u>	1	no		
4.201	Raising the level of Telecom chambers, 570mm x 560mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.202	Raising the level of Telecom chambers, 1110mm x 750mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.203	Lowering the level of Telecom chambers, 1020mm x 680mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.204	Lowering the level of Telecom chambers, 1110mm x 670mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.205	Lowering the level of Telecom chambers, 1120mm x 730mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.206	Lowering the level of Telecom chambers, 1040mm x 1000mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.207	Lowering the level of Telecom chambers, 880mm x 570mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.208	Lowering the level of Telecom chambers, 780mm x 520mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
	<u>Watermain Chambers</u>				
4.209	Raising the level of Watermain chambers, 220mm x 220mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.210	Raising the level of Watermain chambers, 270mm x 250mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.211	Raising the level of Watermain chambers, 210mm x 170mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.212	Raising the level of Watermain chambers, 230mm x 170mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.213	Raising the level of Watermain chambers, 230mm x 230mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.214	Raising the level of Watermain chambers, 280mm x 140mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.215	Raising the level of Watermain chambers, 240mm x 210mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.216	Raising the level of Watermain chambers, 260mm x 220mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.217	Lowering the level of Watermain chambers, 250mm x 240mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.218	Lowering the level of Watermain chambers, 460mm x 180mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.219	Lowering the level of Watermain chambers, 140mm x 80mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.220	Lowering the level of Watermain chambers, 130mm x 110mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.221	Lowering the level of Watermain chambers, 450mm x 320mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
	<u>Surface Water Manholes</u>				
4.222	Raising the level of Surface water manholes, 680mm x 490mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.223	Raising the level of Surface water manholes, 990mm x 620mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.224	Raising the level of Surface water manholes, 600mm diameter cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	8	no		
4.225	Lowering the level of Surface water manholes, 600mm diameter cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.226	Raising the level of Surface water manholes, 630mm x 570mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.227	Lowering the level of Surface water manholes, 620mm x 610mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.228	Raising the level of Surface water manholes, 610mm x 580mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.229	Raising the level of Surface water manholes, 610mm x 600mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.230	Raising the level of Surface water manholes, 640mm x 600mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	2	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.231	Lowering the level of Surface water manholes, 610mm x 610mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.232	Raising the level of Surface water manholes, 620mm x 600mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.233	Lowering the level of Surface water manholes, 610mm x 600mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.234	Raising the level of Surface water manholes, 640mm x 640mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.235	Raising the level of Surface water manholes, 660mm x 610mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.236	Raising the level of Surface water manholes, 590mm x 580mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.237	Raising the level of Surface water manholes, 650mm x 650mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.238	Raising the level of Surface water manholes, 620mm x 620mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.239	Lowering the level of Surface water manholes, 660mm x 650mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.240	Lowering the level of Surface water manholes, 620mm x 610mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
	<u>Traffic Chambers</u>				
4.241	Lowering the level of Traffic chambers, 460mm x 340mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.242	Lowering the level of Traffic chambers, 950mm x 470mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.243	Raising the level of Traffic chambers, 820mm x 340mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.244	Raising the level of Traffic chambers, 440mm x 330mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.245	Raising the level of Traffic chambers, 1010mm x 500mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.246	Raising the level of Traffic chambers, 960mm x 540mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.247	Raising the level of Traffic chambers, 770mm x 340mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.248	Raising the level of Traffic chambers, 460mm x 350mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.249	Raising the level of Traffic chambers, 810mm x 350mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.250	Raising the level of Traffic chambers, 470mm x 380mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.251	Lowering the level of Traffic chambers, 810mm x 340mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.252	Raising the level of Traffic chambers, 970mm x 520mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.253	Raising the level of Traffic chambers, 500mm x 360mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.254	Lowering the level of Traffic chambers, 1000mm x 530mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.255	Lowering the level of Traffic chambers, 800mm x 320mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.256	Lowering the level of Traffic chambers, 830mm x 360mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.257	Raising the level of Traffic chambers, 790mm x 350mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.258	Raising the level of Traffic chambers, 810mm x 380mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.259	Raising the level of Traffic chambers, 490mm x 360mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.260	Raising the level of Traffic chambers, 1010mm x 510mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.261	Lowering the level of Traffic chambers, 1000mm x 550mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.262	Lowering the level of Traffic chambers, 1000mm x 490mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.263	Raising the level of Traffic chambers, 480mm x 400mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.264	Raising the level of Traffic chambers, 830mm x 350mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.265	Raising the level of Traffic chambers, 960mm x 500mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.266	Lowering the level of Traffic chambers, 470mm x 300mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.267	Lowering the level of Traffic chambers, 450mm x 380mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.268	Raising the level of Traffic chambers, 980mm x 460mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
	<u>EIR Chambers</u>				

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.269	Lowering the level of EIR chambers, 1030mm x 1050mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.270	Raising the level of EIR chambers, 1020mm x 550mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.271	Lowering the level of EIR chambers, 300mm x 300mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.272	Raising the level of EIR chambers, 1060mm x 490mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.273	Lowering the level of EIR chambers, 1330mm x 710mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.274	Lowering the level of EIR chambers, 1390mm x 710mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.275	Raising the level of EIR chambers, 1710mm x 1040mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.276	Lowering the level of EIR chambers, 1090mm x 890mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.277	Raising the level of EIR chambers, 1380mm x 700mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.278	Lowering the level of EIR chambers, 1060mm x 1040mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.279	Raising the level of EIR chambers, 1020mm x 530mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.280	Raising the level of EIR chambers, 1020mm x 1010mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.281	Lowering the level of EIR chambers, 770mm x 320mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.282	Lowering the level of EIR chambers, 1290mm x 890mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.283	Lowering the level of EIR chambers, 1000mm x 570mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.284	Lowering the level of EIR chambers, 1060mm x 1000mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.285	Raising the level of EIR chambers, 1060mm x 1010mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.286	Lowering the level of EIR chambers, 980mm x 530mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.287	Raising the level of EIR chambers, 1000mm x 530mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.288	Lowering the level of EIR chambers, 1400mm x 700mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.289	Lowering the level of EIR chambers, 1050mm x 980mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.290	Lowering the level of EIR chambers, 1070mm x 1050mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.291	Raising the level of EIR chambers, 980mm x 530mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.292	Lowering the level of EIR chambers, 1060mm x 1040mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		

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Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS				
	(Continued)				
4.293	Lowering the level of EIR chambers, 1350mm x 680mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.294	Raising the level of EIR chambers, 1400mm x 690mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.295	Raising the level of EIR chambers, 1090mm x 1060mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.296	Lowering the level of EIR chambers, 980mm x 580mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.297	Raising the level of EIR chambers, 1030mm x 450mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.298	Raising the level of EIR chambers, 3170mm x 1020mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.299	Lowering the level of EIR chambers, 1050mm x 530mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.300	Lowering the level of EIR chambers, 530mm x 310mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		

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Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS (Continued)				
4.301	Raising the level of EIR chambers, 320mm x 520mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
4.302	Raising the level of EIR chambers, 730mm x 530mm cover, not exceeding 150mm, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0210-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0210-10, App. 5/10 and in accordance with the Works Requirements	1	no		
	<u>Renewal</u>				
4.303	Renewal, Installation of new gully covers, cycle friendly grate, as per drawing no. DACT-3011-ARP-DNG_RD-DR-ZZ-0500-01 to 07, DACT-3011-ARP-SPW_SC-DR-ZZ-0220-07, App. 5/1 and in accordance with the Works Requirements	21	no		
4.304	Renewal, Installation of new covers (Existing gully transformed to a catchpit), 300mm square access cover, as per drawing no. DACT-3011-ARP-DNG_RD-DR-ZZ-0500-01 to DACT-3011-ARP-DNG_RD-DR-ZZ-0500-07, detail on drawing no. DACT-3011-ARP-STR_SD-DR-DR-0560-03, App. 5/1 and in accordance with the Works Requirements	8	no		
	Excavation in Hard Material				
4.305	Extra over excavation for excavation of Hard Material in drainage and service ducts, as per drawings DACT-3011-ARP-DNG_RD-DR-ZZ-0500-01 to DACT-3011-ARP-DNG_RD-DR-ZZ-0500-07, App. 6 and in accordance with the Works Requirements	119	m3		
	Additional Protection of Existing Services				
4.306	Protection, existing service ducts to be covered with root barrier protection, as per drawing no. DACT-3011-ARP-UTL_UE-DR-UT-0530-01, DACT-3011-ARP-UTL_UE-DR-UT-0530-04, and in accordance with the Works Requirements	63	m		
	500 DRAINAGE AND SERVICE DUCTS				

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Ref	Description	QTY	UOM	Rate	Total
4	500 DRAINAGE AND SERVICE DUCTS (Continued)				
	COLLECTION Page 53: Page 54: Page 55: Page 56: Page 57: 500 DRAINAGE AND SERVICE DUCTS Carried to Summary:				

Ref	Description	QTY	UOM	Rate	Total
5	600 EARTHWORKS				
	Excavation				
5.1	Excavation, acceptable material class 5A, as per drawings DACT-3011-ARP-ERW_ER-DR-GT-0600-01 to DACT-3011-ARP-ERW_ER-DR-GT-0600-07, App. 6 and in accordance with the Works Requirements	154	m3		
5.2	Excavation, unacceptable material class U1, Cuttings and other excavation, as per drawings DACT-3011-ARP-ERW_ER-DR-GT-0600-01 to DACT-3011-ARP-ERW_ER-DR-GT-0600-07, App. 6 and in accordance with the Works Requirements	5,106	m3		
	Excavation in Hard Material				
5.3	Extra over excavation for excavation in Hard Material, cutting and other excavation as per drawings DACT-3011-ARP-ERW_ER-DR-GT-0600-01 to DACT-3011-ARP-ERW_ER-DR-GT-0600-07, App. 6 and in accordance with the Works Requirements	1,399	m3		
	Disposal of Material				
5.4	Disposal of acceptable material Class 5A, as per drawings DACT-3011-ARP-ERW_ER-DR-GT-0600-01 to DACT-3011-ARP-ERW_ER-DR-GT-0600-06, App. 6 and in accordance with the Works Requirements	58	m3		
5.5	Disposal of unacceptable material Class U1, as per drawings DACT-3011-ARP-ERW_ER-DR-GT-0600-01 to DACT-3011-ARP-ERW_ER-DR-GT-0600-07, App. 2/3, Table 2/3.1, App. 6 and in accordance with the Works Requirements	5,106	m3		
	Imported Fill				
5.6	Imported topsoil class 5B, to Landscape areas and screening mounds, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01, DACT-3011-ARP-GEO_LA-DR-LA-3000-02, DACT-3011-ARP-GEO_LA-DR-LA-3000-04 and DACT-3011-ARP-GEO_LA-DR-LA-3000-06 and as detail drawings in DACT-3011-ARP-GEO_LA-DR-LA-3010-02 and DACT-3011-ARP-GEO_LA-DR-LA-3010-03, 298284-11-3000-Landscape Specification and in accordance with the Works Requirements	304	m3		

To Collection

Ref	Description	QTY	UOM	Rate	Total
5	600 EARTHWORKS				
	(Continued)				
5.7	Imported Specialist topsoil, Engineered topsoil for SuDS/Raingarden application, purpose made sandy loam topsoil, Mix: 50% aggregate, 40% sandy silt loam topsoil, 10% composted green waste, landscape areas and screening mounds, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-06, detail on drawing DACT-3011-ARP-GEO_LA-3010-03, Q28/315B of DACT_3011-ARP-PMG_PS-SP-LA-0001 and in accordance with the Works Requirements	50	m3		
5.8	Imported acceptable material, Clause 804 fill, to bus shelter foundations, Fill above structural concrete foundations, as per drawings DACT-3011-ARP-TSM_UE-DR-UT-0540-01, DACT-3011-ARP-TSM_UE-DR-UT-0540-02, DACT-3011-ARP-TSM_UE-DR-UT-0540-05 and DACT-3011-ARP-TSM_UE-DR-UT-0540-06, detail drawings in Bus Shelter Info Pack_Urban_Bauer Media Outdoor, Appendix 26/4 and in accordance with the Works Requirement	9	m3		
5.9	Imported acceptable material fill, Class 6F2, fill on capping, sub-base material and roadbase, as per drawing no. DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-07, detail on drawing no. DACT-3011-ARP-STR_SD-DR-PV-0760-08, App. 6/7 and in accordance with the Works Requirements	500	m3		
5.10	Imported acceptable material fill, Grit/pea drainage layer, Type A material, to landscape areas and screening mounds, as per drawing no. DACT-3011-ARP-GEO_LA-DR-LA-3000-06, detail on drawing no. DACT-3011-ARP-GEO_LA-DR-3010-03, App. 5/1 and in accordance with the Works Requirements	6	m3		
5.11	Imported acceptable material fill, drainage layer, Type B material, to landscape areas and screening mounds, as per drawing no. DACT-3011-ARP-GEO_LA-DR-LA-3000-06, detail on drawing no. DACT-3011-ARP-GEO_LA-DR-3010-03, App. 5/1 and in accordance with the Works Requirements	11	m3		
5.12	Imported acceptable material fill, (for kerbs) Class 6F2, fill on capping, sub-base material and roadbase, as per drawing no. DACT-3011-ARP-GEO_LA-3010-02 to DACT-3011-ARP-GEO_LA-DR-LA-3010-04, App. 11/1 and in accordance with the Works Requirements	80	m3		
	Compaction of Fill				
To Collection					

Ref	Description	QTY	UOM	Rate	Total
5	600 EARTHWORKS				
	(Continued)				
5.13	Compaction of acceptable material fill, Class 6F2, fill on capping, sub-base material and roadbase, as per drawing no. DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-07, detail on drawing no. DACT-3011-ARP-STR_SD-DR-PV-0760-08, App. 6/7 and in accordance with the Works Requirements	500	m3		
5.14	Compaction of acceptable material fill, Grit/pea drainage layer, Type A material, to landscape areas and screening mounds, as per drawing no. DACT-3011-ARP-GEO_LA-DR-LA-3000-06, detail on drawing no. DACT-3011-ARP-GEO_LA-DR-3010-03, App. 5/1 and in accordance with the Works Requirements	6	m3		
5.15	Compaction of acceptable material fill, Clause 804 fill, to bus shelter foundations, Fill above structural concrete foundations, as per drawings DACT-3011-ARP-TSM_UE-DR-UT-0540-01, DACT-3011-ARP-TSM_UE-DR-UT-0540-02, DACT-3011-ARP-TSM_UE-DR-UT-0540-05 and DACT-3011-ARP-TSM_UE-DR-UT-0540-06, detail drawings in Bus Shelter Info Pack_Urban_Bauer Media Outdoor, Appendix 26/4 and in accordance with the Works Requirement	9	m3		
5.16	Compaction of acceptable material fill, drainage layer, Type B material, to landscape areas and screening mounds, as per drawing no. DACT-3011-ARP-GEO_LA-DR-LA-3000-06, detail on drawing no. DACT-3011-ARP-GEO_LA-DR-3010-03, App. 5/1 and in accordance with the Works Requirements	11	m3		
5.17	Compaction of acceptable material fill (for kerbs), Class 6F2, fill on capping, sub-base material and roadbase, as per drawing no. DACT-3011-ARP-GEO_LA-3010-02 to DACT-3011-ARP-GEO_LA-DR-LA-3010-04, App. 11/1 and in accordance with the Works Requirements	80	m3		
	Geotextiles				
	<u>Geotextile to SuDS Planter Area</u>				
5.18	Geotextile, Type A, geotextile separation layer as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01 and DACT-3011-ARP-GEO_LA-DR-LA-3000-06, as per detail drawings in DACT-3011-ARP-GEO_LA-DR-LA-3010-02 and DACT-3011-ARP-GEO_LA-DR-LA-3010-03, App. 6/5 and in accordance with the Works Requirements	54	m2		

To Collection

Ref	Description	QTY	UOM	Rate	Total
5	600 EARTHWORKS (Continued)				
	<u>Geotextile to Planters</u>				
5.19	Geotextile, root control barrier, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01 and DACT-3011-ARP-GEO_LA-DR-LA-3000-06, as per detail drawings in DACT-3011-ARP-GEO_LA-DR-LA-3010-02 and DACT-3011-ARP-GEO_LA-DR-LA-3010-03, App. 6/5 and in accordance with the Works Requirements	109	m2		
	Soft Spots and Other Voids				
5.20	Excavation of soft spots and other voids, below cuttings and under embankments, as per App. 6 and in accordance with the Works Requirements	250	m3		
5.21	Filling of soft spots and other voids, below cuttings or under embankments, Class 2F, as per App. 6 and in accordance with the Works Requirements	250	m3		
	Topsoiling				
5.22	Topsoiling, 150mm, surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01, DACT-3011-ARP-GEO_LA-DR-LA-3000-02, DACT-3011-ARP-GEO_LA-DR-LA-3000-04 and DACT-3011-ARP-GEO_LA-DR-LA-3000-05, App. 6/8 and in accordance with the Works Requirements	1,207	m2		
5.23	Topsoiling, 450mm, surfaces sloping at 10 or less to the horizontal, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01 to DACT-3011-01-ARP-GEO_LA-DR-LA-3011-06, App. 6/8 and in accordance with the Works Requirements	348	m2		
5.24	Topsoiling, 800mm (Engineered topsoil for SuDS area), surfaces sloping at 10 or less to the horizontal, as per drawing DACT-3011-01-ARP-GEO_LA-DR-LA-3011-06, App. 6/8 and in accordance with the Works Requirements	54	m2		
	Grass Seeding and Turfing				

To Collection

Ref	Description	QTY	UOM	Rate	Total
5	600 EARTHWORKS (Continued)				
5.25	Grass seeding surfaces sloping at 10° or more to the horizontal, Grass/Clover seed mix, 92% grasses, 8% clovers, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01, DACT-3011-ARP-GEO_LA-DR-LA-3000-02, DACT-3011-ARP-GEO_LA-DR-LA-3000-04 and DACT-3011-ARP-GEO_LA-DR-LA-3000-05, 298284-11_Planting Schedule and in accordance with the Works Requirements Completion of Formation	1,207	m2		
5.26	Completion of sub-formation on acceptable material, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 6/7 and in accordance with the Works Requirements	9,998	m2		
5.27	Completion of formation on acceptable material, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 6/7 and in accordance with the Works Requirements Disused Sewers, Drains, Cables, Ducts, Pipelines and the Like Occurring at Formation or Sub-formation Level; Disused Basements, Cellars and the Like and Gullies	9,998	m2		
5.28	Removal, depth to invert not exceeding 1 meter, disused gully as per drawing DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, App. 2/1 Table 2/1.1 and in accordance with the Works Requirements	44	no		
5.29	Removal, depth to invert not exceeding 1 meter, disused chamber, traffic light inspection chamber, 800mm x 300mm, as per drawing DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, App. 2/1 Table 2/1.1 and in accordance with the Works Requirements	24	no		
5.30	Removal, depth to invert not exceeding 1 meter, disused chamber, public lighting inspection chamber, as per drawing DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, App. 2/1 Table 2/1.1 and in accordance with the Works Requirements	2	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
5	600 EARTHWORKS				
	(Continued)				
5.31	Removal, watermain pipe, cast iron, 300mm diameter, disused service with depth to invert not exceeding 1 meter, as per drawings DACT-3011-ARP-UTL_UW-DR-UT-2700-01 and DACT-3011-ARP-UTL_UW-DR-UT-2700-02 and in accordance with Works Requirements	147	m		
5.32	Removal, drainage pipe, 150mm diameter, disused service with depth to invert exceeding 1 metre but not exceeding 2 metre, as per drawings DACT-3011-ARP-DNG_RD-DR-ZZ-0500-02 and DACT-3011-ARP-DNG_RD-DR-ZZ-0500-03, App. 5/1 Table 5/1.1 and in accordance with the Works Requirements	38	m		
5.33	Removal, drainage pipe, 150mm diameter, disused service with depth to invert not exceeding 1 metre, as per drawing DACT-3011-ARP-DNG_RD-DR-ZZ-0500-03, App. 5/1 Table 5/1.1 and in accordance with the Works Requirements in accordance with the Works Requirements	48	m		
5.34	Removal, drainage pipe, 225mm diameter, disused service with depth to invert not exceeding 1 metre, as per drawing DACT-3011-ARP-DNG_RD-DR-ZZ-0500-03, App. 5/1 Table 5/1.1 and in accordance with the Works Requirements in accordance with the Works Requirements	36	m		
5.35	Backfilling, depth to invert not exceeding 1 meter, disused gully as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, App. 2/1 Table 2/1.1 and in accordance with the Works Requirements	44	no		
5.36	Backfilling, depth to invert not exceeding 1 meter, disused chamber, traffic light inspection chamber, DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, App. 2/1 Table 2/1.1 and in accordance with the Works Requirements	24	no		
5.37	Backfilling, depth to invert not exceeding 1 meter, disused chamber, public lighting inspection chamber, DACT-3011-ARP-SPW_SC-DR-ZZ-0200-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0200-06, App. 2/1 Table 2/1.1 and in accordance with the Works Requirements	2	no		
5.38	Backfilling, watermain pipe, 300mm diameter, disused service with depth to invert not exceeding 1 meter, as per drawings DACT-3011-ARP-UTL_UW-DR-UT-2700-01 and DACT-3011-ARP-UTL_UW-DR-UT-2700-02 and in accordance with Works Requirements	13	m3		

To Collection

Ref	Description	QTY	UOM	Rate	Total
5	600 EARTHWORKS				
	(Continued)				
5.39	Removal, ESNB LV Ducts, 1 x 100mm diameter, disused service with one metre or less of cover to formation level, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0220-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0220-07, App. 6 and in accordance with the Works Requirements	33	m		
5.40	Removal, Public Lighting ducting, 1 x 100mm diameter, disused service with one metre or less of cover to formation level, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0220-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0220-07, App. 6 and in accordance with the Works Requirements	363	m		
5.41	Removal, Public Lighting ducting, 1 x 100mm diameter, disused service exceeding one metre but not exceeding 2 metres of cover to formation level, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0220-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0220-07, App. 6 and in accordance with the Works Requirements	403	m		
5.42	Removal, Public Lighting ducting, 2 x 100mm diameter, disused service with one metre or less of cover to formation level, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0220-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0220-07, App. 6 and in accordance with the Works Requirements	30	m		
5.43	Removal, Traffic Signal ducting, 1 x 100mm diameter, disused service with one metre or less of cover to formation level, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0220-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0220-07, App. 6 and in accordance with the Works Requirements	58	m		
5.44	Removal, Traffic Signal ducting, 2 x 100mm diameter, disused service with one metre or less of cover to formation level, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0220-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0220-07, App. 6 and in accordance with the Works Requirements	122	m		
5.45	Removal, Traffic Signal ducting, 2 x 100mm diameter, disused service exceeding one metre and not exceeding two metres of cover to formation level, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0220-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0220-07, App. 6 and in accordance with the Works Requirements	25	m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
5	600 EARTHWORKS				
	(Continued)				
5.46	Backfilling, ESBN LV Ducts, 1 x 100mm diameter, disused service with one metre or less of cover to formation level, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0220-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0220-07, App. 6 and in accordance with the Works Requirements	6	m3		
5.47	Backfilling, Public Lighting ducting, 1 x 100mm diameter, disused service with one metre or less of cover to formation level, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0220-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0220-07, App. 6 and in accordance with the Works Requirements	58	m3		
5.48	Backfilling, Public Lighting ducting, 1 x 100mm diameter, disused service exceeding one metre but not exceeding 2 metres of cover to formation level, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0220-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0220-07, App. 6 and in accordance with the Works Requirements	101	m3		
5.49	Backfilling, Public Lighting ducting, 2 x 100mm diameter, disused service with one metre or less of cover to formation level, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0220-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0220-07, App. 6 and in accordance with the Works Requirements	5	m3		
5.50	Backfilling, Traffic Signal ducting, 1 x 100mm diameter, disused service with one metre or less of cover to formation level, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0220-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0220-07, App. 6 and in accordance with the Works Requirements	6	m3		
5.51	Backfilling, Traffic Signal ducting, 2 x 100mm diameter, disused service with one metre or less of cover to formation level, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0220-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0220-07, App. 6 and in accordance with the Works Requirements	28	m3		
5.52	Backfilling, Traffic Signal ducting, 2 x 100mm diameter, disused service exceeding one metre and not exceeding 2 metres of cover to formation level, as per drawings DACT-3011-ARP-SPW_SC-DR-ZZ-0220-01 to DACT-3011-ARP-SPW_SC-DR-ZZ-0220-07, App. 6 and in accordance with the Works Requirements	10	m3		
	Trial Pits				
To Collection					

To Collection

Ref	Description	QTY	UOM	Rate	Total
5	600 EARTHWORKS (Continued)				
	COLLECTION Page 60: Page 61: Page 62: Page 63: Page 64: Page 65: Page 66: Page 67: Page 68: 600 EARTHWORKS Carried to Summary:				

Ref	Description	QTY	UOM	Rate	Total
6	700 PAVEMENTS				
	Subbase				
6.1	Pavement Type B: Subbase (2.1.1) UGMA, Thickness 300mm, in carriageway, hardshoulder and hardstrip, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	273	m3		
6.2	Pavement Type B1: Subbase (2.1.1) UGMA, Thickness 300mm, in carriageway, hardshoulder and hardstrip, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	47	m3		
6.3	Pavement Type D: Subbase (2.1.1) UGM A, Thickness 225mm, in carriageway, hardshoulder and hardstrip, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	555	m3		
6.4	Pavement Type D1: Subbase (2.1.1) UGM A, Thickness 225mm, in carriageway, hardshoulder and hardstrip, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	8	m3		
6.5	Pavement Type E: Subbase (2.1.1) UGM A, Thickness 300mm, in carriageway, hardshoulder and hardstrip, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-03, DACT-3011-ARP-PAV_PV-DR-PV-0700-05 and DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	46	m3		
6.6	Pavement Type E1: Subbase (2.1.1) UGM A, Thickness 300mm, in carriageway, hardshoulder and hardstrip, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-03, DACT-3011-ARP-PAV_PV-DR-PV-0700-05 and DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	60	m3		

To Collection

Ref	Description	QTY	UOM	Rate	Total
6	700 PAVEMENTS (Continued)				
6.7	Pavement Type F: Subbase (2.1.2) UGM Ac, Thickness 150mm, in carriageway, hardshoulder and hardstrip, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-03, DACT-3011-ARP-PAV_PV-DR-PV-0700-05 and DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements Pavements <u>Pavement Type A</u>	9	m3		
6.8	Surface Course (5.1.1) SMA10 surf PMB 65/105-60 des, Thickness 40mm, in carriageway, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements <u>Pavement Type A1</u>	9,881	m2		
6.9	Surface Course (5.1.1) SMA10 surf PMB 65/105-60 des, Thickness 40mm, in carriageway, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements <u>Pavement Type B</u>	712	m2		
6.10	Base Course (3.1.1) AC 32 dense base 40/60 des, Thickness 250mm, laid in 2 layers of 125mm, min. 10% to 70% reclaimed asphalt to be used, in carriageway, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	910	m2		
6.11	Binder Course (3.1.4) AC 20 dense bin 40/60 des, Thickness 60mm, min. 10% to 70% reclaimed asphalt to be used, in carriageway, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	910	m2		
6.12	Surface Course (5.1.1) SMA10 surf PMB 65/105-60 des, Thickness 40mm, in carriageway, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	910	m2		

To Collection

Ref	Description	QTY	UOM	Rate	Total
6	700 PAVEMENTS				
	(Continued)				
	<u>Pavement Type B1</u>				
6.13	Base Course (3.1.1) AC 32 dense base 40/60 des, Thickness 250mm, laid in 2 layers of 125mm, min. 10% to 70% reclaimed asphalt to be used, in carriageway, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	157	m2		
6.14	Binder Course (3.1.4) AC 20 dense bin 40/60 des, Thickness 60mm, min. 10% to 70% reclaimed asphalt to be used, in carriageway, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	157	m2		
6.15	Surface Course (5.1.1) SMA10 surf PMB 65/105-60 des, Thickness 40mm, in carriageway, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	157	m2		
	<u>Pavement Type C</u>				
6.16	Base Course (3.1.1) AC 32 dense base 40/60, thickness 100mm, min. 10% to 70% reclaimed asphalt to be used, in carriageway, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-03 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	20	m2		
6.17	Binder Course (3.1.4) AC 20 dense bin 40/60 des, thickness 60mm, min. 10% to 70% reclaimed asphalt to be used, in carriageway, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-03 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	20	m2		
6.18	Surface course (5.1.1) SMA10 surf PMB 65/105-60 des, thickness 40mm, in carriageway, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-03 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	20	m2		
	<u>Pavement Type D</u>				

To Collection

Ref	Description	QTY	UOM	Rate	Total
6	700 PAVEMENTS				
	(Continued)				
6.19	Binder course (3.1.5) AC 20 dense bin 40/60 Thickness 65mm, min. 10% to 70% reclaimed asphalt to be used, in carriageway, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	2,468	m2		
6.20	Surface course (5.1.1) SMA 6 surf PMB 65/105-60 des Thickness 25mm, Colour RAL 3013 as per specification of red surface course for use on off road urban cycleways, in carriageway, as per drawings as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements <u>Pavement Type D1</u>	2,468	m2		
6.21	Binder course (3.1.5) AC 20 dense bin 40/60 Thickness 50mm, min. 10% to 70% reclaimed asphalt to be used, in carriageway, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	37	m2		
6.22	Surface course (5.1.1) SMA 10 surf PMB 65/105-60 des Thickness 40mm, as per specification of red surface course for use on off road urban cycleways, in carriageway, as per drawings as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements <u>Pavement Type E</u>	37	m2		
6.23	Base Course (3.1.1) AC 32 dense base 40/60 des, thickness 250mm, laid in two layers of 125mm, in carriageway, min. 10% to 70% reclaimed asphalt to be used, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-03, DACT-3011-ARP-PAV_PV-DR-PV-0700-05 and DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	152	m2		

To Collection

Ref	Description	QTY	UOM	Rate	Total
6	700 PAVEMENTS				
	(Continued)				
6.24	Binder course (3.1.4) AC 20 dense bin 40/60 des Thickness 60mm, min. 10% to 70% reclaimed asphalt to be used, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-03, DACT-3011-ARP-PAV_PV-DR-PV-0700-05 and DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	152	m2		
6.25	Surface course (5.1.1) SMA10 surf PMB 65/105-60 des Thickness 40mm, red colour, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-03, DACT-3011-ARP-PAV_PV-DR-PV-0700-05 and DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements <u>Pavement Type E1</u>	152	m2		
6.26	Base Course (3.1.1) AC 32 dense base 40/60 des, thickness 250mm, laid in two layers of 125mm, in carriageway, min 10% to 70% reclaimed asphalt to be used, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-03, DACT-3011-ARP-PAV_PV-DR-PV-0700-05 and DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	199	m2		
6.27	Binder course (3.1.4) AC 20 dense bin 40/60 des, Thickness 60mm, min. 10% to 70% reclaimed asphalt to be used, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-03, DACT-3011-ARP-PAV_PV-DR-PV-0700-05 and DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	199	m2		
6.28	Surface course (5.1.1) SMA10 surf PMB 65/105-60 des Thickness 40mm, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-03, DACT-3011-ARP-PAV_PV-DR-PV-0700-05 and DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements <u>Pavement Type F</u>	199	m2		

To Collection

Ref	Description	QTY	UOM	Rate	Total
6	700 PAVEMENTS				
	(Continued)				
6.29	Concrete Slab (Clause 1001 to 1034), Reinforced C40/50 or air entrained C32/40 with A393 mesh, brushed surface finished, thickness 180mm, as per drawing DACT-3011-ARP-PAV_PV-DR-PV-0700-01, App. 7/1 and in accordance with the Works Requirements	57	m2		
	Regulating Course				
6.30	Pavement type A, A1 and C, Regulating Course (5.1.8) SMA 10 bin 40/60 des, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	372	m3		
6.31	Pavement type D and D1, Regulating Course (5.1.7) SMA 10 surf PMB 65/105-60 des, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	51	m3		
	Surface Treatment				
6.32	Pavement type A1, High friction surfacing, Red colour (Red High Friction Surfacing to be applied only to the extent of the carriageway pavement carrying a cycle lane), thickness 3mm, cold binder as per Clause 7.3.2.1 of CC-SPW-00900 and DN-PAV-03074 Clause 5.7, per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-03 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 & 7/11 and in accordance with the Works Requirements	712	m2		
6.33	Pavement type E1, High friction surfacing, Red High Friction Surfacing to be applied only to the extent of the carriageway pavement carrying a cycle lane, thickness 3mm, cold binder as per Clause 7.3.2.1 of CC-SPW-00900 and DN-PAV-03074 Clause 5.7, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 & 7/11 and in accordance with the Works Requirements	199	m2		
6.34	Pavement type E1, High friction surfacing, Blue High Friction Surfacing to be applied only to the extent of the carriageway pavement carrying an accessible bay, thickness 3mm, cold binder as per Clause 7.3.2.1 of CC-SPW-00900 and DN-PAV-03074 Clause 5.7, as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 & 7/11 and in accordance with the Works Requirements	24	m2		

To Collection

Ref	Description	QTY	UOM	Rate	Total
6	700 PAVEMENTS (Continued)				
	Bond Coat				
6.35	Bond coat, residual binder, rate of spread minimum of 0,30kg/m ² , as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, clause 10.1.4 of CC-SPW-00900, App. 7/4 and in accordance with the Works Requirements	10,593	m2		
	Cold Milling				
6.36	Milling, thickness 40mm, as per drawing DACT-3011-ARP_ER-DR-GT-0600-01 to DACT-3011-ARP_ER-DR-GT-0600-07, App. 7/9 and in accordance with the Works Requirements	10,427	m2		
	Geotextiles and Geotextile Related Products				
6.37	Geotextiles, Stress absorbing member interlayers (SAMI), as per drawings DACT-3011-ARP-PAV_PV-DR-PV-0700-01 to DACT-3011-ARP-PAV_PV-DR-PV-0700-06, App. 7/1 and in accordance with the Works Requirements	1,419	m2		
	700 PAVEMENTS				

To Collection

Ref	Description	QTY	UOM	Rate	Total
6	700 PAVEMENTS (Continued)				
	COLLECTION Page 70: Page 71: Page 72: Page 73: Page 74: Page 75: Page 76: 700 PAVEMENTS Carried to Summary:				

Ref	Description	QTY	UOM	Rate	Total
7	1100 KERBS, FOOTWAYS AND PAVED AREAS				
	Kerbs, Channels, Edgings, Combined Drainage and Kerb Blocks and Linear Drainage Channel Systems				
	<u>Straight or curved exceeding 12 metres radius</u>				
7.1	Kerb K1, In-situ half battered kerb, 225mm width, height 435mm, 100mm upstand, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	938	m		
7.2	Kerb K1a, In-situ half battered kerb, 225mm width, height 435mm, 120mm upstand, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	210	m		
7.3	Kerb K1b, In-situ half battered kerb, 225mm width, height 435mm, 60mm upstand with 15 degree batter, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	1,181	m		
7.4	Kerb K1c, In-situ half battered kerb, 225mm width, height 435mm, 0mm upstand, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	200	m		
7.5	Kerb K2, In-situ trafficked splay kerb, 250mm width, height 140mm,. 60mm upstand, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	23	m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
7	1100 KERBS, FOOTWAYS AND PAVED AREAS (Continued)				
7.6	Kerb K2a, In-situ trafficked splay kerb, 250mm width, height 140mm, 0mm upstand, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	24	m		
7.7	Kerb K2b, In-situ trafficked splay kerb, 250mm width, height 140mm, 25mm upstand, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	17	m		
7.8	Kerb K3, Bus Kerb, Pre-cast concrete kerb, 435mm x 314mm, 160mm upstand, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-01, App. 11/1 and in accordance with the Works Requirements	176	m		
7.9	Kerb K4, Bus Stop Transition Kerb, Pre-cast concrete kerb, 435mm width, varying heights, upstand from abutting kerb to 160mm, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-01, App. 11/1 and in accordance with the Works Requirements	22	m		
7.10	Kerb K5, In-situ concrete separator kerb, 280mm width, 430mm height, upstand 60mm on cycle track, 100mm on carriageway, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	642	m		
7.11	Kerb K5a, In-situ concrete separator kerb, 300mm width, upstand 120mm on cycle track, 75mm on carriageway, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	183	m		
To Collection					

Ref	Description	QTY	UOM	Rate	Total
7	1100 KERBS, FOOTWAYS AND PAVED AREAS (Continued)				
7.12	Kerb K6, In-situ concrete dropped kerb flush, 200mm width, 150mm height, 0mm upstand, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	332	m		
7.13	Kerb K7, In-situ concrete dropped kerb, 250mm width, 140mm height, 60mm show height with 0mm upstand, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	29	m		
7.14	Kerb K7a, In-situ concrete dropped kerb, 250mm width, 140mm height, 60mm show height with 25mm upstand, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	21	m		
7.15	Kerb K8, In-situ concrete kerb, 300mm width, 245mm height, upstand 75mm on cycle track/carriageway, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	76	m		
7.16	Kerb K9, In-situ concrete transition kerb, varying upstand, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	245	m		
7.17	Kerb K10, In-situ concrete central delineator strip, 125mm width, 80mm height, 20mm upstand, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	27	m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
7	1100 KERBS, FOOTWAYS AND PAVED AREAS (Continued)				
7.18	Kerb K12, In-situ concrete concrete bevelled kerb, 250mm width, 140mm height, 60mm show height with 0mm upstand, straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements <u>Curved not exceeding 12 metres radius</u>	18	m		
7.19	Kerb K1, In-situ half battered kerb, 225mm width, height 435mm, 100mm upstand, curved not exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-SK-1100-01 to DACT-3011-ARP-PAV_HS-DR-SK-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	95	m		
7.20	Kerb K1a, In-situ half battered kerb, 225mm width, height 435mm, 120mm upstand, curved not exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-SK-1100-01 to DACT-3011-ARP-PAV_HS-DR-SK-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	15	m		
7.21	Kerb K1b, In-situ half battered kerb, 225mm width, height 435mm, 60mm upstand with 15 degree batter, curved not exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-SK-1100-01 to DACT-3011-ARP-PAV_HS-DR-SK-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	37	m		
7.22	Kerb K1c, In-situ half battered kerb, 225mm width, height 435mm, 0mm upstand, curved not exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-SK-1100-01 to DACT-3011-ARP-PAV_HS-DR-SK-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	21	m		
7.23	Kerb K5, In-situ concrete separator kerb, 280mm width, 430mm height, upstand 60mm on cycle track, 100mm on carriageway, curved not exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-SK-1100-01 to DACT-3011-ARP-PAV_HS-DR-SK-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	17	m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
7	1100 KERBS, FOOTWAYS AND PAVED AREAS (Continued)				
7.24	Kerb K6, In-situ concrete dropped kerb flush, 200mm width, 150mm height, 0mm upstand, curved not exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-SK-1100-01 to DACT-3011-ARP-PAV_HS-DR-SK-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	35	m		
7.25	Kerb K7, In-situ concrete dropped kerb, 250mm width, 140mm height, 60mm show height with 0mm upstand, curved not exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-SK-1100-01 to DACT-3011-ARP-PAV_HS-DR-SK-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	4	m		
7.26	Kerb K7a, In-situ concrete dropped kerb, 250mm width, 140mm height, 60mm show height with 25mm upstand, curved not exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-SK-1100-01 to DACT-3011-ARP-PAV_HS-DR-SK-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	3	m		
7.27	Kerb K8, In-situ concrete kerb, 300mm width, 245mm height, upstand 75mm on cycle track/carriageway, curved not exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-SK-1100-01 to DACT-3011-ARP-PAV_HS-DR-SK-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements	2	m		
7.28	Kerb K9, In-situ concrete transition kerb, varying upstand, curved not exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-SK-1100-01 to DACT-3011-ARP-PAV_HS-DR-SK-1100-07, detail on drawing DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements <u>Linear Drainage Channel Systems</u>	40	m		
7.29	Linear drainage channel systems, Channel A, in-situ concrete class C28/35 to IS EN 206-1, 300mm x 200mm, channels to be cast against proposed kerbs, as per drawings DACT-3011-ARP-DNG_RD-DR-ZZ-0500-01 to DACT-3011-ARP-DNG_RD-DR-ZZ-0500-06, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-02, App. 5, App. 11 and in accordance with the Works Requirements	177	m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
7	1100 KERBS, FOOTWAYS AND PAVED AREAS (Continued)				
7.30	Linear drainage channel systems, Channel B, pre-cast concrete, 300mm x 200mm, C28/35 concrete bedding and surround, as per drawings DACT-3011-ARP-DNG_RD-DR-ZZ-0500-01 to DACT-3011-ARP-DNG_RD-DR-ZZ-0500-06, detail on drawing DACT-3011-ARP-STR_SD-DR-DR-0560-02, App. 5, App. 11 and in accordance with the Works Requirements Additional Concrete for Kerbs, Channels, Edgings, Combined Drainage and Kerb Blocks and Linear Drainage Channel Systems	13	m		
7.31	Additional concrete, Grade ST4, To Kerbs, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-06, as per detail drawings DACT-3011-ARP-STR_SD-DR-CI-1160-04 and in accordance with the Works Requirements Remove from Store and Relay Kerbs, Channels, Edgings, Combined Drainage and Kerb Blocks and Linear Drainage Channel Systems	57	m3		
7.32	Remove from store and relay kerbs, Kerb K11, historic pre-cast kerbs, Straight or curved exceeding 12 metres radius, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-05, detail on drawing no. DACT-3011-ARP-STR_SD-DR-CI-1160-05, App. 11/1 and in accordance with the Works Requirements Footways and Paved Areas	82	m		
7.33	Footways, Paving Type P1, In-situ concrete footpath, Surface course; 150mm of unreinforced C40/50 concrete with exposed aggregate finish to Clause 1001 to 1034, 1044 and 1106 from CC-SPW-01000 and 01100, Subbase; 125mm of UGM Ac to clause 2.1.2 from CC-SPW-00800, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-06, detail on drawing no. DACT-3011-ARP-STR_SD-DR-CI-1160-09, App. 11/1 and in accordance with the Works Requirements	4,967	m2		

To Collection

Ref	Description	QTY	UOM	Rate	Total
7	1100 KERBS, FOOTWAYS AND PAVED AREAS (Continued)				
7.34	Footways, Paving Type P2, In-situ concrete footpath with reinforcement, Surface course; 200mm of reinforced C40/50 concrete with exposed aggregate finish to Clause 1001 to 1034, 1044 and 1106 from CC-SPW-01000 and 01100 (A393 reinforcement in top third), Subbase; 125mm of UGM Ac to clause 2.1.2 from CC-SPW-00800, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-06, detail on drawing no. DACT-3011-ARP-STR_SD-DR-CI-1160-09, App. 11/1 and in accordance with the Works Requirements	321	m2		
7.35	Footways, Paving Type P3, Bituminous footpath, Surface course; 100mm of SMA 10 surf PMB 65/105-60 des-Black tarmac poured in 33.3m depths, Subbase; 400mm UGM A as per Clause 2.1.1 of CC-SPW-1100, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-06, detail on drawing no. DACT-3011-ARP-STR_SD-DR-CI-1160-09, App. 11/1 and in accordance with the Works Requirements	10	m2		
7.36	Footways, Paving Type P6, In-situ concrete island on subgrade, Surface course; 200mm of unreinforced C40/50 concrete with exposed aggregate finish to Clause 1001 to 1034, 1044 and 1106 from CC-SPW-01000 and 01100, Subbase; 150mm of UGM Ac to clause 2.1.2 from CC-SPW-00800, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-06, detail on drawing no. DACT-3011-ARP-STR_SD-DR-CI-1160-09, App. 11/1 and in accordance with the Works Requirements	144	m2		
7.37	Footways, Paving Type P7, In-situ concrete reinforced footpath across raised crossing, Surface course; 200mm of reinforced C40/50 concrete with exposed aggregate finish to Clause 1001 to 1034, 1044 and 1106 from CC-SPW-01000 and 01100 (A393 reinforcement in top third), Subbase; 150mm of UGM Ac to clause 2.1.2 from CC-SPW-00800, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-06, detail on drawing no. DACT-3011-ARP-STR_SD-DR-CI-1160-09, App. 11/1 and in accordance with the Works Requirements	57	m2		
7.38	Footways, Paving Type P8, In-situ porous bituminous footpath on capping layer, Surface course; 100mm of porous rubber & aggregate flexible resin bound surfacing with black exposed aggregate, PSV value 50, Subbase; 100mm of UGM B to Clause 2.1.1 from CC-SPW-00800, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-06, detail on drawing no. DACT-3011-ARP-STR_SD-DR-CI-1160-09, App. 11/1 and in accordance with the Works Requirements	12	m2		

To Collection

Ref	Description	QTY	UOM	Rate	Total
7	1100 KERBS, FOOTWAYS AND PAVED AREAS (Continued)				
7.39	Paved Areas, Paving Type P4, 200mm x 100mm x 80mm, Subbase; 100mm UGM Ac to Clause 2.1.2, Base; 125mm Unreinforced C20/25 concrete, Laying course; 50mm compacted sand as per CC-SPW-01100, primary slurry to be applied before slabs being laid, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-06, detail on drawing no. DACT-3011-ARP-STR_SD-DR-CI-1160-09, App. 11/1 and in accordance with the Works Requirements	21	m2		
7.40	Paved Areas, Paving Type P5, Concrete paving slabs, base; 110mm of UGM A to Clause 2.1.1 from CC-SPW-00800, layering course; 50mm of Type 25 bedding mortar to Clause 5.4 of BS 7533-101, priming slurry to be applied before slabs being laid, Surface course; 600mm x 600mm x 63mm of new concrete paving slabs, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-06, detail on drawing no. DACT-3011-ARP-STR_SD-DR-CI-1160-09, App. 11/1 and in accordance with the Works Requirements	26	m2		
7.41	Paved Areas, Paving Type P9, 50mm x 50mm x 50mm silver granite setts, laid on 50mm deep Steintec tuffset G or equivalent bedding mortar, 2-3mm Steintec tuffset G or equivalent primer to be applied to setts, 10mm Steintec tuffset G jointing mortar, on shared ST4 concrete base and compacted subgrade as indicated on detail 08 on drawing no. DACT-3011-ARP-GEO_LA-DR-LA-3010-04, as per Q25/145 of Landscape Specification DACT_3011-ARP-PMG_PS-SP-LA-001 and in accordance with the Works Requirements	9	m2		
7.42	Paved Areas, Paving Type T1, Red blister tactile paving flags, 400mm x 400mm x 50mm, Subbase; 240mm UGM Ac laid in two layers of minimum 110mm, Base; 100mm Unreinforced C20/25, Laying course; 40mm Type 35 bedding mortar with bonding mortar, Jointing material; Type 25 jointing mortar, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-06, detail on drawing no. DACT-3011-ARP-STR_SD-DR-CI-1160-09, App. 11/1 and in accordance with the Works Requirements	181	m2		

To Collection

Ref	Description	QTY	UOM	Rate	Total
7	1100 KERBS, FOOTWAYS AND PAVED AREAS (Continued)				
7.43	Paved Areas, Paving Type T2, Buff blister tactile concrete paving flags, 400mm x 400mm x 50mm, Subbase; 240mm UGM Ac laid in two layers of minimum 110mm, Base; 100mm Unreinforced C20/25, Laying course; 40mm Type 35 bedding mortar with bonding mortar, Jointing material; Type 25 jointing mortar, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-06, detail on drawing no. DACT-3011-ARP-STR_SD-DR-CI-1160-09, App. 11/1 and in accordance with the Works Requirements	63	m2		
7.44	Paved Areas, Paving Type T3, Buff tramline/ladder tactile concrete paving flags, 400mm x 400mm x 50mm, Subbase; 240mm UGM Ac laid in two layers of minimum 110mm, Base; 100mm Unreinforced C20/25, Laying course; 40mm Type 35 bedding mortar with bonding mortar, Jointing material; Type 25 jointing mortar, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-06, detail on drawing no. DACT-3011-ARP-STR_SD-DR-CI-1160-09, App. 11/1 and in accordance with the Works Requirements	20	m2		
7.45	Paved Areas, Paving Type T4, Buff guidance tactile concrete paving flags, 400mm x 400mm x 50mm, Subbase; 240mm UGM Ac laid in two layers of minimum 110mm, Base; 100mm Unreinforced C20/25, Laying course; 40mm Type 35 bedding mortar with bonding mortar, Jointing material; Type 25 jointing mortar, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-06, detail on drawing no. DACT-3011-ARP-STR_SD-DR-CI-1160-09, App. 11/1 and in accordance with the Works Requirements	4	m2		
7.46	Paved Areas, Paving Type T5, Grey blister tactile concrete paving flags, 400mm x 400mm x 50mm, Subbase; 240mm UGM Ac laid in two layers of minimum 110mm, Base; 100mm Unreinforced C20/25, Laying course; 40mm Type 35 bedding mortar with bonding mortar, Jointing material; Type 25 jointing mortar, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-06, detail on drawing no. DACT-3011-ARP-STR_SD-DR-CI-1160-09, App. 11/1 and in accordance with the Works Requirements	1	m2		

To Collection

Ref	Description	QTY	UOM	Rate	Total
7	1100 KERBS, FOOTWAYS AND PAVED AREAS (Continued)				
7.47	Paved Areas, Paving Type T6, Buff corduroy tactile concrete paving flags, 400mm x 400mm x 50mm, Subbase; 240mm UGM Ac laid in two layers of minimum 110mm, Base; 100mm Unreinforced C20/25, Laying course; 40mm Type 35 bedding mortar with bonding mortar, Jointing material; Type 25 jointing mortar, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-06, detail on drawing no. DACT-3011-ARP-STR_SD-DR-CI-1160-09, App. 11/1 and in accordance with the Works Requirements Remove from Store and Relay Paving Flags and Blocks	21	m2		
7.48	Remove from store and relay paving in paved areas, Paving Type P4, 200mm x 100mm x 80mm, Subbase; 100mm UGM Ac to Clause 2.1.2, Base; 125mm Unreinforced C20/25 concrete, Laying course; 50mm compacted sand as per CC-SPW-01100, primary slurry to be applied before slabs being laid, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-06, detail on drawing no. DACT-3011-ARP-STR_SD-DR-CI-1160-09, App. 11/1 and in accordance with the Works Requirements	64	m2		
7.49	Remove from store and relay paving in paved areas, Paving Type P5, Concrete paving slabs, base; 110mm of UGM A to Clause 2.1.1 from CC-SPW-00800, layering course; 50mm of Type 25 bedding mortar to Clause 5.4 of BS 7533-101, priming slurry to be applied before slabs being laid, Surface course; 600mm x 600mm x 63mm of reused concrete paving slabs, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-PAV_HS-DR-CI-1100-01 to DACT-3011-ARP-PAV_HS-DR-CI-1100-06, detail on drawing no. DACT-3011-ARP-STR_SD-DR-CI-1160-09, App. 11/1 and in accordance with the Works Requirements	78	m2		
7.50	Remove from store and relay paving in paved areas, existing heritage cobbles, as per drawing no. DACT-3011-ARP-GEO_LA-DR-LA-3000-01 to DACT-3011-ARP-GEO_LA-DR-LA-3000-02, App. 2/3 and in accordance with the Works Requirements Remove from Store and Re-erect Street Furniture	52	m2		
7.51	Remove from store and re-erect DLRCC bin, as per drawing no, DACT-3011-ARP-GEO_LA-DR-LA-3000-06 and in accordance with the Works Requirements	2	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
7	1100 KERBS, FOOTWAYS AND PAVED AREAS (Continued)				
7.52	Remove from store and re-erect street furniture, Pay and Display Parking Machine, to be installed in 500mm x 500mm grade C25 concrete base, set in 2 no. anchoring roads, secured with M16 nuts, as per drawing no. DACT-3011-ARP-GEO_LA-DR-LA-3000-01, detail on drawing no. DACT-3011-ARP-STR_SD-DR-ZZ-4000-07, and in accordance with the Works Requirements Street Furniture	1	no		
7.53	Bench Seating, OMOS v49s or equivalent, Hardwood seat with microporous coating finish and bush-hammered granite stone ends, supplied with 1no. continuous back rest and 2 no. armrests, Bench length 2750mm, bench width 600mm, height 830mm, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01, as per detail drawing DACT-3011-ARP-GEO_LA-DR-LA-3010-01, Q50/220 of DACT_3011-ARP-PMG_PS-SP-LA-0001 and in accordance with the Works Requirements	1	no		
7.54	Sheffield cycle stand or equivalent, 750mm high above ground, 850mm width, Material 316 Grade Stainless Steel, Brushed Polished Finish Cycle Stand made of 50mm circular hollow section with 2mm wall thickness, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01 and DACT-3011-ARP-GEO_LA-DR-LA-3000-02, as per detail drawing DACT-3011-ARP-GEO_LA-DR-LA-3010-01, Q50/210 of DACT-3011-ARP-PMG_PS-SP-LA-0001 and in accordance with the Works Requirements	9	no		
7.55	Litter Bin, HC2056 - 100 litre Litter Bin or equivalent, 12mm Cast ductile iron, round top, fully galvanised with polyester powder coating, as per drawing no. DACT-3011-ARP-GEO_LAD-DR-LA-3000-01, Q50/242 of DACT_3011-ARP-PMG_PS-SP-LA-0001 and in accordance with the Works Requirements	1	no		
7.56	Water Drinking Fountain, Join the Pipe, Kent Stainless or equivalent, Stainless Steel, AISI 316 finish, Size 410mm x 700mm x 1228mm, as per drawing no. DACT-3011-ARP-GEO_LA-DR-LA-3000-01, detail on drawing no. DACT-3011-ARP-GEO_LA-DR-LA-3010-04, Q50/215 of DACT_3011-ARP-PMG_PS-SP-LA-0001 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
7	1100 KERBS, FOOTWAYS AND PAVED AREAS (Continued)				
7.57	Planter Wall Arm Rests, Stainless steel arm rest, 500mm spacing between each set, Grade 314 (A4) satin brushed finish, 150mm height, 150mm base, 230mm top, 20mm internal bend radius, plate 6mm, fixing; 2 no. A4 M10 resin anchors 75mm embedded into sound stone, as per drawing mo. DACT-3011-ARP-GEO_LA-DR-LA-3000-02, detail on drawing no. DACT-3011-ARP-GEO_LA-DR-LA-3010-04, Q50/265 of DACT_3011-ARP-PMG_PS-SP-LA-0001 and in accordance with the Works Requirements 1100 KERBS, FOOTWAYS AND PAVED AREAS	10	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
7	1100 KERBS, FOOTWAYS AND PAVED AREAS (Continued)				
	COLLECTION Page 78: Page 79: Page 80: Page 81: Page 82: Page 83: Page 84: Page 85: Page 86: Page 87: Page 88: Page 89: 1100 KERBS, FOOTWAYS AND PAVED AREAS Carried to Summary:				

Ref	Description	QTY	UOM	Rate	Total
8	1200 TRAFFIC SIGNS AND ROAD MARKINGS				
	Permanent Traffic Signs				
8.1	Permanent traffic signs, retroreflective, non-lit unit, S001, S009, S018, S021, S022, S030, S044, S045, S049, S053, S056, TSM RUS 009 Ref. 0.16 m2 area, 76.1mm diameter, steel tubular post S275, mounting height 2300 mm and 3200 mm post length, including RS76 retention socket, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01, DACT-3011-ARP-TSM_RS-DR-ZM-1200-03, DACT-3011-ARP-TSM_RS-DR-ZM-1200-04, DACT-3011-ARP-TSM_RS-DR-ZM-1200-05 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	11	no		
8.2	Permanent traffic signs, retroreflective, non-lit unit, S002, S003, S004 TSM RUS 058 Ref. 0.16 m2 area, 76.1 mm diameter, steel tubular post S275, mounting height 2500 mm and 3400 mm post length, including RS76 retention socket, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-01, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	3	no		
8.3	Permanent traffic signs, retroreflective, non-lit unit, S005, TSM RUS 027 Ref. 0.47 m2 area, 76.1 mm diameter, steel tubular post S275, mounting height 2500 mm and 3700 mm post length, including RS76 retention socket, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-01, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.4	Permanent traffic signs, retroreflective, non-lit unit, S006, S010, S040, S041, S046, S048, S051, S052, TSM RUS 058 Ref. 0.16 m2 area, 76.1 mm diameter, steel tubular post S275, mounting height 2300 mm and 3200 mm post length, including RS76 retention socket, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	8	no		
8.5	Permanent traffic signs, retroreflective, non-lit unit, S007, S019, S061 TSM modified P051 Ref. 0.372 m2 area, 76.1 mm diameter, steel tubular post S275, mounting height 2300 mm and 3350 mm post length, including RS76 retention socket, DACT-3011-ARP-TSM_RS-DR-ZM-1200-03, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	3	no		
8.6	Permanent traffic signs, retroreflective, non-lit unit, S008 TSM RUS018 Ref. 0.372 m2 area, 76.1 mm diameter, steel tubular post S275, mounting height 2300 mm and 3350 mm post length, including RS76 retention socket, DACT-3011-ARP-TSM_RS-DR-ZM-1200-03, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
8	1200 TRAFFIC SIGNS AND ROAD MARKINGS				
	(Continued)				
8.7	Permanent traffic signs, retroreflective, non-lit unit, S024, TSM RUS 013 Ref. 0.16 m2 area, 76.1 mm diameter, steel tubular post S275, mounting height 3030 mm and 3930 mm post length, including RS76 retention socket, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-01, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.8	Permanent traffic signs, retroreflective, non-lit unit, S026, Ramps (Left) sign, 0.16 m2 area, 76.1 mm diameter, steel tubular post S275, mounting height 2300 mm and 3200 mm post length, including RS76 retention socket, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-04, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.9	Permanent traffic signs, retroreflective, non-lit unit, S027, TSM RUS 017 Ref. 0.16 m2 area, 76.1 mm diameter, steel tubular post S275, mounting height 2300 mm and 3200 mm post length, including RS76 retention socket, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-04, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.10	Permanent traffic signs, retroreflective, non-lit unit, S028, S032, S035, S037, TSM RUS 050 Ref. 0.16 m2 area, 76.1 mm diameter, steel tubular post S275, mounting height 2300 mm and 3200 mm post length, including RS76 retention socket, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-04 and ARP-TSM_RS-DR-ZM-1200-05, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	4	no		
8.11	Permanent traffic signs, retroreflective, non-lit unit, S034, S054, S060, TSM RUS 027 Ref. 0.47 m2 area, 76.1 mm diameter, steel tubular post S275, mounting height 2300 mm and 3500 mm post length, including RS76 retention socket, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-05 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-05, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	3	no		
8.12	Permanent traffic signs, retroreflective, non-lit unit, S039, TSM RUS 058 Ref. 0.16 m2 area, mounted on the same post with S040 (measured above), mounting height 2300mm, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-05, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.13	Permanent traffic signs, retroreflective, non-lit unit, S042, TSM RUS 058 Ref. 0.16 m2 area, mounted on the same post with S041 (measured above), mounting height 2300mm, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-05, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
8	1200 TRAFFIC SIGNS AND ROAD MARKINGS				
	(Continued)				
8.14	Permanent traffic signs, retroreflective, non-lit unit, S079, S080 TSM RUS 001 Ref. 0.16 m2 area, mounted on New Power Base (as per Series 1250 drawings), mounting height 2300mm, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	2	no		
8.15	Permanent traffic signs, retroreflective, non-lit unit, S047, TSM RUS 058 Ref. 0.16 m2 area, mounted on the same post with S046 (measured above), mounting height 2300mm, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.16	Permanent traffic signs, retroreflective, non-lit unit, S072, TSM RUS 058 Ref. 0.16 m2 area, mounted on the same post with S048 (measured above), mounting height 2300mm, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.17	Permanent traffic signs, retroreflective, non-lit unit, S075, TSM RUS 058 Ref. 0.16 m2 area, mounted on the same post with S052 (measured above), mounting height 2300mm, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.18	Permanent traffic signs, retroreflective, non-lit unit, S056, S059 TSM RUS 009 Ref. 0.16 m2 area, 76.1 mm diameter, steel tubular post S275, mounting height 2535 mm and 3435 mm post length, including RS76 retention socket, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	2	no		
8.19	Permanent traffic signs, retroreflective, non-lit unit, S055 TSM RUS 009 Ref. 0.16 m2 area, 76.1 mm diameter, steel tubular post S275, mounting height 2300 mm and 3200 mm post length, including RS76 retention socket, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.20	Permanent traffic signs, retroreflective, non-lit unit, S068 TSM RUS 031 Ref. 0.16 m2 area, 76.1 mm diameter, steel tubular post S275, mounting height 2300 mm and 3510 mm post length, including RS76 retention socket, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.21	Permanent traffic signs, retroreflective, non-lit unit, S083, TSM P010 Ref. 0.083 m2 area, supplementary sign to RUS 009 and mounted on the same post with S056 (measured above), mounting height 2300mm, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
8	1200 TRAFFIC SIGNS AND ROAD MARKINGS				
	(Continued)				
8.22	Permanent traffic signs, retroreflective, non-lit unit, S062, bus stop flag. 0.135 m2 area, 76.1 mm diameter, steel tubular post S275, mounting height 2500 mm and 3510 mm post length, including RS76 retention socket, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-04, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.23	Permanent traffic signs, retroreflective, non-lit unit, S074, TSM RUS 058 Ref. 0.16 m2 area, mounted on the same post with S051 (measured above), mounting height 2300mm, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.24	Permanent traffic signs, retroreflective, non-lit unit, S081, TSM P010 Ref. 0.248 m2 area, supplementary sign to RUS 013 and mounted on the same post with S092 & S093 (measured elsewhere), mounting height 2630mm, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-04, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.25	Permanent traffic signs, retroreflective, non-lit unit, S082, TSM P051 Ref. 0.205 m2 area, supplementary sign to RUS 013 and mounted on the same post with S024 (measured above), mounting height 2300mm, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-04, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.26	Permanent traffic signs, retroreflective, non-lit unit, S086, TSM RUS 058 Ref. 0.16 m2 area, mounted on the same post with S002 (measured above), mounting height 2500mm, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.27	Permanent traffic signs, retroreflective, non-lit unit, S088, TSM RUS 058 Ref. 0.16 m2 area, mounted on the same post with S003(measured above), mounting height 2500mm, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.28	Permanent traffic signs, retroreflective, non-lit unit, S090, TSM RUS 058 Ref. 0.16 m2 area, mounted on the same post with S088(measured above), mounting height 2500mm, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.29	Permanent traffic signs, retroreflective, non-lit unit, S092, TSM RUS 058 Ref. 0.16 m2 area, mounted on the same post with S090(measured above), mounting height 2500mm, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
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8 1200 TRAFFIC SIGNS AND ROAD MARKINGS
(Continued)

8.30	Permanent traffic signs, retroreflective, non-lit unit, S087, TSM P010 Ref. 0.16 m2 area, mounted on the same post with S002(measured above), mounting height 2300mm, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.31	Permanent traffic signs, retroreflective, non-lit unit, S089, TSM P010 Ref. 0.16 m2 area, mounted on the same post with S003(measured above), mounting height 2300mm, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.32	Permanent traffic signs, retroreflective, non-lit unit, S091, TSM P010 Ref. 0.16 m2 area, mounted on the same post with S088(measured above), mounting height 2300mm, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.33	Permanent traffic signs, retroreflective, non-lit unit, S093, TSM P010 Ref. 0.16 m2 area, mounted on the same post with S090(measured above), mounting height 2300mm, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.34	Permanent traffic signs, retroreflective, non-lit unit, S095, TSM P010 Ref. 0.16 m2 area, mounted on the same post with S040(measured above), mounting height 2300mm, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.35	Permanent traffic signs, retroreflective, non-lit unit, S096, TSM P010 Ref. 0.16 m2 area, mounted on the same post with S041(measured above), mounting height 2300mm, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.36	Permanent traffic signs, retroreflective, non-lit unit, S097, TSM P010 Ref. 0.16 m2 area, mounted on the same post with S046(measured above), mounting height 2300mm, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.37	Permanent traffic signs, retroreflective, non-lit unit, S098, TSM P010 Ref. 0.16 m2 area, mounted on the same post with S048(measured above), mounting height 2300mm, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
8	1200 TRAFFIC SIGNS AND ROAD MARKINGS				
	(Continued)				
8.38	Permanent traffic signs, retroreflective, non-lit unit, S099, TSM P010 Ref. 0.16 m2 area, mounted on the same post with S051(measured above), mounting height 2300mm, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.39	Permanent traffic signs, retroreflective, non-lit unit, S100, TSM P010 Ref. 0.16 m2 area, mounted on the same post with S052(measured above), mounting height 2300mm, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.40	Permanent traffic signs, retroreflective, non-lit unit, S101, TSM Ref. W 143 with P005 0.12 m2 area, steel tubular post S275, mounting height 2300 mm and 3200 mm post length, including RS76 retention socket, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to 1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.41	Permanent traffic signs, retroreflective, non-lit unit, S102, TSM Ref. W 143 with P005 0.12 m2 area, steel tubular post S275, mounting height 2300 mm and 3200 mm post length, including RS76 retention socket, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to 1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
	Remove from Store and Re-erect Traffic Signs				
8.42	Remove from store and re-erect traffic signs and post, retroreflective, non-lit unit, S011 S015, S020, S023, S043, S050, existing bus stop flag and post, including RS60 retention socket, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	6	no		
8.43	Remove from store and re-erect traffic signs, retroreflective, non-lit unit, S014, TSM F 403 Ref., mounted same post with S012 (measured above), mounting height 2300mm, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-01, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.44	Remove from store and re-erect traffic signs, retroreflective, non-lit unit, S017, "Welcome to Milltown" sign, mounted on new planter (measured elsewhere), as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-02, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
8	1200 TRAFFIC SIGNS AND ROAD MARKINGS				
	(Continued)				
8.45	Remove from store and re-erect traffic signs and post, retroreflective, non-lit unit, S077, TSM P056 Ref., mounting height 2300 mm, including RS76 retention socket, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.46	Remove from store and re-erect traffic signs, retroreflective, non-lit unit, S076, TSM P056, Ref., mounted on same post with S077(measured above), mounting height 2300 mm, including RS76 retention socket, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.47	Remove from store and re-erect traffic signs, retroreflective, non-lit unit, S085, TSM RUS 043 Ref., mounted on same post with S077(measured above), mounting height 2300 mm, including RS76 retention socket, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.48	Remove from store and re-erect traffic sign and post, retroreflective, non-lit unit, S069, TSM P056 Ref., mounting height 2300 mm, including RS76 retention socket, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.49	Remove from store and re-erect traffic signs, retroreflective, non-lit unit, S013, TSM RUS027 Ref., mounted on a new post, 76.1 mm diameter, steel tubular post S275, mounting height 2300 mm and length 4000 mm, including RS76 retention socket as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no.		
8.50	Remove from store and re-erect traffic signs, retroreflective, non-lit unit, S070, TSM P056 Ref., mounted on same post with S069(measured above), mounting height 2300 mm, including RS76 retention socket, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.51	Remove from store and re-erect traffic signs, retroreflective, non-lit unit, S084, TSM RUS 043 Ref., mounted on same post with S069(measured above), mounting height 2300 mm, including RS76 retention socket, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
8	1200 TRAFFIC SIGNS AND ROAD MARKINGS				
	(Continued)				
8.52	Remove from store and re-erect traffic signs, retroreflective, non-lit unit, S012, TSM F 350 Ref., mounted on a new post, 76.1 mm diameter, steel tubular post S275, mounting height 2300 mm and length 3200 mm, including RS76 retention socket, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-01, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.53	Remove from store and re-erect traffic signs, retroreflective, non-lit unit, S016, Directional Sign, mounted on a new H-Frame cantilevered post, 114 mm diameter, steel tubular post S275, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-02, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	2	no		
8.54	Remove from store and re-erect traffic signs, retroreflective, non-lit unit, S065, Directional Sign, mounted on a new Double Post System, 4800mm length, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-02, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no.		
8.55	Remove from store and re-erect traffic sign and post, retroreflective, non-lit unit, S073, Dundrum Road Sign., mounting on existing post, including RS76 retention socket, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
8.56	Remove from store and re-erect traffic sign and post, retroreflective, non-lit unit, S103, Directional Sign, mounted on new double post system, mounting height 2300mm, post length 4800mm, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1 Table 12.1.1 and in accordance with the Works Requirements	1	no		
	Road Markings				
	<u>Removal of Road Markings</u>				
8.57	Removal of road markings, continuous lines, thermoplastic lines to EN1436, 100mm wide, TSM Ref. RRM 001, white, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-TA-1210-03 and DACT-3011-ARP-TSM_RS-DR-TA-1210-06, App. 12/3, Table 12/3.1 and in accordance with the Works Requirements	70	m		
8.58	Removal of road markings, intermittent lines, thermoplastic lines to EN1436, 100mm wide, TSM Ref. RRM 002B, white, reflectorised, as per drawing DACT-3011-ARP-TSM_RS-DR-TA-1210-06, App. 12/3, Table 12/3.1 and in accordance with the Works Requirements	28	m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
8	1200 TRAFFIC SIGNS AND ROAD MARKINGS				
	(Continued)				
8.59	Removal of road markings, continuous lines, thermoplastic lines to EN1436, 100mm wide, TSM Ref. RRM 008, yellow, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-TA-1210-01, DACT-3011-ARP-TSM_RS-DR-TA-1210-03, DACT-3011-ARP-TSM_RS-DR-TA-1210-06 and DACT-3011-ARP-TSM_RS-DR-TA-1210-07, App. 12/3, Table 12/3.1 and in accordance with the Works Requirements	65	m		
8.60	Removal of road markings, continuous lines, thermoplastic lines to EN1436, 200mm wide, TSM Ref. RRM 017, white, reflectorised, as per drawing DACT-3011-ARP-TSM_RS-DR-TA-1210-03, App. 12/3, Table 12/3.1 and in accordance with the Works Requirements	3	m		
8.61	Removal of road markings, continuous lines, thermoplastic lines to EN1436, 100mm wide, TSM Ref. RRM 030, white, reflectorised, as per drawing DACT-3011-ARP-TSM_RS-DR-TA-1210-06, App. 12/3, Table 12/3.1 and in accordance with the Works Requirements	17	m		
	<u>Road Markings</u>				
8.62	Road markings, symbol, thermoplastic lines to EN1436, bifurcation arrows (left), 800 mm in height, TSM Ref. M 102L, white, reflectorised, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-03, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	1	no		
8.63	Road markings, symbol, thermoplastic lines to EN1436, bifurcation arrows (right), 800 mm in height, TSM Ref. M 102R, white, reflectorised, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	1	no		
8.64	Road markings, symbol, thermoplastic lines to EN1436, "SLOW" worded marking, 1000mm X 700 mm, M 106C, white, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-02 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	5	no		
8.65	Road markings, symbol, thermoplastic lines to EN1436, traffic calming triangle, 1850 mm in height, TSM Ref. M 112, white, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01, DACT-3011-ARP-TSM_RS-DR-ZM-1200-05 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	18	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
8	1200 TRAFFIC SIGNS AND ROAD MARKINGS				
	(Continued)				
8.66	Road markings, symbol,thermoplastic lines to EN1436, "STOP" worded marking, 1600 mm in height, TSM Ref. M 114, white, reflectorised, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-01, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	4	no		
8.67	Road markings, symbol,thermoplastic lines to EN1436, 1875 mm in height, TSM Ref. M 115C, white, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01, DACT-3011-ARP-TSM_RS-DR-ZM-1200-04 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	14	no		
8.68	Road markings, symbol, 1200 mm in height, thermoplastic lines to EN1436, TSM Ref. RRM 036, white, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	68	no		
8.69	Road markings, symbol, 2800 mm in height, thermoplastic lines to EN1436, TSM Ref. M 116, white, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-07, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	4	no		
8.70	Road markings, symbol, thermoplastic lines to EN1436, cycle track direction (left) arrows, 1800 mm in height, TSM Ref. RRM 005C, white, reflectorised, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-03, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	2	no		
8.71	Road markings, symbol, thermoplastic lines to EN1436, cycle track directional arrow, 1800 mm in height, TSM Ref. RRM 004C, white, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-03 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	11	no		
8.72	Road markings, symbol, thermoplastic lines to EN1436, cycle track direction (right) arrows, 1800 mm in height, TSM Ref. RRM 006C, white, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-04 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-05, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	3	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
8	1200 TRAFFIC SIGNS AND ROAD MARKINGS				
	(Continued)				
8.73	Road markings, continuous lines, thermoplastic lines to EN1436, white, 100mm wide, TSM Ref. RRM 001 reflectorised as drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	1,051	m		
8.74	Road markings, intermittent lines, thermoplastic lines to EN1436, white, 100mm wide, 3000mm marks and 3000mm gaps, TSM Ref. RRM 002B reflectorised as drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-07, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	66	m		
8.75	Road markings, intermittent lines, thermoplastic lines to EN1436, white, 100mm wide, 2000mm marks and 2000mm gaps, TSM Ref. RRM 003B reflectorised as drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-07, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	286	m		
8.76	Road markings, symbol, thermoplastic lines to EN1436, direction arrow straight ahead, 3600 mm length, TSM Ref. RRM 004, white, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-07, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	27	no		
8.77	Road markings, symbol, thermoplastic lines to EN1436, direction arrow straight ahead, 3600 mm length, TSM Ref. RRM 005 (turn left), white, reflectorised, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-03, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	1	no		
8.78	Road markings, symbol, thermoplastic lines to EN1436, direction arrow straight ahead, 3600 mm length, TSM Ref. RRM 006 (turn right), white, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-02 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	5	no		
8.79	Road markings, continuous lines, thermoplastic lines to EN1436, yellow, 100mm wide, TSM Ref. RRM 008 reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-07, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	1,616	m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
8	1200 TRAFFIC SIGNS AND ROAD MARKINGS				
	(Continued)				
8.80	Road markings, continuous lines, thermoplastic lines to EN1436, white,100mm wide, TSM Ref. RRM 009 reflectorised, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-03, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	16	m		
8.81	Road markings, intermittent lines, thermoplastic lines to EN1436, white,100mm wide, 450mm mark 450mm gap at 4000mm segments with 2050mm "LOADING" marking, TSM Ref. RRM 009 reflectorised, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-03, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	6	m		
8.82	Road markings, continuous lines, thermoplastic lines to EN1436, white,100mm wide, TSM Ref. RRM 016 reflectorised, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-03, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	95	m		
8.83	Road markings, continuous lines, thermoplastic lines to EN1436, white, 200mm wide, TSM Ref. RRM 017 reflectorised as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-03 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	82	m		
8.84	Road markings, continuous lines, thermoplastic lines to EN1436, white, 100mm wide, TSM Ref. RRM 017C reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-03 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	16	m		
8.85	Road markings, intermittent lines, thermoplastic lines to EN1436,white, 100mm wide, 300 mm marks and 300 mm gaps, TSM Ref. RRM 018C, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.1 and in accordance with the Works Requirements	45	m		
8.86	Road markings, continuous lines, thermoplastic lines to EN1436, yellow box marking, yellow, 100 mm wide, TSM Ref, RRM 020, reflectorised, as drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-03, DACT-3011-ARP-TSM_RS-DR-ZM-1200-05 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	289	m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
8	1200 TRAFFIC SIGNS AND ROAD MARKINGS				
	(Continued)				
8.87	Road markings, continuous lines, thermoplastic lines to EN1436, yellow box marking, yellow, 100 mm wide, TSM Ref, RRM 020 (diagonal), reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-03, DACT-3011-ARP-TSM_RS-DR-ZM-1200-05 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	490	m		
8.88	Road markings, continuous lines, thermoplastic lines to EN1436, white, 200 mm wide, TSM Ref, RRM 021, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	164	m		
8.89	Road markings, continuous line, thermoplastic lines to EN1436, white, 100 mm wide, TSM Ref, RRM 022, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	947	m		
8.90	Road markings, intermittent lines, thermoplastic lines to EN1436, white, 100 mm wide, 750 mm marks and 750 mm gaps, TSM Ref, RRM 023, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	276	m		
8.91	Road markings, continuous line, thermoplastic lines to EN1436, white, 100 mm wide, TSM Ref, M 131, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	300	m		
8.92	Road markings, continuous lines, thermoplastic lines to EN1436, white, 100mm wide, TSM Ref, RRM 030, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01, DACT-3011-ARP-TSM_RS-DR-ZM-1200-02 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-04 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	64	m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
8	1200 TRAFFIC SIGNS AND ROAD MARKINGS (Continued)				
8.93	Road markings, intermittent lines, thermoplastic lines to EN1436, white, 100mm wide, 1000mm mark and 1000mm gap, TSM Ref. RRM 030, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01, DACT-3011-ARP-TSM_RS-DR-ZM-1200-02 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-04 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	94	m		
8.94	Road markings, letters, thermoplastic lines to EN1436, TSM Ref. RRM 030, "BUS" worded markings, RRM 030, white, 1600 mm height, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01, DACT-3011-ARP-TSM_RS-DR-ZM-1200-02 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-04 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	22	no		
8.95	Road markings, continuous lines, thermoplastic lines to EN1436, white, 50mm wide, TSM Ref. RPC 001 reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-04 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	48	m		
8.96	Road markings, intermittent lines, thermoplastic lines to EN1436, TSM Ref. RRM 038, white, 400 mm wide, 400 mm marks and 400 mm gaps, elephant feet marking, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-04 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	176	m		
8.97	Road markings, Shared Street Symbol, thermoplastic lines to EN1436, TSM Ref. M133, reflectorised, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-04 and DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/3, Table 12/3.2 and in accordance with the Works Requirements	4	no.		
	Traffic Signal Poles				
8.98	Traffic signal poles (supplied by DCC), 2m height, installed in RS115 Retention sockets supplied by DCC, as per drawing DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to 06, App. 12/5 and in accordance with the Works Requirements	11	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
8	1200 TRAFFIC SIGNS AND ROAD MARKINGS				
	(Continued)				
8.99	Traffic signal poles (supplied by DCC), 4m height, installed in RS115 Retention sockets supplied by DCC, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to 06, App. 12/5 and in accordance with the Works Requirements	31	no		
8.100	Traffic signal poles (supplied by DCC), 4m height, installed in RS168 Retention sockets supplied by DCC, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to 06, App. 12/5 and in accordance with the Works Requirements	2	no		
8.101	Traffic signal poles (supplied by DCC), 6m height, installed in RS115 Retention socket supplied by DCC, as per drawing DACT-3011-ARP-TSM_SJ-DR-TA-1250-03, App. 12/5 and in accordance with the Works Requirements	1	no		
8.102	Traffic signal poles (supplied by DCC), 6m height, installed in RS168 Retention socket supplied by DCC, as per drawing DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, App. 12/5 and in accordance with the Works Requirements	1	no		
	Permanent Bollards				
8.103	Permanent bollards, non-illuminated, non-flexible, 1300mm height, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1, App. 12/2 and in accordance with the Works Requirements	5	no		
8.104	Permanent bollards, non-illuminated, flexible, 1300mm height, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1, App. 12/2 and in accordance with the Works Requirements	7	no		
8.105	Permanent bollards, Reflective, flexible, keep left bollard, 930mm height, as per drawings DACT-3011-ARP-TSM_RS-DR-ZM-1200-01 to DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, App. 12/1, App. 12/2 and in accordance with the Works Requirements	7	no		
8.106	Permanent bollards, Reflective, flexible, transilluminated keep left bollard, mounted on new power base, height 1046mm, width 398mm, depth 200mm, sign face 300mm diameter, as per drawing DACT-3011-ARP-TSM_RS-DR-ZM-1200-06, DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, App. 12/1, App. 12/2 and in accordance with the Works Requirements	2	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
8	1200 TRAFFIC SIGNS AND ROAD MARKINGS (Continued)				
	Retention Sockets for Future Use				
8.107	Retention Socket for future use (install only, provided by DCC), RS115, as per drawing no. DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to DACT-3011-ARP-TSM_SJ-DR-TA-1250-07, App. 12/5 and in accordance with the Works Requirements	12	no		
	Foundations and Bases for Traffic Signal Controller Cabinet				
8.108	Foundations for Traffic Signal Controller Cabinets, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01, DACT-3011-ARP-TSM_SJ-DR-TA-1250-03, DACT-3011-ARP-TSM_SJ-DR-TA-1250-05 and DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, Appendix 5/2 & 12/5 and in accordance with the Works Requirements	6	no		
8.109	Traffic signal controller cabinet base (install only), 365x820x400mm, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01, DACT-3011-ARP-TSM_SJ-DR-TA-1250-03, DACT-3011-ARP-TSM_SJ-DR-TA-1250-05 and DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, Appendix 5/2 & 12/5 and in accordance with the Works Requirements	6	no		
	1200 TRAFFIC SIGNS AND ROAD MARKINGS				

To Collection

Ref	Description	QTY	UOM	Rate	Total
8	1200 TRAFFIC SIGNS AND ROAD MARKINGS (Continued)				
	COLLECTION Page 91: Page 92: Page 93: Page 94: Page 95: Page 96: Page 97: Page 98: Page 99: Page 100: Page 101: Page 102: Page 103: Page 104: Page 105: Page 106: 1200 TRAFFIC SIGNS AND ROAD MARKINGS Carried to Summary:				

Ref	Description	QTY	UOM	Rate	Total
9	1300 ROAD LIGHTING COLUMNS AND BRACKETS				
	Road Lighting Columns, Brackets and Wall Mountings				
9.1	Column with Planted Root 10m octagonal, Outreach Including Bracket 1.3m, New Urbis Schreder Axis 3.3 LED luminaire or approved equivalent, Post Mounted, as per drawings DACT-3011-ARP-LHT_RL-DR-LI-1300-01 to DACT-3011-ARP-LHT_RL-DR-LI-1300-06, App. 13 and in accordance with the Works Requirements	11	no		
9.2	Column with Planted Root 10m octagonal, Outreach Including Bracket 1.3m, New Urbis Schreder Axis 3.3 LED luminaire or approved equivalent, Post Mounted, (install only) columns, brackets and luminaires furnished by DCC, as per drawings DACT-3011-ARP-LHT_RL-DR-LI-1300-01 to DACT-3011-ARP-LHT_RL-DR-LI-1300-06, App. 1/16, App. 13 and in accordance with the Works Requirements	10	no		
9.3	Column with Planted Root 10m octagonal, Outreach Including Bracket 1.3m, double door ESB interface column, New Urbis Schreder Axis 3.3 LED luminaire or approved equivalent Post Mounted, as per drawings DACT-3011-ARP-LHT_RL-DR-LI-1300-01 to DACT-3011-ARP-LHT_RL-DR-LI-1300-03, App. 13 and in accordance with the Works Requirements	4	no		
9.4	New Luminaire Mounted On Existing Columns, 2m bracket height with 1.3m outreach, Urbis Schreder Axis 2.1 LED luminaire or approved equivalent, as per drawings DACT-3011-ARP-LHT_RL-DR-LI-1300-01 to DACT-3011-ARP-LHT_RL-DR-LI-1300-06, App. 13 and in accordance with the Works Requirements	39	no		
9.5	New Luminaire Mounted On Existing Columns, on 8m pole height with 0.5m outreach, Urbis Schreder Axis 2.1 LED luminaire or approved equivalent, as per drawings DACT-3011-ARP-LHT_RL-DR-LI-1300-01 and DACT-3011-ARP-LHT_RL-DR-LI-1300-07, App. 13 and in accordance with the Works Requirements	6	no		
	1300 ROAD LIGHTING COLUMNS AND BRACKETS				

To Collection

Ref	Description	QTY	UOM	Rate	Total
9	1300 ROAD LIGHTING COLUMNS AND BRACKETS (Continued)				
	COLLECTION Page 108: 1300 ROAD LIGHTING COLUMNS AND BRACKETS Carried to Summary:				

Ref	Description	QTY	UOM	Rate	Total
10	1400 ELECTRICAL WORK FOR ROAD LIGHTING AND TRAFFIC SIGNS				
	Cabling				
	<u>Public Lighting</u>				
10.1	Cable, public lighting 3c X 6mm ² , PVC/SWA/PVC, in carriageways, footways and bridge decks and paved areas as per drawings DACT-3011-ARP-LHT_RL-DR-LI-1300-01 to DACT-3011-ARP-LHT_RL-DR-LI-1300-06, App. 14 and in accordance with the Works Requirements	1,234	m		
10.2	Cable, public lighting 3c X 10mm ² , CULXPE/LSZH/SWA, in carriageways, footways and bridge decks and paved areas, as per drawings DACT-3011-ARP-LHT_RL-DR-LI-1300-01 to DACT-3011-ARP-LHT_RL-DR-LI-1300-06, App. 14 and in accordance with the Works Requirements	44	m		
	Cable Joints and Terminations				
10.3	Cable termination, 3c x 10mm ² , Public lighting cable at pillars, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, App. 14/13 and in accordance with the Works Requirements	15	no		
10.4	Cable termination, 3c x 6mm ² , Public lighting cable at lighting columns, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01 to DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, App. 14/13 and in accordance with the Works Requirements	25	no		
	Feeder Pillars				
10.5	Mini Pillars, Public lighting pillar, as per drawing DACT-3011-ARP-LHT_RL-DR-LI-1300-01 to DACT-3011-ARP-LHT_RL-DR-LI-1300-06 , App. 14/11 and in accordance with the Works Requirements	4	no		
10.6	Bus Shelter Mini Pillar, three phase Bus Shelter, as per drawings DACT-3011-ARP-TSM_UE-DR-UT-0540-05 and DACT-3011-ARP-TSM_UE-DR-UT-0540-06, App. 14/11 and in accordance with the Works Requirements	3	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
10	1400 ELECTRICAL WORK FOR ROAD LIGHTING AND TRAFFIC SIGNS (Continued)				
10.7	Micro Pillars (Install Only), as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01, DACT-3011-ARP-TSM_SJ-DR-TA-1250-03, DACT-3011-ARP-TSM_SJ-DR-TA-1250-05 and DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, App. 12/5, App. 14/11 and in accordance with the Works Requirements Earth Electrodes	6	no		
10.8	Earth electrodes of Micro Pillar (Install Only), pillars will be supplied by the client, copper-coated or hot dip galvanised steel rod of minimum 12mm diameter and 1200mm long, as per drawings DACT-3011-ARP-TSM_SJ-DR-TA-1250-01, DACT-3011-ARP-TSM_SJ-DR-TA-1250-03, DACT-3011-ARP-TSM_SJ-DR-TA-1250-05 and DACT-3011-ARP-TSM_SJ-DR-TA-1250-06, App. 12/5 & 14/22, App.14/11 and in accordance with the Works Requirements	6	no		
10.9	Earth electrodes of Bus Shelter mini pillars (install only), copper-coated or hot dip galvanised steel rod of minimum 12mm diameter and 1200mm long, as per drawings DACT-3011-ARP-TSM_UE-DR-UT-0540-01 to 07, App. 14/11 and in accordance with the Works Requirements	3	no		
10.10	Earth electrodes of Public lighting Midi pillar, copper-coated or hot dip galvanised steel rod of minimum 12mm diameter and 1200mm long, as per drawings DACT-3011-ARP-LHT_RL-DR-LI-1300-01 to DACT-3011-ARP-LHT_RL-DR-LI-1300-03 and DACT-3011-ARP-LHT_RL-DR-LI-1300-06, App. 14/11 & 14/22 and in accordance with the Works Requirements Remove from Store and Re-erect Feeder Pillars	4	no		
10.11	Remove from Store and re-erect pillars, bus shelter pillars, as per drawings DACT-3011-ARP-TSM_UE-DR-UT-0540-01 to DACT-3011-ARP-TSM_UE-DR-UT-0540-06, App. 14 and in accordance with the Works Requirements Modifications to Existing Pillars	3	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
10	1400 ELECTRICAL WORK FOR ROAD LIGHTING AND TRAFFIC SIGNS (Continued)				
10.12	Modification to existing public lighting midi pillars, as per drawing no. DACT-3011-ARP-LHT_RL-DR-LI-1300-01 to DACT-3011-ARP-LHT_RL-DR-LI-1300-12, App. 14 and in accordance with the Works Requirements 1400 ELECTRICAL WORK FOR ROAD LIGHTING AND TRAFFIC SIGNS	3	no.		

To Collection

Ref	Description	QTY	UOM	Rate	Total
10	1400 ELECTRICAL WORK FOR ROAD LIGHTING AND TRAFFIC SIGNS (Continued)				
	COLLECTION Page 110: Page 111: Page 112: 1400 ELECTRICAL WORK FOR ROAD LIGHTING AND TRAFFIC SIGNS Carried to Summary:				

Ref	Description	QTY	UOM	Rate	Total
11	1700 STRUCTURAL CONCRETE				
	In-situ Concrete				
	<u>Concrete Foundations for Bus Shelters, detail 05</u>				
11.1	In situ concrete, 3 bay bus shelter foundation, Grade C25 Concrete, as per drawings DACT-3011-ARP-TSM_UE-DR-UT-0540-01, DACT-3011-ARP-TSM_UE-DR-UT-0540-02, DACT-3011-ARP-TSM_UE-DR-UT-0540-05 and DACT-3011-ARP-TSM_UE-DR-UT-0540-06, detail drawings in Bus Shelter Info Pack_Urban_Bauer Media Outdoor and DACT-3011-ARP-STR_SD-DR-ZZ-4000, Appendix 26/4 and in accordance with the Works Requirements	3	m3		
	<u>Concrete Foundations for Bus Shelters, detail 06</u>				
11.2	In situ concrete, 3 bay bus shelter foundation, Grade C25 Concrete, as per drawings DACT-3011-ARP-TSM_UE-DR-UT-0540-01, DACT-3011-ARP-TSM_UE-DR-UT-0540-02, DACT-3011-ARP-TSM_UE-DR-UT-0540-05 and DACT-3011-ARP-TSM_UE-DR-UT-0540-06, detail drawings in Bus Shelter Info Pack_Urban_Bauer Media Outdoor and DACT-3011-ARP-STR_SD-DR-ZZ-4000, Appendix 26/4 and in accordance with the Works Requirements	5	m3		
	<u>Reinforced Concrete Cover to Manhole MH2</u>				
11.3	In-situ concrete, grade C30/37, as per drawing DACT-3011-ARP-STR_SD-DR-DR-0560-02, App. 5 and in accordance with the Works Requirements	2	m3		
	Precast Concrete				
	<u>Reduced Cover Protection Slab for Existing Watermains</u>				
11.4	Precast concrete slabs for reduction cover protection to existing watermains, reinforced concrete including 2 no. 1 tonne lifting anchors, 150mm thickness, width 1750mm, length 1075mm, as per drawings DACT-3011-ARP-UTL_UW-DR-UT-2700-01 to DACT-3011-ARP-UTL_UW-DR-UT-2700-07, detail on drawing IW-STD-13, App. 27/1 and in accordance with the Works Requirements	58	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
11	1700 STRUCTURAL CONCRETE (Continued)				
	Steel Reinforcement for Structures				
	<u>Reinforcement to Concrete Foundations for Bus Shelters, detail 05</u>				
11.5	Fabric reinforcement, A393 mesh to BS 4483, as per drawings DACT-3011-ARP-TSM_UE-DR-UT-0540-01, DACT-3011-ARP-TSM_UE-DR-UT-0540-02, DACT-3011-ARP-TSM_UE-DR-UT-0540-05 and DACT-3011-ARP-TSM_UE-DR-UT-0540-06, detail drawings in Bus Shelter Info Pack_Urban_Bauer Media Outdoor and DACT-3011-ARP-STR_SD-DR-ZZ-4000, Appendix 26/4 and in accordance with the Works Requirements	26	m2		
	<u>Steel Reinforcement for Manhole MH2 Cover</u>				
11.6	Bar reinforcement, nominal size 16m millimeters and under, B12, grade B500 500N/mm2 strength, bars not exceeding 12 metres in length, as per drawing DACT-3011-ARP-STR_SD-DR-DR-0560-02, App. 5 and in accordance with the Works Requirements	0.178	tonne s		
	1700 STRUCTURAL CONCRETE				

To Collection

Ref	Description	QTY	UOM	Rate	Total
11	1700 STRUCTURAL CONCRETE (Continued)				
	COLLECTION Page114: Page 115: 1700 STRUCTURAL CONCRETE Carried to Summary:				

12	1800 STRUCTURAL STEELWORK				
	Miscellaneous Steelwork				
12.1	Miscellaneous metalwork, metal edge to resurfacing near existing trees, galvanizing standard EN ISO 1461 : 2009, Steel size 12 x 300mm MS flat finish; galvanized - corrosion category C4, fixing support; 50x500mm MS equal angle thickness 8mm metal edge full weld to support, finish galvanized - corrosion category C4, length of metal edge as indicated on detail dwg no DACT-3011-ARP-STR_SD-DR-CI-1160-12, locations on dwg no DACT-3011-ARP-PAV_HS-DR-CI-1100-03, in accordance with the Works Requirements	5	no		
	1800 STRUCTURAL STEELWORK				

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Ref	Description	QTY	UOM	Rate	Total
12	1800 STRUCTURAL STEELWORK (Continued)				
	COLLECTION Page 117: 1800 STRUCTURAL STEELWORK Carried to Summary:				

Ref	Description	QTY	UOM	Rate	Total
13	2000 WATERPROOFING OF STRUCTURES				
	Waterproofing				
	<u>Waterproofing Membrane to Planters</u>				
13.1	Waterproofing, two coats of liquid applied bituminous membrane waterproofing, horizontal more than 300mm wide, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01 and DACT-3011-ARP-GEO_LA-DR-LA-3000-02, as per detail drawing DACT-3011-ARP-GEO_LA-DR-LA-3010-02 detail 03, 298284-11-3000-Landscape Specification and in accordance with the Works Requirements	120	m2		
	<u>Waterproofing Membrane to Milltown Bridge</u>				
13.2	Waterproofing, two coats of liquid applied bituminous membrane waterproofing, horizontal more than 300mm wide, to topside of Milltown bridge, underneath pavement layers, as per drawing DACT-3011-ARP-STR_RW-DR-ST-0610-06, App. 20/1, App. 31/1, App. 6/12 and in accordance with the Works Requirements	300	m2		
	2000 WATERPROOFING OF STRUCTURES				

To Collection

Ref	Description	QTY	UOM	Rate	Total
13	2000 WATERPROOFING OF STRUCTURES (Continued)				
	COLLECTION Page 119: 2000 WATERPROOFING OF STRUCTURES Carried to Summary:				

Ref	Description	QTY	UOM	Rate	Total
14	2400 BRICKWORK, BLOCKWORK AND STONEWORK				
	Blockwork and Stonework				
	<u>Blockwork at Section C-C, D-D and Raised Planter</u>				
14.1	Blockwork, Blockwork wall, 440mm height, 215mm x 100mm, 20kg, solid blockwork (S20), with min compressive strength of 7.5N/mm2, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01 and DACT-3011-ARP-GEO_LA-DR-LA-3000-02, as per detail drawing DACT-3011-ARP-GEO_LA-DR-LA-3010-02 detail 03, App 24/1, 298284-11-3000-Landscape Specification and in accordance with the Works Requirements	17	m3		
	<u>Capping to Walls at Section C-C, D-D and Raised Planter</u>				
14.2	Stonework, limestone capping on stonewall, bushhammered finish, 350mm wide, thickness 80mm, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01 and DACT-3011-ARP-GEO_LA-DR-LA-3000-02, as per detail drawing DACT-3011-ARP-GEO_LA-DR-LA-3010-02 detail 03, App 24/1 and in accordance with the Works Requirements	98	m		
	<u>Limestone Course to Blockwork Wall at Section C-C, D-D and Raised Planter</u>				
14.3	Stonework, random rubble limestone veneer clad face, limestone face to be rough cut Type S mortar joints, width 90-120mm, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01 and DACT-3011-ARP-GEO_LA-DR-LA-3000-02, as per detail drawing DACT-3011-ARP-GEO_LA-DR-LA-3010-02 detail 03, App 24/1 and in accordance with the Works Requirements	5	m3		
	2400 BRICKWORK, BLOCKWORK AND STONEWORK				

To Collection

Ref	Description	QTY	UOM	Rate	Total
14	2400 BRICKWORK, BLOCKWORK AND STONework (Continued)				
	COLLECTION Page 121: 2400 BRICKWORK, BLOCKWORK AND STONework Carried to Summary:				

Ref	Description	QTY	UOM	Rate	Total
15	2700 WATERMAINS, UTILITIES AND ACCOMMODATION WORKS				
	Watermains				
15.1	Watermains, 300mm internal diameter, cement mortar lined ductile iron pipe to BD EN 545:2010, bed and surround in accordance with WIS 4-08-02 and IGN 4-08-01 granular material shall be 14mm to 5mm graded aggregate or 10mm single sized aggregate to IS EN 13242, depths not exceeding 2 metres, average depth to invert 1300mm, Construction in trench, as per drawings DACT-3011-ARP-UTL_UW-DR-UT-2700-01 and DACT-3011-ARP-UTL_UW-DR-UT-2700-02, and in accordance with the Works Requirements	138	m		
15.2	Adjustment on the above item for variation greater than 150mm above or below the average depth stated per 25mm of variation in excess of 150mm		m		
15.3	Watermains, 300mm internal diameter, cement mortar lined ductile iron pipe to BD EN 545:2010, bed and surround in accordance with WIS 4-08-02 and IGN 4-08-01 granular material shall be 14mm to 5mm graded aggregate or 10mm single sized aggregate to IS EN 13242, depths not exceeding 2 metres, average depth to invert 1775mm, Construction in trench, as per drawing DACT-3011-ARP-UTL_UW-DR-UT-2700-02, App. 27/1 and in accordance with the Works Requirements	12	m		
15.4	Adjustment on the above item for variation greater than 150mm above or below the average depth stated per 25mm of variation in excess of 150mm		m		
15.5	Watermains, 20mm internal diameter, PE pipe, bed and surround in accordance with WIS 4-08-02 and IGN 4-08-01 granular material shall be 14mm to 5mm graded aggregate or 10mm single sized aggregate to IS EN 13242, depths not exceeding 2 metres, average depth to invert 1250mm, Construction in trench, as per drawing DACT-3011-ARP-UTL_UW-DR-UT-2700-01, detail on drawing no. IW-STD-W-03, App. 27/1 and in accordance with the Works Requirements	10	m		
15.6	Adjustment on the above item for variation greater than 150mm above or below the average depth stated per 25mm of variation in excess of 150mm		m		
15.7	Watermains, 80mm internal diameter, Plain Ended Pipe, depths not exceeding 2 metres, bed and surround in accordance with WIS 4-08-02 and IGN 4-08-01 granular material shall be 14mm to 5mm graded aggregate or 10mm single sized aggregate to IS EN 13242, average depth to invert 1300m, Construction in trench, as per drawing DACT-3011-ARP-UTL_UW-DR-UT-2700-01 in accordance with the Works Requirements	2	m		
15.8	Adjustment on the above item for variation greater than 150mm above or below the average depth stated per 25mm of variation in excess of 150mm		m		

To Collection

Ref	Description	QTY	UOM	Rate	Total
15	2700 WATERMAINS, UTILITIES AND ACCOMMODATION WORKS (Continued)				
	Connections				
15.9	Connections, connection to existing watermain, 300mm internal diameter new watermain to 300mm internal diameter existing, ductile iron pipe, depth to invert not exceeding 2 meters, as per drawing DACT-3011-ARP-UTL UW-DR-UT-2700-01, IW-STD-W-04, App. 27/1 and in accordance with the Works Requirements	1	no		
15.10	Connections, connection to existing watermain, 300mm internal diameter new watermain to 300mm internal diameter existing, ductile iron pipe, depth to invert not exceeding 2 meters, as per drawing DACT-3011-ARP-UTL UW-DR-UT-2700-01, IW-STD-W-05, App. 27/1 and in accordance with the Works Requirements	1	no		
15.11	Connections, connection to existing watermain, 20mm internal diameter new PE watermain to existing 300mm internal diameter ductile iron pipe, depth to invert not exceeding 2 metres, as per drawing DACT-3011-ARP-UTL UW-DR-UT-2700-01, deetail on drawing IW-STD-W-03, App. 27/1 and in accordance with the Works Requirements	1	no		
	Pipe Fittings				
	<u>Watermain fittings</u>				
15.12	Fittings, 22.5 degree bends, nominal bore 200-300mm, as per detail IW-STD-W-14, App. 27/1 and in accordance with the Works Requirements	8	no		
15.13	Fittings, 45 degree bends, nominal bore 200-300mm, as per detail IW-STD-W-14, App. 27/1 and in accordance with the Works Requirements	2	no		
	<u>Sluice valve fittings</u>				
15.14	Fittings, adaptors, dismantling joint, nominal bore 200-300mm, as per detail IW-STD-W-14, App. 27/1 and in accordance with the Works Requirements	2	no		
15.15	Fittings, straight specials, flanged spool pipe, nominal bore 200-300mm, as per detail IW-STD-W-14, App. 27/1 and in accordance with the Works Requirements	4	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
15	2700 WATERMAINS, UTILITIES AND ACCOMMODATION WORKS (Continued)				
	Valves and Penstocks				
15.16	Cast Iron Sluice Valve, nominal bore 200mm - 300mm, 100mm diameter clear opening 200mm deep, as per drawings DACT-3011-ARP-UTL_UW-DR-UT-2700-01 and DACT-3011-ARP-UTL_UW-DR-UT-2700-02, App. 27/1 and in accordance with the Works Requirements	4	no		
15.17	Cast Iron Fire Hydrant, nominal bore 200mm - 300mm, 450mm x 225mm x 150mm deep with cover to be perforated, as per drawings DACT-3011-ARP-UTL_UW-DR-UT-2700-01 and DACT-3011-ARP-UTL_UW-DR-UT-2700-02, App. 27/1 and in accordance with the Works Requirements	1	no		
	Chambers				
15.18	Sluice valve chambers, depths exceeding 1 metre but not exceeding 2 metres, brickwork construction, as per drawings DACT-3011-ARP-UTL_UW-2700-01 to DACT-3011-ARP-UTL_UW-2700-02, detail as per IW-STD-W-14, App. 27/1 and in accordance with the Works Requirements	2	no		
15.19	Fire hydrant chambers, depths exceeding 1 metre but not exceeding 2 metres, brickwork construction, as per drawings DACT-3011-ARP-UTL_UW-2700-01 to DACT-3011-ARP-UTL_UW-2700-02, detail as per IW-STD-W-17, App. 27/1 and in accordance with the Works Requirements	1	no		
	Thrust Blocks				
15.20	Thrust blocks, Volume: 0.2 – 0.5m ³ , as per drawing DACT-3011-ARP-UTL_UW-DR-UT-2700-02, detail on drawing IW-STD-W-28, Appendix 27/1 and in accordance with the Works Requirements	10	no		
15.21	Thrust blocks, Concrete anti-torque support for sluice valves, Volume 0.2 - 0.5m ³ , as per detail IW-STD-W-14, App. 27/1 and in accordance with the Works Requirements	3	no		
	Marker Posts				

To Collection

To Collection

Ref	Description	QTY	UOM	Rate	Total
15	2700 WATERMAINS, UTILITIES AND ACCOMMODATION WORKS (Continued)				
	COLLECTION Page 123: Page 124: Page 125: Page 126: 2700 WATERMAINS, UTILITIES AND ACCOMMODATION WORKS Carried to Summary:				

Ref	Description	QTY	UOM	Rate	Total
16	2900 CCTV SURVEY & CLEANING OF ROAD DRAINAGE SYSTEMS				
	CCTV Survey & Cleaning of Road Drainage Systems				
16.1	Site Establishment	1	item		
16.2	Setting up survey points, proposed gully connections, setting up on verge not exceeding 3m from carriageway edge, as per App. 29/1 and in accordance with the Works Requirements	115	no		
16.3	Setting up survey points, existing gully connections, setting up on verge not exceeding 3m from carriageway edge, as per App. 29/1 and in accordance with the Works Requirements	35	no		
16.4	Setting up survey points, proposed drainage, setting up on pavement, as per App. 29/1 and in accordance with the Works Requirements	4	no		
16.5	Setting up survey points, proposed drainage, setting up on verge not exceeding 3m from carriageway edge, as per App. 29/1 and in accordance with the Works Requirements	27	no		
16.6	Setting up survey points, existing drainage, setting up on pavement, as per App. 29/1 and in accordance with the Works Requirements	20	no		
16.7	Setting up survey points, existing drainage, setting up on verge not exceeding 3m from carriageway edge, as per App. 29/1 and in accordance with the Works Requirements	6	no		
16.8	Provision of report	1	item		
16.9	Surveying of proposed drainage, depth to invert not exceeding 6 metres, diameters exceeding 125mm but not exceeding 475mm, as per App. 29/1 and in accordance with the Works Requirements	633	m		
16.10	Surveying of proposed gully connections, depth to invert not exceeding 6 metres, diameters exceeding 125mm but not exceeding 475mm, as per App. 29/1 and in accordance with the Works Requirements	368	m		
16.11	Surveying of existing surface water drains, depth to invert not exceeding 6 metres, diameters exceeding 125mm but not exceeding 475mm, as per App. 29/1 and in accordance with the Works Requirements	1,412	m		

To Collection

To Collection

Ref	Description	QTY	UOM	Rate	Total
16	2900 CCTV SURVEY & CLEANING OF ROAD DRAINAGE SYSTEMS (Continued)				
	COLLECTION Page128: Page 129: 2900 CCTV SURVEY & CLEANING OF ROAD DRAINAGE SYSTEMS Carried to Summary:				

Ref	Description	QTY	UOM	Rate	Total
17	3000 LANDSCAPE AND ECOLOGY				
	Planting				
	<u>Trees</u>				
17.1	Tree, Erman's Birch, 'Be', 20-25cm girth, standard height, In pits, Surfaces sloping at 10° or less to the horizontal, including 100mm uPVC irrigation pipework, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01 and DACT-3011-ARP-GEO_LA-DR-LA-3000-02, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	5	no		
17.2	Tree, Golden Fastigate Beech, 'Fs', 20-25cm girth, standard height, In pits, Surfaces sloping at 10° or less to the horizontal, including 100mm uPVC irrigation pipework, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-04, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	3	no		
17.3	Tree, Field Maple, 'Ac', 20-25cm girth, standard height, In pits, Surfaces sloping at 10° or less to the horizontal, including 100mm uPVC irrigation pipework, as per drawing DACT-3011-ARP-GEO_LA-DR-LA-3000-06, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	3	no		
	<u>Shrubs</u>				
	<u>Planting Mix 1</u>				
17.4	Shrubs, Bugle, 2L full pot, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01, DACT-3011-ARP-GEO_LA-DR-LA-3000-02 and DACT-3011-ARP-GEO_LA-DR-LA-3000-06, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	151	no		
17.5	Shrubs, Hard Fern, 3L full pot, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01, DACT-3011-ARP-GEO_LA-DR-LA-3000-02 and DACT-3011-ARP-GEO_LA-DR-LA-3000-06, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	126	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
17	3000 LANDSCAPE AND ECOLOGY				
	(Continued)				
17.6	Shrubs, Montbretia 'Lucifer', 2L full pot, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01, DACT-3011-ARP-GEO_LA-DR-LA-3000-02 and DACT-3011-ARP-GEO_LA-DR-LA-3000-06, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	227	no		
17.7	Shrubs, Male Fern, 2L full pot, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01, DACT-3011-ARP-GEO_LA-DR-LA-3000-02 and DACT-3011-ARP-GEO_LA-DR-LA-3000-06, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	63	no		
17.8	Shrubs, Lavender, 2L full pot, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01, DACT-3011-ARP-GEO_LA-DR-LA-3000-02 and DACT-3011-ARP-GEO_LA-DR-LA-3000-06, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	63	no		
17.9	Shrubs, Snowy Woodrush, 3L full pot, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01, DACT-3011-ARP-GEO_LA-DR-LA-3000-02 and DACT-3011-ARP-GEO_LA-DR-LA-3000-06, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	189	no		
17.10	Shrubs, Rosemary, 3L full pot, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01, DACT-3011-ARP-GEO_LA-DR-LA-3000-02 and DACT-3011-ARP-GEO_LA-DR-LA-3000-06, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	101	no		
17.11	Shrubs, Showy Stonecrop, 3L full pot, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01, DACT-3011-ARP-GEO_LA-DR-LA-3000-02 and DACT-3011-ARP-GEO_LA-DR-LA-3000-06, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	126	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
17	3000 LANDSCAPE AND ECOLOGY				
	(Continued)				
17.12	Shrubs, European feather grass, 3L full pot, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01, DACT-3011-ARP-GEO_LA-DR-LA-3000-02 and DACT-3011-ARP-GEO_LA-DR-LA-3000-06, 298284-11_Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	126	no		
17.13	Shrubs, Argentinian vervain, 2L full pot, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01, DACT-3011-ARP-GEO_LA-DR-LA-3000-02 and DACT-3011-ARP-GEO_LA-DR-LA-3000-06, 298284-11_Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	151	no		
	<u>Planting Mix 2</u>				
17.14	Shrubs, Bigroot Geranium, 2L full pot, Surfaces sloping at 10° or less to the horizontal, as per drawing DACT-3011-ARP-GEO_LA-DR-LA-3000-02, 298284-11_Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	104	no		
17.15	Shrubs, Catmint, 2L full pot, Surfaces sloping at 10° or less to the horizontal, as per drawing DACT-3011-ARP-GEO_LA-DR-LA-3000-02, 298284-11_Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	87	no		
17.16	Shrubs, Elephant's Ears, 2L full pot, Surfaces sloping at 10° or less to the horizontal, as per drawing DACT-3011-ARP-GEO_LA-DR-LA-3000-02, 298284-11_Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	42	no		
17.17	Shrubs, Coral Bells, 2L full pot, Surfaces sloping at 10° or less to the horizontal, as per drawing DACT-3011-ARP-GEO_LA-DR-LA-3000-02, 298284-11_Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	42	no		
17.18	Shrubs, New Zealand Iris (compact), 2L full pot, Surfaces sloping at 10° or less to the horizontal, as per drawing DACT-3011-ARP-GEO_LA-DR-LA-3000-02, 298284-11_Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	28	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
17	3000 LANDSCAPE AND ECOLOGY				
	(Continued)				
17.19	Shrubs, Balkan Clary, 2L full pot, Surfaces sloping at 10° or less to the horizontal, as per drawing DACT-3011-ARP-GEO_LA-DR-LA-3000-02, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	28	no		
17.20	Shrubs, Hebe, 15-25L full pot, Surfaces sloping at 10° or less to the horizontal, as per drawing DACT-3011-ARP-GEO_LA-DR-LA-3000-02, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	11	no		
	<u>Planting Mix 3</u>				
17.21	Shrubs, Cliff rose, 9cm size, Surfaces sloping at 10° or less to the horizontal, as per drawing DACT-3011-ARP-GEO_LA-DR-LA-3000-06, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	32	no		
17.22	Shrubs, Tufted Hair Grass, 9cm size, Surfaces sloping at 10° or less to the horizontal, as per drawing DACT-3011-ARP-GEO_LA-DR-LA-3000-06, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	65	no		
17.23	Shrubs, Gaura, 9cm size, Surfaces sloping at 10° or less to the horizontal, as per drawing DACT-3011-ARP-GEO_LA-DR-LA-3000-06, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	32	no		
17.24	Shrubs, Snow Rush, 9cm size, Surfaces sloping at 10° or less to the horizontal, as per drawing DACT-3011-ARP-GEO_LA-DR-LA-3000-06, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	65	no		
17.25	Shrubs, Coneflower, 9cm size, Surfaces sloping at 10° or less to the horizontal, as per drawing DACT-3011-ARP-GEO_LA-DR-LA-3000-06, 298284-11 Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	65	no		

To Collection

Ref	Description	QTY	UOM	Rate	Total
17	3000 LANDSCAPE AND ECOLOGY (Continued)				
17.26	Shrubs, Wood sage 'Mainacht', 9cm size, Surfaces sloping at 10° or less to the horizontal, as per drawing DACT-3011-ARP-GEO_LA-DR-LA-3000-06, 298284-11_Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements Mulching	65	no		
17.27	Organic mulching, fine bark mulch, 80mm thickness, Surfaces sloping at 10° or less to the horizontal, as per drawings DACT-3011-ARP-GEO_LA-DR-LA-3000-01, DACT-3011-ARP-GEO_LA-DR-LA-3000-02, and DACT-3011-ARP-GEO_LA-DR-LA-3000-06, as per detail drawing DACT-3011-ARP-GEO_LA-DR-LA-3010-02, 298284-11_Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	322	m2		
17.28	Organic mulching, well-graded, tumbled or naturally rounded, clean inert stone mulch with no fines, 50mm thickness, Surfaces sloping at 10° or less to the horizontal, as per drawing DACT-3011-ARP-GEO_LA-DR-LA-3000-06, as per detail drawing DACT-3011-ARP-GEO_LA-DR-LA-3010-03, 298284-11_Planting Schedule, DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements Landscape Maintenance	54	m2		
17.29	Landscape maintenance, during the construction period, as per Q35 of DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	1	item		
17.30	Landscape maintenance, (excluding trees), 24 months post practical completion, as per Q35 of DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements	1	item		
17.31	Landscape maintenance, for trees, 36 months post practical completion, as per Q35 of DACT_3011-ARP-PMG_PS-SP-LA-0001-Landscape Specification and in accordance with the Works Requirements 3000 LANDSCAPE AND ECOLOGY	1	item		
To Collection					

Ref	Description	QTY	UOM	Rate	Total
17	3000 LANDSCAPE AND ECOLOGY (Continued)				
	COLLECTION Page 131: Page 132: Page 133: Page 134: Page 135: 3000 LANDSCAPE AND ECOLOGY Carried to Summary:				
	Report Summary				

Ref	Description	QTY	UOM	Rate	Total
	COLLECTION SUMMARY	PAGE NO			
	100 PRELIMINARIES	5			
	200 SITE CLEARANCE	12			
	400 ROAD RESTRAINT SYSTEMS	14			
	500 DRAINAGE AND SERVICE DUCTS	58			
	600 EARTHWORKS	69			
	700 PAVEMENTS	77			
	1100 KERBS, FOOTWAYS AND PAVED AREAS	90			
	1200 TRAFFIC SIGNS AND ROAD MARKINGS	107			
	1300 ROAD LIGHTING COLUMNS AND BRACKETS	109			
	1400 ELECTRICAL WORK FOR ROAD LIGHTING AND TRAFFIC SIGNS	113			
	1700 STRUCTURAL CONCRETE	116			
	1800 STRUCTURAL STEELWORK	118			
	2000 WATERPROOFING OF STRUCTURES	120			
	2400 BRICKWORK, BLOCKWORK AND STONework	122			
	2700 WATERMAINS, UTILITIES AND ACCOMMODATION WORKS	127			
	2900 CCTV SURVEY & CLEANING OF ROAD DRAINAGE SYSTEMS	130			
	3000 LANDSCAPE AND ECOLOGY	136			
	Total Amount:				