

CUNNANE STRATTON REYNOLDS
LAND PLANNING & DESIGN

BILL OF QUANTITIES		IDA PARKMORE				
	27/07/206					
Doc no	25330-3-D02					
ITEM	DESCRIPTION		QTY	UNIT	COST	
	Assumption of:					
1	All site clearance works ie cutting back trees and clearing trees by main contractor					
2	Main contractor supplying and grading soil to slopes and planting areas as specified. Min. 300mm to all planting areas other than grass where 100mm topsoil is acceptable					
A	GENERAL CONDITIONS AND PRELIMINARIES					
1	Provide for compliance with the terms of the Form of Tender, Specification, Preliminaries and Preambles			Item		
2	Allow for compliance with the Method of Working as outlined in the Specification and Contract Drawings, as directed by the Landscape Architect.			Item		
3	Allow for the protection and cleaning of existing walls, footpaths, railings and surfaces transversed, in the implementation of the Works for the duration of the Contract and for the reinstatement / making good upon completion.			Item		
4	Allow for plant, tools, equipment to carry out the works.			Item		
5	Allow for transport for workforce & plant materials			Item		
6	Allow for meeting and adhering to all relevant statutory Health & Safety requirements, including provision of documentation & administration to comply with Health & Safety (Construction) Act 2013.			Item		
7	The contractor shall enter hereunder any item from Contract Documents against which he requires to cover any special risks, liabilities and obligations, which are not included in his rates for items. The amount claimed shall be entered here.			Item		
8	Put in place all necessary insurances including public liability insurance.			Item		
9	Attendance at pre-start meeting for each phase with the client, landscape architect to agree the Method Statement, Site Access and Site Setup.			Item		
10	The Contractor is to inform the Landscape Architect of the source of all trees, hedging, herbaceous, grasses and groundcover plant material at least 2 weeks prior to the placement of any orders and provide sample photographs of			Item		
11	The Contractor is to provide submittals for the source of all Topsoil, Mulch and Organic Compost; as per Landscape Architect's specification at least 2 weeks prior to the placement of any orders.			Item		
12	The Contractor is to retain and present upon request to the landscape architect delivery dockets for all topsoil, hard wearing amenity grass soil mix., Mulch and Compost. Each docket will clearly set out the quantities delivered and the source or supplier of the material.			Item		
13	Utilities and Services : Prior to commencement of works, the Contractor is to liaise with the employer in relation to location of all below ground utilities services, within and adjacent to works areas			Item		
14	The contract sum shall, at no additional cost to the employer, make good and defects, shrinkage, settlement, failures, or faults arising from defective materials, workmanship, or failure to comply with the contract documents. The Contractor shall also maintain all soft works during the defect liability period, including but not limited to: Replacement of Dead, Dying, Diseased, or damaged trees, shrubs, hedges and plants. Replacement of failed turf, seeded areas, wildflower areas where establishment has not been achieved. Watering, weeding, mulching, pruning, staking adjustment, pest and disease control, and cultivation as necessary to ensure successful establishment.			Item		
	Total to Summary					
1.0	Weed Control					
1.1	Allow for 1 no. complete spray with glyphosate herbicide to eliminate grass / weeds in all areas to be planted with hedging or ornamental shrubs and amenity grass areas 2 week prior to ground preparation.			Item		
2.0	Soil Preparation					
2.1	Prior to spreading topsoil ensure compacted ground is loosened as specified			Item		
2.2	Supply and place topsoil to achieve finished levels , If available soil is to be taken from site otherwise it is to be imported from local area. Existing topsoil to be used for the tree planting, hedge and grassed areas first. The following finished <u>minimum</u> finished depths are to be achieved:					
a	Trees pits - 600mm.		79	m³		
b	Woodland planting areas - 450mm to new planting areas as specified.		270	m³		
2.3	Cultivate woodland planting areas thoroughly and incorporate approved compost/ ameliorants as specced.		550	m²		
2.4	Willflower grass mix within zone 3 to have mounding (500mm high) - imported topsoil required - refer to soft landscape		1,300	m²		
2.5	Cultivate areas to be seeded with grass and wildflowers thoroughly incorporating approved compost / ameliorants as		2,500	m²		
3	Setting Out					
3.1	Set out planting and grassed areas and specific tree planting in accordance with the specification documents and drawings. Allow for some design adjustments (layout) on site by the Landscape Architect to reflect the conditions present following the works and optimising microclimatic conditions in positioning plants. Agree layout on site with Landscape Architect and mark out.			Item		
	Total to Summary					
C	Planting - Trees, Shrub, Groundcover, Perennials and Ornamental Grasses - all areas					
	Source, supply, deliver and plant the following plants as specified on the BOQ and Drawings 25330-3-700 To 25330-3-703. Provide adequate feeding and watering as necessary.					
	Tree Planting					
Qp	<i>Quercus petraea</i>	14-16 cm.g., 3.5m+ h., RB	18	no		
Bp	<i>Betula pubescens</i>	10-12 cm.g., 3.5m+ h., 2 m clear stem. BR	12	no		
Ca	<i>Corylus avellana</i>	M/S 2.5 - 3m h, RB/CG	24	no		
Ia	<i>Ilex aquifolium</i>	1.75-2m high hedging, RB	16	no		
Pp	<i>Prunus padus</i>	6-8 cm.g., 2m+ h., RB/CG	9	no		
NWP	Woodland Understory Planting 510m2	5 plants per m2				
	<i>Ilex aquifolium</i>	2/3lt, c.g. 40-60cm, @1m²	4%	102		
	<i>Viburnum opulus</i>	B/R, 40-60cm, @1m²	7%	179		
	<i>Euonymus europaeus</i>	B/R, 40-60cm, @1m²	4%	102		
	<i>Rosa canina</i>	B/R, 40-60cm, @1m²	6%	153		
	<i>Sambucus nigra</i>	B/R, 40-60cm, @1m²	7%	179		
	<i>Rhamnus cathartica</i>	B/R, 40-60cm, @1m²	4%	102		
	<i>Ligustrum vulgare</i>	B/R, 40-60cm, @1m²	8%	204		
	<i>Silene dioica</i>	9cm, pot 9 per m²	12%	306		
	<i>Geum urbanum</i>	9cm, pot 9 per m²	11%	280		
	<i>Viola riviniana</i>	9cm, pot 9 per m²	11%	280		
	<i>Digitalis purpurea</i>	9cm, pot 6 per m²	10%	255		
	<i>Filipendula ulmaria</i>	9cm, pot 6 per m²	11%	280		
	<i>Lonicera periclymenum</i>	2/3lt, c.g. 60-90cm, 1 per 12m²	2%	61		
	<i>Rubus fruticosus</i>	2/3lt, c.g. 60-90cm, 1 per 12m²	2%	61		
	<i>Hedera helix</i>	2/3lt, c.g. 60-90cm, 1 per 12m²	1%	30		
	Seeding					
	Allow for the cultivation, preparation and removal of waste on site before seeding ground.					
AG	Public Amenity grass 1500 m²					
	Drummonds Greenlawn No.2 or equivalent.35g per m²		60	kg		
WG	Wildflower Grass Mix (wet tolerant native planting mix) 1300m²					
	Native mix - Supplier Design By Nature or equivalent. 50g per m²		100	kg		
	Total to Summary					
D	Bark Mulch 650 m³					
	Source, supply, deliver and install bark mulch.					
	Medium grade bark mulch to woodland planting.	650m2 @75mm Depth	49	m³		
	Total to Summary					

E	Hard Landscape Materials					
	Source, Supply, Deliver, excavate for and install all hard landscape elements as per detail drawings and bill of quantities					
	Self binding gravel	720 m2 @ 50mm depth		720	per m2	
	Sub base for self binding gravel	720 m2 @ 150mm depth		720	per m2	
	Landscape membrane	720 m2		720	per m2	
	Total to Summary					
F	Edging					
	Source, Supply, Deliver, excavate for and install all edgings, and protect during construction as per detail drawings and bill of quantities					
	Steel metal edge by Kinley systems or similar approved	500 linear meters		500	per linear m	
	Sub base for pin kerbs	500 linear meters		500	per linear m	
	Total to Summary					
G	Furniture - seating / bins / signage					
	All furniture's to be sourced, supplied, delivered and installed as per detail drawings 25330-3-902 & 2533-3-903. The approved contractor is responsible for the protection of all furniture's and to repair any damage that may be caused.					
	S1 Seating with backrest by Streetlife or similar approved			3	Item	
	S2 Seating without backrest by Streetlife or similar approved			5	Item	
	G3 Box wood bin by Streetlife or similar approved			3	Item	
	G4 Bio-diversity signage by Murray's recycled plastic or similar approved			6	Item	
	G5 Entrance signage by Murray's recycled plastic or similar approved			4	Item	
	Design and submit for approval Biodiversity Art Work for signage items G4 and G5			10	Item	
	Print Art work on Aluminium backed min 5mm ridgid boards, and erects on each sign.			10	Item	
	G6 Bug hotel - Welded mesh gabion basket by Geocoastal.ie or similar approved including locally sourced boulders (5 per bug hotel)			3	Item	
	Locally Sourced Boulders			15	Item	
M	Maintenance (12 Months Post Practical Completion)					
	Provide written monthly report (via email) to Landscape architect describing; work carried and identifying damage to or loss of planting				Item	
	Allow for a minimum of fortnightly inspections during May to September inclusive and monthly visits during October to April inclusive.				Item	
1	Weed Control					
1.1	Shrubs & hedges			510	m²	
1.2	Individual trees - 1m diameter around each plant.			79	m²	
2	Grassed Areas					
	Mow Amenity grass in accordance with the specification to ensure maximum height at any time is less than 75mm.			1,500	m²	
	Mow Amenity grass in accordance with the specification to ensure maximum height at any time is less than 75mm.			1,300	m²	
4	Ongoing Requirements					
	The Following items to be checked at each visit and necessary works carried out.					
4.1	Prune existing and newly planted trees, shrubs, hedges & ground covers removing dead and / or damaged growth as				Item	
4.2	Check trees, shrubs, hedges & ground covers are firmly planted and refirm as required.				Item	
4.3	Check woodland understorey planting to make sure whip plants are not been overwhelmed by competing vegetation.				Item	
4.4	Check trees stakes and ties and replace/ loosen / adjust as necessary to ensure healthy growth and development.				Item	
4.4	Collect litter from site and remove for disposal off site at each maintenance visit.				Item	
5	Fertiliser					
	Allow for one application of poultry manure pellets, to be lightly forked into planting medium, to all planted areas at the rate of 100g/m².					
5.1	Individual trees - 1m diameter around each plant			79	Kg	
5.2	Shrub & hedge areas.			51	Kg	
6	Mulch - Check mulch coverage at each visit and replenish accordingly.				Item	