

Appendix 14A: Estimated Quantities

Material		Units	Quantities							Totals
			XC187	XC201	XC209	XC211	XC212	XC215	XC219	Units
Demolition	Demolition of existing station building	m3	-	-	-	-	-	-	-	-
	Demolition of existing station shed	m3	-	-	-	-	-	-	-	-
Fencing	Timber post and tension mesh stud fence, 1220mm high in accordance with CC-SCD-00321 (mesh to be Zinc Aluminium Alloy)	m	50	1,058	-	800	462	1,523	585	4,478
	Single steel field gate, 4000mm wide and 1225mm high as per TII CC-SCD-00309	No.	-	4	-	-	1	2	3	10
Safety Barriers	Safety Barrier , containment vevel H4a, impact severity level B, working width class W3, designed to be impacted on one side only, straight or curved exceeding 120m radius	m	-	225	-	-	237	-	180	642
	Safety barrier, containment level N2, impact severity level A, working width class W3, designed to be impacted on one side only, straight or curved exceeding 120m radius	m	-	517	-	100	166	2,200	301	3,284
	Pedestrian Guard Rail		-	-	-	-	300	-	56	356
	Pedestrian guardrail to road bridge	m	-	49	-	-	49	-	56	154
Drains and Service Ducts	300mm pipe; PCV; 1-2m deep	m	-	60	-	20	508	80	722	1,390
	Gullies	No.	-	-	-	-	-	10	20	30
	Filter drain	m	-	785	-	4	108	1,830	-	2,727
	Filter drain; bridges	m	-	110	-	-	130	-	180	420
	Manhole Type C 1.5m deep, 1.05m diameter as per TII standard CC-SCD-00502.	No.	-	16	-	6	16	18	14	70
	Catchpit		-	-	-	-	10	-	-	10

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	Interceptor ditch headwall to 300mm pipe, as per TII standard CC-SCD-00553.	No.	-	5	-	-	3	8	2	18
Pavement Carriageways	Sub base granular material type B Clause 804 sub-base, 150mm depth	m3	-	-	-	-	-	-	404	404
	Base AC 32 HDM bin 40/60 des, asphalt concrete dense base, aggregate size 32mm 40/60 pen bitumen, 100mm thick.	m2	-	-	-	-	-	-	2,693	2,693
	Binder course AC 20 HDM bin 40/60 des, asphalt concrete dense binder, aggregate size 20mm 40/60 pen bitumen, 60mm thick.	m2	-	-	-	-	-	-	2,693	2,693
	Surface course, HRA 35/14 C surf 40/60 des, hot rolled asphalt 35/14 C 40/60 pen bitumen, 40mm thick, PSV 55.	m2	-	-	-	-	-	-	2,693	2,693
Pavement Local Access Road	Sub base granular material type B Clause 804 sub-base, 150mm depth	m3	-	409	-	150	920	1,220	129	2,828
	Base AC 32 HDM bin 40/60 des, asphalt concrete dense base, aggregate size 32mm 40/60 pen bitumen, 100mm thick.	m2	-	2,729	-	901	6,134	8,136	858	18,758
	Binder course AC 20 HDM bin 40/60 des, asphalt concrete dense binder, aggregate size 20mm 40/60 pen bitumen, 60mm thick.	m2	-	2,729	-	901	6,134	8,136	858	18,758
	Surface course, HRA 35/14 C surf 40/60 des, hot rolled asphalt 35/14 C 40/60 pen bitumen, 40mm thick, PSV 55.	m2	-	2,729	405	901	6,137	8,136	858	18,761
Pavement Local Field Access road	Sub base granular material type B Clause 804 sub-base, 150mm depth	m3	-	23	-	-	37	71	129	260
	Surface course, AC 14 close surf 70/100 des, asphalt concrete surface course system, aggregate size 14mm 70/100 pen bitumen, 55mm thick, PSV 55 in field accesses.	m2	-	150	-	-	244	472	555	1,421
Footways and Paved Areas	concrete footway 100mm thick to clause 1106 on 100mm subbase in accordance with CC-SCD-01105.	m2	-	-	-	-	2,191	221	-	2,412

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	Paved areas, tactile paving flagstones, 50mm in thickness, 400mm x 400mm, 5mm corduroy typical depth; buff in colour; surfaces sloping at 10° or less to the horizontal.	m2	-	-	-	-	10	-	-	10
Kerbs, Channels, Edgings, Combined Drainage and Kerb Blocks and Linear Drainage Channel Systems	precast concrete kerb; carriageway	m	-	-	-	-	-	-	856	856
	precast concrete kerb; local access road	m	-	1,168	-	500	1,403	2,694	348	6,113
	precast concrete kerb; field access road	m	-	53	-	-	91	159	232	535
	precast concrete kerb; concrete footway	m	-	-	-	-	1,727	-	261	1,988
	Precast concrete drop kerb 25 to 0-6mm	No.	-	-	-	-	4	-	-	4
Traffic Signs	Permanent retroreflective traffic sign to Figure RUS027 (Stop sign) of the Traffic Signs Manual as non-Lit sign face exceeding 0.5 square metre but not exceeding 0.75 square metre in area on 1 No. 3.1m long 76.1mm dia. with 3.0mm wall thickness Tubular steel post on 1 No. 0.433 m3 concrete foundation.	No.	-	8	-	5	16	15	12	56
Road bridge & Special Structures	Concrete pre-cast beams	No	-	12	-	-	14	-	13	39
	Piling to bridge	No	-	-	-	-	-	-	-	-
	Box culvert for river; 40,000 x 6,000 x 3,500mm	No	-	-	-	-	-	-	1	1
	Box culvert for ditch /floodwater; 24,000 x 3,500 x 3,500mm	No	-	-	-	-	-	-	1	1
	Precast box culvert for access road; 13,500 x 6,000 x 5,500mm	No	-	-	-	-	-	-	1	1
	Retaining Wall	m2	-	-	-	-	660	-	172	832
Lighting	10m nominal height steel road lighting column with planted base, post-top mounted full cut off luminaire incorporating 150w SON/T+ lamp & electronic control gear.	No	-	-	-	-	30	-	-	30

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	1 no. 125mm external diameter red public lighting duct and cable	m	-	-	-	-	300	-	-	300
	public lighting cable access chamber, 1.1m x 1.1m external dimensions, blockwork construction.	No.	-	-	-	-	600	-	-	600
Blockwork	Blockwork wall to CC-SCD-02401, 1.6m tall	m2	-	-	-	-	60	-	20	80