Balance - Positive Surplus
Negative Short Fall

Revision No 3 Detailing Existing Road Excavations

Date Revised 16/12/2016, Stewart Forbes

Quantities based on revisions listed below

Mainline Rev 10 Access Roads Rev 5
Junctions Rev 8 Emergency lanes Rev 7
Side Roads Rev 2 Footpaths Rev 2

Eastbound/northbound

Location	Topsoil strip	Resoiling	Balance
100 - 1440N/B	1990	657	1333
1440 - 2400N/B	2032	716	1316
2400 - 3350N/B	6271	2223	4048
3350 - 3700N/B	1984	609	1375
3700 - 4250N/B	673	175	498
4250 - 4750N/B	961	270	691
4750 - 5700N/B	1168	387	781
5700 - 6350N/B	646	837	-191
6350 - 6650N/B	242	105	137
6650 - 7200N/B	1153	322	831
7200 - 7600N/B	2114	596	1518
7600 - 8600N/B	1210	378	832
Muirdrum N/B	2430	743	1687
Cookston Rd	1029	319	710
Cookston N/B	438	126	312
Dunnottar Rd	2703	809	1894
Emergency lane	443	80	363
Dunnottar pond	900	447	453
Touchs 1	178	178	0
Touchs2	486	162	324
Westfield Rd	842	183	659
Temp works	48	0	48
Totals	29941	10322	19619

Cut	% US	Suitable	Unsuitable	Fill	Balance
1128	30	790	338	6457	-5667
249	35	162	87	6678	-6516
7658	20	6126	1532	11630	-5504
585	20	468	117	15423	-14955
334	30	234	100	1037	-803
412	25	309	103	2162	-1853
242	20	194	48	1426	-1232
0	0	0	0	8754	-8754
13	20	10	3	440	-430
236	20	189	47	1914	-1725
11749	50	5875	5875	18	5857
5489	20	4391	1098	145	4246
5889	25	4417	1472	2381	2036
600	20	480	120	6665	-6185
1681	20	1345	336	54	1291
13871	20	11097	2774	661	10436
4	100	0	4	1073	-1073
5312	100	0	5312	0	0
1983	10	1785	198	0	1785
1790	30	1253	537	0	1253
0	0	0	0	3072	-3072
638	30	447	191	0	447
59863	34	39570	20293	69990	-30420

Drain Arisings	% US	Suitable	Unsuitable
1599	50	800	800
2579	50	1290	1290
1244	50	622	622
287	50	144	144
795	50	398	398
297	50	149	149
1287	50	644	644
1009	50	505	505
810	50	405	405
498	50	249	249
359	50	180	180
1447	50	724	724
520	20	416	104
0	0	0	0
120	20	96	24
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
265	50	133	133
0	0	0	0
12211	55	6750	6366

Import Capping	6N Fill	6I or 6 j fill
1040	0	0
133	0	0
109	423	0
591	0	0
507	0	0
408	0	0
265	0	0
36	0	0
37	0	0
579	0	0
2187	0	0
3616	824	0
987	0	0
386	0	0
400	0	0
1242	0	0
409	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
470	0	0
13402	1247	0

Road Excavations P1R6 P1R7

Full hard Exc	lean Mix	Sub base	Soft excavations	Capping
1527	0	474	2730	1566
490	17	167	623	585
549	74	251	650	244
681	362	292	710	1171
1050	829	530	1050	1660
144	157	310	144	195
724	593	348	724	1220
83	149	84	83	244
276	74	140	567	537
353	39	153	489	537
1092	890	549	1733	1922
2494	1453	1588	2115	3882
704	0	0	0	0
0	0	0	0	0
0	0	0	0	0
520	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
10687	4637	4886	11618	13763

Southbound

Location	Topsoil strip	Resoiling	Balance
100 - 1440S/B	1524	284	1240
1440 - 2400S/B	2595	562	2033
2400 - 3350S/B	3163	1054	2109
3350 - 3700S/B	1332	378	954
3700 - 4250S/B	249	67	182
4250 - 4750S/B	1187	161	1026
4750 - 5700S/B	3457	779	2678
5700 - 6350S/B	4176	550	3626
6350 - 6650S/B	601	154	447
6650 - 7200S/B	591	188	403
7200 - 7600S/B	1664	470	1194
7600 - 8600S/B	2564	831	1733
Earth ret wall 3400	0	0	0
Earth ret wall 6200	0	0	0
Muirdrum rd	4718	1056	3662
Muirdrum slips	1759	578	1181
Cookston S/B	2218	793	1425
Rowan pond	586	195	391
Mill Inns pond	1095	365	730
Cowie Pond	1109	370	739
Carron Pond	1295	432	863
carron Road	685	119	566
Mill Inns pond Road	685	119	566
Cowie pond road	678	128	550
P/ton cycle road	714	88	626
Rowan pond Road	1014	119	895
Emergency lane	2516	172	2344
Forfar Road	3053	616	2437
Temp Works	20	0	20
Totals	45248	10628	34620

Cut	% US	Suitable	Unsuitable	Fill	Balance
1418	50	709	709	2546	-1837
1541	50	771	771	3327	-2557
906	35	589	317	10251	-9662
551	45	303	248	259	44
200	20	160	40	75	85
1904	25	1428	476	408	1020
2731	25	2048	683	8010	-5962
893	45	491	402	3416	-2925
203	50	102	102	1789	-1688
10	50	5	5	423	-418
6964	30	4875	2089	297	4578
17246	30	12072	5174	99	11973
4118	20	3294	824	850	2444
10889	40	6533	4356	3155	3378
37748	30	26424	11324	3016	23408
0	0	0	0	10229	-10229
10444	40	6266	4178	8002	-1736
1860	100	0	1860	0	0
25509	25	19132	6377	0	19132
4286	40	2572	1714	0	2572
7357	40	4414	2943	0	4414
89	80	18	71	2195	-2177
710	70	213	497	208	5
19	50	10	10	1874	-1865
3	100	0	3	20721	-20721
87	50	44	44	5848	-5805
86	40	52	34	7144	-7092
3153	90	315	2838	2567	-2252
509	20	407	102	0	407
141434	34	93246	48188	96709	-3463

Drain Arisings	% US	Suitable	Unsuitable
1475	50	738	738
1048	50	524	524
818	50	409	409
281	50	141	141
1975	50	988	988
297	50	149	149
1022	50	511	511
150	50	75	75
244	50	122	122
692	50	346	346
368	50	184	184
801	50	401	401
120	50	60	60
240	50	120	120
980	50	490	490
0	0	0	0
632	50	316	316
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
126	50	63	63
0	0	0	0
400	50	200	200
0	0	0	0
11795	50	5898	5898

Import Capping	6N Fill	6I or 6 j fill
1008	0	0
586	0	0
257	423	0
1718	0	0
2063	0	0
593	0	0
1291	0	0
244	0	0
700	0	0
21	0	0
726	0	0
434	745	0
0	0	3629
0	0	19258
3577	0	0
1419	0	0
1539	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
400	0	0
0	0	0
480	0	0
3900	0	0
339	0	0
21295	1168	22887

Full hard Exc	lean Mix	Sub base	Soft excavations	capping
687	0	394	1319	1264
345	40	262	987	919
577	270	284	585	498
239	213	164	443	574
859	535	492	1505	1724
670	409	317	803	1111
1779	393	711	2077	2491
261	0	131	456	459
580	275	286	630	804
31	15	14	20	58
990	432	471	1008	1592
2413	771	1695	1505	3197
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
623	0	0	0	0
591	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
10645	3353	5221	11338	14691

Centre Reserve

Location	Topsoil strip	Resoiling	Balance
100 - 1440	277	0	277
1440 - 2400	1010	0	1010
2400 - 3350	1324	0	1324
3350 - 3700	506	0	506
3700 - 4250	744	0	744
4250 - 4750	688	0	688
4750 - 5700	1398	0	1398
5700 - 6350	967	0	967
6350 - 6650	531	0	531
6650 - 7200	772	0	772
7200 - 7600	543	0	543
7600 - 8600	388	0	388
Temp Works	0	0	0
Totals	9148	0	9148

Cut	% US	Suitable	Unsuitable	Fill	Balance
285	20	228	57		228
1398	20	1118	280		1118
2292	20	1834	458		1834
665	20	532	133		532
1293	20	1034	259		1034
1360	20	1088	272		1088
2365	20	1892	473		1892
2728	20	2182	546		2182
480	20	384	96		384
1175	20	940	235		940
1207	20	966	241		966
260	20	208	52		208
14804	20	11843	2961		11843
30312	20	24250	6062	0	24250

Stone

Drain Arisings	% US	Suitable	Unsuitable
323	50	162	162
1048	50	524	524
818	50	409	409
299	50	150	150
468	50	234	234
312	50	156	156
730	50	365	365
249	50	125	125
314	50	157	157
87	50	44	44
308	50	154	154
758	50	379	379
0	50	0	0
5714	50	2857	2857

Import Capping	6N Fill	6I or 6 j fill
110	0	0
1039	0	0
1037	0	0
199	0	0
564	0	0
168	0	0
975	0	0
2119	0	0
349	0	0
656	0	0
369	0	0
214	0	0
11400	0	0
19199	0	0

Full hard Exc	lean Mix	Sub base	Soft excavations	capping
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

Totals

Location	Topsoil strip	Resoiling	Surplus
Online	84337	20950	63387

Cut	% US	Suitable	Unsuitable	Fill	Balance
231609	32	157065	74544	166699	-9634

Drain Arisings	% US	Suitable	Unsuitable
29720	52	15505	15121

Import Capping	6N Fill	6I or 6 j fill
53896	2415	22887

Full hard Exc	lean Mix	Sub base	Soft excavations	capping
21332	7990	10107	22956	28454