

Based on February 2010 AFP 39

All Variances Between AFP & Certificate

Count		Current				Current
		AFP	Cert	Diff	%	% of Difference
1.00	Prelims	8,936,461	8,936,462	0	0%	0%
2.00	MOS	354,269	13,168	-341,101	-96%	2%
1.00	Entitlement	13,244,871	1,109,426	-12,135,445	-92%	63%
1.00	tie Deductions	-15,000	-299,189	-284,189	1895%	1%
21.00	Enabling	7,552,074	6,636,881	-915,194	-12%	5%
13.00	Measure	15,316,112	12,621,216	-2,694,896	-18%	14%
7.00	Sep'08 Settlement	34,833		-34,833	-100%	0%
5.00	Bypass	687,594	69,840	-617,754	-90%	3%
1.00	A8 Sewer	1,859,298	1,792,924	-66,374	-4%	0%
21.00	NPO	513,532	414,125	-99,407	-19%	1%
3.00	Hand Digging	539,114	161,885	-377,229	-70%	2%
4.00	Traffic Management	62,515		-62,515	-100%	0%
23.00	Other (Non WS)	3,549,293	3,536,391	-12,903	-0%	0%
333.00	Other (WS)	1,222,634	749,173	-473,461	-39%	2%
5.00	CCTV	562,637	500,429	-62,208	-11%	0%
4.00	Logistic Support	837,753	797,591	-40,161	-5%	0%
17.00	Slew Utilities	94,549	30,680	-63,869	-68%	0%
40.00	Trial Holes	191,350	123,925	-67,425	-35%	0%
9.00	Tunnel Works	43,919	22,666	-21,252	-48%	0%
1.00	Mound Gas Main	572,982	415,288	-157,694	-28%	1%
10.00	Disrupted Plant	201,817	19,049	-182,768	-91%	1%
140.00	Artificial Obstruction	473,971	408,482	-65,489	-14%	0%
17.00	Supply Connections	151,137	7,507	-143,630	-95%	1%
27.00	Foam Concrete	68,604	34,444	-34,160	-50%	0%
30.00	Demolish Chamber	118,806	82,293	-36,512	-31%	0%
43.00	Utility Abandonment	305,128	153,809	-151,319	-50%	1%
40.00	Exc Abandonment	200,319	124,318	-76,000	-38%	0%
46.00	D&D Elsewhere					
739.00	Blank					
1229.00	Agreed	17,520,745	17,520,745	-0	-0%	0%
2833.00	TOTAL	75,201,318	55,983,530	-19,217,788	-26%	100%
2833.00	Check against actual totals	75,176,093	55,942,313	-19,233,780		100%
	Check	25,225	41,217	15,992		
2833.00		Current				

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current				Category	
		AFP	Cert	Diff	%		
CR 1-50							
1	Sewer CCTV		547,070	495,000	-52,070	-10%	CCTV
2	Survey of Sewer Manholes at Gogar Depot		2,961	2,961			Agreed
3	Survey of Gas Steel Service Pipes up to 15/06/07		3,185	3,185			Agreed
4	PC Services; Martin Meehan (Susan Clark). Working days		9,483	9,483			Agreed
5	Provide 5 nr vehicles for the exclusive use of tie staff		28,483	22,994	-5,489	-19%	Other (Non WS)
6	Provide 4 No. Additional telephone handsets for tie site offices						Agreed
7	Proposed temporary extension to Ingliston Park and Ride						Agreed
7	Trial Investigations at car park. Limit of authority to spend = £6,000						Agreed
8	SDS Trial Holes - Under Review. AMIS rates submitted to SDS, AMIS awaiting CN before estimate can be raised						Agreed
9	PC Services - Requirement of Management input to Design Detail and Definition (RATS process).						Agreed
10	tie office requirements - vehicles & IT (Dedicated printer / scanner)						Agreed
11	Construction Services Programme Rev.001 imposing Stakeholder requirements						Agreed
12	MUDFA trial holes - proposals						Agreed
13	Electronic copies of Non-PCS Deliverables						Agreed
14	Traffic Management - Specialist Support						Agreed
15	EARL Design and Construct; mobilisation / outline design and planning		18,211	18,211			Agreed
16	Increased stock holding to offset preliminary design risk and safeguard production						Agreed
17	Emergency Works - IPR; as substantiated in the January 07 Application		4,487	4,487			Agreed
18	Replacement of steel gas pipes required following surveys carried out under Change No. 3 above.						Agreed
19	tie additional subsistence and support		175	175			Agreed
20	SDS Design Drawings reproduction		1,581	1,581			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
21	Removal of contaminated material - Casino Square (P. Sum 2/5/h)					Agreed
22	Team Building Event; assessment. Shared cost (50:50)	1,847	1,847			Agreed
23	Additional Period reports; 13 per annum as opposed to 12 per annum					Agreed
24	St. Andrews Square; additional non MUDFA works					Agreed
25	Transfer of responsibility for Scottish Power works to AMIS	326,231	326,231			Agreed
25.2	Purchase cable for Haymarket	16,778	16,778			Other (Non WS)
25.3	Storage costs and balance of power cables	21,251	21,251			Other (Non WS)
25.4	Purchase additional cable for York PI	97,946	97,946			Other (Non WS)
26	Provision of survey resources to support BT Openreach	9,492	9,492			Agreed
27	Programme Revision 03 (Stakeholder imposed programme)					Agreed
28	GOGAR - SEPARATE REGISTER					Agreed
29	Water services survey for earthing of properties - full length of route for lines 1 and 2.	14,762	14,762			Agreed
30	Ingliston Depot - AMIS/Purvis design costs	6,000	6,000			Agreed
31	Archaeological watching brief during excavation works.					Agreed
32	Additional accommodation and facilities required for tie personnel.	10,432	10,432			Agreed
33	New badger set					Agreed
34	Unknown manhole surveys	2,546	2,546			Agreed
35	Tram Logo's on pedestrian barriers	2,040	2,040			Agreed
36	Tram Logo's on protective clothing	449	449			Agreed
37	Reinstatement trial area	5,443	5,443			Agreed
38	Standing time for site vehicles - no continuity of site works	2,024	2,024			Agreed
39	Hygiene Training for tie & SDS personnel	305	305			Agreed
40	Wrong fuel in tie vehicle	255	255			Agreed
41	Comms Room Security & Air-Conditioning					Agreed
42	Programme Revision 05 Stakeholder Constrained (formerly Imposed) Programme					Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
43	Testing for contaminated land at Leith Docks Area	14,497	14,497			Agreed
44	AMIS MUDFA - Additional support to SDS provider (TUD's & TQ's)	21,687	21,687			Agreed
45	Supply dedicated letter drop subcontractor and distribute customer information packs for each Work Order	23,695	23,695			Agreed
46	Temporary Accomodation Requirements (Alteration to tie office fittings)	1,050	1,050			Agreed
47	WORK ORDER 1A-03-01 (Ocean Drive) - SEPARATE REGISTER					Agreed
48	WORK ORDER 1B-01-01 (Leith Walk) - SEPARATE REGISTER					Agreed
49	Additional support to manage Symology system					Agreed
50	1% uplift for 5 year defects correction period					Agreed
CR 51-100						
51	Princes Street Trial Holes (Part 1)	6,939	6,939			Agreed
52	Leith Walk Trial Holes	205,554	205,554			Agreed
53	OCIP Insurance now in place, AMIS insurance cover no longer required (2.8% value up to and including 22/07/2007)	113,414	113,414			Other (Non WS)
54	Archaeological watching brief during excavation works.	124,562	124,562			Other (Non WS)
55	Provide Testing Facilities					Agreed
56	Schedule 13 impact on construction activities					Agreed
57	Delay & Disruption					Agreed
58	Doocey - Additional Costs					Agreed
59	Additional gas service surveys (Whole Route, Line 1 & line 2)					Agreed
60	Trial Holes - Gogar (Section 7A) on lay-bye, 2# requested by tie	3,241	3,241			Agreed
61	Inspection of Crawley Tunnel	4,337	3,337	-1,000	-23%	Tunnel Works
62	Bill rate adjustments					Agreed
63	Staff Procurement					Agreed
64	Pre-programme Rev 06					Agreed
65	Co-ordinates for Street Furniture	60	60			Agreed
66	Scrap materials	-6,412	-6,412			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
67	Additional AMIS insurances required since not included in tie OCIP					Agreed
68	Contaminated soil testing in Leith Walk trial holes	437	437			Agreed
69	WORK ORDER 5A-08-02 (Roseburn) - SEPARATE REGISTER					Agreed
70	Additional AMIS input into SUC & stakeholder interfaces					Agreed
71	Labour cost uplift not covered in previously allocated late construction start items					Agreed
72	Scottish Power Tunnel full investigation pending. Outcome will determine impact on MUDFA works					Agreed
73	Supply on call plumber for dealing with client connections	3,374	3,374			Agreed
74	Morrison Street trial holes, facilitate with EICC extension (inc 74.2)					Agreed
74.2	Morrison St. utility diversion for EICC extension. Additional non-MUDFA works	17,055	17,055			Agreed
75	WORK ORDER 6A-01-01 (Gogar MUDFA) - SEPARATE REGISTER					Agreed
76	Princes Street Trial Holes - Part 2	5,891	5,891			Agreed
77	GS					Agreed
78	GS					Agreed
79	GS					Agreed
80	GS					Agreed
81	GS					Agreed
82	Accomodation for tie Limited is currently 21#, the AMIS tender included allowance for 10#. Additional is partly addressed under Clause 46. Remainder will be addressed under re-phased prelims					Agreed
83	DKE, GML & LOD to be marked out by independent contractor (not AMIS responsibility)	10,577	10,577			Agreed
84	Risk provisions when Work Order protocol as detailed in the Contract is not followed					Agreed
85	Trial Holes in Shandwick place (Part 1)	4,913	4,913			Agreed
86	Trial Holes in Princes Street (Part 3)	52,192	52,192			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
87	Damaged toby covers / valve covers					Agreed
88	Testing of power cables following installation and before jointing			1,980	1,980	Agreed
89	WORK ORDER 1C-01-02 (Princes St) - SEPARATE REGISTER					Agreed
90	WORK ORDER 1D-05-02 (Princes St) - SEPARATE REGISTER					Agreed
91	Confirmation of Road Make-up at St.Andrews Square Start date			1,077	1,077	Agreed
92	Scottish Water standard details confirmed Scottish Water Std Cover details					Agreed
93	Use of ductile iron tees on PE pipes due to sizing					Agreed
94	Trial Holes in Shandwick Place (PART 2)			90,325	90,325	Agreed
95	Empty skip at Stead Place			281	281	Agreed
96	Performance Bond no longer required reduce Contract Value accordingly (-£70k)					Agreed
97	Delay & Disruption resulting in weekend working			5,922	5,922	Agreed
98	Scottish Power Map Access & Smartrass; to install on AMIS computers			190	190	Agreed
99	WORK ORDER 1C-02-01 (St Andrew Square) - SEPARATE REGISTER					Agreed
100	WORK ORDER 1C-02-01; SEPARATE REGISTER					Agreed
CR 101-132						
102	Vehicle Damages (tie vehicles)			69	69	Agreed
103	WORK ORDER RAT 7A/02/01					Blank
104	Inspect Arch of Bridge and dig trial holes			1,429	1,429	Agreed
105	St Andrew Square Trial Holes (Part 2)			26,982	26,982	Agreed
107	WORK ORDER 1B/02/01					Blank
110	Constitution Street Trial Holes			97,813	97,813	Agreed
111	Stationary for printing drawings for Work Orders			340	340	Agreed
112	Trial hole to confirm depth of 275KV transmission cables @ Edinburgh Park Stn			1,158	1,158	Agreed
113	Additional Trial Hole @ Request of tie			542	542	Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
114	Escalation of labour costs as part of agreed settlement	144,770	144,770			Agreed
115	Reliance on stop/start sub-contract labour extra over costs	130,000	130,000			Agreed
116	Potential indexation related to revised spend profile	250,000	250,000			Agreed
117	Underecovery of overheads	198,000	198,000			Agreed
118	Additional recruitment costs	10,881	10,881			Agreed
119	Delay & Disruption to Princes Street works (1C/01/02 & 1D/05/02)	7,523		-7,523	-100%	Sep'08 Settlement
120	Provision of an external Planning Manager & Managing QS - Included in CC109					Agreed
121	De-mobilise city centre works 1 week prior to planned date	10,946		-10,946	-100%	Sep'08 Settlement
123	Construct stage for tie promotional video	2,167	2,167			Agreed
124	Additional Traffic Management Signage	4,355	4,355			Agreed
126	GPS Projection based on Local Grid Co-ordinates to be carried out by L&M Surveys	2,392	2,392			Agreed
127	Shandwick Place to Haymarket (Trial Holes)	49,704	49,704			Agreed
128	Supply & install taxi stance signs	1,366	1,366			Agreed
130	Repair pot holes to road in front of MUDFA offices	4,963	4,963			Agreed
131	Remove Princes St mass barrier on 31/12/07 & replace on 03/01/08	4,581	4,581			Agreed
CR 133-164						
133	AMIS to instruct Chubb to continue for 4 weeks from Friday 9th Nov 2007 (MOVED FROM GOGAR 28.4)	4,641	4,641			Agreed
134	Wider area signage & auxiliary signage	23,890	23,890			Agreed
135	Part of global claim					Agreed
136	Supervision required for Work Sites on Weekends	18,953	14,272	-4,681	-25%	NPO
137	Supervision required for Change Control Items on Weekends & Nightshifts	7,243	6,197	-1,046	-14%	NPO
138	Call out cover for Gogar Depot Site over Xmas and New Year holiday period	2,176	2,176			Agreed
139	Captured in re-measure					Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
140	Realign and strengthen fencing Heras fencing at Gogarburn Depot		3,563	3,563		Other (Non WS)
142	Vehicle for tram helpers		5,678	5,678		Agreed
144	ON SEPARATE REGISTER					Blank
145	Extra over on materials for using tactile slabs where necessary		3,472	3,472		Agreed
147	Trial Holes (Haymarket - Network Rail)		2,374	2,374		Agreed
151	Street Furniture (**SEPERATE REGISTER**)					Blank
152	Hire of MASS Barrier		1,041,895	1,041,895		Other (Non WS)
155	Excavate 3 Trial Holes in Gyle Car Park to route prove for 450mm Water and HV cable.		894	894		Agreed
159	Damage to laminating machine		126	126		Agreed
161	Supply of 12 temporary NAL foundation blocks		4,243	4,243		Agreed
162	Class one call out to re-erect Gogar Depot Herras Fence 23/02/08					Agreed
CR 165-196						
165	Installation of bases and sleeves for various sign posts		14,057	14,057		Agreed
167	Under-recovery on fuel, oil, small tools and mobile phone for Change Control items (i.e. Not recovered when CARP rates used) - withdrawn					Agreed
168	Diversions over Leith Walk Rail Bridge		13,997	13,997		Other (Non WS)
169	7B Design & Build		183,198	183,198		Agreed
171	A8 Sewer Diversion		1,859,298	1,792,924	-66,374	-4%
172	Continue hire of office complex, generators and toilet unit to		20,406	20,406		Agreed
173	Litter collection (Leith Walk)		14,748	15,536	788	5%
174	Non-domestic rates summary warrant					Agreed
176	Reforcasting of prelims to align Rev 07 programme					Agreed
177	7A Sewer Flow Monitoring					Agreed
178	Additional SUC Administration Requirements					Agreed
179	Assist Siemens with installation of Pedestrian crossings		1,218	1,218		Agreed
180	Provide road sweeper after accident on guided bus route 30/06/08		133	133		Agreed

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				Current				
Change Control	Description			AFP	Cert	Diff	%	Category
181	Cable Jointing LV Power			11,547	11,547			Other (WS)
182	Use of foam concrete due to spacing and congestion of both existing and new utilities making compaction using Type 1 impractical and unlikely to achieve the required compaction.							Agreed
184	Support teams for BT manhole inspections (2 teams)							Agreed
186	Purchase of Traffic Management signage			42,236	42,236			Agreed
187	Remedial works due to failure of B0 backfill							Agreed
188	Additional cost of labour standing down during August 08 embargo			56,226	56,226			Agreed
191	Gogar 1500 sewer; construction of new site entrance/access - not progressed							Agreed
193	Noise monitoring - withdrawn							Agreed
194	Section 1B - Grouting up of abandoned Sewer			3,464	3,464			Agreed
195	Scottish Power Revised Duct Specification							Agreed
196	Make good defects in the road- Shandiwick PI & Lothian Rd. junction. Estimate only - not carried out							Agreed
CR 197-228								
199	tie Road Traffic Offences (RTO's)			131	131			Agreed
200	Assessed Elsewhere (see Master Change Control Register)							Blank
201	Assessed Elsewhere (see Master Change Control Register)							Blank
202	Late Payment of AFP No.21							Agreed
203	Works to meet Embargo Restrictions including backfill of trenches / excavations that will require re-opening and demobilisation of affected sites			119,000	119,000			Agreed
204	IMP Application 30723 - Undertake CCTV surveys of all drainage systems between plates 22 and 35 (1B-02-01 to 1C-04-01)			699	699			Agreed
205	Contract Wide Standard Details, Specification and TQ's							Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
206	Prima Testing = Compressive Strength (various locations)					Blank
207	Baxters Place Survey	2,943	2,943			Agreed
208	Legislative change for excavated contaminated material					Blank
209A	Additional Traffic Management Works Nov 08 to Aug 09	227,000	227,000			Agreed
209B	Additional Traffic Management Works From Aug 09	54,363		-54,363	-100%	Traffic Management
209.35	Install 24 No. RII poles to George Street, Assessed Elsewhere (see Master Change Control Register)	15,592	15,592			Enabling
210	Assessed Elsewhere (see Master Change Control Register)					Blank
211	Assessed Elsewhere (see Master Change Control Register)					Blank
212	Additional TM costs over Christmas period	4,721	4,721			Other (Non WS)
213-226	Enabling works, see separate register					Enabling
227	Assessed Elsewhere (see Master Change Control Register)					Blank
228	Assessed Elsewhere (see Master Change Control Register)					Blank
229	Supply SP ducts to Infracore	1,218	1,218			Other (Non WS)
230	Hire of Rhino Barrier for the Mound	31,088	21,394	-9,694	-31%	Other (Non WS)
231	Assessed Elsewhere (see Master Change Control Register)					Blank
232	Assessed Elsewhere (see Master Change Control Register)					Blank
233	Assessed Elsewhere (see Master Change Control Register)					Blank
234	Nill (see Master Change Control Register)					Blank
235	Procure 1x315mm branch saddle from Radius systems.	2,051		-2,051	-100%	Other (WS)
236	Nil (see Master Change Control Register)					Blank
237	Excess MOS tie responsibility	4,921		-4,921	-100%	MOS
238	Assessed Elsewhere (see Master Change Control Register)					Blank
239	Nil (see Master Change Control Register)					Blank
240	Refer to CC153.176					Blank
241	Nill (see Master Change Control Register)					Blank

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Change Control	Description	Current				Category		
		AFP	Cert	Diff	%			
242	CCTV survey of road gullies in St Andrews Sq and Shandwick Pl.			2,179		-2,179	-100%	Other (Non WS)
243	Nill (see Master Change Control Register)							Blank
244	Assessed Elsewhere (see Master Change Control Register)							Blank
245	Provide 2 men plus vehicle to transfer boxes from leith offices to City Point			495	495			Other (Non WS)
246	Assessed Elsewhere (see Master Change Control Register)							Blank
CR 47								
47.1	Did not materialise							Agreed
47.2	Work Order 1A-03-01, Unchartered Services			682	682			Agreed
47.3	LABOUR UPLIFT (until 12/10/07 @ 100%)			57,824	57,824			Agreed
47.4	To be concluded							Agreed
47.5	Work Order 1A-03-01, Prima 100 LWD testing services							Agreed
47.6	Work Order 1A-03-01, Delays (CVI)			8,467	8,467			Agreed
47.7	Work Order 1A-03-01, Saturday & Sunday Working			1,337	1,337			Agreed
47.8	Work Order 1A-03-01, Delays (CVI)			8,606	8,606			Agreed
47.9	Work Order 1A-03-01, Delays							Agreed
47.10	Work Order 1A-03-01, Delays (CVI)			22,278	22,278			Agreed
47.11	Work Order 1A-03-01, Delays (CVI)			4,226	4,226			Agreed
47.12	Cable pulling, testing, jointing, & terminating cable Purchase power cables			57,167	57,167			Agreed
47.13	Work Order 1A-03-01, Delays (CVI)			11,605	11,605			Agreed
47.14	To be concluded							Agreed
47.15	Work Order 1A-03-01, Abandonment of Forth Ports cables affecting diversions 1A/FPP/D/06, 07, 08, 09 & 10			6,940	6,940			Agreed
47.16	Work Order 1A-03-01, Delays for Artificial obstructions & Unchartered utilities			5,576	5,576			Agreed
47.17	Work Order 1A-03-01, Delays for Artificial obstructions			5,222	5,222			Agreed
47.18	Work Order 1A-03-01, Delays for Artificial obstructions, demolishing chambers, & trial holes			9,457	9,457			Agreed
47.19	To be concluded							Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
47.20	At Casino Trial Site to insert Protectaline through sleeves		3,881	3,881		Agreed
47.21	Work Order 1A-03-01, Delays for Artificial obstructions, demolishing chambers, & trial holes		6,396	6,396		Agreed
47.22	Work Order 1A-03-01, Supply & Install Scottish Water frame & covers		826	826		Agreed
47.23	Reinstate granite setts and boundary wall at casino					Agreed
47.24	Work Order 1A-03-01, Artificial obstructions		1,300	1,300		Agreed
47.25	Work Order 1A-03-01, Abandoned Work & Power Supply Connections		22,108	22,108		Agreed
47.26	Work Order 1A-03-01, Remove and replace kerbs & Unchartered services		1,634	1,634		Agreed
47.27	To be concluded					Agreed
47.28	To be concluded					Agreed
47.29	To be concluded					Agreed
47.30	To be concluded					Agreed
47.31	Work Order 1A-03-01, Artificial obstructions & Unchartered utilities		3,216	3,216		Agreed
47.32	Temporary connection to Forth Ports water supply		674	674		Agreed
47.33	Protectaline pipe required for dealing with Contaminated land (Also see CR 47.20)		4,691	4,691		Agreed
47.34	To be concluded					Agreed
47.35	Various CVI's		1,560	1,560		Agreed
47.36	Additional valves etc					Agreed
47.37	Supply generator for Casino during FPP diversions and installations		1,640	1,640		Agreed
47.38	Concrete slab over diversion (C/way rate claimed in lui)					Agreed
47.39	Remove & replace kerbs		4,326	4,326		Agreed
47.40	Remove artificial obstructions		290	290		Agreed
47.41	New Thus diversion					Agreed
47.42	Proceed FPP water meter and connections					Agreed
47.43	Various re-measure items					Agreed
47.44	DISRUPTED PLANT ITEMS		6,215	6,215		Agreed
CR 48						

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Change Control	Description	Current				Category	
		AFP	Cert	Diff	%		
48.1	Additional Signage Request		3,679	3,679		Other (Non WS)	
48.1 p2	Additional Signage Request					Blank	
48.1 p2 b	Supply 10 no. signs 'All Shops Open For Business As Usual'. Price amended to exclude erection and maintenance.		272	272		Agreed	
48.1 p3	Supply 4 no. signs for the wider area signage covering Piccardy Place and Great Junction Street		1,025	1,025		Agreed	
48.3	Supply Operatives to Facilitate Working with Network Rail (Estimate, claimed in 48.3a)					Blank	
48.3a	Supply Operatives to Facilitate Working with Network Rail		4,189	4,189		Other (WS)	
48.6	Abandonment of 8" CI Scottish Water Estimate, claime din 48.6a)					Blank	
48.6a	Removal of Cast iron Water pipe		345	345		Agreed	
48.6b	Remove further 44m of 6" CI water pipe (total removed to date 91m)		399	399		Agreed	
48.6c	Remove 11.4m of 8" CI water pipeand 5.8m of 12" CI water pipe. (total removed to date 91m 6", 11m 8", 6m 12")		369	369		Agreed	
48.7	Loss in productivity (15%) (estimate)					Blank	
48.8	Enabling Works to allow Water Main Abandonment		6,465	6,465		Utility Abandonment	
48.9	Re-dig of Trial Hole due to Apparatus in Planned BT Chamber Position		245	245		Agreed	
48.11	Concrete in Trench		539	539		Agreed	
48.12	Delays for Uncharted Utilities - 3 11KV Cables found in intended trench		4,697		-4,697	-100%	Sep'08 Settlement
48.13	Trial holes					Blank	
48.14	Uplift on Labour Rates (delay in original procurement)					Other (WS)	
48.15	Upfront Valve Survey		238	238		Agreed	
48.16	Removal of Central Reserve		4,767	4,767		Other (WS)	
48.16a	Removal of Leith Walk Central Reserve					Blank	
48.16b	Remove Central Reserve and Kerb Outcrops on Leith Walk to facilitate Traffic Management		179,004	178,487	-517	-0%	Other (WS)
48.17	Artificial Obstruction & Unknown Services		1,792	1,792		Agreed	
48.18	Soft Spot causing Collapse in Carriageway		850	850		Agreed	
48.19	Concrete in Trench		943	943		Agreed	

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
48.20	Trial holes	724	724			Agreed
48.21	Unknown Services	140	140			Agreed
48.25	Foam Concrete	2,504		-2,504	-100%	Foam Concrete
48.26	Due to Quantity of track excavated within a small worksite combined with poor existing road quality, the area of existing tar (by request from Highways Officer Williw Barker) has increased from originally anticipated nominal track widths	10,000	10,000			Other (WS)
48.27	Due to high flow levels a specialist subcontractor is required a floating camera for the Sewer CCTV Surveys on Sections 1A, 1B, 2, 5A and 5C.	5,083	5,083			CCTV
48.30	Concrete in trench	283	283			Agreed
48.31	Whilst excavating after heavy rain, depressions / voids appeared requiring digging out and backfilling					Agreed
48.32	Demolish Virgin Media Box / Chambers	1,549	1,549			Agreed
48.33	Trial holes above original scope	1,519	1,519			Agreed
48.34	Provision of Mass Barrier (NOT ESTIMATED YET)					Agreed
48.35	Labour, Plant and Materials used to tie in pipes over and above that in tendered rates build-up (NOT ESTIMATED YET)					Agreed
48.36	Demolish BT chambers and slew cables	4,286	4,286			Demolish Chamber
48.37	Excavate subsided area and backfill to 100mm below surface. Reinstatement under CVI 17857	1,238	1,238			Agreed
48.38	Connection to 9" water main at McDonald Road required to be 15m long as opposed to the planned 5m length due to existing services. (VALUE CLAIMED AS REMEASURE OF ORIGINAL ITEM)					Agreed
48.39	Isolate water main to cease flow of water to allow diversion to continue	295	295			Agreed
48.40	Drill service to determine if live & lay extra duct	2,746	1,789	-957	-35%	Other (WS)
48.41	Demolish existing chamber to build JF6 outside Leith Cycle Shop	547	547			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
48.42	Removal and replacement of kerbs	1,314	1,314			Agreed
48.43	Concrete found in various excavations	1,183	1,183			Agreed
48.44	Backfill spec - no cost implications					Agreed
48.45	Build Telewest Cabinets (NOT PRICED YET)					Agreed
48.46	Break out and rebuild old tunnel in road crossing including riveted steel plates to allow installation of BT ducts	1,377	1,377			Agreed
48.47	All disrupted plant relating to 1B	33,995		-33,995	-100%	Disrupted Plant
48.48	Concrete around shallow water main (NO COST IMPACT)					Agreed
48.49	Remove kerb outcrops at demolition yard	568	568			Agreed
48.50	4 no extra 300mm DI bends to alter diversion as per Scottish Water	1,176	1,176			Agreed
48.51	Hand digging due to nature of existing utilities					Blank
48.52	Following prolonged heavy rain track had to be re-excavated to formation level					Other (WS)
48.53	Unable to build chambers (NOT PRICED YET)					Agreed
48.54	Lift and relay blocks in collapsed area as per Ronnie Black	151	151			Agreed
48.55	Demolish chamber and slew cables	1,510	1,510			Agreed
48.56	Trial holes over and above original scope	2,722	2,454	-269	-10%	Trial Holes
48.57	To increase pressure in 4" CI water main at point of 1B/SW/D/390 hydrant	2,050	2,050			Other (WS)
48.58	Due to poor existing road surfacing AMIS had to reinstate additional carriageway over and above the original 1.0m wide track.	1,666	1,666			Agreed
48.59	Gas diversion at Shrubhill	3,171	3,171			Other (WS)
48.60	Extra reinstatement of carriageway due to poor existing road condition.	3,805	3,805			Other (WS)
48.61	Removal of tunnel	477	477			Agreed
48.62	Concrete and artificial obstructions	10,137	10,137			Artificial Obstruction
48.63	TQs & CVIs with no cost impact					Agreed
48.64	Weekend works due to traffic management restrictions	505	505			Agreed
48.65	Concrete & Trial holes	3,140	3,140			Artificial Obstruction
48.66	Investigative work due to services not appearing as per drawing.	341	341			Agreed
48.67	Trial Holes (Included in Leith Walk trial holes)					Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
48.68	Raising of BT ducts and lowering of SGN main (Included in 48.70)					Agreed
48.69	Additional works due to TQ-298.	6,525	6,525			Other (WS)
48.70	Lower 90mm gas main	2,653	2,653			Other (WS)
48.71	Gas connections					Supply Connections
48.72	Breaking out concrete.	410	410			Agreed
48.73	Widening Track to lay Scottish Power Insurance ducts. Ducts abandoned due to unchartered utilities.	892	892			Agreed
48.74	Removal of redundant wastewater chamber.	1,210	1,210			Agreed
48.75	Artificial obstructions	2,004	2,004			Artificial Obstruction
48.76	Confirmation of bedding (NO COST IMPACT)					Agreed
48.77	Use of foam concrete to make safe shallow water pipes	235	235			Agreed
48.78	Downtime due to incorrect traffic management - Leith Walk / McDonald Road	2,685		-2,685	-100%	Sep'08 Settlement
48.79	Downtime due to inclement weather					Sep'08 Settlement
48.80	Hand digging around existing services due to density of services in the area					Agreed
48.81	Trial Hole	245	245			Agreed
48.82	Incorrect SGN maps and SDS IFC drawings resulted in excessive excavations to determine connection points	1,535	1,535			Agreed
48.83	Removal of 6m of cast pipe and artificial obstruction	255	255			Agreed
48.84	Remove concrete BT duct & Remove redundant 4" cast pipe	234	234			Agreed
48.85	Use of ductile tees as opposed to PE (NOT PRICED YET)					Agreed
48.86	Demolish CCTV box to allow 20 way duct to be layed (NOT PRICED YET)					Agreed
48.87	Hand digging					Agreed
48.88	Job abandoned due to SW failure to attend	512	512			Agreed
48.89	Delay caused by SGN gas leak	420	420			Agreed
48.90	Removal of Kerbs, Railing and Slabbing	913	913			Agreed
48.91	Hand digging					Agreed
48.92	Pilrig Street Traffic signals (LUX INCLUDED UNDER CC109.4)					Agreed
48.93	Artificial obstructions	396	396			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
48.94	Bus shelter moved by tie					Agreed
48.95	Abortive works due to change in diversion	900	900			Agreed
48.96	Repair surface at Leith Walk (NOT CARRIED OUT YET 30/05/2008)					Agreed
48.97	Drill & remove 4" and 9" main	80	80			Agreed
48.98	Cleaning off encrustations on 12" gas main to install clip & valve x 2	691	691			Agreed
48.99	Exposing of uncharted main and thrust blocks. Additional diversion around existing 9" main and thrust blocks.	523	523			Agreed
48.100	Removal of Artificial Obstruction	2,157	2,157			Artificial Obstruction
48.101	Delay waiting on answer to TQ.					D&D Elsewhere
48.102	Hand digging due to congested services					Agreed
48.103	Removal of Artificial Obstructions and removal of redundant main.	4,009	3,848	-160	-4%	Artificial Obstruction
48.104	Second excavation for Clip & Valve to be placed on 12" Gas Main due to main being damaged in original location.	3,404	2,071	-1,333	-39%	Exc Abandonment
48.105	Relaying Kerbstones	2,524	162	-2,362	-94%	Other (WS)
48.106	Assessed Elsewhere (see Master Change Control Register)					Blank
48.107	Standing down time.	158	158			Agreed
48.108	Assessed Elsewhere (see Master Change Control Register)					Blank
48.109	Assessed Elsewhere (see Master Change Control Register)					Blank
48.110	Assessed Elsewhere (see Master Change Control Register)					Blank
48.111	Trial holes at Network Rail Overbridge	1,977	1,977			Agreed
48.112	Remove cast redundant cast pipe	1,305	1,305			Agreed
48.113	Cleaning gas main.	1,700	1,700			Agreed
48.114	Erecting Telewest cabinets on Balfour St.	2,253	1,731	-521	-23%	Other (WS)
48.115	Assessed Elsewhere (see Master Change Control Register)					Blank
48.116	Artificial Obstructions	2,372	2,372			Artificial Obstruction
48.117	Kerb Removal	877	877			Agreed
48.118	Supporting collapsed trench & xtra foam concrete required					Foam Concrete
48.119	Non-MUDFA related mason work					Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
48.120	Removal of artificial obstruction	1,937	1,937			Agreed
48.121	Sinking of existing manhole	221	221			Agreed
48.122	Assessed Elsewhere (see Master Change Control Register)					Blank
48.123	Artificial obstruction	614	614			Agreed
48.124	Assessed Elsewhere (see Master Change Control Register)					Blank
48.125	Assessed Elsewhere (see Master Change Control Register)					Blank
48.126	Removal of lamp posts	4,771	3,146	-1,625	-34%	Other (WS)
48.127	Demolish Chamber & Artificial Obstruction	1,014	950	-64	-6%	Artificial Obstruction
48.127	Demolish Chamber & Artificial Obstruction	1,014	1,014			Agreed
48.128	Assessed Elsewhere (see Master Change Control Register)					Blank
48.129	Nil (see Master Change Control Register)					Blank
48.130	Assessed Elsewhere (see Master Change Control Register)					Blank
48.131	Assessed Elsewhere (see Master Change Control Register)					Blank
48.132	Nil (see Master Change Control Register)					Blank
48.133	Nil (see Master Change Control Register)					Blank
48.135	Extra over items for supply connections coming of 180mm - now in measure					Supply Connections
48.136	Remove concrete					Artificial Obstruction
48.137	Assessed Elsewhere (see Master Change Control Register)					Blank
48.138	Backfill SGN Holes	312	312			Agreed
48.139	Extra concrete on BT ducts.	118	118			Agreed
48.140	Assessed Elsewhere (see Master Change Control Register)					Blank
48.141	Additional reinstatement	359	359			Agreed
48.142	hand digging and removal of artificial obstruction	207	207			Agreed
48.143	Standing down time					D&D Elsewhere
48.144	Artificial obstruction	2,196	2,196			Artificial Obstruction
48.145	Excessive hand digging					Agreed
48.146	Standing down costs					D&D Elsewhere
48.147	Remove concrete	909	909			Agreed
48.148	Remove concrete	2,877	2,597	-280	-10%	Artificial Obstruction

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Change Control	Description	Current				Category	
		AFP	Cert	Diff	%		
48.149	Remove concrete.		3,815	3,222	-593	-16%	Artificial Obstruction
48.150	Delay encountered during re-design and acceptance of re-design of 275kV Scottish Power diversion.		12,159		-12,159	-100%	Other (WS)
48.151	Assessed Elsewhere (see Master Change Control Register)						Blank
48.152	Nil (see Master Change Control Register)						Blank
48.153	Slew 4w BT duct		1,091	1,091			Agreed
48.154	Hand Digging						Blank
48.155	Remove BT Ducts		2,083	2,083			Agreed
48.156	Remove concrete		1,792	1,792	-0	-0%	Agreed
48.157	Hand Digging						Agreed
48.158	Divert 4" Pipe		8,243	3,187	-5,056	-61%	Other (WS)
48.159	Repair BT Ducts		2,791		-2,791	-100%	Other (WS)
48.160	Re-divert 180mm Pipe		13,212	13,212			Agreed
48.161	Locating services to transfer		7,894		-7,894	-100%	Supply Connections
48.162	Assessed Elsewhere (see Master Change Control Register)						Blank
48.163	Nil (see Master Change Control Register)						Blank
48.164	Nil (see Master Change Control Register)						Blank
48.165	Excavating and fitting washout		5,982	4,971	-1,010	-17%	Other (WS)
48.166	Excavating to locate services opposite pilrig		4,352	4,352			Supply Connections
48.167	Assessed Elsewhere (see Master Change Control Register)						Blank
48.168	Assessed Elsewhere (see Master Change Control Register)						Blank
48.169	Assessed Elsewhere (see Master Change Control Register)						Blank
48.170a	Excavating to install washouts WE 10/04/09 as allocation sheet 0579		3,917	3,917			Agreed
48.170b	Excavating to install washouts WE 17/04/09 as allocation sheet 0587		2,176	2,176			Agreed
48.171	Nil (see Master Change Control Register)						Blank
48.172	Fitting mechanical joints		1,765	1,765			Agreed
48.173	Nil (see Master Change Control Register)						Blank
48.174	Assessed Elsewhere (see Master Change Control Register)						Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
48.175	Assessed Elsewhere (see Master Change Control Register)					Blank
48.176	Nil (see Master Change Control Register)					Blank
48.177	Hand Digging					Blank
48.178	Nil (see Master Change Control Register)					Blank
48.179	Hand Digging					Blank
48.180	Delay and disruption					D&D Elsewhere
48.181	Nil (see Master Change Control Register)					Blank
48.182	Remove concrete	589	589			Artificial Obstruction
48.183	Remove concrete	451	451			Artificial Obstruction
48.184	Removal of temp reinstatement	1,167	844	-324	-28%	Other (WS)
48.185	Nil (see Master Change Control Register)					Blank
48.186	Assessed Elsewhere (see Master Change Control Register)					Blank
48.187	Assessed Elsewhere (see Master Change Control Register)					Blank
48.188	Hand digging					Blank
48.189	Gas Abandonment on Pilrig street (9")	27,570		-27,570	-100%	Utility Abandonment
107.190	Hand digging due to unchartered utilities					Blank
48.191	Supply connections over leith walk rail bridge	17,891		-17,891	-100%	Supply Connections
48.192	Failed decay test (cut & cap) at Brunswick Place. Further trial hole investigations to prove network found water in the main, which required siphoned. Second decay test subsequently passed so cut & cap of 12" carried out.	25,303		-25,303	-100%	Other (WS)
48.193	Additional Trial Holes required to prove existing SGN Network at Balfour Street. (As per CUS letter 2829 & Technical Query 1593)	3,912		-3,912	-100%	Trial Holes
48.194	Failed decay test due to dirt in the existing 12" C/I main (conflict 1B/LP/09) at Albert Place. CUS to employ specialist subcontractor to carry out foam bagging as per TQ 1567.	7,799		-7,799	-100%	Other (WS)
48.195	Measure of additional works requested under item 7 of Change Order 5316.	9,883		-9,883	-100%	Other (WS)
48.196	Nil (see Master Change Control Register)					Blank
48.197	Assessed Elsewhere (see Master Change Control Register)					Blank

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Change Control	Description	Current						Category
		AFP	Cert	Diff	%			
48.198	CUS required to investigate flood at basement of leith walk laundry, repair existing 4" main.			1,149		-1,149	-100%	Other (WS)
48.199	As per Item 8 of tie Change Order 5316: Additional 30 no. service connections due to pressure problems and condition of existing main.			73,224	3,155	-70,069	-96%	Supply Connections
48.200	Additional works for SW Water as per TQ: SW4 - Additional Fire Hydrant & 100mm SV.			3,619	641	-2,978	-82%	Other (WS)
48.201	Additional 2 no supply connections to No. 25 Crighton Place & one failed connection to existing lead supply entering building, resulting in flooding.			8,283		-8,283	-100%	Supply Connections
48.202	Albert Place - Cut and Cap of existing 12" C/I (conflict 1B/LP/09).			11,722		-11,722	-100%	Utility Abandonment
48.203	Bypass and decommissioning of conflict 1B/LP/32 at Balfour Street.			8,678		-8,678	-100%	Utility Abandonment
48.204	Assessed Elsewhere (see Master Change Control Register)							Blank
48.205	Service transfer (360 leith walk)			2,353		-2,353	-100%	Supply Connections
48.206	Hand digging							Blank
48.207	Additional 2 no. supply connections to 4 Crighton Place.			3,069		-3,069	-100%	Supply Connections
48.208	Decay test to ascertain pressure levels in main (CO 5320)			1,527		-1,527	-100%	Other (WS)
48.209	Demolish JRCX12 and rebuild JRF110 (CO 5463)			4,640	2,479	-2,162	-47%	Demolish Chamber
48.210	Blank plated abandoned clip and valve			5,646	1,464	-4,182	-74%	Other (WS)
48.211	Backfill joint bays due to incorrect IFC design			7,039	5,960	-1,079	-15%	Other (WS)
48.212	Further to resolution of TQ 1568, CUS placed a 63mm Bypass to carry out the Cut & Cap of 12" cast iron (conflict 1B/LP/09) at Brunswick Place.			8,547		-8,547	-100%	Utility Abandonment
48.213	Abandon gas main at Shrub Hill (opposite Albert St) (claimed in 48.192)			135		-135	-100%	Utility Abandonment
48.214	Under pressure supply connections at Dalmany Street in order to facilitate additional BT works.			4,222		-4,222	-100%	Supply Connections
CR 48.24								

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
48.24.1	Uplift existing skip (left by others) and provide new skip for waste removal and tidy-up.	281	281			Agreed
48.24.2	Cut out 4 no power cables after scottish power confirmed dead. Break out old ducts.	411	411			Agreed
48.24.3	Break away cast duct from gas pipe to allow dropping of BT ducts.	472	472			Agreed
48.24.4	Shoring of excavation to ensure safety of operatives	497	497			Agreed
48.24.5	Locate joints along cable section and demolish old link box	1,464	1,464			Agreed
48.24.6	Divert Gas Main in order to allow building of manhole	1,981	1,981			Agreed
48.24.7	Purchase and Installation of H-beam frame to support existing apparatus and enable shuttering of excavation	3,957	3,957			Agreed
48.24.8	Concrete found in trial hole 39 trial hole for BT Manhole 404	79	79			Agreed
48.24.9	Carry out additional SPEN cable diversions	8,285	8,285			Agreed
48.24.10	Street Lighting & Traffic Control Works (NOT PRICED YET)					Agreed
48.24.11	Demolish existing manholes for new 1B/BT/511 and new 1B/BT/512					Agreed
48.24.12	Disrupted plant for all CCs relating to RAT 1B/01	2,484	2,484			Agreed
48.24.13	Delay & Disruption to BT Chamber Works	15,000	15,000			Agreed
48.24.14	Failed 7" water main next to excavation for BT manhole					Agreed
48.24.15	Move shuttering of manhole by 100mm to avoid existing sewer.					Agreed
48.24.16	Slewing of BT ducts.	11,389	11,389			Agreed
48.24.17	Demolish BT manhole.	30,171	30,171			Agreed
48.24.18	Use of plasticiser.					Agreed
48.24.19	Additional Hours in order to meet imposed deadline.					Agreed
CR 69						
69.1	Work Order 5A-08-02 - Aborted Trial Hole	245	245			Agreed
69.2	Work Order 5A-08-02 - Demobilise Traffic Management over weekend of Rugby International	1,216	1,216			Agreed

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				Current				
Change Control	Description			AFP	Cert	Diff	%	Category
69.3	to be confirmed if required							Agreed
69.4	to be confirmed in CVI							Agreed
69.5	Work Order 5A-08-02, Demobilise Traffic Management over weekend of Rugby International			11,001	11,001			Agreed
69.6	Work Order 5A-08-02 - Artificial obstructions			11,605	11,605			Agreed
69.7	Work Order 5A-08-02, Demobilise Traffic Management over weekend of Rugby International			3,166	2,923	-242	-8%	Other (WS)
69.8	will be captured in re-measurement							Agreed
69.9	GS							Agreed
69.10	LABOUR UPLIFT (until 12/10/07 @ 50%)			7,376	7,376			Agreed
69.11	Work Order 5A-08-02, Demobilise & Remobilise Work Site			8,933	8,933			Agreed
69.12	Work Order 5A-08-02, Artificial obstructions			273	273			Agreed
69.13	Work Order 5A-08-02, Supply Cable to Scottish Power Spec.			4,202	4,202			Agreed
69.14	Slewing cable			446	446			Agreed
CR 75								
75.1	Break out concrete for C&W diversion including concrete under Motorway signs and concrete at 3 road crossings.			3,879	3,879			Agreed
75.7	Remove concrete from Police Layby section of roundabout for C&W diversion			597	597			Agreed
75.8	Ductwork found on C&W cable not to C&W spec therefore required replacing			298	298			Agreed
75.9	Dismantle and re-erect signs to allow C&W slewing exercise			1,962	1,962			Agreed
75.11	Trial holes on twin 600mm diameter water main			313	313			Agreed
75.12	Remove block pavers 17.5m x 1m at police layby and transport and store at concrete slab area for later use.			282	282			Agreed
79.13	Remove and breakout overspill of concrete from manhole to expose existing ducts			96	96			Agreed
75.14	C&W duct to be uncovered over 1m deep for 230m. Average extra depth at 0.5m			1,858	1,858			Agreed
75.16	Purchase of cable for SP diversion			10,755	10,755			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
75.20	Two trial holes either side of SGN Gas Main to confirm C&W depth		304	304		Agreed
75.22	Erect Herras Fence c/w debris netting at police ramp		953	953		Agreed
75.24	100mm steel duct found along BAA access road (NO COST INCURRED)					Agreed
75.25	Break out reinforced concrete and old foundation of ex Inkworks		1,839	1,839		Agreed
75.26	Uplift on Labour rates for delay in original procurement and procurement strategy (NO COST)					Agreed
75.27	250mm DI crossing HP gas main (methodology only) (NO COST INCURRED)					Agreed
75.28	250mm DI crossing twin 600mm water main (Methodology only) (NO COST INCURRED)					Agreed
75.29	Cable testing (Orion)					Agreed
75.30	All disrupted plant relating to CC 75		382	382		Agreed
75.31	Moved to 28.4.55 (NO COST ON THIS CC)					Agreed
75.32	250mm Water main installation obstructed by C&W and Streetlighting cables (Methodology only) (NO COST INCURRED)					Agreed
75.33	Repair fallen Heras fencing		196	196		Agreed
75.34	Trial holes moved to 28.4.53 (NO COST INCURRED)					Agreed
75.35	A1 Jointing Invoice for 33kVA		4,705	4,705		Agreed
75.36	Issue C&W coordinates to tie (NO COST INCURRED)					Agreed
75.37	Proceed to buy 250mm ductile pipe & fittings					Agreed
75.38	Relocate site fence due to 250mm excavation(NO COST CLAIMED)					Agreed
75.39	Pump out 800mm twin water valve chambers		616	616		Agreed
75.41	Excavate 6 no. trial holes		1,136	1,136		Agreed
CR 89						
89.1	Artificial Obstructions		2,591	2,591		Agreed
89.2	Demolish Telecom chambers		921	921		Agreed
89.4	Trial Hole (power) & Artificial Obstruction.		1,266	1,266		Agreed
89.05	All disrupted plant relating to 1C-01-02		35	35		Agreed

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				Current				
Change Control	Description			AFP	Cert	Diff	%	Category
CR 90								
90.1	Marking out of DKE			1,550	1,550			Agreed
90.3	Demolish existing Virgin media JF6 chamber			942	942			Agreed
90.4	Artificial obstructions			5,674	5,674			Agreed
90.6	Artificial obstructions in diversions			2,155	2,155			Agreed
90.7	Artificial Obstructions			1,533	1,533			Agreed
90.8	Remove existing utility, abandon diversion works, additional reinstatement			3,805	1,866	-1,939	-51%	Utility Abandonment
90.10	Artificial Obstruction.			1,916	1,916			Agreed
90.11	Late change of works.			926	926			Agreed
90.12	Removal and Replacement of Kerbstones within diversionary routes.			825	825			Agreed
90.13	Re-excavation on south side connection due to initial instruction that existing 3" main did not require connection.			4,497	4,497			Agreed
90.14	Re-excavation to carry out connections on 1D/SW/D/01.			3,067	3,067			Agreed
90.15	All disrupted plant relating to 1D-05-02			611	611			Agreed
90.16	Change Order 1399- Hire a sond and locate 1D/VM/D/701a & 708a and mark duct line in relation to kerblines.			1,711	1,342	-369	-22%	Other (Non WS)
CR 99								
99.1	Assessed Elsewhere (see Master Change Control Register)							Blank
99.2	Assessed Elsewhere (see Master Change Control Register)							Blank
99.3	Assessed Elsewhere (see Master Change Control Register)							Blank
99.4	Assessed Elsewhere (see Master Change Control Register)							Blank
99.5	Trial holes at Hanover St & the Mound *** (COMBINED)			27,000	17,455	-9,545	-35%	Trial Holes
99.6	Costs Associated with Diversion 1C/MP/D/101			572,982	415,288	-157,694	-28%	Mound Gas Main
99.7	Assessed Elsewhere (see Master Change Control Register)							Blank
99.8	Assessed Elsewhere (see Master Change Control Register)							Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
99.9	Downtime due to required alterations to traffic management as instructed by tie.		1,164	1,164		Agreed
99.10	Assessed Elsewhere (see Master Change Control Register)					Blank
99.11	Completed Route proving trial holes.		47,567	47,567		Trial Holes
99.12	Drill & tap existing 6" cast iron main as suspected it could be live Gas		173	173		Agreed
99.13	Removal & Replacement of street furniture.		703	703		Agreed
99.14	All Disrupted Plant Relating to 1C-01-01		5,973	5,973		Agreed
99.15	Slewing of existing Cable & Wireless conflict 1C/CW/850 to allow construction of JRCX12 as per CVI 00752.		7,173	7,173		Slew Utilities
99.16	Drilling & Tapping of suspected gas mains as per CVI 00754.		119	119		Agreed
99.17	Nil (see Master Change Control Register)					Blank
99.18	Artificial Obstructions		1,282	1,282		Agreed
99.19	Artificial Obstructions		6,154	6,154		Artificial Obstruction
99.20	Artificial Obstructions		1,861	1,861		Agreed
99.21	Artificial Obstructions		4,509	4,509		Artificial Obstruction
99.22	Artificial Obstructions		658	658		Agreed
99.23	Artificial Obstructions		897	897		Agreed
99.24	Final Trial Hole Ref 1449 completed to determine position of 30" gas main to chamber wall and culvert.		3,313	3,313		Trial Holes
99.25	Assessed Elsewhere (see Master Change Control Register)					Blank
99.26	Assessed Elsewhere (see Master Change Control Register)					Blank
99.27	N.P.O. Associated with weekend working on 4th & 5th Oct 2008 and 18th & 19th Oct 2008.		3,295	3,295		Agreed
99.28	N.P.O. Associated with weekend working on 25th & 26th Oct 2008 and 1st & 2nd Oct 2008		2,878	2,878		Agreed
99.29	N.P.O. Associated with weekend working on 8th & 9th Nov 2008.		1,144	1,144		Agreed
99.30	Assessed Elsewhere (see Master Change Control Register)					Blank
99.31	Delay and Disruption		216	216		Agreed
99.32	Assessed Elsewhere (see Master Change Control Register)					Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
99.33	Excavation of Trial Holes (Superseded by CC 99.6)					Agreed
99.34	Assessed Elsewhere (see Master Change Control Register)					Blank
99.35	Assessed Elsewhere (see Master Change Control Register)					Blank
99.36	Delay and Disruption	141	141			Agreed
99.38	Additional works	98	98			Agreed
99.39	Nil (see Master Change Control Register)					Blank
99.40	Assessed Elsewhere (see Master Change Control Register)					Blank
99.41	Artificial Obstructions (Concrete)	3,106	3,106			Artificial Obstruction
99.42	Assessed Elsewhere (see Master Change Control Register)					Blank
99.43	Assessed Elsewhere (see Master Change Control Register)					Blank
99.44	Assessed Elsewhere (see Master Change Control Register)					Blank
99.45	Additional works	205	205			Agreed
99.46	Assessed Elsewhere (see Master Change Control Register)					Blank
99.47	Nil (see Master Change Control Register)					Blank
99.48	Artificial Obstructions	303	303			Agreed
99.49	Embargo Works					Agreed
99.50	Delay and Disruption	796	796			Agreed
99.51	Artificial Obstructions	454	454			Agreed
99.52	Assessed Elsewhere (see Master Change Control Register)					Blank
99.53	Artificial Obstruction	632	632			Agreed
99.54	Assessed Elsewhere (see Master Change Control Register)					Blank
99.55	Nil (see Master Change Control Register)					Blank
99.56	Assessed Elsewhere (see Master Change Control Register)					Blank
99.57	Assessed Elsewhere (see Master Change Control Register)					Blank
99.58	Assessed Elsewhere (see Master Change Control Register)					Blank
99.59	Artificial Obstruction	617	617			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
99.60	Artificial obstruction	1,482	1,482			Agreed
99.61	Delay and Disruption	65	65			Agreed
99.62	Artificial Obstruction	1,467	1,467			Agreed
99.63	Nil (see Master Change Control Register)					Blank
99.64	Trial Holes	404	404			Agreed
99.65	Nil (see Master Change Control Register)					Blank
99.66	Assessed Elsewhere (see Master Change Control Register)					Blank
99.67	Assessed Elsewhere (see Master Change Control Register)					Blank
99.68	Hand Digging					Agreed
99.69	Assessed Elsewhere (see Master Change Control Register)					Blank
99.70	Assessed Elsewhere (see Master Change Control Register)					Blank
99.71	Assessed Elsewhere (see Master Change Control Register)					Blank
99.72	Assessed Elsewhere (see Master Change Control Register)					Blank
99.73	Assessed Elsewhere (see Master Change Control Register)					Blank
99.74	Assessed Elsewhere (see Master Change Control Register)					Blank
99.75	Additional works	542	542			Agreed
99.76	Hand Digging					Blank
99.77	Additional Works	1,051	1,051			Agreed
99.78	Artificial Obstruction	1,025	1,025			Agreed
99.79	Abandoned Trial Hole	1,276	1,276			Agreed
99.80	Demolish of BT Box	681	681			Agreed
99.81	Artificial Obstructions	2,611	2,611			Artificial Obstruction
99.82	Assessed Elsewhere (see Master Change Control Register)					Blank
99.83	Assessed Elsewhere (see Master Change Control Register)					Blank
99.84	Assessed Elsewhere (see Master Change Control Register)					Blank
99.85	Assessed Elsewhere (see Master Change Control Register)					Blank
99.86	Nil (see Master Change Control Register)					Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
99.87	Additional works	115	115			Agreed
99.88	Hand Digging					Agreed
99.89	Delay and disruption	208	208			Agreed
99.90	Delay and Disruption	597	597			Agreed
99.91	Hand Digging					Blank
99.92	Hand Digging					Blank
99.93	Additional works	380	380			Agreed
99.94	Hand Digging / Additional works	1,930	1,930			Agreed
99.95	Additional works	1,083	1,083			Agreed
99.96	Nil (see Master Change Control Register)					Blank
99.97	Additional works	420	420			Agreed
99.98	Not claimable - Included in rates					Other (WS)
99.99	Delay and Disruption	519	519			Agreed
99.100	Nil (see Master Change Control Register)					Blank
99.101	Delay and Disruption	259	259			Agreed
99.102	Artificial Obstruction	1,369	1,369			Agreed
99.103	Assessed Elsewhere (see Master Change Control Register)					Blank
99.104	Artificial Obstructions	1,990	1,990			Artificial Obstruction
99.105	Additional Works	708	607	-101	-14%	Other (WS)
99.106	Abandoned BT Manhole	4,169	3,377	-793	-19%	Utility Abandonment
99.107	Assessed Elsewhere (see Master Change Control Register)					Blank
99.108	Delay and Disruption	295	295			Agreed
99.109	Assessed Elsewhere (see Master Change Control Register)					Blank
99.110	Assessed Elsewhere (see Master Change Control Register)					Blank
99.111	Hand Digging					Agreed
99.112	Artificial Obstructions	3,311	3,311			Artificial Obstruction
99.113						Blank
99.114	Additional Works	1,067	1,067			Agreed
99.115	Nil (see Master Change Control Register)					Blank
99.116	Assessed Elsewhere (see Master Change Control Register)					Blank
99.117	Assessed Elsewhere (see Master Change Control Register)					Blank
99.118	Assessed Elsewhere (see Master Change Control Register)					Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
99.119	Assessed Elsewhere (see Master Change Control Register)					Blank
99.120	Trial Hole	881	881			Agreed
99.121	Hand Digging					Blank
99.122	Hand Digging					Agreed
99.123	Assessed Elsewhere (see Master Change Control Register)		479	479		Other (WS)
99.124	Survey of Crawley Tunnel	479		-479	-100%	Other (WS)
99.125	CUS excavated for new Verizon Chamber	633	633			Agreed
99.126	Assessed Elsewhere (see Master Change Control Register)					Blank
99.127	Assessed Elsewhere (see Master Change Control Register)					Blank
99.128	Assessed Elsewhere (see Master Change Control Register)					Blank
99.129	Artificial Obstructions	1,573	1,573			Agreed
99.130	Assessed Elsewhere (see Master Change Control Register)					Blank
99.131	Exposed water main	1,163	1,127	-36	-3%	Other (WS)
99.132	CUS assisting archaeologist excavation	1,332	1,332			Agreed
99.133	Assessed Elsewhere (see Master Change Control Register)					Blank
99.134	Assessed Elsewhere (see Master Change Control Register)					Blank
99.135	Assessed Elsewhere (see Master Change Control Register)					Blank
99.136	Assessed Elsewhere (see Master Change Control Register)					Blank
99.137	CUS hire of Mabey plates for emergency lane	3,607	3,480	-127	-4%	Other (WS)
99.138	Assessed Elsewhere (see Master Change Control Register)					Blank
99.139	Hand Digging					Agreed
99.140	Artificial Obstructions	1,324	1,324			Agreed
99.141	CUS excavating to expose underground structure	1,056	1,056			Agreed
99.142	Delay and Disruption	214	214			Agreed
99.143	Assessed Elsewhere (see Master Change Control Register)					Blank
99.144	Delay and Disruption	970	970			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
99.145	Assessed Elsewhere (see Master Change Control Register)					Blank
99.146	CUS installed concrete protection to shallow BT Ducts	261	261			Agreed
99.147	Artificial Obstruction	3,880	3,880			Agreed
99.148	CUS installed road plates to maintain emergency lane	424	424			Agreed
99.149	CUS installed concrete protection to existing shallow services	219	219			Agreed
99.150	Use of foam concrete	1,002	1,002			Foam Concrete
99.151	Assessed Elsewhere (see Master Change Control Register)					Blank
99.152	Hand Digging					Agreed
99.153	Nil (see Master Change Control Register)					Blank
99.154	Assessed Elsewhere (see Master Change Control Register)					Blank
99.155	Hand Digging					Blank
99.156	Removal of silt from unchartered tunnels	10,120	6,566	-3,554	-35%	Tunnel Works
99.157	Assessed Elsewhere (see Master Change Control Register)					Blank
99.158	Nil (see Master Change Control Register)					Blank
99.159	Assessed Elsewhere (see Master Change Control Register)					Blank
99.160	Delay and Disruption	206	206			Agreed
99.161	CUS removed existing water mains to accommodate 24" gas main	9,694	9,694			Agreed
99.162	Assessed Elsewhere (see Master Change Control Register)					Blank
99.163	Works recorded in CC99.171					Blank
99.164	Artificial Obstructions	938	938			Agreed
99.165	Additional Works	1,862	1,862			Agreed
99.166	Additional Works	328	328			Agreed
99.167	CUS removed spoil from unchartered tunnels	2,950	2,950			Agreed
99.168	Bypass for diversion 1C2/LP/D/124	1,005		-1,005	-100%	Bypass
99.169	Assessed Elsewhere (see Master Change Control Register)					Blank
99.170	Data Logger Chamber	1,123	1,123			Other (WS)
99.171	Contingency plan arrangements (Excavation labour not included)					Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
99.172	Protecting excavation	418	418			Agreed
99.173	Hand Digging					Blank
99.174	Additional works to Craley tunnel Annex	4,815	4,815			Tunnel Works
99.175	Nil (see Master Change Control Register)					Blank
99.176	CCTV Survey of Sewer	345	345			CCTV
99.177	Demolish Existing Chamber	1,194	1,194			Agreed
99.178	Exposing traction cables	2,264	2,264			Other (WS)
99.179	Assessed Elsewhere (see Master Change Control Register)					Blank
99.180	Assessed Elsewhere (see Master Change Control Register)					Blank
99.181	Delay and Disruption	232	232			Agreed
99.182	Delay and Disruption	804	804			Agreed
99.183	Assessed Elsewhere (see Master Change Control Register)					Blank
99.184	Artificial Obstruction	420	420			Artificial Obstruction
99.185	Works in Unchartered Tunnels - Princes St	10,550		-10,550	-100%	Tunnel Works
99.186	Artificial Obstructions	1,768	1,768			Artificial Obstruction
99.187	Abandoned MRX510B	4,501		-4,501	-100%	Exc Abandonment
99.188	Emergency Incident	848	848			Other (WS)
99.189	Installation & Hire of Mabey Plates	1,593	1,330	-262	-16%	Other (WS)
99.190	CCTV Survey 30" gas main	8,378		-8,378	-100%	CCTV
99.191	Artificial Obstructions	1,997	1,997			Artificial Obstruction
99.192	Hand Digging					Blank
99.193	Artificial obstructions (Included in CC99.6)					Blank
99.194	Hand Digging					Blank
99.195	Abandoned MRX510	4,290		-4,290	-100%	Exc Abandonment
99.196	Hand Digging					Blank
99.197	CCTV Survey of Gas main	1,761		-1,761	-100%	CCTV
99.198	Assessed Elsewhere (see Master Change Control Register)					Blank
99.199	Artificial Obstructions	1,536	1,536			Artificial Obstruction
99.200	Assessed Elsewhere (see Master Change Control Register)					Blank
99.201	Hand Digging					Blank
99.202	Nil (see Master Change Control Register)					Blank
99.203	Backfill around existing pipes	180	180			Other (WS)
99.204	Pedestrian Walkway	3,211	3,211			Other (WS)
99.205	Repair of burst Water main	1,161	1,161			Other (WS)

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
99.206	Assessed Elsewhere (see Master Change Control Register)					Blank
99.207	Delay and Disruption					D&D Elsewhere
99.208	Additional Scottish Water Works	636	636			Other (WS)
99.209	Survey of BT Manholes	1,020	1,020			Other (WS)
99.210	Assessed Elsewhere (see Master Change Control Register)					Blank
99.211	Confined space team assist SW	1,827	1,827			Other (WS)
99.212	Nil (see Master Change Control Register)					Blank
99.213	Assessed Elsewhere (see Master Change Control Register)					Blank
99.214	Assessed Elsewhere (see Master Change Control Register)					Blank
99.215	Excavation for Cut and Capped Main tie in	1,276		-1,276	-100%	Other (WS)
99.216	Artificial Obstruction	2,526	2,526			Artificial Obstruction
99.217	Assessed Elsewhere (see Master Change Control Register)					Blank
99.218	Foam concrete backfill	100	100			Foam Concrete
99.219	Delay and disruption - caught in CC99.6					Blank
99.220	Site welfare - removing litter outwith site boundary	123	123			Other (WS)
99.221	Assessed Elsewhere (see Master Change Control Register)					Blank
99.222	Hand Digging					Blank
99.223	Hand Digging					Blank
99.224	Removal of Traffic Island	651	651			Other (WS)
99.225	Concrete protection to shallow Virgin Media diversion	196	196			Other (WS)
99.226	Core Drilling Manhole	1,059		-1,059	-100%	Other (WS)
99.227	Nil (see Master Change Control Register)					Blank
99.228	Installation of road plates over flooded walkway					Blank
99.229	Shoring under gas main to allow foam concrete backfill	507	507			Foam Concrete
99.230	Removal of Traffic Island	212	212			Other (WS)
99.231	Installation of communication ducts previously removed to allow gas bypass	5,342		-5,342	-100%	Utility Abandonment
99.232	Water main repair	138	138			Other (WS)

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				Current				
Change Control	Description			AFP	Cert	Diff	%	Category
99.233	Removal of pedestrian guard rail			118	118			Other (WS)
99.234	Additional reinstatement			3,095		-3,095	-100%	Other (WS)
99.235	Assessed Elsewhere (see Master Change Control Register)							Blank
99.236	Procurement of fabricated material for water tie in			1,098		-1,098	-100%	Other (WS)
99.237	Additional Works			315		-315	-100%	Other (WS)
99.238	CUS excavated at Brandon tce and Holyrood Rd in accordance with Change Order 4101							Blank
CR 100								
100.1								Agreed
100.3	Hand excavation around existing utilities							Agreed
100.4	Trial hole trenches			1,204	1,204			Agreed
100.5	Assessed Elsewhere (see Master Change Control Register)							Blank
100.6	Hand dig around utility to install 1C/BT/D/108							Agreed
100.7	Supply & Install concrete in carriageway to support existing water utility			648	648			Agreed
100.8	Artificial obstructions & abandoned excavations			10,099	10,099			Agreed
100.9	Stand down due to faulty existing utility			950	950			Agreed
100.10	Artificial obstructions, reinstatement & uncharted utilities			2,434	2,434			Agreed
100.11	Delay & disrupted diversions							Agreed
100.12	Additional Works (Artificial Obstruction & Signs)			1,322	1,322			Agreed
100.13	Artificial Obstruction.			3,201	3,201			Agreed
100.14	Additional woks to gas main			1,285	1,285			Agreed
100.15	#REF!							Agreed
100.16	Assessed Elsewhere (see Master Change Control Register)							Agreed
100.17	Night shift work to complete tie in with existing 16" water main			2,148	2,148			Agreed
100.18	Removal of Concrete from said diversion			2,389	2,389			Agreed
100.19	Investigation and removal of uncharted structure			2,022	2,022			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
100.20	Additional Reinstatement due to close proximity of diversionary works prior to MUDFA.	254	254			Agreed
100.21	Decommissioning of existing Y-branch.	819	819			Agreed
100.22	Trial Hole on conflict 1C2/LP/127	830	830			Agreed
100.23	Structural Survey on unidentified structure at junction of Princes St. & South St Andrews St.	756	756			Agreed
100.24	Artificial Obstruction	579	579			Agreed
100.25	Artificial Obstruction	1,431	1,431			Agreed
100.26	Repair damage to unchartered structure & Abandoned track for 180mm Gas Main.	1,492	1,492			Agreed
100.27	Abandoned track due to CUS realisation that new proposed location of 1C2/LP/D/122 would result in Valves located within the DKE.	1,160	1,160			Agreed
100.28	Installation of impromptu 250mm DI main to make water live.	3,029	3,029			Agreed
100.29	Nightworks required for SW connections.	4,995	4,995			Agreed
CR 103						
103.1	Archaeological Watching Brief (15 days)	1,864	1,864			Agreed
103.2	Marking out of DKE	2,584	2,584			Agreed
103.3	Additional Virgin Media works required					Agreed
103.4	Supply additional BT duct alongside diversion 7A/SW/D/03					Agreed
103.5	Remeasurable Items					Agreed
103.6	Reinstate pot holes & repair steps at Cabinet Works (ALL OTHER ITEMS RELATING TO THESE CVIs ARE CLAIMED WITHIN REMEASURE)	1,128	1,128			Agreed
103.7	Standing time due to constraints of electronic gate at the Gogar Farm Road	448	448			Agreed
103.8	Set water pipe in concrete at road entrance to Gogar Cabinet Works	613	613			Agreed
103.9	Trial Holes	1,540	1,540			Agreed
103.10	Disrupted Plant	808	808			Agreed
103.11	Hand dig around existing uncharted services	1,292	1,292			Agreed
103.12	Stand-down time due to sections being deleted					Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
103.13	TQs / CVIs with no cost impact, to be captured in remeasure					Agreed
103.14	Protection of unidentified pipe with concrete	316	316			Agreed
CR 107						
107.1	Additional THUS diversion (issued after IFC drawings (CAPTURED IN REMEASURE))					Agreed
107.2	Removal of pedestrian crossing at Jane Street (LUX AGAINST CC109.4)					Agreed
107.3	Tril hole & artificial obstruction					Agreed
107.3	Artificial obstruction	6,218	6,218			Agreed
107.4	Removal of redundant sewer pipe	146	146			Agreed
107.5	Trench collapse whilst awaiting resolutin of TQ	311	311			Agreed
107.6	TQs / CVIs with no cost impact / Re-measure Items					Agreed
107.7	Hand digging					Agreed
107.8	Remove and dispose of trees and bases	1,184	1,184			Agreed
107.9	Relay 50 linear metres of kerbs from no. 264 Leith Walk to no. 242 Leith Walk	4,476	4,476			Agreed
107.10	Disrupted Plant					Agreed
107.11	Assessed Elsewhere (see Master Change Control Register)					Blank
107.12	Trial hole for to locate route of diversion that required backfilling	346	346			Agreed
107.13	Concrete	618	618			Agreed
107.14	Artificial Obstructions & Kerb Removal	16,932	16,932			Agreed
107.15	Assessed Elsewhere (see Master Change Control Register)					Blank
107.16	Demolish Virgin Media Junction Box No. 26	85	85			Agreed
107.17	Hand Digging					Agreed
107.18	Removal of Trees	1,372	1,372			Agreed
107.19	Remove old culvert from 400mm / 180mm water trench	5,007	5,007			Agreed
107.20	Change M/H covers from footpath to roadway covers, remove brickwork and fit new CI roadway covers	736	736			Agreed
107.21	Delay awaiting instruction from SW on culvert removal	2,317	2,317			Agreed
107.22	Purchase of NAL retention socket	2,562	2,562			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
107.23	Trial Holes	954	954			Agreed
107.24	Artificial obstruction - Extra tar & concrete	411	411			Agreed
107.25	Extra reinstatement	2,676	2,676			Agreed
107.26	Remove concrete from trench	2,457	2,457			Agreed
107.27	Additional foam concrete	1,082	1,082			Agreed
107.28	Trial hole	245	245			Agreed
107.29	Assessed Elsewhere (see Master Change Control Register)					Blank
107.30	Artificial obstruction	3,386	3,386			Agreed
107.31	Running sand					Agreed
107.32	Artificial obstruction	6,676	6,676			Agreed
107.33	Artificial Obstruction	3,505	3,505			Agreed
107.34	Remove redundant cast main	281	281			Agreed
107.35	Artificial Obstruction	229	229			Agreed
107.36	Gas service alterations	673	673			Agreed
107.37	Artificial Obstruction	1,092	1,092			Agreed
107.38	Demolish Chamber	3,956	2,014	-1,941	-49%	Demolish Chamber
107.39	Artificial Obstruction	2,109	2,109			Agreed
107.40	Removal of trees	809	809			Agreed
107.41	Assessed Elsewhere (see Master Change Control Register)					Blank
107.42	Remove Concrete	410	410			Agreed
107.43	Demolish VM chamber	524	524			Agreed
107.44	Artificial Obstruction	4,321	4,321			Agreed
107.45	Trial Hole	530	530			Agreed
107.46	Assessed Elsewhere (see Master Change Control Register)					Blank
107.47	Delays due to TQs and IFC;s					Agreed
107.48	Trail hole	3,068	1,223	-1,845	-60%	Trial Holes
107.49	Assessed Elsewhere (see Master Change Control Register)					Blank
170.50	Delays to due archeologists	9,336	9,336			Agreed
170.51	Gas service alterations	1,716	1,716			Agreed
170.52	Exploratory excavation	2,958	2,958			Agreed
170.53	Drill mians	764	764			Agreed
170.54	Remedial works	380	380			Other (WS)
170.55	Remove concrete	4,096	4,096			Agreed
107.56	Nil (see Master Change Control Register)					Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
107.57	Assessed Elsewhere (see Master Change Control Register)					Blank
107.58	Nil (see Master Change Control Register)					Blank
107.59	Assessed Elsewhere (see Master Change Control Register)					Blank
107.60	Assessed Elsewhere (see Master Change Control Register)					Blank
107.61	Assessed Elsewhere (see Master Change Control Register)					Blank
170.62	Weekend Working	3,841	3,841			Agreed
170.63	Artificial obstruction	7,697	7,697			Agreed
170.64	Demolish Chamber	5,777	5,777			Agreed
107.65	Assessed Elsewhere (see Master Change Control Register)					Blank
107.66	Remove SPEN Ducts	9,791	6,696	-3,095	-32%	Utility Abandonment
107.67	Remove concrete	4,553	4,553			Agreed
107.68	Re-build sewer	2,227	2,227			Agreed
107.69	Concrete	736	736			Agreed
107.70	Removal of redundant pipe	962	962			Agreed
107.71	Build sewer access chamber	6,373	6,373			Agreed
107.72	By-Pass for Gas diversion	2,809		-2,809	-100%	Bypass
107.73	Nil (see Master Change Control Register)					Blank
107.74	Assessed Elsewhere (see Master Change Control Register)					Blank
107.75	Assessed Elsewhere (see Master Change Control Register)					Blank
107.76	Assessed Elsewhere (see Master Change Control Register)					Blank
107.77	Trial Hole	6,134	6,134			Agreed
107.78	Extra over foam concrete	2,719	2,504	-215	-8%	Foam Concrete
107.79	Additional works- Seimans power cable	4,360	2,393	-1,967	-45%	Other (WS)
107.80	Assessed Elsewhere (see Master Change Control Register)					Blank
107.81	Nil (see Master Change Control Register)					Blank
107.82	Assessed Elsewhere (see Master Change Control Register)					Blank
107.83	Remove Protecta line pipe and replace with 180mm PE	28,000	28,000			Other (WS)
107.84	Gas bypass, Trace water main	770	770			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
107.85	Assessed Elsewhere (see Master Change Control Register)					Blank
107.86	Nil (see Master Change Control Register)					Blank
107.87	Remove and replace gulleys.	6,542		-6,542	-100%	Other (WS)
107.88	Remove concrete, hand digging	4,464	4,464			Agreed
107.89	Nil (see Master Change Control Register)					Blank
107.90	Remove concrete, slewing & design change	12,257	12,257			Agreed
107.91	Assessed Elsewhere (see Master Change Control Register)					Blank
107.92	Assessed Elsewhere (see Master Change Control Register)					Blank
107.93	Doubling handling of goods					Agreed
107.94	Use of extra over foam concrete (30w BT)	3,263		-3,263	-100%	Foam Concrete
107.95	Delay, disruption and dislocation.					D&D Elsewhere
107.96	Excavate & backfill connection for SGN	3,739		-3,739	-100%	Other (WS)
107.97	Pedestrian Crossing (maderston)	4,174		-4,174	-100%	Traffic Management
107.98	Extra tar due to undermining and replace gulley pot.	536	536			Agreed
107.99	Gas service connections for future use.	2,945		-2,945	-100%	Supply Connections
107.100	Overtime due to traffice management restrictions					Agreed
107.101	Nil (see Master Change Control Register)					Blank
107.102	Nil (see Master Change Control Register)					Blank
107.103	Extra cores for coms box					Agreed
107.104	Build Temp. box	1,478	1,478			Agreed
107.105	Nil (see Master Change Control Register)					Blank
107.106	Assessed Elsewhere (see Master Change Control Register)					Blank
107.107	Weekend working overtime	2,091		-2,091	-100%	NPO
107.108	Nil (see Master Change Control Register)					Blank
107.109	Re-erect lamp post	12,571	2,267	-10,304	-82%	Other (WS)
107.110	Re-erect RTI poles	2,187	1,371	-816	-37%	Other (WS)
107.111	Removal of concrete	1,980	1,980			Artificial Obstruction
107.112	Extra coring for coms box.					Agreed
107.113	Nil (see Master Change Control Register)					Blank
107.114	Nil (see Master Change Control Register)					Blank
107.115	Hand Digging					Blank
107.116	Remove lamp posts	2,194	1,149	-1,044	-48%	Other (WS)

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
107.117	Reinstate track as per tie instruction 3669 & 3670	8,841	2,003	-6,838	-77%	Other (WS)
107.118	Remvoing ductile main from 400mm gas main for Manderston St connection.	8,765	8,765			Agreed
107.119	Assessed Elsewhere (see Master Change Control Register)					Blank
107.120	Hand Digging					Blank
107.121	Contingency plan - excavate valves.	2,522	2,522			Agreed
107.122	Hand Digging					Blank
107.123	Hand Digging					Blank
107.124	Hand Digging					Blank
107.125	Proprietary works on basses and large diameter flow stopping	7,020		-7,020	-100%	Other (WS)
107.126	Extra Track	2,958	2,958			Agreed
107.127	Assisiting Steve Vick remove cast pipe from parent main,	3,630	3,630			Agreed
107.128	Assessed Elsewhere (see Master Change Control Register)					Blank
107.129	Constructing 315mm bypass and connecting bypass to 400mm parent main.					Blank
107.130	Nil (see Master Change Control Register)					Blank
107.131	Additional track for shoring	12,995	9,607	-3,388	-26%	Other (WS)
107.132	Nil (see Master Change Control Register)					Blank
107.133	Bypasses for 180mm connection and 63mm transfer	13,781	13,781			Agreed
107.134	Nil (see Master Change Control Register)					Blank
107.135	Temp. reistatement @ Manderston Street	11,337		-11,337	-100%	Other (WS)
107.136	Additional works as per CVI 01351	1,702	741	-961	-56%	Other (WS)
107.137	Additional works as per CVI 01357	5,098	3,604	-1,494	-29%	Other (WS)
107.138	Assessed Elsewhere (see Master Change Control Register)					Blank
107.139	Nil (see Master Change Control Register)					Blank
107.140	Remove cast main (existing)	404	225	-179	-44%	Utility Abandonment
107.141	Remove buried sewer	372	339	-34	-9%	Utility Abandonment
107.142	Nil (see Master Change Control Register)					Blank
107.143	Assessed Elsewhere (see Master Change Control Register)					Blank
107.144	Hire of Marley Bridge	1,475	1,406	-68	-5%	Other (WS)
107.145	Service connection o/s No 73	441		-441	-100%	Utility Abandonment

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
107.146	Excavate and re-route Diversion 1B/BT/D/517 elsewhere with slow bends.	6,906		-6,906	-100%	Other (WS)
107.146a	Relay 4way due to Infraco damage	12,952		-12,952	-100%	Other (WS)
107.146b	Rope Fujitsu laid ducts	401		-401	-100%	Other (WS)
107.146c	Repair SW damaged ducts	8,250		-8,250	-100%	Other (WS)
107.147						Blank
107.148	Could not fit CCTV pole base in proposed location.	628	628			Other (WS)
107.149	Gas abandonment on Crown street (6")	11,355		-11,355	-100%	Utility Abandonment
107.150	Delay in testing 30 way BT due to water ingress.					D&D Elsewhere
107.151	Nil (see Master Change Control Register)					Blank
107.152	Nil (see Master Change Control Register)					Blank
107.153	Resources required to install cabinet, carry out unsuccessful trial holes & delay awaiting clarification from BT & tie.	7,104		-7,104	-100%	Trial Holes
107.154	Furher to CC107.150, CUS have incurred further delay in testing the 30way BT diversion 1B/BT/D/523 due to water ingress in the ducts.					D&D Elsewhere
107.155	Additional BT Works (not claimed in measure)	11,740	1,687	-10,053	-86%	Other (WS)
107.156	Decommissioning of 12" C/I gas from smiths place to maderson street. Including failed attempt due to all services not transferred from existing main (CUS letter 2656).	10,829		-10,829	-100%	Utility Abandonment
107.157	hand digging					Blank
107.158	Service connection (outside 193 leith walk)	924		-924	-100%	Supply Connections
107.159	Remove artificial obstruction from gas abandonemtn hole opposite the foot of the walk	1,280	1,280			Artificial Obstruction
107.160	Trial hole	278	278			Trial Holes
107.161	Provide gas detector to florists (did not happen)					Blank
107.162	Repair to gully previously damaged by SGN, as requested by tie Change Order 3893.	3,467	1,933	-1,534	-44%	Other (WS)
107.163	Assessed Elsewhere (see Master Change Control Register)					Blank
107.164	Nil (see Master Change Control Register)					Blank

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Change Control	Description	Current						Category
		AFP	Cert	Diff	%			
107.165	Remove 300mm Gas valve (previously claimed in measure to be claimed in CC as per Fiona Dunn)			5,148		-5,148	-100%	Utility Abandonment
107.166	Abandon existing valve set up on a live main. This includes inserting a tee and a fire hydrant on to a live 180mm water main.			9,780		-9,780	-100%	Utility Abandonment
CR 122								
122.5	Additional fittings & weekend working to divert unplanned existing water main			4,911		-4,911	-100%	Other (WS)
122.6	Slewing of ducts and hand dig around services			6,043	6,043			Agreed
122.7	Demolish chambers & artificial obstructions			7,117		-7,117	-100%	Artificial Obstruction
122.10	Drill 4" Main, Weekend Work, Slewing Ducts, Demolish M/H, Demolish M/H.			40,287	23,423	-16,863	-42%	Demolish Chamber
122.11	Hand Digging, Water Main Fracture, Weekend Working, Trials Holes			7,650	7,650			Trial Holes
122.12	Additional Works (Various)			4,057	4,057			Other (WS)
122.13	Assessed Elsewhere (see Master Change Control register)							Blank
122.14	Water diversion & Trial hole.			4,734	1,067	-3,667	-77%	Trial Holes
122.15	Build JRC112 THUS Box			1,548	1,548			Agreed
122.16	Assessed Elsewhere (see Master Change Control register)							Blank
122.17	Slew of ducts, slew & lower, removal of concrete & brick up tunnels.			6,454	6,454			Slew Utilities
122.18	Trial Hole, weekend working, & hand digging.			11,438	3,445	-7,993	-70%	Trial Holes
122.19	Assessed Elsewhere (see Master Change Control register)							Blank
122.20	Weekend Work			2,626	2,626			Agreed
122.21	Trial Holes			2,853	2,853			Agreed
122.22	Assessed Elsewhere (see Master Change Control register)							Blank
122.23	Assessed Elsewhere (see Master Change Control register)							Blank
122.24	Assessed Elsewhere (see Master Change Control register)							Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
122.25	Assessed Elsewhere (see Master Change Control register)					Blank
122.26	Assessed Elsewhere (see Master Change Control register)					Blank
122.27	Additional Works	1,312	1,312			Agreed
122.28	Assessed Elsewhere (see Master Change Control register)					Blank
122.29	Removal of Artificial Obstruction Removal of Sign Post	3,439	3,439			Artificial Obstruction
122.30	Assessed Elsewhere (see Master Change Control register)					Blank
122.31	Assessed Elsewhere (see Master Change Control register)					Blank
122.32	Assessed Elsewhere (see Master Change Control register)					Blank
122.33	Demolish Chamber for rebuild	1,058	1,058			Agreed
122.34	Assessed Elsewhere (see Master Change Control register)					Blank
122.35	Assessed Elsewhere (see Master Change Control register)					Blank
122.36	Assessed Elsewhere (see Master Change Control register)					Blank
122.37	Demolish of JRF106 for new JRF112	1,289	1,289			Agreed
122.38	Trial Hole abandoned for diversion 1C/BT/D/99B Outwith boundary of worksite	245	245			Agreed
122.39	Abandoned excavation due to existing 180mm Gas Main on Diversion 1C/BT/D/115 (Moved)	3,343	3,343			Agreed
122.40	Demolish chamber JF10 in order to rebuild New JF110 chamber	1,080	1,080			Agreed
122.41	Extensive existing charted/uncharted services having to be excavated around to accommodate new 12 way	6,589		-6,589	-100%	Other (WS)
122.42	Excavate around existing charted/uncharted utilities to accommodate diversion	713	713			Agreed
122.43	Emergency Repair on scottish water burst- unrelated to MUDFA works	1,583	1,583			Agreed
122.45	Replace additional tar due to the close proximity of 2 areas of previous track by non-MUDFA works	550	550			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
122.46	Removal of 3m of sewer roof as stated in CVI 3157 & 3064		3,093	3,093		Agreed
122.47	Removal Of Artificial obstruction		307	307		Agreed
122.48	All disrupted plant relating to RaT 1C/03/01		1,152	1,152		Agreed
122.49	Assessed Elsewhere (see Master Change Control register)					Blank
122.50	Assessed Elsewhere (see Master Change Control register)					Blank
122.51	Assessed Elsewhere (see Master Change Control register)					Blank
122.52	Assessed Elsewhere (see Master Change Control register)					Blank
122.53	Assessed Elsewhere (see Master Change Control register)					Blank
122.54	Rod, Rope test and Backfill track done at weekend due to Traffic Management restrictions		1,530	1,530		Agreed
122.55	Assessed Elsewhere (see Master Change Control register)					Blank
122.56	Delay to diversion due to awaiting investigation		98	98		Agreed
122.57	Assessed Elsewhere (see Master Change Control register)					Blank
122.58	Assessed Elsewhere (see Master Change Control register)					Blank
122.59	Additional Reinstatement due to undermining.		421	421		Agreed
122.60	Hand-Digging					Blank
122.60B	Hand-Digging					Blank
122.61	Assessed Elsewhere (see Master Change Control register)					Blank
122.62	Assessed Elsewhere (see Master Change Control register)					Blank
122.65	Trial hole to determin if concrete was present		1,737	1,737		Trial Holes
CR 125						
125.1	Logistics support team		215,083	215,083		Agreed
125.2	Assessed Elsewhere (see Master Change Control Register)					Blank
125.3	Assessed Elsewhere (see Master Change Control Register)					Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
125.4	nil (see Master Change Control Register)					Blank
125.5	Artificial obstruction	416	416			Agreed
125.6	Provision of additional site security					Agreed
125.7	Temporarily remove and later reinstate road crossings					Agreed
125.8	Removal of CAT posts @ Lothian Rd					Agreed
125.9	Additional signage @ Western approach Additional signage @ Lothian road					Agreed
125.10	Provision of call out service to cover rugby 12pm to 12am Sat 08/03/2008					Agreed
125.11	Assessed Elsewhere (see Master Change Control Register)					Agreed
125.12	Assessed Elsewhere (see Master Change Control Register)					Blank
125.13	Assessed Elsewhere (see Master Change Control Register)					Blank
125.14	Remove Scrap	1,122	1,122			Agreed
125.15	Unchartered Utilities, trail holes & drilling.	1,606	1,606			Agreed
125.15.1	Remove diused pipes	1,095	1,095			Agreed
125.16	Assessed Elsewhere (see Master Change Control Register)					Blank
125.17	Scaffolding outside 22 to 30 & temp works	452	452			Agreed
125.18		358	358			Other (WS)
125.19	Removal of Artificial Obstructions.	4,874	4,874			Agreed
125.20	Abandoned track due to unchartered stone culvert.	2,137	2,137			Agreed
125.21	Removal of Artificial Obstructions	1,908	1,908			Agreed
125.22	Removal of Artificial Obstructions	119	119			Agreed
125.23	Removal of Artificial Obstructions	529	529			Agreed
125.24	Removal of Artificial Obstructions	5,055	5,055			Agreed
125.25	Removal of Artificial Obstructions.	910	910			Agreed
125.26	Removal of Artificial Obstructions	652	652			Agreed
125.27	Abandoned Trial Holes	966	966			Agreed
125.28	Removal of Artificial Obstruction	3,744	3,744			Agreed
125.29	Repair Damage to Unchartered Manhole Shaft.	394	394			Agreed
125.30	Inspection & Removal of Unchartered Utility.	416	416			Agreed
125.31	Removal of Unchartered Steel Obstruction from Diversion Path.	104	104			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
125.32	Removal of Artificial Obstructions. Abandoned Trial Hole due to Inaccurate Issued for Construction Drawings.	358	358			Agreed
125.33	Removal of existing 4" cast iron from route of diversion.	1,402	1,402			Agreed
125.34	Requested to Abandon new JUF106 excavation until next stage of Traffic Management.	559	559			Agreed
125.35	Abandoned Trial Hole for new JUF106	2,172	2,172			Agreed
125.36	Remove Concrete from existing 12way BT and dig back on existing 4way Cable & Wireless to create slack to manouvre new manhole.	245	245			Agreed
125.37	Demolish Existing Joint box in diversion path	4,485	4,485			Agreed
125.38	Drill & Tap Existing 4" Water Main.	179	179			Agreed
125.39	Removal of Unchartered Power Culvert & Unchartered Fire Clay.	57	57			Agreed
125.40	Supply 20 No. 22mm Spanners for Emergency Services to use at Shandwick Place.	1,233	1,233			Agreed
125.41	Weekend working	71	71			Agreed
125.42	Artificial obstruction	1,059	1,059			Agreed
125.43	Remove rock	421	421			Agreed
125.44	Install water meter	1,911	1,911			Agreed
125.45	Trial Holes	2,349	2,349			Agreed
125.46	Additional reinstatement	491	491			Agreed
125.47	Artificial obstructions	370	370			Agreed
125.48	Remove old cast main	635	635			Agreed
125.49	Make safe existing BT cables	177	177			Agreed
125.50	Artificial Obstructions.	853	853			Agreed
125.51	Artificial Obstructions.	1,317	1,317			Agreed
125.52	Artificial Obstruction.	2,444	2,444			Agreed
125.53	Remove Artificial Obstructions.	1,580	1,580			Agreed
125.54	Remove Artificial Obstructions.	1,345	1,345			Agreed
125.55	Remove Artificial Obstructions.	300	300			Agreed
125.56	Remove Artificial Obstructions.	239	239			Agreed
125.57	Remove Artificial Obstructions.	594	594			Agreed
125.58	Remove Artificial Obstructions.	7,277	7,277			Agreed
125.59	Remove Artificial Obstructions.	11,059	11,059			Agreed
125.60	Remove Artificial Obstructions.	14,741	14,741			Agreed
125.61	Remove Artificial Obstructions.	945	945			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
125.62	Trial Hole & Drilling on Existing 10" Gas conflict - 1D/LP/D/104, to ascertain the location of the inserted 180mm PE in relation to the DKE.	304	304			Agreed
125.63	Slew & lower conflict 1D/SP/20 to adequate cover by; Shutting of live 4" water main, cutting section of main, lower said conflict, then replacing section of water main.	355	355			Agreed
125.64	Drill & tap existing 15" cast iron main.	96	96			Agreed
125.65	Remove 12 x spiked Scottish Power cables, cut to length and place in specified skip for collection by Scottish Power every night. (Jackie Paton tie has verified duration as per RS 02318)	6,398	5,671	-728	-11%	Utility Abandonment
125.66	Remove existing (dead) valve & fire hydrant covers, then reinstate trench.	1,105	1,105			Agreed
125.67	Extra excavation required in order to manouvre; a buried unchartered sewer shaft and 2 x unchartered Scottish Power ducts.					Agreed
125.68	Demolish JRF14.	2,071	2,071			Agreed
125.69	Abandoned track due to close proximity of lead joint and bend.	1,955	1,955			Agreed
125.70	Removal & Reinstatement of Cathness Slabs.	4,111		-4,111	-100%	Other (WS)
125.71	Delay, Disrupted and Dislocated Works; Shandwick Place (Canning Street).					Agreed
125.72	Drill and tap then remove existing cast mains from route of diversion.	422	422			Agreed
125.73	Hand Digging.					Agreed
125.75	removal of existing cast iron mains.	354	354			Agreed
125.74	Additional fittings for supply connections.	331	331			Agreed
125.76	Additional materials to make safe around existing scaffolding.	5,708		-5,708	-100%	Other (WS)
125.77	Abandoned track due to two unchartered shafts.	4,153	4,153			Agreed
125.78	Bricking up unchartered sewer shaft.	779	779			Agreed
125.79	Artificial Obstruction.	846	846			Agreed
125.80	Artificial Obstruction.	1,099	1,099			Agreed
125.81	Artificial Obstruction.	457	457			Agreed
125.82	Artificial Obstruction.	276	276			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
125.83	Artificial Obstruction.	4,894	4,894			Agreed
125.84	Artificial Obstruction.	399	399			Agreed
125.85	Remove Artificial Obstruction.	7,789	7,789			Agreed
125.86	Assisting sewer survey	945	945			Agreed
125.87	Slewing existing ducts into new MRX404.	2,147	2,147			Agreed
125.88	nil (see Master Change Control Register)					Blank
125.89	Hand digging around unchartered 180mm Gas connections at Stafford Street.	958	958			Agreed
125.90	2 No. Trial Holes on two unchartered 4" C/I mains to verify whether they were supply connections.	491	491			Agreed
125.91	Trial Hole on unchartered 6" cast iron to verify whether the service had to be transferred.	391	391			Agreed
125.92	Nightworks N.P.O.	6,018	5,196	-822	-14%	NPO
125.93	Nightworks to transfer 3" & 4" supply connections onto new 125mm main.	819	819			Agreed
125.94	Additional fittings for supply connections.	2,678		-2,678	-100%	Supply Connections
125.95	Downtime incurred during changing formation of additional 4 x 150mm Rigiducts.	477	477			Agreed
125.96	Removal of Reinforced Concrete.	8,000	8,000			Agreed
125.97	Remove Artificial Obstructions.	375	375			Agreed
125.98	Remove Artificial Obstructions.	1,058	1,058			Agreed
125.99	Remove Artificial Obstructions.	1,290	1,290			Agreed
125.100	Remove Artificial Obstructions.	1,439	1,439			Agreed
125.101	Remove Artificial Obstructions.	659	659			Agreed
125.102	Remove Artificial Obstructions.	1,614	1,614			Agreed
125.103	Additional foam concrete & reinstatement due to overbreak of existing cobbles.	5,893	5,893			Agreed
125.104	Additional foam concrete & reinstatement due to overbreak of existing cobbles.	747	747			Agreed
125.105	N.P.O and sleep time for carrying out water connections at night.	3,110	3,110			Agreed
125.106	All disrupted plant relating to 1D/04/01	41,174		-41,174	-100%	Disrupted Plant
125.107	Assessed Elsewhere (see Master Change Control Register)					Blank
125.108	Remove Artificial Obstructions.	1,365	1,365			Agreed
125.109	City Sweep requested by tie due to Stafford street market on Saturday 7th June.	57	57			Agreed

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
125.110	Trial Hole requested to speed up the planning process for Scottish Water Diversions between Lothian Road and South Charlotte Street.	994	994			Agreed
125.111	Removing temporary tar outside scaffolding to prepare for permanent reinstatement.	760	760			Agreed
125.112	Remove concrete from around gully to allow a route for diversions - 1D/CW/D/05 & 1D/BT/D/34.	284	284			Agreed
125.113	Additional Reinstatement due to two unchartered concrete shafts.	2,613	2,613			Agreed
125.114	Additional Blank Plate requested by TQ/UTL/577.	145	145			Agreed
125.115	Hand digging around existing unchartered gas supply connections and hand digging around existing chartered/ unchartered water supply connections.	1,012	1,012			Agreed
125.116	Raising of existing buried sewer shaft to ground level.	1,389	1,389			Agreed
125.117	Essential weekend working & hire of specialist shoring.	4,561		-4,561	-100%	Other (WS)
125.118	Drill and tap existing 3" C/I main then subsequently remove.	326	326			Agreed
125.119	Removal of footway blister to progress works.	2,944	2,944			Agreed
125.120	Assessed Elsewhere (see Master Change Control Register)					Blank
125.121	Repair existing 4" cast iron water main - conflict 1D/SW/D/18.	291	291			Agreed
125.122	Artificial Obstruction.	1,843	1,843			Agreed
125.123	Remove Artificial Obstructions.	6,222	6,222			Agreed
125.124	Remove Artificial Obstructions.	2,864	2,864			Agreed
125.125	Remove Artificial Obstructions.	976	976			Agreed
125.126	Remove Artificial Obstructions.	1,809	1,809			Agreed
125.127	Remove Artificial Obstructions.	2,129	2,129			Agreed
125.128	Remove Artificial Obstructions.	792	792			Agreed
125.129	Remove Artificial Obstructions.	846	846			Agreed
125.130	Remove Artificial Obstructions.	1,208	1,208			Agreed
125.131	Remove Artificial Obstructions.	321	321			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
125.132	Assessed Elsewhere (see Master Change Control Register)					Blank
125.133	Delay, Disruption and Dislocation					Agreed
125.134	Demolish JUF6 to construct JBF10 (south side). Demolish FW 3 to construct JBF6 (north side).	2,179	2,179			Agreed
125.135	CUS where instructed to move the 500mm Gas diversion a minimum of 750mm from cellars (tie 0302). This has resulted in the main being within the DKE at certain points. Prior to this CUS had already backfilled 105 metres of both 500mm gas & 180mm water. It is noted in TQ's 571 & TQ 580 that this issue arose due to failure in IFC design.	34,918		-34,918	-100%	Utility Abandonment
125.136	Assessed Elsewhere (see Master Change Control Register)					Blank
125.137	Assessed Elsewhere (see Master Change Control Register)					Blank
125.138	Assessed Elsewhere (see Master Change Control Register)					Blank
125.139	Assessed Elsewhere (see Master Change Control Register)					Blank
125.140	Delay, disruption & dislocation					D&D Elsewhere
125.141	Screed 95 Shandwick PI doorway to make good puddle.	195	195			Agreed
125.142	nil (see Master Change Control Register)					Blank
125.143	Assessed Elsewhere (see Master Change Control Register)					Blank
125.144	Decommission of approx 15m of 315mm Gas pipe	278	278			Agreed
125.145	Artificial Obstruction within excavation for 180mm Gas bypass	737	737			Other (WS)
125.146		1,123	1,123			Agreed
125.147		369	369			Agreed
125.148		317	317			Agreed
125.149	Artificial Obstruction within Gas Bypass excavation (bypass claimed in measure)	1,175	1,175			Agreed
125.150	Assessed Elsewhere (see Master Change Control Register)					Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
125.151	Down Time due to Artificial Obstructions	1,406	1,406			Agreed
125.152	Hand Digging					Agreed
125.153	Construction of temporary Virgin Media chamber related to TQ 703.	2,762	2,762			Agreed
125.154	nil (see Master Change Control Register)					Blank
125.155	Assessed Elsewhere (see Master Change Control Register)					Blank
125.156	Stand down of gully pot renewal due to meeting with Tie & C.E.C.	371	371			Agreed
125.157	Construction of 1No Reinforced slab	3,028	200	-2,828	-93%	Other (WS)
125.158	Additional fittings for supply connections.	206	206			Agreed
125.159	Construct 4 x base and erect 4 x 'B' type cabinets for virgin media	7,828	5,364	-2,463	-31%	Other (WS)
125.160	Artificial Obstructions (Concrete)	397	397			Agreed
125.161	Double handling of spoil due to restricted work space					D&D Elsewhere
125.162	Double handling of spoil due to restricted work space					Agreed
125.163	Excavating Joint Bays for Scottish Water	439	439			Agreed
125.164	Abandoned Trial Hole	70	70			Agreed
125.165	Additional Reinstatement due to poor existing road surface.	6,163	6,163			Agreed
125.166	Assessed Elsewhere (see Master Change Control Register)					Blank
125.167	Artificial Obstruction	741	741			Agreed
125.168	Abandoned Excavations due to late alterations to SW diversions prior to embargo.	15,000	15,000			Exc Abandonment
125.169	Artificial Obstructions	85	85			Agreed
125.170	Artificial Obstructions	2,685	2,685			Agreed
125.171	Construct 1nr Reinforced concrete slab to protect unchartered sewer shaft.	2,403	2,403			Agreed
125.172	Provisions to made to allow for protest march on 10/01/2009 at Lothian Road Junction.	240	240			Agreed
125.173	Assessed Elsewhere (see Master Change Control Register)					Blank
125.174.1	Completion of trial hole - 13/01/2009 and Artificial Obstructions within.	2,451		-2,451	-100%	Trial Holes
125.174.2	Completion of 2 nr trial holes - 09/01/2009 & 12/01/2009, plus Artificial Obstructions.	3,916		-3,916	-100%	Trial Holes

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
125.174.3	Completion of 4nr Trial Holes & Artificial Obstructions removed.	8,430	7,181	-1,249	-15%	Trial Holes
125.174.4	Completion of final trial hole.	720		-720	-100%	Trial Holes
125.175	Additional Hours to enable completion of trial hole at Lothian Road Junction on 09/01/2009.	293	293			Agreed
125.176	Drilling of Unidentified mains	271	271			Agreed
125.177	nil (see Master Change Control Register)					Blank
125.178	Instruction for a team to remain unproductively at Lothian Road / Princes St Junction due to camera crew attending site.	507	507			Agreed
125.179	Unproductive resources due to unchartered structure in trial hole.	240	240			Agreed
125.180	Delay for 3 man team due to early completion of trial hole program.	347	347			Agreed
125.181	Additional 2way traffic light ducts laid at Lothian Road to assist Infracore at later date.	6,888	6,888			Agreed
125.182	Additional labourer instructed to manage traffic.	345	345			Agreed
125.183	Assessed Elsewhere (see Master Change Control Register)					Blank
125.184	Assessed Elsewhere (see Master Change Control Register)					Blank
125.185	Assessed Elsewhere (see Master Change Control Register)					Blank
125.186	Failure of tie to issue pedestrian crossing instruction & Phase 3 TM	5,730	5,730			Other (WS)
125.187	Removal of Redundant Cast Main to facilitate diversion	236	236			Agreed
125.188	Altering Pedestrian Crossing at South Charlotte St.	374	374			Agreed
125.189	Operatives aiding Traffic Management Switchover to enable excavation to commence.	1,860	1,860			Agreed
125.190	Assessed Elsewhere (see Master Change Control Register)					Blank
125.191	nil (see Master Change Control Register)					Blank
125.192	nil (see Master Change Control Register)					Blank
125.193	Assessed Elsewhere (see Master Change Control Register)					Blank

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Change Control	Description	Current					Category
		AFP	Cert	Diff	%		
125.194	Assessed Elsewhere (see Master Change Control Register)						Blank
125.195	Artificial Obstruction	8,760	8,760				Artificial Obstruction
125.196	Emergency repair to fragile SW 4 inch main to mitigate further delay.	1,310	1,310				Other (WS)
125.197	Temporary Reinstatement	5,690	5,690				Other (WS)
125.198	Abandoned Trial Holes as TQ No. 1396	920		-920	-100%		Trial Holes
125.199	Artificial Obstruction	8,882	8,882				Artificial Obstruction
125.200	Artificial Obstruction	12,424	12,424				Artificial Obstruction
125.201	Crown Engineering removal of structural steel from 3 no. 450mm Road Crossings.	3,012	3,012				Other (WS)
125.202	Sacrificed shoring to maintain public safety.	927	927				Other (WS)
125.203	Assessed Elsewhere (see Master Change Control Register)						Blank
125.204	Drilling of Unidentified mains	482	211	-271	-56%		Other (WS)
125.205	Re-excavation of Valves o/s "House of Frasers to enable Swabbing.	13,785		-13,785	-100%		Other (WS)
125.206	Re-excavation o/s "Boots" to enable transfer of cross connection from existing 12" to new 355 PE.	981	981				Other (WS)
125.207	Re-excavation for 15" connection at South Charlotte St.	2,552	2,552				Other (WS)
125.208	1D/SW/D/01 Re-excavtion of Valve 19 to enable Swabbing.	1,727	1,727				Other (WS)
125.209	Re-excavation to enable 10" connection to conflict 1D/SW/02 & removal of cast.	3,210	3,210				Other (WS)
125.210	Concrete in Connection to 15" South Charlotte.	307		-307	-100%		Artificial Obstruction
125.211	Concrete in cross Connection o/s "Boots".	765		-765	-100%		Artificial Obstruction
125.212	Concrete in excavation o/s "The House of Frasers".	8,629		-8,629	-100%		Artificial Obstruction
125.213	Concrete in excavation for Valve 19 as per 4th Revision Schematic.	1,346		-1,346	-100%		Artificial Obstruction
125.214	Concrete in excavation for tie-in point to existing 10" at South Charlotte.	2,806		-2,806	-100%		Artificial Obstruction
125.215	Additional reinstatement.	286		-286	-100%		Other (WS)
125.216	TM switch delayed due to Infraco.	343	343				Other (WS)
125.217	Artificial Obstruction	696	696				Artificial Obstruction

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Change Control	Description	Current				Category		
		AFP	Cert	Diff	%			
125.218	CUS Aiding Crown Engineerings Burning / Removal of unchartered steel structure from route of 3 no. 450mm SW crossings.			6,405	4,991	-1,414	-22%	Other (WS)
125.219	Reinforced Concrete & Extra Over Tar in route of 9" & 3" connections at South Charlotte St.			3,011	3,011			Artificial Obstruction
125.220	Assessed Elsewhere (see Master Change Control Register)							Blank
125.221	Resources required to connect to existing 15"; cut & cap existng 4" main ; install 80mm SV & Washout then install thrust block as requested.			13,489	2,054	-11,435	-85%	Other (WS)
125.222	Concrete within excavation for 15" & 5" connections at Lothian Road.			7,324		-7,324	-100%	Artificial Obstruction
125.223	Drilling of Unidentified mains			892	892			Other (WS)
125.224	The street outside the MUDFA Yard was closed by the police on Sat 20th Aug, as a result the Grab Wagon was not capable to leaev the Yard. As the operatives where there to backfill work was on hold until 10:30 am.			519	-317	-837	-161%	Other (WS)
125.225	Concrete within excavation for additional works.			4,451	4,451			Artificial Obstruction
125.226	Hand Digging for 8" fire connection.							Blank
125.227	Temporary Backfill due to Health & Safety.			169	169			Other (WS)
125.228	Re-excavation of Sluice Valves & removal of 45 deg bends to enable swabbing of 3 no. 450mm PE Road crossings.			7,030	7,030			Other (WS)
125.229	Assessed Elsewhere (see Master Change Control Register)							Blank
125.230	Removal of Cast & 10 no. SP cables to enable 1D/SW/D/01, SW/D/04 & 1D/SW/D/05			329	196	-132	-40%	Utility Abandonment
125.231	Extrra Over width within 1D/SW/D/02 & 04 required to enable support to uncharted structure. Adjusted based on discussions			427	427			Other (WS)
125.232	Reducing & Rebuilding SV chambers to enable chlorination & swabbing.			730	730			Other (WS)
125.233	Assessed Elsewhere (see Master Change Control Register)							Blank
125.234	Assessed Elsewhere (see Master Change Control Register)							Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
125.235	Assessed Elsewhere (see Master Change Control Register)					Blank
125.236	Additional Inline flow meter requested by tie to be installed on the new 355mm PE water at Princes St.	4,419	2,576	-1,843	-42%	Other (WS)
125.237	Reinstated Trial Holes awaiting approval of adequate TM for additional work.	5,414		-5,414	-100%	Trial Holes
125.238	Completion of abandonment of 15" cast gas at Shandwick Place as requested by tie Change Order 5303.	10,659		-10,659	-100%	Utility Abandonment
125.239	installalation of additional pedestrian walkway on Princes St.	396	396			Other (Non WS)
125.240	Delay awaiting tie/Infraco TM switch as agreed.					D&D Elsewhere
125.241	Initial Trial Hole investigation around Gas abandonments as per tie Change Order 5303 and artificial obstruction within excavations.	3,718	3,718			Artificial Obstruction
125.242	Additional Reinstatement non MUDFA related.	1,781	1,781			Other (WS)
125.243	Assessed Elsewhere (see Master Change Control Register)					Blank
125.244	Cancellation of 3 no. radius system teams planned for 01st & 02nd October 2009. (continuation of SGN/tie indemnity issue)	3,133	3,133			Other (WS)
125.245	nil (see Master Change Control Register)					Blank
125.246	Removal of Concrete	1,451		-1,451	-100%	Artificial Obstruction
125.247	Assessed Elsewhere (see Master Change Control Register)					Blank
125.248	Assessed Elsewhere (see Master Change Control Register)					Blank
125.249	Hand Digging around existing SP traction cables.					Blank
125.250	Double Handling Spoil & Backfill from Lothian Road / Princes St to Haymarket required until CUS gained possession of the main site compound on the North Bound carriageway of Princes St from Infraco.	3,586		-3,586	-100%	Other (WS)
125.251	Requirement for use of 6m3 + EO foam concrete for o/s no 1-3 Shandwick Place and Canning St.	300	300			Foam Concrete

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
CR 129						
129.7	Logistic support	63,694	63,694			Logistic Support
129.8	Nil (see Master Change Control Register)					Blank
129.9	Abandoned track including hand digging	3,839		-3,839	-100%	Exc Abandonment
129.10	Abandoned trial holes	1,480	1,480			Agreed
129.11	Abandoned Trial Holes	3,206	3,206			Exc Abandonment
129.12	Removal of road signage	82	82			Agreed
129.13	Removal of Artificial Obstructions (concrete)	1,307	1,307			Agreed
129.14	Artificial Obstructions (concrete)	2,581	2,581			Artificial Obstruction
129.15	Removal of artificial obstructions (cast iron)	235	235			Agreed
129.16	Removal of artificial obstructions (cast iron)	271	271			Agreed
129.17	Hand digging					Agreed
129.18	Hand digging					Agreed
129.19	Hand Digging					Agreed
129.20	Hand Digging					Agreed
129.21	Artificial Obstructions (concrete and excess carriage way)	4,181	4,181			Artificial Obstruction
129.22	Artificial Obstruction (Concrete)	2,581	2,581			Agreed
129.23	Removal of artificial obstructions (cast iron)	263	263			Agreed
129.24	Abandoned Track	1,147	1,147			Agreed
129.25	Artificial obstructions (abandoned underground structure)	1,007	1,007			Agreed
129.26	Hand Digging					Blank
129.27	Hand Digging					Agreed
129.28	Hand Digging					Blank
129.29	Hand Digging					Agreed
129.30	Hand Digging					Blank
129.31	Demolishing Virgin Media Box	386	386			Agreed
129.32	Hand digging					Blank
129.33	Hand Digging (Multi diversional works)					Blank
129.34	Gas connection abandoned due to condition of existing main	790	790			Agreed
129.35	Delay, disruption and dislocation due to TM					D&D Elsewhere
129.36	Nil (see Master Change Control Register)					Blank
129.37	Reinstating information poles					Agreed
129.38	Duct protection replacement	855	855			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
129.39	Removal and replacement of slabs to enable required compaction of diversions	1,698	1,698			Agreed
129.14	Nil (see Master Change Control Register)					Other (WS)
129.41	Artificial obstructions	2,329	2,329			Artificial Obstruction
129.42	Trial hole and artificial obstructions	1,760	1,760			Agreed
129.43	Removal of sign posts	238	238			Agreed
129.44	Assessed Elsewhere (see Master Change Control Register)					Blank
129.45	Assessed Elsewhere (see Master Change Control Register)					Blank
129.46	Assessed Elsewhere (see Master Change Control Register)					Blank
129.47	Use of Gully Sucker					Agreed
129.48	Nil (see Master Change Control Register)					Blank
129.49	Assessed Elsewhere (see Master Change Control Register)					Blank
129.50	Assessed Elsewhere (see Master Change Control Register)					Blank
129.51	Abandoned Trial Hole	572	572			Agreed
129.52	Assessed Elsewhere (see Master Change Control Register)					Blank
129.53	Assessed Elsewhere (see Master Change Control Register)					Blank
129.54	Abandoned Trial holes	2,461	2,461			Exc Abandonment
129.55	Assessed Elsewhere (see Master Change Control Register)					Blank
129.56	Abandoned Track	2,364		-2,364	-100%	Exc Abandonment
129.57	Trial Holes	387	387			Agreed
129.58	Removal of road signage	268	268			Agreed
129.59	Assessed Elsewhere (see Master Change Control Register)					Blank
129.60	Removal of road signage	135	135			Agreed
129.61	Abandoned Track					Agreed
129.62	Hand digging due over congested tracks					Blank
129.63	Hand digging due over congested tracks					Blank
129.64	Emergency repair to Scottish Water fire hydrant - damaged by no direct fault of CUS	218	218			Agreed
129.65	Abandoned track due to over congestion	2,776	2,776			Agreed
129.66	Gas connection - Down Time					Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
129.67	Assessed Elsewhere (see Master Change Control Register)					Blank
129.68	Use of foam concrete	1,002	1,002			Agreed
129.69	Assessed Elsewhere (see Master Change Control Register)					Blank
129.70	Assessed Elsewhere (see Master Change Control Register)					Blank
129.71	Trial holes	196	196			Agreed
129.72	Assessed Elsewhere (see Master Change Control Register)					Blank
129.73	Removal of lamp standards	537	537			Agreed
129.74	Assessed Elsewhere (see Master Change Control Register)					Blank
129.75	Nil (see Master Change Control Register)					Blank
129.76	Hand digging due to excessive congestion					Blank
129.77	Assessed Elsewhere (see Master Change Control Register)					Blank
129.78	Trial Holes	4,104		-4,104	-100%	Trial Holes
129.79	Double Handling of Materials					D&D Elsewhere
129.80	Use of concrete due to shallow depth	1,283	1,283			Agreed
129.81	Assessed Elsewhere (see Master Change Control Register)					Blank
129.82	Downtime due to a telecoms duct obstructing SP diversion	245	245			Agreed
129.83	Assessed Elsewhere (see Master Change Control Register)					Blank
129.84	Assessed Elsewhere (see Master Change Control Register)					Blank
129.85	Assessed Elsewhere (see Master Change Control Register)					Blank
129.86	Excessive hand digging					Agreed
129.87	Artificial Obstructions - Part of embargo works.					Artificial Obstruction
129.88	Uncover gas connection area					Agreed
129.89	Removal of lamp posts	492	492			Agreed
129.90	Assessed Elsewhere (see Master Change Control Register)					Blank
129.91	Assessed Elsewhere (see Master Change Control Register)					Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
129.92	Trial Holes	2,683		-2,683	-100%	Trial Holes
129.93	Excessive hand digging					Blank
129.94	Excessive hand digging week ending 13/02/2009					Blank
129.95	Slew 4 way cable and wireless	5,854	5,854			Agreed
129.96	Artificial Obstructions on structure	4,598	4,598			Agreed
129.97	Removal of brick and steel structure	5,812	5,812			Artificial Obstruction
129.98	Disrupted Plant	11,055		-11,055	-100%	Disrupted Plant
129.99	Shoring [not incl shoring hire cost (separate cost build up)]	3,678	3,678			Other (WS)
129.100	Removal of Cast Iron Pipes					Agreed
129.101	Gas Bypass on York Place					Blank
129.102	Demolish box	225	168	-57	-25%	Demolish Chamber
129.103	Demolish box	457	457			Demolish Chamber
129.104	Hand digging for weekending 20/02/2009					Blank
129.105	Hand digging week ending 27/02/2009					Blank
129.106	Assessed Elsewhere (see Master Change Control Register)					Blank
129.107	Assessed Elsewhere (see Master Change Control Register)					Blank
129.108	Assessed Elsewhere (see Master Change Control Register)					Blank
129.109	Exposing power cables	214	214			Agreed
129.110	Breaking away concrete	393	393			Agreed
129.111	Removal and replacement of steel plates	1,339	1,339			Agreed
129.112	Assessed Elsewhere (see Master Change Control Register)					Blank
129.113	Gas bypass o/s Harvey Nichols					Blank
129.114	Removal of traffic signal	93	93			Agreed
129.115	Assessed Elsewhere (see Master Change Control Register)					Blank
129.116	Assessed Elsewhere (see Master Change Control Register)					Blank
129.117	Assessed Elsewhere (see Master Change Control Register)					Blank
129.118	Assessed Elsewhere (see Master Change Control Register)					Blank
129.119	Artificial Obstructions	234	234			Agreed
129.120	Artificial obstructions	771	771			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
129.121	Artificial Obstructions	2,326	2,326			Agreed
129.122	Extra removal of sub structure	357	357			Agreed
129.123	Hand digging W/E 06/03/2009					Blank
129.124	Hand digging for week ending 13/03/2009					Blank
129.125	Steel cutting on under ground structure	1,584	1,584			Agreed
129.126	Trial Holes	852	852			Agreed
129.127	Abandoned track and artificial obstructions	3,140	3,140			Agreed
129.128	Artificial Obstructions	1,876	1,876			Agreed
129.129	Artificial Obstructions	2,243	2,243			Agreed
129.130	Slew and lower 4 way verizion ducts. Item was slewed in order to build a coms box- track from which ducts were slewed was not recovered anywhere. Withdrawn					Artificial Obstruction
129.131	Artificial obstructions	1,350	1,350			Agreed
129.132	Assessed Elsewhere (see Master Change Control Register)					Blank
129.133	Assessed Elsewhere (see Master Change Control Register)					Blank
129.134	Hand digging w/e 20/03/2009					Blank
129.135	Hand digging w/e 27/03/2009					Blank
129.136	Abandoned Tracks		6,830	6,830		Exc Abandonment
129.137	Slew 1 way verision and 1 way cable and wireless REVISED RATE TO WITH 25% UPLIFT FOR SLEW.	4,031	4,031			Slew Utilities
129.138	Split ducting	183	183			Agreed
129.139	Foam Concrete	3,191	3,191			Agreed
129.140	Demolish vergin media boxes	1,430	1,430			Agreed
129.141	Assessed Elsewhere (see Master Change Control Register)					Blank
129.142	Artificial Obstruction within 1C2/SP/JB/10, Scottish Power Joint Bay at Dublin St.	4,423		-4,423	-100%	Artificial Obstruction
129.143	Artificial Obstructions	3,551	3,551			Agreed
129.144	Demolish Virgin Media box o/s Harvey Nichols	382	382			Agreed
129.145	Removal of Traffic Signal	339	339			Agreed
129.146	Gas Bypass on Princes Street					Blank
129.147	Repair to cellar	1,313	1,313			Other (WS)
129.148	Water bypass to allow continuation of new diversions	5,034	2,000	-3,034	-60%	Bypass

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
129.149	Water bypass to allow gas connection	6,708	2,000	-4,708	-70%	Bypass
129.150	Assessed Elsewhere (see Master Change Control Register)					Blank
129.151	Assessed Elsewhere (see Master Change Control Register)					Blank
129.152	Assessed Elsewhere (see Master Change Control Register)					Blank
129.153	Repair water main	100	100			Other (WS)
129.154	Gas bypass at North St Andrews Lane					Blank
129.155	Gas Bypass o/s Zest					Blank
129.156	Gas bypass at North St Andrews square					Blank
129.157	Gas bypass South St Andrews Square					Blank
129.158	Gas bypass O/S Tiles Bar					Blank
129.159	Gas bypass at West Register Street					Blank
129.160	Foam concrete o/s tiles bar	150	150			Foam Concrete
129.161	Gas bypass o/s Barcley's Bank					Blank
129.162	Povision of walkways	3,156		-3,156	-100%	Traffic Management
129.163	Cut and Cap Water Mains	1,814		-1,814	-100%	Utility Abandonment
129.164	Steel plates over power	366	366			Other (WS)
129.165	Removal of uncharted ducts	149	149			Utility Abandonment
129.166	Demolish and remove link box	143	143			Demolish Chamber
129.167	Assessed Elsewhere (see Master Change Control Register)					Blank
129.168	Assessed Elsewhere (see Master Change Control Register)					Blank
129.169	Trial holes on York Place	2,754	2,754			Trial Holes
129.170	Assessed Elsewhere (see Master Change Control Register)					Blank
129.171	Foam Concrete	300		-300	-100%	Foam Concrete
129.172	Hand digging due to existing services					Blank
129.173	Demolish boxes	906	906			Demolish Chamber
129.174	Erecting rino fencing for advertisement space for stakeholder during festival	238	238			Other (Non WS)
129.175	Standdown resoures due to noise levels	968	250	-718	-74%	Other (WS)
129.176	Abandoned 6 way virgin media	898	500	-398	-44%	Utility Abandonment
129.177	Assessed Elsewhere (see Master Change Control Register)					Blank
129.178	Service connections	6,129		-6,129	-100%	Supply Connections

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
129.179	A1 Jointing Ltd for jointing works	4,243	4,243			Other (WS)
129.180	Slew 3 way thus ducts for 1c2/sp/d/02	12,738		-12,738	-100%	Slew Utilities
129.181	Hand Digging					Blank
129.182	Obsticals obstructing 1C2/SP/D/02	583	583			Artificial Obstruction
129.183	Proof of diversion	334		-334	-100%	Other (WS)
129.184	Provision of walkway	823		-823	-100%	Traffic Management
129.185	Assessed Elsewhere (see Master Change Control Register)					Blank
129.186	Artificial Obstructions	625	625			Artificial Obstruction
129.187	Hand Digging					Blank
129.188	Artificial obstruction - Excess carraigeway	1,352	1,352			Artificial Obstruction
129.189	Requirement to demolish and rebuild a Thus CW2 chamber to facilitate diversion 1C/SP/D/02.	2,629	613	-2,016	-77%	Demolish Chamber
129.190	Carry out additional duct testing on South St Andrews / Princes St at night.	1,016		-1,016	-100%	Other (WS)
129.191	CUS were required to remove silt from duct route originally laid in 2007.	1,718		-1,718	-100%	Other (WS)
CR 144						
144.1	Purchase materials In the event of Scottish Water Outage					Agreed
144.2	800mm Water Main trial holes	4,277		-4,277	-100%	Trial Holes
144.3	Purchase 800mm Water Main materials					Agreed
144.4	Purchase 800mm Water Main materials					Agreed
144.5	Purchase 800mm Water Main materials					Agreed
144.6	Supply Call-off materials as required					Agreed
144.7	Installation of 800mm water main at Gogar Depot Site.	1,838,000	1,838,000			Agreed
144.9	Bactec Survey	7,643	7,643			Agreed
144.23	800mm diameter water main backfill at Gogar Depot					Agreed
144.34	100 ton of Crusher Run for Gogar haul rd.	3,115	3,115			Agreed
144.35	Supply vacum/jetter machine	2,113	2,113			Agreed
144.36	Excavate drainage channel	1,261	1,261			Agreed
144.37	Disconnect and reconnect 600mm main	1,109	1,109			Agreed
144.38	Slew 3w CW and remove 250DI water main (70)	6,010	1,493	-4,518	-75%	Slew Utilities

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
144.63	Provision of Red Line Drawings		4,218	4,218		Other (Non WS)
CR 149						
149.4	Trial Holes, Artificial Obstructions	3,594	3,594			Agreed
149.06	Remove Reinforced Concrete from existing 12way BT duct line.	360	360			Agreed
149.07	Remove 450mm D/I to validate bedding.					Other (WS)
149.08	Trial Holes Requested by Scottish Power	530	530			Agreed
149.14	Additional Excavations & Traffic Management due to the existing 450mm Water Main bursting because of absence of Thrust Block.	3,727	3,727			Agreed
149.15	Abandoned Trial Hole for Transmission Cables & Pilots.	389	389			Agreed
149.16	Abandoned trial hole due to not locating existing pilots.	766	766			Agreed
149.17	Abandoned Trial Holes to Ascertain Depths of Existing Power.	3,441	3,441			Agreed
149.18	Removal of Concrete.	290	290			Agreed
149.22	Removal of central reserve at junction of South Gyle Access and Bankhead Drive - Now CC166					Agreed
149.23	Abandoned trial hole and extra carriageway excavation as per original 450mm water tie-in point that is now abandoned.	1,075	1,075			Agreed
149.24	Downtime associated with hand digging around existing gas mains & related downtime waiting on SGN supervision.	1,602	1,602			Agreed
149.25	Demolish JRF6 to build JUF110 in location.	1,097	1,097			Agreed
149.26	Slewing existing ducts from route of diversion.	592	592			Agreed
149.27	Checking route of conflict 5B/TE/01 with drain rods & sonde. (cost to be mitigated against gain share reference 29)	131	131			Agreed
149.28	Trial Hole requested by tie to check whether it would be possible for the 450mm water main to tie-in to existing before the guided busway. This proved unsuccessful.	245	245			Agreed
149.29	Artificial Obstructions.	133	133			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
149.30	Necessary overtime working to lay 450mm water main & 1 way BT across guided busway. 20 hours N.P.O. & 20 hours sleep time for changing shift patterns.	2,604	2,604			Agreed
149.31	Excavation to expose thrust blocks on 450mm water main & reinstate.	1,225	1,225			Agreed
149.32	All Disrupted Plant Relating to 5B-01-01					Disrupted Plant
149.34						Agreed
149.35	Hand digging.					Agreed
149.36	Hand digging around existing utilities.					Agreed
149.39	The use of 7.5m3 of Foam Concrete in diversion	376	376			Agreed
149.40	Supply & Install 675 x 675 Manhole Cover to existing Frame	132	132			Agreed
149.41	Down time due to failure of altering existing traffic signals	1,490	1,490			Agreed
149.44	CUS have carried out the necessary repair to the 225mm sewer pipe as per tie CVI 1553	3,224	3,224			Agreed
149.45	Traffic management resulting in down time	2,990	2,990			Agreed
149.46	Installation of 2 No. CCTV Cabinets.	1,468	1,468			Agreed
CR 153						
153.4	Logistics Support Team	227,361	227,361			Logistic Support
153.6	Supply of Heras Fencing	11,623		-11,623	-100%	Other (WS)
153.07	Support foundations of existing sandstone wall.	170	170			Agreed
153.08	Supply of extra Footboards & Road Plates	2,418	2,418			Other (WS)
153.09	Assisting Archaeologist.	274	274			Agreed
153.10	Pump water from road crossing due to existing leaning Scottish Water valve.	416	416			Agreed
153.11	Assisting the Archaeologist.	910	910			Agreed
153.12	Re-positioning of existing heras fencing on tie request.	333	333			Agreed
153.13	Remove existing traffic signal columns & replace with new column.	651	651			Agreed
153.14	Remove existing "No Waiting" column to enable logistics team access for deliverables.	248	248			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
153.15	Uncovering & removing historic tram rails from diversion path.		243	243		Agreed
153.16	Remove Traffic Island.		668	668		Agreed
153.17	Artificial Obstructions.		2,055	2,055		Artificial Obstruction
153.18	Removal of Artificial Obstructions.		3,696	3,696		Artificial Obstruction
153.19	Removal of Artificial Obstruction.		454	454		Agreed
153.20	Completion of Road & Pedestrian crossing on Saturday 12th April 2008, to accommodate business & residential requirements.		870	870		Agreed
153.21	Assessed Elsewhere (see Master Change Control Register)					Blank
153.22	Removal of Artificial Obstructions.		6,533	6,533		Artificial Obstruction
153.23	Hand digging around existing utilities.					Blank
153.24	Hand digging around existing utilities.					Blank
153.25	Assessed Elsewhere (see Master Change Control Register)					Blank
153.26	De-mobilise & Re-mobilise labour, plant & equipment due to City of Edinburgh Councils non-attendance on site to remove street furniture.		203	203		Agreed
153.27	Inspection & removal of unchartered sandstone culvert.		237	237		Agreed
153.28	Assisting archaeologist investigate, measure & then remove unchartered sandstone culvert.		496	496		Agreed
153.29	Abandoned Trial Hole for BT Manhole.		709	709		Agreed
153.30	Removal of historic tram sleeper from route of diversion.		173	173		Agreed
153.31	Artificial Obstruction		9,103	9,103		Artificial Obstruction
153.32	Assessed Elsewhere (see Master Change Control Register)					Blank
153.33	Downtime due to water leak		832	832		Agreed
153.34	Assessed Elsewhere (see Master Change Control Register)					Blank
153.35	Extra Ducts layed on Scottish Power crossing		1,258	1,258		Agreed
153.36	Assessed Elsewhere (see Master Change Control Register)					Blank
153.37	Divert around unchartered utility		352	352		Agreed
153.38	Assisting Archaeologists		1,568	1,568		Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
153.39	Artificial Obstruction		2,751	2,751		Artificial Obstruction
153.40	Removal of 16 way BT Concrete duct, slewing & lowering of existing BT 2 way duct		6,949	6,949		Exc Abandonment
153.41	Extra digging around unchartered utility 600mm deeper than spec		411	411		Agreed
153.42	Awaiting removal of solar powered ticket machine to continue diversions					D&D Elsewhere
153.43	Extra digging around existing M/H & old gas lamp standard		1,228	1,228		Agreed
153.44	Delays to diversion assisting Archaeologists		411	411		Agreed
153.45	Nil (see Master Change Control Register)					Blank
153.46	Assessed Elsewhere (see Master Change Control Register)					Blank
153.47	Delay & Disruption to Zone diversions		246	246		Agreed
153.48	Assessed Elsewhere (see Master Change Control Register)					Blank
153.49	Assessed Elsewhere (see Master Change Control Register)					Blank
153.50	Extend width of Road Crossing to 1m to assist Archaeologists		666	666		Agreed
153.51	Assessed Elsewhere (see Master Change Control Register)					Blank
153.52	Assessed Elsewhere (see Master Change Control Register)					Blank
153.53	Additional cut back on Reinstatement due to existing cracks		482	482		Agreed
153.54	Artificial Obstruction		1,884	1,884		Agreed
153.55	Repairs to sewage manhole		357	357		Agreed
153.56	Assessed Elsewhere (see Master Change Control Register)					Blank
153.57	Assessed Elsewhere (see Master Change Control Register)					Blank
153.58	Removal of Artificial Obstruction		1,071	1,071		Agreed
153.59	Rebuilding of existing Traffic Control Chamber		283	283		Agreed
153.60	Assessed Elsewhere (see Master Change Control Register)					Blank
153.61	Removal of Artificial Obstruction		835	835		Agreed
153.62	Divert around existing Road gulleys		1,119	1,119		Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
153.63	Assessed Elsewhere (see Master Change Control Register)					Blank
153.64	Removal of Buried Brick wall	316	316			Agreed
153.65	Demolishing of Existing Chambers	3,167	3,167			Demolish Chamber
153.66	Demolish Existing JRC1 Box	1,354	1,354			Agreed
153.67	Assessed Elsewhere (see Master Change Control Register)					Blank
153.68	Assessed Elsewhere (see Master Change Control Register)					Blank
153.69	Assessed Elsewhere (see Master Change Control Register)					Blank
153.70	Assessed Elsewhere (see Master Change Control Register)					Blank
153.71	Assessed Elsewhere (see Master Change Control Register)					Blank
153.72	Abandoned Trial Holes on diversion	491	491			Agreed
153.73	Removal of Concrete from diversions 95 x 0.9 x 0.25	7,304	7,304			Artificial Obstruction
153.74	Null (see Master Change Control Register)					Blank
153.75	Assessed Elsewhere (see Master Change Control Register)					Blank
153.76	Delay, Disruption & Dislocation	3,012		-3,012	-100%	Sep'08 Settlement
153.77	Removal of Concrete from various road crossings on Constitution St	2,145	2,145			Artificial Obstruction
153.78	Disrupted Plant (excludes post Sep 08 Disrupted Plant)	29,316		-29,316	-100%	Disrupted Plant
153.79	Use of Foam Concrete on Junction of Coatfield lane 10m3	501	501			Agreed
153.80	Removal of Old lamp standard from o/s of Be Seated	444	444			Agreed
153.81	Delays to the programme caused by funerals and morning service at ST Marys RC Church	1,238	1,238			Agreed
153.82	Removal of Concrete from diversion	230	230			Agreed
153.83	Removal & replacing of Road Gulley	657	657			Agreed
153.84	Assessed Elsewhere (see Master Change Control Register)					Blank
153.85	Assessed Elsewhere (see Master Change Control Register)					Blank

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Change Control	Description	Current					Category
		AFP	Cert	Diff	%		
153.86	Nil (see Master Change Control Register)						Blank
153.87	Delay, disruption and dislocation due to TM						Agreed
153.88	Nil (see Master Change Control Register)						Blank
153.89	Assessed Elsewhere (see Master Change Control Register)						Blank
153.90	Removal of Concrete from diversions	556	556				Agreed
153.91	Demolishing of existing Thus Box	848	848				Agreed
153.92	Assessed Elsewhere (see Master Change Control Register)						Blank
153.93	Assessed Elsewhere (see Master Change Control Register)						Blank
153.94	Nil (see Master Change Control Register)						Blank
153.95	Assessed Elsewhere (see Master Change Control Register)						Blank
153.96	Assessed Elsewhere (see Master Change Control Register)						Blank
153.97	Delay to the program, awaiting Tie Ltd TQ Response	71	71				Agreed
153.98	Hand digging						Agreed
153.99	Abandoned Trial Hole	762	762				Agreed
153.100	Hand digging around existing utilities						Agreed
153.101	Assessed Elsewhere (see Master Change Control Register)						Blank
153.111	Assessed Elsewhere (see Master Change Control Register)		512	512			Artificial Obstruction
153.121	Assessed Elsewhere (see Master Change Control Register)						Blank
153.131	Assessed Elsewhere (see Master Change Control Register)						Blank
153.141	Assessed Elsewhere (see Master Change Control Register)						Blank
153.106	Additional reinstatement due to unstable ground	388	388				Agreed
153.107	Artificial Obstruction (concrete)	335	335				Agreed
153.108	Assessed Elsewhere (see Master Change Control Register)						Blank
153.109	Hand digging						Agreed
153.110	Artificial Obstructions (concrete)	1,245	1,245				Agreed
153.111	Removal of excess carraigeway	556	556				Agreed

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Change Control	Description	Current					Category
		AFP	Cert	Diff	%		
153.112	Abandoned Trial Hole	363	363			Agreed	
153.113	Demolishing BT Boxes	641	641			Agreed	
153.114	Abandoned Track	956	956			Agreed	
153.115	Access to post office by requirement of the police	280		-280	-100%	Other (WS)	
153.116	Abandoned Trial Holes	1,216	1,216			Agreed	
153.117	Abandoned Trial Holes	981	981			Agreed	
153.118	Abandoned Trial Holes	642	642			Agreed	
153.119	Abandoned Trial Hole to determin extent of sewer	684	684			Agreed	
153.120	Assessed Elsewhere (see Master Change Control Register)					Blank	
153.121	Assessed Elsewhere (see Master Change Control Register)					Blank	
153.122	Nill (see Master Change Control Register)					Blank	
153.123	Assessed Elsewhere (see Master Change Control Register)					Blank	
153.124	Trial Holes	2,574	2,574			Trial Holes	
153.125	Assessed Elsewhere (see Master Change Control Register)					Blank	
153.126	Delay due to Archiologist	2,713	2,713			Other (WS)	
153.127	Assessed Elsewhere (see Master Change Control Register)					Blank	
153.128	Assessed Elsewhere (see Master Change Control Register)					Blank	
153.129	Abandoned Tracks	21,200	20,000	-1,200	-6%	Exc Abandonment	
153.130	Delay and Disruption due to un-answered TQ's and closere or work area					D&D Elsewhere	
153.131	Assessed Elsewhere (see Master Change Control Register)					Blank	
153.132	Stand down due to funeral	179	179			Agreed	
153.133	Cut out window of BT M/H	1,121	1,121			Agreed	
153.134	Stand down due to Mass	26,038		-26,038	-100%	Other (WS)	
153.135	Down time due to Archiologist	6,151	2,000	-4,151	-67%	Other (WS)	
153.136	Artificial obstructions	670	670			Agreed	
153.137	Assessed Elsewhere (see Master Change Control Register)					Blank	
153.138	Transport geonet ducts	305		-305	-100%	Other (WS)	

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
153.139	Removal of cast iron	562	562			Agreed
153.140	Hand digging w/e 15/05/2009					Blank
153.141	Hand digging w/e 08/05/2009					Blank
153.142	Hand digging w/e 01/05/2009					Blank
153.143	hand digging w/e 24/04/2009					Blank
153.144	Hand digging w/e 17/04/2009					Blank
153.145	Hand digging w/e 03/04/2009					Blank
153.146	Hand digging w/e 27/03/2009					Blank
153.147	Assessed Elsewhere (see Master Change Control Register)					Blank
153.148	Assessed Elsewhere (see Master Change Control Register)					Blank
153.149	Gas Bypass - Now claimed in CC 246					Blank
153.150	Gas Bypass - Now claimed in CC 246					Blank
153.151	Gas Bypass - Now claimed in CC 246					Blank
153.152	Gas Bypass - Now claimed in CC 246					Blank
153.153	Removal of cast iron	425	200	-225	-53%	Utility Abandonment
153.154	Nil (see Master Change Control Register)					Blank
153.155	Nil (see Master Change Control Register)					Blank
153.156	Trial hole o/s 37 constitution street	625	625			Trial Holes
153.157	Services conections exceeding 1m in length	7,217		-7,217	-100%	Supply Connections
153.158	Assessed Elsewhere (see Master Change Control Register)					Blank
153.159	Re-test water main after loss of samples by Scottish Water	612	612			Other (WS)
153.160	Gas Bypass - Now claimed in CC 246					Utility Abandonment
153.161	Gas Abandonment of the 14" main on Duke Street	25,505		-25,505	-100%	Utility Abandonment
153.162	Services conections exceeding 1m in length	4,072		-4,072	-100%	Supply Connections
153.163	Foam concrete at Queen Charlotte Junction	952	952			Foam Concrete
153.164	Removal of BT cabinet	663	663			Other (WS)
153.165	Removal of traffic light	473	473			Other (WS)
153.166	Install BT cabinet	541	541			Other (WS)
153.167	Artificial obstructions	273	273			Artificial Obstruction
153.168	Gas Abandonment of the 6" main on Duke Street	10,934		-10,934	-100%	Utility Abandonment
153.169	Supply Connections	5,882		-5,882	-100%	Supply Connections
153.170	Store cobble setts and secure	80	80			Other (WS)
153.171	Nil (see Master Change Control Register)					Blank

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Change Control	Description	Current					Category
		AFP	Cert	Diff	%		
153.172	Nil (see Master Change Control Register)						Blank
153.173	Foam concrete backfill	601	601				Foam Concrete
153.175	Remove concrete and trial holes	1,444	1,444				Artificial Obstruction
153.176	Additional Works - Slew 16w BT ducts round a thrust block. The works were required by Scottish Water Solutions. Reinstatement was in a cobbled road.	19,639		-19,639	-100%		Slew Utilities
153.177	Nil (see Master Change Control Register)						Blank
153.178	Assessed Elsewhere (see Master Change Control Register)						Blank
153.179	Nil (see Master Change Control Register)						Blank
153.180	Assessed Elsewhere (see Master Change Control Register)						Blank
153.181	Abandonment of the 12" main on Constitution Street.	27,529		-27,529	-100%		Utility Abandonment
153.182	Abandonment of the 9" main on Constitution Street.	764		-764	-100%		Utility Abandonment
CR 154							
154.1	Archaeological recordings of underground chamber	5,205	5,205	0	0%		Agreed
154.2	Assessed Elsewhere (see Master Change Register)						Blank
154.3	All Disrupted Plant	40,375		-40,375	-100%		Disrupted Plant
154.4	Logistic support for Elm Row	34,147	34,147				Agreed
154.5	Assessed Elsewhere (see Master Change Register)						Blank
154.6	Assessed Elsewhere (see Master Change Register)						Blank
154.7	Assessed Elsewhere (see Master Change Register)						Blank
154.08	Abandoned Trial Holes	491	491				Agreed
154.09	Artificial Obstructions	626	626				Agreed
154.10	Artificial Obstructions	1,424	1,424				Agreed
154.11	Assessed Elsewhere (see Master Change Register)						Blank
154.12	Resources used to transfer spoil to an area where the HIAB can lift it due to alterations in Traffic Management.						Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
154.13	Use of spill kit to absorb oil leak from bus.	21	21			Agreed
154.14	Unproductive time spent locating BT conflicts.	778	778			Agreed
154.15	Repair of Unchartered, Shallow ducting	214	214			Agreed
154.16	Unproductive resources due to unresolved TQ 860, coupled with inability to locate BT conflicts and inability to contact Davie Finnie of BT. Inability to carry out productive works noted on tie CVI 1633					Agreed
154.17	Unproductive Resources due to unresolved TQ's and conflicts not as per IFC's.					D&D Elsewhere
154.18	Unproductive manhole team.					D&D Elsewhere
154.19	Assessed Elsewhere (see Master Change Register)					Blank
154.20	Artificial Obstruction	695	695			Agreed
154.21	Artificial Obstruction	911	911			Agreed
154.22	Re-excavating 1D/SP/D/23 to accept 12 No. Insurance ducts as opposed to scheduled 8 No. ducts.	763	763			Agreed
154.23	Assessed Elsewhere (see Master Change Register)					Blank
154.24	Assessed Elsewhere (see Master Change Register)					Blank
154.25	Abandoned Trial Holes	964	964			Agreed
154.26	Excavate 400mm Water crossing at weekend of 13th & 14th Sept 2008	522	312	-210	-40%	Other (WS)
154.27	Artificial Obstructions	4,637	4,270	-367	-8%	Artificial Obstruction
154.28	Artificial Obstructions	1,225	1,225			Agreed
154.29	Employment of Crown Engineering to burn steel beams safely from BT manhole	661	661			Agreed
154.30	Assessed Elsewhere (see Master Change Register)					Blank
154.31	Demolition of existing manhole in order to construct new MRX10A.	6,547	6,547			Agreed
154.32	Removal of Street Furniture.	264	264			Agreed
154.33	Removal of capped 15" Gas main.	179	179			Agreed
154.34	Hand-digging around 6way verison and unidentified cable and removal of steel beam.					Agreed
154.35	Hand-digging.					Agreed

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current				Category		
		AFP	Cert	Diff	%			
154.36	Unproductive resources due to TM alterations and various unanswered TQ's.			5,971		-5,971	-100%	Sep'08 Settlement
154.37.1a	Inefficient Resources due to Traffic Management Design Issues. (excluding manhole team claimed in 154.37.3)							D&D Elsewhere
154.37.1b	Double Handling materials due to Traffic Management Design Issues. (excluding manhole team claimed in 154.37.3)							D&D Elsewhere
154.37.2	Remobilised Resources due to seven diversions scheduled for original Haymarket Traffic Management falling out with de-scoped Traffic Management. (i.e. demobilise/re-mobilise resources sent off site and some utilised unproductively elsewhere; evaluated @ 50% efficient)							D&D Elsewhere
154.37.3	Double Handling materials to BT manhole – 1D/BT/D/54 due to minimum load bearing capacity of adjacent retaining wall and reduced 'Worksite 3'. Minus 42 team hours spent demolishing existing manhole - CVI 00459							D&D Elsewhere
154.38	Assessed Elsewhere (see Master Change Register)							Blank
154.39	Assessed Elsewhere (see Master Change Register)							Blank
154.40	Additional Slewing & Lowering of 3 No. existing power cables to provide route for 1D/SW/D/25.			1,411	1,411			Agreed
154.41	Drill & Tap 4 inch cast main, then subsequently remove from route of diversion.			168	168			Agreed
154.42	Weekend working required to recoup time lost to the program awaiting TQ responses.			740	740			Agreed
154.43	Artificial Obstruction			2,766	2,766			Artificial Obstruction
154.44	Artificial Obstruction			5,837	5,837			Artificial Obstruction
154.45	Assessed Elsewhere (see Master Change Register)							Blank
154.46	Manual excavation in 1D/SP/D/24			339	339			Agreed
154.47	Removing 3"CI main on diversion 1D/SW/D/43			563	563			Agreed

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current				Category	
		AFP	Cert	Diff	%		
154.48	Removal of unchartered structure from route of 1D/SP/D/23.		398	398		Agreed	
154.49	Unproductive resources whilst awaiting clarification on duct formation at 1D/SP/D/23		522	522		Agreed	
154.50	Reclaim of resources costs due to late call off of works around Haymarket Retaining Wall.		1,349	1,349		Agreed	
154.51	Purchase and compaction of additional stone to enable excavation of altered SW diversions. (TQ 964)		744	744		Agreed	
154.52	Hand digging around existing utilities at above diversion		225	225		Agreed	
154.53	Artificial Obstruction		1,467	1,467		Agreed	
154.54	Additional Backfill/ Reinstatement		409	409		Agreed	
154.55	Artificial Obstructions		3,073	3,073		Agreed	
154.56	Assessed Elsewhere (see Master Change Register)					Blank	
154.57	Assessed Elsewhere (see Master Change Register)					Blank	
154.58	Assessed Elsewhere (see Master Change Register)					Blank	
154.59	Artificial Obstruction		978	978		Agreed	
154.60	Whilst excavation for a connection point CUS uncovered what looks like the start of a tunnel structure. This area had to be hand dug.		620	620		Agreed	
154.61	CUS were required to transport excavated material from the mentioned diversion to the main site compound due to access problems		131	131		Agreed	
154.62	Diversion required essential weekend working		1,649	1,649		Agreed	
154.63	Assessed Elsewhere (see Master Change Register)					Blank	
154.64	Assessed Elsewhere (see Master Change Register)					Blank	
154.65	tie accepted the use of foam concrete on the following water diversions at Haymarket:- 1D/SW/D/25, 1D/SW/D/23 & 1D/SW/D/23a. In practice only 1D/SW/D/25 (2 no road crossings aspect where foamed due to alterations).		4,082	1,989	-2,093	-51%	Foam Concrete

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
154.66	Artificial Obstructions	4,946	4,946			Artificial Obstruction
154.67	Removal of steel tram structure	34	34			Agreed
154.68	Hand-Digging					Agreed
154.69	Artificial Obstruction	4,717	4,717			Agreed
154.70	Artificial obstruction	443	443			Agreed
154.71	Remove concrete from the above diversion	5,914	5,914			Artificial Obstruction
154.72	Transporting excavated material from diversion to main site due to access.	6,421	6,421			Other (WS)
154.73	Downtime due to Archaeologist.	167	167			Agreed
154.74	Due to uncharted 6" water bypass pipe work could not proceed the the two mentioned diversions	801	801			Agreed
154.75	Hand-digging around existing utilites	890	890			Agreed
154.76	Whilst excavating the mentioned diversion Cus were required to remove the following amount of concrete.	1,588	1,588			Agreed
154.77	Abandoned trial hole	427	427			Agreed
154.78	Artificial Obstruction	4,236	4,236			Agreed
154.79	nil (see Master Change Register)					Blank
154.80	nil (see Master Change Register)					Blank
154.81	Late verbal instruction to cancel the next phase of traffic management.					D&D Elsewhere
154.82	nil (see Master Change Register)					Blank
154.83	Reinstatement of 15th Century Well.	783	783			Agreed
154.84	Assessed Elsewhere (see Master Change Register)					Blank
154.85	Assessed Elsewhere (see Master Change Register)					Blank
154.86	nil (see Master Change Register)					Blank
154.87	Cus were required to arrange to have the power disconnected at the bus stop at Haymarket Place to allow the bus stop to be removed	498	498			Agreed
154.88	Additional thrust block to protect existing main as instructed by tie 3506	439	439			Other (WS)
154.89	Assessed Elsewhere (see Master Change Register)					Blank
154.90	Assessed Elsewhere (see Master Change Register)					Blank

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current					Category	
		AFP	Cert	Diff	%			
154.91	Cus were required to remove 10m x 6" CI water main from the above diversion			136	136			Agreed
154.92	Due to work site layout Cus were required to transport excavated material round the oneway contraflow in place.							D&D Elsewhere
154.93	Assessed Elsewhere (see Master Change Register)							Blank
154.94	Due to Christmas embargo Cus were required to temporary backfill the above diversion.			884	884			Agreed
154.95	Cus were required to carry out the tie in connection on the above mentioned diversion, This was carried out through the night of the 16/12/08.			3,300	-564	-3,864	-117%	Other (WS)
154.96	nil (see Master Change Register)							Blank
154.97	Wasted 1 way due to requirement to re-excavate for 4 way following ammendments on-site (as per tie 1634).			555	555			Agreed
154.98	Cus were required to repair a section of carriageway on Grosvenor St			7,677	7,677			Agreed
154.99	Follow up from CVI 154.94, Cus were required to temporary backfill the above diversions			4,192	1,195	-2,998	-72%	Exc Abandonment
154.100	Cus were required to remove the following dimensions of concrete			367	367			Agreed
154.101	Due to an old Scottish Water hydrent being damaged when breaking out the tarr cus had to wait on S/W coming out to repair the damage.			579	579			Agreed
154.102	Hand digging around existing utilities			54	54			Agreed
154.103	due to working space Cus had to transport materials from the diversion to the main site to be up-lifted			452	452			Agreed
154.104	Cus were required to excavate to allow Verizon to build			2,101	1,346	-755	-36%	Other (WS)
154.105	Cus were required to hand dig around existing services							Agreed
154.106	Due to the site location Cus were required to double handle materials			321	321			Agreed
154.107	Assessed Elsewhere (see Master Change Register)							Blank

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current					Category
		AFP	Cert	Diff	%		
154.108	Cus were required to remove the following dimensions of extra over Tarr						Agreed
154.109	Assessed Elsewhere (see Master Change Register)						Blank
154.110	nil (see Master Change Register)						Blank
154.111	Tie instructed Cus to have a general tidy of the site, however the mess was created by Verizon and SGN operatives						Agreed
154.112	Cus were required to hand dig around existing services						Agreed
154.113	Cus were required to carry out works for Verizon on the instruction of tie						Other (WS)
154.114	Cus were required to carry out temporary road repairs on Roseberry Crescent						Agreed
154.115	Cus were delayed due to uncovering an old sewer and were waiting an instruction from tie.						Agreed
154.116	Cus were required to remove the following dimensions of concrete						Artificial Obstruction
154.117	Assessed Elsewhere (see Master Change Register)						Blank
154.118	Cus were required to hand dig around existing services to allow the above diversions						Agreed
154.119	Double handling materials						Agreed
154.120	Cus were required to double handle materials at the above diversion						D&D Elsewhere
154.121	Whilst excavating for the above diversion Cus uncovered a large amount of concrete around SGN Gas service, Cus were required to call SGN out to inspect this.						Agreed
154.122	Cus were required to remove the following dimensions of concrete						Artificial Obstruction
154.123	Cus were required to remove the following dimensions of concrete						Agreed
154.124	Cus were required to remove the following dimensions of concrete						Artificial Obstruction
154.125	Cus were required to dismantle and rebuild the above Scottish water meters as per Tie change order						Other (WS)

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
154.126	Assessed Elsewhere (see Master Change Register)					Blank
154.127	Due to the delay from Tie in answering TQ1169 Cus were delayed and unproductive during this period					D&D Elsewhere
154.128	Cus were required to remove the following dimentions of Concrete	787	787			Agreed
154.129	Requirement to cut, drain and remove section of 355mm PE water main.	8,559	4,492	-4,067	-48%	Utility Abandonment
154.130	Cus were required to remove and replace couplers with Flex lock couplers on the above SW meter	1,470	1,470			Agreed
154.131	Cus were required to transport excavated material from the above diversion to the main site to be up-lifted	204	204			Agreed
154.132	Cus were required to hand dig around existing services					Agreed
154.133	Cus are required to transport backfill material from the main site					D&D Elsewhere
154.134	Cus were required to construct a new 300mm DI water Meter	9,400	9,400			Agreed
154.135	Cus were required to construct a new 200mm Water Meter	7,422	2,598	-4,824	-65%	Other (WS)
154.136	Cus were required to excavate 4nr trial holes in order to find a route for the diversion along Manor Place	3,514		-3,514	-100%	Trial Holes
154.137	Hand digging around existing services					Agreed
154.138	Weekend working	4,428	922	-3,506	-79%	NPO
154.139	Cus were required to remove the following dimentions of Concrete	163	163			Agreed
154.140	Cus were required to demolish an existing BT box as per Tie instruction 3497	2,174	1,653	-521	-24%	Demolish Chamber
154.141	Cus were required to remove the following dimentions of Concrete	6,656	6,656			Agreed
154.142	Cus were required to construct a concrete support for an old tram structure	2,041	1,726	-315	-15%	Other (WS)
154.143	Cus were required to demolish an existing verizon chamber	406	406			Agreed

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
154.144	Due to existing services Cus were required to hand dig to allow the above diversions can take place					Blank
154.145	Cus ere required to install a footway signal chamber as per Tie instruction	893	893			Agreed
154.146	Cus were required to remove a large amount of old Cast Iron water main to allow to tie in on the above diversions	162	162			Agreed
154.147	Hand digging under existing services					Agreed
154.148	Cus were required to excavate down onto the SW main to prove that it had not "mounted" after reinstating	377	377			Agreed
154.149	Cus were required to remove the following dimentions of concrete	1,815	1,815			Agreed
154.150	Cus were required to move the following dimation of concrete	815	815			Agreed
154.151	Cus were requested to reinstate 2nr Trial holes for SGN	2,650	2,650			Trial Holes
154.152	Cus were required to remove the following dimentions on Artificial obstruction	1,770	1,770			Agreed
154.153	Cus are required to double handle all backfill material at the above diversion					D&D Elsewhere
154.154	Cus were required to hand dig around existing services to allow the above diversion					Agreed
154.155	Cus were required to remove the following dimentions of concrete	832	832			Agreed
154.156	Hand digging around existing services					Agreed
154.157	Cus were required to remove concrete to allow for the above diversion	3,481	3,481			Artificial Obstruction
154.158	Extra aver Tarr	331	331			Agreed
154.159	Cus were unable to get the required depth for the above diversion due to an existion BT duct. Cus were requested to protect the PE water main with DI ducts	1,388	1,388			Agreed
154.160	Cus were required to have the power to the bus stop on Clifton Terrace disconnected.	995	995			Agreed
154.161	Double handling materials					D&D Elsewhere
154.162	Double handling materials					D&D Elsewhere

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
154.163	cus were required to backfill the tie-in points with concrete due to the lack of depth.		1,511	1,511		Agreed
154.164	Cus were required to hand dig around existing services to allow for the above diversion					Blank
154.165	Cus were required to remove the following dimensions of reinforced concrete to allow the mentioned diversions		3,924	3,924		Artificial Obstruction
154.166	Removal of artificial obstruction to allow for the mentioned diversion		815	815		Agreed
154.167	Cus were required to hand dig along West Maitland St to clear a route for the above diversion					Blank
154.168	To allow for the above diversions cus were required to break out the existing CI Gas main		1,365	1,365		Agreed
154.169	Cus were required to remove and reinstate 2nr Traffic islands on Dalry Rd		8,193	8,193		Other (WS)
154.170	Due to Cus being unable to get the required depth for the mentioned diversion on Manor pl cus were required to backfill with Concrete		413	413		Agreed
154.171	To allow for the pedestrian access to me moved cus were required temp backfill part of the excavation under the road plates		539	539		Agreed
154.172	Assessed Elsewhere (see Master Change Register)					Blank
154.173	Assessed Elsewhere (see Master Change Register)					Blank
154.174	Assessed Elsewhere (see Master Change Register)					Blank
154.175	Assessed Elsewhere (see Master Change Register)					Blank
154.176	Assessed Elsewhere (see Master Change Register)					Blank
154.177	Assessed Elsewhere (see Master Change Register)					Blank
154.178	Cus were requested by Tie to reconnect a 225mm Gully tail, Whilst excavating it was brought to the attention that the gully tail was redundant.		2,554	2,554		Agreed

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
154.179	Assessed Elsewhere (see Master Change Register)					Blank
154.180	Due to SGN drilling and breaking newly laid Verizon ducts, Cus were required to excavate and re-lay 15m of duct	1,091	1,091			Agreed
154.181	Assessed Elsewhere (see Master Change Register)					Blank
154.182	Hand digging along West Maitland Street					Agreed
154.183	Cus were required to hire a grab wagon to up-lift a large amount of old CI Gas main	163	163			Agreed
154.184	Cus were required to safely support an existing fire hydrant in order to hand excavating around to allow for the above diversion	105	105			Agreed
154.185	Assessed Elsewhere (see Master Change Register)					Blank
154.186	Assessed Elsewhere (see Master Change Register)					Blank
154.187	Cus were required to use C20 concrete as appose to Type 1 along Clifton Terrace to get the required compaction	298	298			Agreed
154.188	Due to the re-alignment of the DKE this caused a delay in ordering materials of the SP diversion 22 as this was changed to the south side of clifton terrace	517	517			Agreed
154.189						Agreed
154.190	Cus were required to remove the following dimentions of concrete to allow for the above diversion	3,584	3,584			Agreed
154.191	to allow for the above diversion cus were required to lay 100mm of c20 concrete over an existing BT to allow the water main to be laid above the BT duct.	3,675	3,561	-114	-3%	Artificial Obstruction
154.192	Cus were required to expose a leak on an existing S/W main	5,388	5,388			Agreed
154.193	Cus were required to remove spoil from SGN excavations.	450	450			Agreed

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
154.194	Cus were required to re-sand a section of the 180mm Gas main due the Scottish water service leak.		1,497	1,497		Agreed
154.195	Carillion were required to backfill with C20 concrete in order to get the required compaction.		345	345		Agreed
154.196	As a result of traffic management restrictions Carillion were required to double handle materials due to space constraints		533	533		Agreed
154.197	Carillion were required to remove old cast mains to allow for the above diversion		117	117		Agreed
154.198	Additional Reinstatement		220	220		Agreed
154.199	Additional chamber to house water meter & additional 6m duct route to carry water telemetry cable to o/s Ryres Bar		220	220		Other (WS)
154.200	Removal of artificial obstruction		2,082	2,082		Agreed
154.201	Build a bend configuration on Coats Place to allow SP to inspect		144	144		Other (WS)
154.202	Carillion were required to hand dig under existing utilities in order to take Gas services across West Maitland Street					Blank
154.203	Carillion were required ti install a signal chamber		1,140	1,140		Agreed
154.204	In order to lay the above diversions Cus were required to hand excavate under existing utilites					Blank
154.205	to allow cus to lay above diversion under existing utilites Cus were required to hand dig					Blank
154.206	Carillion were required to hand excavate along West Maitland Street.					Blank
154.207	Assessed Elsewhere (see Master Change Register)					Blank
154.208	Due to space constraints along Coats Place Carillion were require to remove duct which were laid under instruction form Tie.		7,969	7,969		Agreed
154.209	Carillion were required to remove concrete from the above diversion		2,833	2,833		Artificial Obstruction
154.210	Hand digging					Blank

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current					Category
		AFP	Cert	Diff	%		
154.211	Carillion were required to remove the following dimensions of concrete to allow the above diversion						Other (WS)
154.212	Removal of concrete						Artificial Obstruction
154.213	Abandon Trial Holes						Exc Abandonment
154.214	Hand digging						Blank
154.215	Making safe underground tunnel at Grosvenor Street						Tunnel Works
154.216	Carillion were required to hire Crown Engineering to remove old steel beams.						Other (WS)
154.217	Removal of Concrete						Artificial Obstruction
154.218	Removal of Concrete						Artificial Obstruction
154.219	Due to Tie change order 3635 cus were delayed due to the time taken to order the new fittings						D&D Elsewhere
154.220	Assessed Elsewhere (see Master Change Register)						Blank
154.221	Use of CUS to close of temporary access to Network Rail						Other (WS)
154.222	Assessed Elsewhere (see Master Change Register)						Blank
154.223	Repairs to existing VM chamber on FW at West Maitland.						Other (WS)
154.224	Carillion were required to use 2 x labourers to tidy site from public litter, as requested by Tie						Artificial Obstruction
154.225	hand digging under existing utilites to allow the above diversion						Blank
154.226	As requested by Tie and SW carillion were instructed to excavate and expose a SW diversion for inspection and backfill						Other (WS)
154.227	Carillion were required to remove the following dimensions of artificial obstruction						Artificial Obstruction
154.228	Due to the shallow existion 1D/VM/D/18 Cus were required to use concrete						Artificial Obstruction
154.229	Due to existing utilites at Palmerston PI Cus have have to use 1m3 to get the required compaction						Other (WS)

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current						Category
		AFP	Cert	Diff	%			
154.130	Fujitsu have requested Cus to use 11.25 deg bends join the 10 way BT/D/37.			199	199			Other (WS)
154.231	Cus were required to install a 150mm SV as Scottish Water could not get a shut off on the existing 6" main			464	464			Other (WS)
154.232	Cus were required to lay 4m ³ of C20 concrete to gain the required compaction along west maitland street.			172	172			Other (WS)
154.233	Carillion were required to remove a section on 500mm LP Gas main as requested by Tie			2,238	545	-1,693	-76%	Utility Abandonment
154.234	Cus were required to remove the following dimentions of concrete			3,379	3,379			Artificial Obstruction
154.235	Assessed Elsewhere (see Master Change Register)							Blank
154.236	Carillion were required to use 4m ³ of C20 concrete to backfill newly laid surface water drainage pipe			307	307			Other (WS)
154.237	Carillion were instructed by Tie to carry out a survey of the underground tunnel at Grosvenor Street.			3,801	3,276	-524	-14%	Tunnel Works
154.238	Carillion were instructed to move the position to the above diversion tie in point, as a result CUS were required to backfill the excavation which was previously excavated			1,963	1,963			Other (WS)
154.239	Carillion were required to remove the following dimentions of artificial obstruction to allow the above diversion			174	174			Artificial Obstruction
154.240	Carillion were required to remove the following dimation of artificial obstruction to allow the above diversion			137	137			Artificial Obstruction
154.241	Whilst excavating for the above diversion carillion were required to hand excavate through solid rock as it was not possible to possision an excavator at the excavation							Blank
154.242	Abandon new mains due to underground structure - 100% complete			10,345	10,345			Exc Abandonment
154.243	Abandoned trial holes			1,691	1,242	-449	-27%	Exc Abandonment

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current						Category
		AFP	Cert	Diff	%			
154.244	Carillion were required to provide 1nr labourer to carry out site tidy duties as a result of the council			135		-135	-100%	Other (WS)
154.245	Artificial obstructions			1,788	1,788			Artificial Obstruction
154.246	Carillion were required to use 0.5m ³ of concrete to gain the required compaction			68		-68	-100%	Foam Concrete
154.247	Carillion were required to hand excavate to allow the above diversion							Blank
154.248	Breaking away concrete from existing services			754	-18	-771	-102%	Artificial Obstruction
154.249	Carillion were required to use c20 concrete to allow the following diversions			721	-203	-925	-128%	Foam Concrete
154.250	To allow for SW and SP diversions CUS have been required to slew existing ducts along West Maitland Street and Haymarket Terrace			3,068		-3,068	-100%	Slew Utilities
154.251	nil (see Master Change Register)							Blank
154.252	Assessed Elsewhere (see Master Change Register)							Blank
154.253	CUS have been required to backfill 2nr tracks to enable the delivery of a large industrial fridge. The excavations were required to be re-excavated			1,701	1,225	-476	-28%	Exc Abandonment
154.254	nil (see Master Change Register)							Blank
154.255	Assessed Elsewhere (see Master Change Register)							Blank
154.256	Assessed Elsewhere (see Master Change Register)							Blank
154.257	Slew 2 way Virgin media			2,009		-2,009	-100%	Slew Utilities
154.258	Assessed Elsewhere (see Master Change Register)							Blank
154.259	Carillion were instructed to carry out the tie in connection on the above diversion on the 27/07/09, but were advised on the date the we were unable to get the required water shut down for long enough to carry out the connection.			636		-636	-100%	Other (WS)
154.260	As instructed by tie, Carillion were instructed to provide a working platform for BT to carry out the construction of the manhole at Palmerston PI			2,456	2,282	-174	-7%	Other (WS)

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current				Category	
		AFP	Cert	Diff	%		
154.261	To locate the above diversion carillion were required to remove the following dimentions of artificial obstruction		3,632	3,632		Artificial Obstruction	
154.262	Due to TM restrictions Carillion were instructed to stop work for 1hrs during 12.30 and 14.00 to ease traffic flow.		45	45		Other (WS)	
154.263	Carillion were required to remove the following dimentions of atrificial obstruction		1,007	1,007		Artificial Obstruction	
154.264	Carillion were required to remove the following dimentions of atrificial obstruction		4,778	4,778		Artificial Obstruction	
154.265	Due to design change carillion were required to abandon part of the excavation for BT diversion		1,960	1,960		Exc Abandonment	
154.266	Carillion were instructed bt tie to make safe an area left un-safe bt Contractor		328	187	-141	-43%	Other (WS)
154.267	Carrillion were required to divers weter around an excavation to stop further flooding due to heavy rain as requested by tie		5,477	5,477		Other (WS)	
154.268	Carillion were required to remove the following dimentions of artificial obstruction		6,901	6,901		Artificial Obstruction	
154.269	As instracted by Tie carillion were required to remove the War memorial island at haymarket		5,959	3,937	-2,023	-34%	Other (WS)
154.270	Assessed Elsewhere (see Master Change Register)		5,477		-5,477	-100%	Other (WS)
154.271	Whilst excavating for the joint bays at the above diversion carillion were required to remove the followig dimentions of extra over Tarr		58	58		Artificial Obstruction	
154.272	Carillion were required to excavate around a scottish water leak to carry out a repair		670		-670	-100%	Other (WS)
154.273	Carillion were required to hand excavate to allow the above diversion					Blank	
154.274	As per instruction 5268 Carillion were instructed to carry out a trial hole to locate the cellars along West Maitland Street		5,477	5,477		Trial Holes	
154.275	As per Tie instruction 3764 Carillion were required to demolish an existing Cable and Wireless chamber		1,030	676	-354	-34%	Demolish Chamber

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Change Control	Description	Current				Category		
		AFP	Cert	Diff	%			
154.276	As requested by Tie (Russell Maxwell) Carillion have been required to provide 1nr labourer to carry out litter picking duties			158		-158	-100%	Other (WS)
154.277	Carillion were required to re-locate the site (Cabins, materials, Pipe and fittings ect) to allow SGN access to Clifton Terrace to carry out there Gas works.			6,223	4,142	-2,082	-33%	Other (WS)
154.278	Tie had requested Carillion to provide labour to assist SGN with a Gas leak at Haymarket Bar area.			651	442	-209	-32%	Other (WS)
154.279	CUS have been required to excavate and reinstate area at Palmerston Place due to BT failure to reinstate to Spec			2,139	2,045	-95	-4%	Other (WS)
154.280	Additional Excavation to enable 'others' to install Verizon Box. Additional Slewing existing 4way BT			4,506	981	-3,524	-78%	Slew Utilities
154.281	Resources required to assist SGN to excavate and repair existing main			1,208	627	-582	-48%	Other (WS)
154.282	Assessed Elsewhere (see Master Change Register)							Blank
154.283	CUS have been required to reduce a buried sewer shaft to enable route for 1D/LP/D/101C			363	341	-22	-6%	Other (WS)
154.284	Remove and Replace Gully Pots			397		-397	-100%	Other (WS)
154.285	Assessed Elsewhere (see Master Change Register)							Blank
154.286	CUS required to use a 3m 450mm Double Flanged Spool Piece			1,413	400	-1,013	-72%	Other (WS)
154.287	Structure encountered requiring investigation and breakout of structure at Torphichen Street.			3,843	2,469	-1,374	-36%	Demolish Chamber
154.288	Abandoned service crossings at West Maitland Street due to uncharted cellars. In addition concreete obstructions where located in each service crossing. Only 12 nr crossings paid in 1D-01-01 measure			15,761		-15,761	-100%	Other (WS)
154.289	Assessed Elsewhere (see Master Change Register)							Blank

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Change Control	Description	Current						Category
		AFP	Cert	Diff	%			
154.290	CUS were required to drill and tap 4 no. existing 15" cast mains outside the Haymarket Bar in order to establish a route for the 500mm gas.			269	153	-116	-43%	Other (WS)
154.291	Excessive Hand digging							Blank
154.292	Assessed Elsewhere (see Master Change Register)							Blank
154.293	Assessed Elsewhere (see Master Change Register)							Blank
154.294	Temporary backfill to allow for Fujitsu access on Palmerston Place			456	409	-47	-10%	Exc Abandonment
154.295	Assessed Elsewhere (see Master Change Register)							Blank
154.296	nil (see Master Change Register)							Blank
154.297	Excavate and replace existing corroded water main at Palmerston Place			454	465	11	2%	Other (WS)
154.298	Litter picking week commencing 24/08/09			133		-133	-100%	Other (WS)
154.299	Assessed Elsewhere (see Master Change Register)							Blank
154.300	existing energist box required to be cleaned by means of gully sucker.			121	121			Other (WS)
154.301	Demolish existing CW chamber at Haymarket Bar			1,485	647	-839	-56%	Demolish Chamber
154.302	Removal of artificial obstruction at Athol Place			1,601	1,601			Artificial Obstruction
154.303	nil (see Master Change Register)							Blank
154.304	Trial Hole outside Haymarket Bar next to structure to locate possible route for HV cables.			2,159	2,159			Trial Holes
154.305	Assessed Elsewhere (see Master Change Register)							Blank
154.306	Supply and maintain site at Clifton Terrace on behalf od SGN for 6 weeks and 4 days.			7,814		-7,814	-100%	Other (WS)
154.307	Additional reinstatement works on behalf of SGN outside Haymarket Bar.			997	997			Other (WS)
154.308	CUS have been required to rebuild drainage chamber outside Haymarket Bar, As per Change Order 5421 and 5420.			1,707	1,330	-378	-22%	Other (WS)

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
154.309	Assessed Elsewhere (see Master Change Register)					Blank
154.310	Assessed Elsewhere (see Master Change Register)					Blank
154.311	Assessed Elsewhere (see Master Change Register)					Blank
154.312	Excavate Back On Virgin Media	385	345	-40	-10%	Other (WS)
154.313	Labourer to assist traffic around flatbed	11		-11	-100%	Other (WS)
154.134	Assessed Elsewhere (see Master Change Register)					Blank
154.315	CUS are required to demoish existing JRC2 Cable and Wireless Box at Torphichen Street	1,905	1,638	-267	-14%	Demolish Chamber
154.316	Assessed Elsewhere (see Master Change Register)					Blank
154.317	Assessed Elsewhere (see Master Change Register)					Blank
154.318	nil (see Master Change Register)					Blank
154.319	Assessed Elsewhere (see Master Change Register)					Blank
154.320	Assessed Elsewhere (see Master Change Register)					Blank
154.321	Removal of Artificial Obstruction	4,792	4,792			Artificial Obstruction
154.322	Hand digging and tunneling at Torphichen Street for Multi Utility Track					Blank
154.323	Removal of Concrete	1,427	1,427			Artificial Obstruction
154.324	Litter Picking Monday 14th - Sunday 20th September 2009	178		-178	-100%	Other (Non WS)
154.325	Breaking Out Concrete for 4-way Verizon and 2-way Energis (Opposite Haymarket Bar next to Underground Structure). Additional Reinforced Concrete Protection Required.	1,621	684	-936	-58%	Artificial Obstruction
154.326	Length of 560mm EF water required to be cut in half due to congestion of exisiting services. Additional coupler required.	864	-47	-911	-105%	Other (WS)
154.327	Assessed Elsewhere (see Master Change Register)					Blank
154.328	Additional trial holes required to determine service connections at West Maitland Street	1,314		-1,314	-100%	Trial Holes

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
154.329	Assessed Elsewhere (see Master Change Register)					Blank
154.330	Structure encountered requiring breakout and remedial works to brick up and backfill structure with Concrete. At West Maitland Street / Grosvenor Street Junction	9,388	7,336	-2,052	-22%	Demolish Chamber
154.331	Assessed Elsewhere (see Master Change Register)					Blank
154.332	Additional works to 4-way VM and rebuild existing MH	1,910	-800	-2,710	-142%	Other (WS)
154.333	Assessed Elsewhere (see Master Change Register)					Blank
154.334	Removal of Artificial Obstructions when excavating for 1D/LP/D/112 opposite Haymarket Bar	10,168	10,168			Artificial Obstruction
154.335	Removal of Artificial Obstructions when excavating for 1D/SP/D/18 at Torphichen Street	546	546			Artificial Obstruction
154.336	Removal of Artificial Obstructions when excavating for 1D/CW/D/10 at Torphichen Street	1,911	1,911			Artificial Obstruction
154.337	Assessed Elsewhere (see Master Change Register)					Blank
154.338	Assessed Elsewhere (see Master Change Register)					Blank
154.339	Assessed Elsewhere (see Master Change Register)					Blank
154.340	Assessed Elsewhere (see Master Change Register)					Blank
154.341	Artificial Obstruction whilst excavating for additional gas instructed in Change Order 5428	3,219	3,219			Artificial Obstruction
154.342	Specialist reinstatement of underground structure at Haymarket Bar	8,783	4,508	-4,275	-49%	Other (WS)
154.343	Assessed Elsewhere (see Master Change Register)					Blank
154.344	Resources required to undertake remedial works to Energis Ducts Clifton Terrace	1,982	-674	-2,656	-134%	Other (WS)

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
154.345	Assessed Elsewhere (see Master Change Register)					Blank
154.346	Litter Picking	270		-270	-100%	Other (WS)
154.347	Removal of 2nr Gully Pots	178		-178	-100%	Other (WS)
154.348	nil (see Master Change Register)					Blank
154.349	CUS where required to install plywood sheets to cover exposed cellars	310	308	-1	-0%	Other (WS)
154.350	Assessed Elsewhere (see Master Change Register)					Blank
154.351	CUS where required to re-excavate 2 no. previously laid 90mm service crossings and install 125mm sleeves around pipe.	3,720	3,720			Other (WS)
154.352	Assessed Elsewhere (see Master Change Register)					Blank
154.353	Runner to pick-up additional ducts and return to site	97		-97	-100%	Other (WS)
154.354	AJ Jointing for 33kv joint on 1D/SP/D/15 & 16. Terminate 33kv	3,329	3,329			Other (WS)
154.355	CUS are required to procure a steel spool piece to connect the 500mm PE mains at Haymarket Junction (Grosvenor Street)	815	382	-432	-53%	Other (WS)
154.356	Assessed Elsewhere (see Master Change Register)					Blank
154.357	Assessed Elsewhere (see Master Change Register)					Blank
154.358	Assessed Elsewhere (see Master Change Register)					Blank
154.359	Assessed Elsewhere (see Master Change Register)					Blank
154.361	Assessed Elsewhere (see Master Change Register)					Blank
154.362	CUS to provide a 3 man team to test 8 way BT ducts	704		-704	-100%	Other (WS)
154.363	Assessed Elsewhere (see Master Change Register)					Blank

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Change Control	Description	Current				Category		
		AFP	Cert	Diff	%			
154.364	Due to onsite constraints and the requirement for a SW/19 tie to be undertaken prior to completion of other diversion works, CUS have been required to temporary backfill to enable continuation of works. (Torphichen Street.)			1,333	1,072	-260	-20%	Other (WS)
154.365	Assessed Elsewhere (see Master Change Register)							Blank
154.366	Demolish existing VM box at Torphichen Street			1,146	706	-440	-38%	Demolish Chamber
154.367	CUS require 2m3 EO foam concrete to fill void under 500mm gas main.			100	100			Foam Concrete
154.368	Supply of additional comms ducting materials			330	330			Other (WS)
154.369	CUS are to fabricate a specialist flange adaptor for the existing 20" water connection at Dalry.			772	772			Other (WS)
154.370	Protection works required to cover excavation to remain open over the embargo period			1,849	1,537	-312	-17%	Other (WS)
154.371	Assessed Elsewhere (see Master Change Register)							Blank
154.372	Assessed Elsewhere (see Master Change Register)							Blank
154.373	nil (see Master Change Register)							Blank
154.374	Additional resources to remove and relay cables on 1D/SP/D/15			368	368			Other (WS)
154.375	Assessed Elsewhere (see Master Change Register)							Blank
154.376	nil (see Master Change Register)							Blank
154.377	Whist excavating for the additional 125mm Gas diversion at Palmerston Place, CUS were required to break through excessive amounts of concrete.			4,847	4,847			Artificial Obstruction
154.378	CUS required 10m3 Foam concrete for Scottish Water diversion due to existing services			501	501			Foam Concrete
154.379	Assessed Elsewhere (see Master Change Register)							Blank
154.380	Assessed Elsewhere (see Master Change Register)							Blank
154.381	nil (see Master Change Register)							Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
154.383	Supply of shoring materials post CUS completion on Haymarket site to maintain safety until inception by Clancy Docwra.		2,767	2,767		Other (WS)
154.384	CUS to temporary backfill the Carriageway next to the cellars to make safe for the public.		1,620	1,620		Other (WS)
154.385	required materials to protect existing services at Torphichen Junction.		1,328	1,328		Other (WS)
CR 156						
156.02	Downtime in building manhole due to investigation in to proximity of IP Gas main.		439	439		Agreed
156.03	Removal an re-laying of 450mm diameter water main.					Agreed
156.04	Removal & repositioning of 1 x street light column & 1 x traffic light column.		122	122		Agreed
156.05	Remove trees at south end of Gyle car park		571	571		Other (WS)
156.06	Slewing existing 20way into new MRX405B.		3,184	3,184		Agreed
156.07	Slewing existing conflict - 5C/TE/01 into new Virgin Media chambers.		372	372		Agreed
156.08	Instruction to install a vehicle restraint barrier that will protect both the workforce and public during construction of BT manhole. Duration approx 6 weeks.		6,250	6,250		Other (Non WS)
156.09	Downtime on cable pulling due to Traffic Management only being permitted off-peak.		1,156	1,156		Agreed
156.10	Downtime due to Traffic Management only being permitted off-peak.		1,105	1,105		Agreed
156.11	Downtime incurred awaiting approval of a Traffic Management safety zone.		405	405		Agreed
156.12	Temporarily backfilling joint bays.		3,752	3,752		Exc Abandonment
156.13	Jointing pilot cables		8,106	8,106		Other (WS)
156.14	Downtime due to Traffic Management only being permitted during off-peak hours.		522	522		Agreed
156.15	Abandoned Trial Holes.		1,334	1,334		Agreed
156.16	Locate existing IP Gas main to ensure it would not be compromised by 5C/BT/D/06 or MH/5C/06/03.		712	712		Agreed

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Change Control	Description	Current				Category	
		AFP	Cert	Diff	%		
156.17	Hire of a RD Anderson flatbed to deliver Scottish power cables to site		1,225	1,225		Agreed	
156.18	Abandoned Trial Holes.		1,215	1,215		Agreed	
156.20	Abandoned Trial Holes.		299	299		Agreed	
156.22	Removal of trees to progress works.		510	510		Agreed	
156.23	Assessed Elsewhere (see Master Change Control Register)					Blank	
156.24	Nightworks to carry out water connections at Lochside Crescent.		3,552	3,552		NPO	
156.25	Assessed Elsewhere (see Master Change Control Register)					Blank	
156.26	Trials holes to identify whether ductline is Easynet, as requested by tie Change Order 3453		216	216		Trial Holes	
156.27	Additional excavation for working room around BT/MH/5C/06/01.		1,428	1,428		Agreed	
156.28	Assessed Elsewhere (see Master Change Control Register)					Blank	
156.29	Assessed Elsewhere (see Master Change Control Register)					Blank	
156.30	Assessed Elsewhere (see Master Change Control Register)					Blank	
156.31	All Disrupted Plant Relating to 5C-01-01		2,433	2,433		Disrupted Plant	
156.32	Weekend Working as per Record Sheet 23487		1,040		-1,040	-100%	NPO
156.33	Removal of 2 x No Entry Bollards/Signs		728	728		Agreed	
156.34	Assessed Elsewhere (see Master Change Control Register)					Blank	
156.35	Assessed Elsewhere (see Master Change Control Register)					Blank	
156.36	Assessed Elsewhere (see Master Change Control Register)					Blank	
156.37	nil (see Master Change Control Register)					Blank	
156.38	Supervision of Street Lighting Removal		218	218		Agreed	
156.39	Assessed Elsewhere (see Master Change Control Register)					Blank	
156.40	Weekend working to slew 2 way Thus and 3 way cable and wireless		3,617		-3,617	-100%	NPO

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
156.41	Assessed Elsewhere (see Master Change Control Register)					Blank
156.42	Additional bends to achieve the required depth	1,710	1,710			Agreed
156.43	Resources for Weekend works Sat & Sun	5,084		-5,084	-100%	NPO
156.44						Agreed
156.45						Agreed
156.46	Removal of Thrust Blocks	4,838	4,838			Agreed
156.47	Spreading of BT ducts to reach required depth under the DKE	5,917	5,917			Agreed
156.48						Agreed
156.49	Acceptance of Quote for street lighting works at Gyle Car Park.	3,248	3,248			Agreed
156.50	Remove 5 No. existing street lighting columns, provide temporary lighting	45,000	45,000			Agreed
156.51	Additional works due to revised 24way, as per Change Order 3489.	10,609	10,609			Other (WS)
156.52	Demolishing of additional chamber to facilitate diversion 5C/BT/D/06.	732	732			Agreed
156.54	Disconnections, remove existing enclosure, supply cable and 2 No. steel enclosures, re-connect test and certify.	5,333	5,333			Agreed
156.55	Assessed Elsewhere (see Master Change Control Register)					Blank
156.56	Excavating for re-instatement of Street Lights at Lochside & backfill with foam concrete.	516	516			Agreed
156.57	Increased shaft size on BT/MH/5C/06/01	2,896	2,896			Agreed
156.58	Necessity to slew or re-lay existing utilities to provide route for BT 24way at South Gyle Broadway.	13,974	13,974			Agreed
156.59	Trial Holes to prove pea-gravel as per tie Change Order 3552.	2,528		-2,528	-100%	Trial Holes
156.60	Re-excavate and reinstate joint pits a as recorded on CVI 02236	12,213	12,213			Other (WS)
156.61	Additional Temporary works required due to water tie-in point being located 4 metres deep within embankment.	7,083	7,083			Agreed
156.62	nil (see Master Change Control Register)					Blank
156.63	Assessed Elsewhere (see Master Change Control Register)					Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
156.64	Downtime due to Traffic Management along South Gyle Broadway only being permitted Off Peak.					D&D Elsewhere
156.65	Removal & Re-erecting No Entry Sign to provide working room around diversion 5C/SP/D/03.	93	93			Agreed
156.66	nil (see Master Change Control Register)					Blank
156.67	Extra Over Fence & Hedge Reinstatement at South Gyle Centre.	12,641	12,641			Other (WS)
156.68	Additional Fire Hydrant.	642	642			Other (WS)
CR 160						
160.1	Drill main & remove redundant cast from site	2,788	2,788			Utility Abandonment
160.2	Demolish chamber	1,041	1,041			Agreed
160.3	To construct BT diversion 32 as Orientation changed	2,457	2,457			Other (WS)
160.4	Logistic support for Elm Row	212,719	176,678	-36,041	-17%	Logistic Support
160.5	Removal of 6" and 10" cast iron.	283	283			Agreed
160.6	Removal of 6" and 10" cast iron.	898	898			Agreed
160.7	Removal of Artificial Obstructions	338	338			Agreed
160.8	Abandoned Trial Holes and artificial Obstructions	507	507			Agreed
160.9	Removal of Artificial Obstructions (concrete)	6,058	6,058			Artificial Obstruction
160.10	Removal of 6" and 10" cast iron.	748	748			Agreed
160.11	Removal of Artificial Obstructions	1,461	1,461			Agreed
160.12	Removal of Artificial Obstructions (concrete)	3,304	3,304			Artificial Obstruction
160.13	No cost implications					Agreed
160.14	Abandoned Trial Holes	1,303	1,303			Agreed
106.15	Removal of artificial obstructions (old tram foundation)	2,221	2,221			Artificial Obstruction
160.16	Delay due to Flooding Manhole	1,990	1,990			Agreed
160.17	Pumping of flooded manhole	276	276			Agreed
160.18	No cost Implications					Agreed
160.19	Diversion of water main around proposed services	925	925			Agreed
160.20	Removal of Artificial Obstructions (Concrete)	6,402	6,402			Artificial Obstruction
160.21	Removal Cast Iron	947	947			Agreed
160.22	Removal of Artificial Obstructions (Concrete)	1,903	1,903			Agreed
160.23	Demolish Chamber	952	952			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
160.24	Removal of Artificial Obstructions (Concrete)	5,668	5,668			Artificial Obstruction
160.25	Pumping Flooding of Manhole	226	226			Agreed
160.26	nil (see Master Change Control Register)					Blank
160.27	Abandoned trial hole to locate existing bt ducts for new diversion 1C/BT/D/25b	434	434			Agreed
160.28	Removal of Steel beams and concrete from diversions	3,785	3,785			Artificial Obstruction
160.29	Removal of concrete and hand digging around uncharted services	-3,085		3,085	-100%	Artificial Obstruction
160.30	Removal of Concrete and steel beams	858	858			Agreed
160.31	Disrupted Plant	33,580	7,269	-26,311	-78%	Disrupted Plant
160.32	Temporary BT Manhole Shaft	252	252			Agreed
160.33	Concrete and steel beams removed from diversions	26,811	26,811			Artificial Obstruction
160.34	Superseded					Agreed
160.35	Assessed Elsewhere (see Master Change Control Register)					Blank
160.36	Assessed Elsewhere (see Master Change Control Register)					Blank
160.37	Abandoned Trial Holes	370	370			Agreed
160.38	Removal of Artificial Obstructions (Concrete)	241	241			Agreed
160.39	Removal of Artificial Obstructions comprising of Concrete and Steel	1,842	1,842			Agreed
160.40	nil (see Master Change Control Register)					Agreed
160.41	Drilling of unidentified pipes	503	503			Agreed
160.42	Removal of scrap (cast iron pipes)	216	216			Agreed
160.43	Hand digging around chartered and uncharted services					Agreed
160.44	Artificial Obstructions (concrete)	929	929			Agreed
160.45	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.46	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.47	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.48	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.49	Assessed Elsewhere (see Master Change Control Register)					Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
160.50	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.51	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.52	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.53	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.54	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.55	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.56	Artificial obstructions (cast iron)	7,566	7,566			Agreed
160.57	Additional Reinstatement					Agreed
160.58	Removal of Artificial Obstructions (Concrete)	677	677			Agreed
160.59	nil (see Master Change Control Register)					Agreed
160.60	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.61	Artificial Obstructions (Excess Carriageway and Concrete)	5,570	5,570			Artificial Obstruction
160.62	Abandoned Trial Holes	3,467	3,467			Exc Abandonment
160.63	Abandoned Trial Holes - Picardy Place	5,668	5,668			Exc Abandonment
160.64	Removal of Artificial Obstructions (Concrete)	1,315	1,315			Agreed
160.65	Hand Digging around existing services					Agreed
160.66	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.67	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.68	Hand Digging around existing services					Blank
160.69	Delay And Disruption	306	306			Agreed
160.70	Additional Works	2,263	1,194	-1,069	-47%	Other (WS)
160.71	Hand Digging around existing services					Agreed
160.72	nil (see Master Change Control Register)					Agreed
160.73	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.74	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.75	Removal of artificial obstructions (9" Cast iron pipe)	822	822			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
160.76	Demolishing Existing BT Chambers	1,928	1,928			Agreed
160.77	Abandoned trial hole	1,258	1,258			Agreed
160.78	Delay and Disruption					D&D Elsewhere
160.79	Delay and disruption					D&D Elsewhere
160.80	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.81	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.82	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.83	nil (see Master Change Control Register)					Agreed
160.84	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.85	Additional Works	610	610			Agreed
160.86	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.87	Additional works	593	593			Agreed
160.88	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.89	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.90	Additional works	1,333	1,333			Agreed
160.91	Demolish of BT box at Gayfield Square	2,511	1,500	-1,011	-40%	Demolish Chamber
160.92	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.93	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.94	Demolition of BT Box	4,039	2,200	-1,839	-46%	Demolish Chamber
160.95	Non Productive Overtime	3,127	1,500	-1,627	-52%	NPO
160.96	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.97	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.98	Due to the indecision by BT cus were delayed regarding bends over the leith tunnel	2,244	2,244			Agreed
160.99	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.100	Compact undermining in 1C/SW/D/02.	2,244	2,244			Agreed

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
160.101	Re-excavation & works associated with reducing sewer shaft in route of 1C/SW/D/02.	8,658	8,658			Agreed
160.102	Re-excavation of 400mm & 180mm Scottish Water mains due to TM phasing.	1,617	1,617			Agreed
160.103	Hand- Digging around unchartered service connections & additional reinstatement due to poor existing road surface.	1,106	1,106			Agreed
160.104	Provide Gatesman for site access.	796	796			Agreed
160.105	Assessed Elsewhere (see Master Change Control Register)					Agreed
160.106	Additional 2nr. 180mm SW Couplers due to unchartered sewer shaft.	266	266			Agreed
160.107	Artificial Obstruction	6,977	6,977			Agreed
160.108	Artificial Obstruction	2,581	2,581			Agreed
160.109	Artificial Obstruction	3,025	3,025			Agreed
160.110	Hand Digging					Blank
160.111	Additional excavation (abandoned) due to 500mm Gas (1C/LP/D/104) not able to be laid as per IFC.	13,125	13,125			Agreed
160.112	Extra Over for supply connections	7,462	7,462			Agreed
160.113	Hand Digging					Agreed
160.114	Removal & Reinstatement of gulley pots	541	541			Agreed
160.115	Abandoned Trial Hole for Fire Hydrant. 1C/SW/D/02	1,702	1,702			Agreed
160.116	Artificial Obstruction	1,872	1,872			Agreed
160.117	Artificial Obstructions & Additional Reinstatement	3,745	3,745			Agreed
160.118	Assessed Elsewhere (see Master Change Control Register)					Blank
160.119	Ammdment to BT diversion 1C/BT/D/35.	2,469		-2,469	-100%	Other (WS)
160.120	Hand Digging					Blank
160.121	Removal of Historic Tram Rails	299	299			Artificial Obstruction
160.122	Hand Digging					Blank
160.123	Hand Digging					Blank
160.124	Altering Formation of 1C/SW/D/02 at request of Scottish Water.	1,237	1,237			Other (WS)
160.125	Removing Cast	454	454			Utility Abandonment
160.126	Abandoned Trial Hole for Fire Hydrant	221	221			Exc Abandonment
160.127	Wasted excavation in slip trench.	1,006	1,006			Exc Abandonment

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
160.128	Hand Digging for 6" water connection conflict 1C/SW/20.					Blank
160.129	Abandoned Trial Hole	1,031	1,031			Exc Abandonment
160.130	Extra Over Bends on twin 180mm SW mains.	808	808			Other (WS)
160.131	Foam Concrete to support existing cobbles	1,803	1,803			Foam Concrete
160.132	Specialist Welded 22.5 deg bend / EQ tee as standard PE fittings would not provide sufficient cover.	4,085	2,562	-1,523	-37%	Other (WS)
160.133	Re-excavation of 400mm SW diversion to adjust previously agreed formation	37,359		-37,359	-100%	Exc Abandonment
160.134	Stepping back off excavation to maintain safety due to inability to shore caused by proximity of existing SP tunnel.	2,806		-2,806	-100%	Tunnel Works
160.135	Artificial Obstruction 1C/BT/D/26 & 1C/BT/D/27	1,290	1,290			Artificial Obstruction
160.136	Assessed Elsewhere (see Master Change Control Register)					Blank
160.137	Artificial Obstruction within 1C/SP/D/03	519	519			Artificial Obstruction
160.138	Artificial Obstruction 1C/TH/D/03B	1,166	1,166			Artificial Obstruction
160.139	Widened 1C/SP/D/03 due to uncovering uncharted structure.	2,257	2,257			Other (WS)
160.140	Hand Digging within 1C/SP/D/03					Blank
160.141	Hand Digging					Blank
160.142	Concrete & tram sleepers removed from 1C/SP/D/04	1,792	983	-809	-45%	Artificial Obstruction
160.143	Requirement to use 16 no. 160mm Slow Bends on 1C/SP/D/04.	689	346	-343	-50%	Other (WS)
160.144	Additional track width due to encroaching on Baxters Place underground toilets.	3,222	1,612	-1,610	-50%	Other (WS)
160.145	Concrete removed from 1C/VM/D/07	448	248	-200	-45%	Artificial Obstruction
160.146	Extra Over Bends to manouvre existing 30 inch SP tunnel - 1C/SW/D/03.	3,971	2,000	-1,972	-50%	Tunnel Works
160.147	Change Order to Demolish JUF10 and Build MRX402A Demolition of JRF110 to enable construction of MH.	2,149	1,084	-1,066	-50%	Demolish Chamber
160.148	Additional slewing of existing ducts to achieve adequate depth within new MRX402A.	3,335		-3,335	-100%	Slew Utilities

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
160.149	Assessed Elsewhere (see Master Change Control Register)					Blank
160.150	Assessed Elsewhere (see Master Change Control Register)					Blank
160.151	Assessed Elsewhere (see Master Change Control Register)					Blank
160.152	Overbreak of existing TAR & agreed use of Foam Concrete to fill voids caused by cobbles situated underneath existing Tarmac. Refer to CC190.143 for invoices.	24,790		-24,790	-100%	Foam Concrete
160.153	Additional Trial holes as requested to prove route for 6 way BT.	1,088	1,088			Trial Holes
160.154	CUS to carry out additional cores to new MRX402B to facilitate shallow duct line.	196	196			Other (WS)
160.155	Reduce additional 6 way BT 10metres & Re-lay to shallow re-cores to eliminate requirement for bends	2,409	2,409			Other (WS)
160.156	Additional Slweing of 4 way thus & 4 way Scottish Telecoms to provide a route for the additional 6 way BT.	9,139	9,139			Other (WS)
160.157	Slewing of existing 2 way Thus into 1C/TH/D/04.	1,693	1,693			Slew Utilities
160.158	Abandoned Trial Hole required to locate existing LV cables prior to laying 1C/SP/D/03	736	736			Exc Abandonment
160.159	Abandoned excavation as per TQ 1493	1,182	1,182			Exc Abandonment
160.160	Hand Digging due to uncharted cellars & existing services					Blank
160.161	nil (see Master Change Control Register)					Blank
160.162	Delay to Gas Diversions at Leith Walk/London Road	10,133		-10,133	-100%	Other (WS)
160.163	Demolition of JUF12 chamber as per IFC - 1C/BT/D/18	2,610	1,405	-1,205	-46%	Demolish Chamber
160.164	Extra Over excavation required to tie in centre section of BT diversions around London Road Roundabout.	4,549	4,549			Other (WS)
160.165	Abandoned Trial Holes as conflicts 1C1/LP/104 & 1C1/LP/105 not as per IFC or PU drawings (CUS letter 2594)	4,174	4,174			Exc Abandonment
160.166	Hand Digging 1C1/LP/D/103					Blank

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Change Control	Description	Current				Category	
		AFP	Cert	Diff	%		
160.167	Demolition of JUF12 as per IFC due to kerb re-alignment conflicting with conflict 1C/TH/04.		1,361	1,361		Other (WS)	
160.168	Re-excavation of 1C/SW/D/02 & 03 due to culvert obstructing route prior to embargo.		17,156	2,500	-14,656	-85%	Exc Abandonment
160.169	Banksman required to maintain public safety.		972		-972	-100%	Other (WS)
160.170	nil (see Master Change Control Register)						Blank
160.171	Assessed Elsewhere (see Master Change Control Register)						Blank
160.172	Assessed Elsewhere (see Master Change Control Register)						Blank
160.173	1C/BT/D/11 as per TQ 1536 - CUS cannot complete the diversion due to existing services. Trial Hole abandoned - revert back to IFC.		704	704			Trial Holes
160.174	Excavation around, LV disconnection & removal		1,036	1,036			Other (WS)
160.175	Unsuccessful Trial Holes to relocate gas		576	576			Other (WS)
160.176	CUS where required to backfill the SW road		3,335	3,335			Other (WS)
160.177	Additional slewing of existing 6 way BT into new		2,942		-2,942	-100%	Artificial Obstruction
160.178	Abandoned 17 way BT and connection to existing		5,615	3,500	-2,115	-38%	Exc Abandonment
160.179	Extra Over excavation in diversions to enable tie-in in next phase Traffic Management.		3,854	3,854			Other (WS)
160.180	Slewing & Support of existing 125mm PE gas from route of 400mm & 180mm SW diversions.		1,595		-1,595	-100%	Slew Utilities
160.181	Additional excavation to ascertain route & enable investigation by archaeologists.		3,482	2,000	-1,482	-43%	Other (WS)
160.182	Artificial Obstructions at Annandale St.		4,245	4,020	-225	-5%	Artificial Obstruction
160.183	Artificial Obstructions within gas excavations at London Road.		9,072	8,000	-1,072	-12%	Artificial Obstruction
160.184	Artificial Obstructions within BT diversions at London Road.		9,868	8,500	-1,368	-14%	Artificial Obstruction
160.185	Concrete within diversion 1C/VM/D/07 (phase 2).		896	896			Other (WS)
160.186	Artificial Obstruction within 1C/SW/D/06 (phase 2).		1,570	1,570			Artificial Obstruction
160.187	Additional 8 way requested as per tie Change Order 1382, temporarily altered to 10 way.		3,623		-3,623	-100%	Other (WS)
160.188	Pumping out Water ingress from manhole & route of diversions.		365	365			Other (WS)

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Change Control	Description	Current				Category	
		AFP	Cert	Diff	%		
160.189	Drilling, Tapping & subsequent removal of unidentified mains.		190	190		Utility Abandonment	
160.190	Artificial Obstruction within 1C1/LP/D/105		3,115	3,115		Artificial Obstruction	
160.191	Stepping back of excavation to maintain safety required due to extension of connection pit as per record sheet 02656.		2,759		-2,759	-100%	Other (WS)
160.192	Artificial Obstruction within 1C/SP/D/04 & 1C/BT/D/35.		4,028	4,028		Artificial Obstruction	
160.193	Additional excavation for archaeological investigations and to determine route around findings.		8,993	8,993		Other (WS)	
160.194	Drill & tap a 9" cast main on behalf of Infracore.		159	159		Other (WS)	
160.195	Assisting Virgin Media with blockages on their existing ductline on Princes St as requested by tie. Works to progress new cabling.		1,200	500	-700	-58%	Other (WS)
160.196	Reinforced Concrete within additional 8 way BT diversion.		4,092	1,200	-2,892	-71%	Artificial Obstruction
160.197	Assessed Elsewhere (see Master Change Control Register)					Blank	
160.198	Assessed Elsewhere (see Master Change Control Register)					Blank	
160.199	Additional site tidy requested by tie site inspector despite site being acceptable due to Richard Jeffries (tie) attending site.		594	594		Other (WS)	
160.200	CUS required to demolish & rebuild traffic chamber from route of 8way BT.		1,211	850	-361	-30%	Demolish Chamber
160.201	Extra Over couplers & bends on 1C1/LP/D/104.		8,616		-8,616	-100%	Other (WS)
160.202	Abandoned Trial Hole for 1C1/LP/D/107.		1,031	1,031		Exc Abandonment	
160.203	Additional 9" Scottish Water cut & cap from route of 8way BT.		1,877	1,877		Utility Abandonment	
160.204	CUS were requested to assist BT Jointers assess whether or not the design of the 18 way BT being placed through existing manhole (conflict 1C/BT/12) would affect their capability to cable transfer at a later date.		799	799		Other (WS)	
160.205	Concrete within additional 8 way BT		1,287	1,287		Other (WS)	

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Change Control	Description	Current				Category	
		AFP	Cert	Diff	%		
160.206	Abandoned excavation due to existing utilities making SW specification & IFC design unachievable.		1,748	1,748		Exc Abandonment	
160.207	Hand Digging for route of 1C/SW/D/02 & 03.					Blank	
160.208	Artificial Obstruction within 1C1/LP/D/108.		2,586	2,586		Artificial Obstruction	
160.209	Removal & Replacement of 1 no. gully pot & additional sewer piping.		395	200	-195	-49%	Other (WS)
160.210	Abandoned trial hole required to locate existing SP cables. 1C/SP/D/03.		1,632	1,000	-632	-39%	Exc Abandonment
160.211	Extra over excavation on 1C/SW/D/02 & 1C/SW/D/03 due to TM phasing. Caused by alterations to TM made by tie Change Orders 3584 & 3585.		2,454	1,250	-1,204	-49%	Other (WS)
160.212	Extra over excavation on 1C1/LP/D/108 & 1C/SP/D/03 in order to enable connection between two phases of TM.		1,335	1,000	-335	-25%	Other (WS)
160.213	Cancellation costs for Radius Systems due to the indemnity issue between tie & SGN still being unresolved.		3,133		-3,133	-100%	Other (WS)
160.214	Instruction for 0.5m3 C20 concrete around VM ducts at Haddington Place.		40	40			Other (WS)
160.215	Additional Scottish Water works Item 2 of Change Order 5316: Additional Pressure reducing valve, 3 no 150mm SV's, 150mm Water meter, 1 no. hydrant, and tee-piece & pipe will have to be reworked.		33,817	4,500	-29,317	-87%	Other (WS)
160.216	Assessed Elsewhere (see Master Change Control Register)						Blank
160.217	nil (see Master Change Control Register)						Blank
160.218	Resources required to re- excavate and remove temporary BT shaft to MRX405.		2,238	1,200	-1,038	-46%	Other (WS)
160.219	Assessed Elsewhere (see Master Change Control Register)						Blank
160.220	Assessed Elsewhere (see Master Change Control Register)						Blank
160.221	Drilling, Tapping & subsequent removal of existing 9" C/I main from additional 180mm SW.		157	100	-57	-36%	Utility Abandonment

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
160.222	Resouces required to repair 4" SW main on behalf of Infraco. Works requested as per Change Order 4504.	343	200	-143	-42%	Other (WS)
160.223	Artificial Obstructions within 1C/SW/D/06 on Baxters Place TM.	4,365	2,000	-2,365	-54%	Artificial Obstruction
160.224	Commissioning of 500mm gas (1C1/LP/D/105), 400mm gas (1C1/LP/D/108) and 355 gas (1C1/LP/D/107). Bypasses claimed under CC246 as agreed	3,240	2,000	-1,240	-38%	Other (WS)
160.225	Additional 3 no. cores to manhole o/s Youth Hostel at Annandale street due to decision to revert back to IFC.	435	250	-185	-43%	Other (WS)
160.226	CUS required to demolish & rebuild existing virgin media chamber at Greenside lane, as existing chamber was of inadequate size to accept 1C/VM/D/07. IFC shows connection to existing.	991	1,001	10	1%	Demolish Chamber
160.227	Concrete removed from additional Scottish Water works at Antigua Street (works requested under item 2 Change Order 5316).	1,488		-1,488	-100%	Artificial Obstruction
160.228	Instruction to repair water mian on behalf of Infraco. Resources required to repair 4" Scottish Water main on behalf of Infraco as instructed by Change Order 4504.	378	381	3	1%	Other (WS)
160.229	CUS required to re-instate and re-excavate Scottish Water chlorination and testing point above McDonald Road to enable TM for additional 8 way BT.	4,294		-4,294	-100%	Exc Abandonment
160.230	CUS to procure additional 2 no. pallets of BT 54D ducts due to requirement to slew previously laid diversion 1C/BT/D/30 from route of extended 400mm PE gas.	1,838		-1,838	-100%	Slew Utilities
160.231	Delay due to S. Rodgers (Fujitsu) insisting CUS stop works on the BT at Annandale Street.	737	737			Other (WS)
160.232	slew required on 1C/BT/D/30 - BT 24 way to facilitate extension of 400mm gas.	11,605		-11,605	-100%	Slew Utilities

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Change Control	Description	Current						Category
		AFP	Cert	Diff	%			
160.233	Artificial Obstructions and overbreak of excavation due to uncharted red brick structure in route of 400mm PE gas main.			11,306	2,500	-8,806	-78%	Artificial Obstruction
160.234	Concrete within excavation for additional 180mm Scottish Water Diversion at Baxters Place.			819	819			Artificial Obstruction
160.235	Assessed Elsewhere (see Master Change Control Register)							Blank
160.236	Assessed Elsewhere (see Master Change Control Register)							Blank
160.237	Removal of concrete from 355 x 355 connection point at Elm Row.			3,842		-3,842	-100%	Artificial Obstruction
160.238	CUS were required to use 1m3 of concrete to backfill undermining.			50	50			Other (WS)
160.239	Concrete within BT excavavtion at London Road			4,731		-4,731	-100%	Artificial Obstruction
160.240	Requirement to sepertate 1C/BT/D/29 into 2 no. 8 ways to facilitate entrance into existing manhole around existing 16 way. (alteration required as per TQ 1663)			4,517		-4,517	-100%	Other (WS)
160.241	Assessed Elsewhere (see Master Change Control Register)							Blank
160.242	Constructing temporary brickwork chamber in carriageway on 400mm SW diversion for testing purposes.			2,913	2,300	-613	-21%	Other (WS)
160.244	Instruction to engage jointers for 1C/SP/D/05 & 1C/SP/D/06.			3,206	250	-2,956	-92%	Other (WS)
160.245	CUS to procure a purge ejector.			775		-775	-100%	Other (WS)
160.246	CUS requested to place an additional air valve on the existing 16" main at Baxters place. Exisiting main is to remain live during operation so under pressure connection applicable.			8,314	1,750	-6,564	-79%	Other (WS)
160.247	CUS are to sacrafice shoring to support thrust block.			927	650	-277	-30%	Other (WS)
160.248	CUS abandoned excavation due to uncharted stone as per CO 4514.			2,576	2,576			Exc Abandonment

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Change Control	Description	Current				Category	
		AFP	Cert	Diff	%		
160.249	CUS were required to remove cast from existing SP cables to identify cable types then re split duct after correct cables identified.		1,188	1,188		Other (WS)	
160.250	CUS to use foam concrete as backfill for the gas abandonment trench at London Road.		1,352	1,352		Foam Concrete	
160.251	CUS to install 2m3 of concrete protection to BT diversions.		182	182		Other (WS)	
160.252	Delay due to leaking 4" SW asset (awaiting SW) and resources to repair as requested by Change Order 3899.		1,421		-1,421	-100%	Other (WS)
160.253	Assessed Elsewhere (see Master Change Control Register)					Blank	
160.254	Requested to deliver 30m of 240V 4 core cable to Princes St for Infracore.		118	118		Other (WS)	
160.255	Concrete within excavation for 1C/BT/D/11, 12 & 13 at Annandale St.		2,294	1,850	-444	-19%	Artificial Obstruction
160.256	CUS required to excavate & backfill 2 no. 180mm connection point trial holes for 1C1/LP/D/103 due to TM & SGN indemnity issue.		1,963	1,963		Trial Holes	
160.257	Additional Reinstatement & Additional Backfill at Annandale street due to isolation of existing TAR and loose ground above existing Sp tunnel.		1,218	800	-418	-34%	Tunnel Works
160.258	Abandoned Trial Hole as CUS cannot connect to 16" main at Baxters Place as per IFC design. (1C/SW/D/06). Consequently the connection point was amended by site TQ: SW8 (copy attached).		5,410	3,500	-1,910	-35%	Exc Abandonment
160.259	Additional cores to manhole 1C/BT/D/34 due to additional ducting added to crossing 1C/BT/D/35 post completion of manhole.		1,567	1,000	-567	-36%	Other (WS)
160.260	Additional flow stop connection on 1C1/LP/D/108 (355mm PE at Elm Row) due to required process of commissioning gas network.		8,256		-8,256	-100%	Utility Abandonment

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Change Control	Description	Current				Category	
		AFP	Cert	Diff	%		
160.261	Additional flow stopping to decommission conflict 1C1/LP/104 at London Road Roundabout as per attached NRO's.		14,243	-14,243	-100%	Utility Abandonment	
CR 164							
164.01	Works to disband services to the Caledonian Ale House.		2,905	2,905		Agreed	
164.02	Assessed Elsewhere (see Master Change Register)					Agreed	
164.03	Removal of Blister to progress works.		2,864	2,864		Agreed	
164.04	Demolish existing chamber and spilt duct through.		887	887		Agreed	
164.05	Demolish 2 x Virgin Media Chambers (JF2) to replace with carriageway chambers.		1,265	1,265		Agreed	
164.06	Working on weekend 7th & 8th June to lay 2way Thus & additional 2 x 150mm Scottish Power ducts across road where TM was only obtainable at weekend.		2,461	2,461		Agreed	
164.07	Assessed Elsewhere (see Master Change Register)					Agreed	
164.08	Assessed Elsewhere (see Master Change Register)					Agreed	
164.09	Assessed Elsewhere (see Master Change Register)					Agreed	
164.10	Abandoned Trial Holes to assist with technical queries.		1,140	1,140		Agreed	
164.11	Assessed Elsewhere (see Master Change Register)					Blank	
164.12	Logistic Support for Haymarket area		333,980	329,859	-4,121	-1%	Logistic Support
164.13	Nil (see Master Change Register)					Blank	
164.14	Assessed Elsewhere (see Master Change Register)					Blank	
164.15	Demolishing chamber to rebuild CH/VM/2A/04/01.		401	401		Agreed	
164.16	Re-excavation of 2A/TE/D/01.		11,026	11,026		Agreed	
164.17	Backfilling excavations at request of tie		529	529		Agreed	
164.18	All Disrupted Plant Relating to 2A-01-01		46,929	46,929		Agreed	

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Change Control	Description	Current				Category	
		AFP	Cert	Diff	%		
164.19	Abandoned Trial Holes		279	279		Exc Abandonment	
164.20	Assessed Elsewhere (see Master Change Register)					Blank	
164.21	Demolish existing JUF6 chamber to rebuild THUS carriageway RC12		502	502		Demolish Chamber	
164.22	Assessed Elsewhere (see Master Change Register)					Blank	
164.23	Assessed Elsewhere (see Master Change Register)					Blank	
164.24	Installation of 3 No Virgin Media cabinets as per schedule		4,848	3,100	-1,748	-36%	Other (WS)
164.25	Assessed Elsewhere (see Master Change Register)					Blank	
164.26	Assessed Elsewhere (see Master Change Register)					Blank	
164.27	Removal of trees, shrubbery and memorial plaque from route of diversions.		276	276		Agreed	
164.28	Hand Digging.					Agreed	
164.29	Artificial Obstructions		238	238		Agreed	
164.30	Assessed Elsewhere (see Master Change Register)					Blank	
164.31	Abandoned Trial Holes		757	757		Agreed	
164.32	N.P.O associated with essential weekend working as per Change Order 3498.		1,400	1,400		Agreed	
164.33	Assessed Elsewhere (see Master Change Register)					Blank	
164.34	Assessed Elsewhere (see Master Change Register)					Blank	
164.35	N.P.O associated with weekend working.		3,173	3,173		NPO	
164.36	Assessed Elsewhere (see Master Change Register)					Blank	
164.37	Enabling Works at entrance to Haymarket Yards.		2,718	2,718		Other (WS)	
164.38	Assessed Elsewhere (see Master Change Register)					Blank	
164.39	Assessed Elsewhere (see Master Change Register)					Blank	
164.40	Hand Digging					Agreed	
164.41	Additonal Backfill and Reinstatement.		977	977		Agreed	

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
164.42	Careful removal of concrete trough.	414	414			Agreed
164.43	Removal of steps at Roseberry House.	107	107			Agreed
164.44	Hand Digging					Agreed
164.45	Removal of 3 Nr. Lighting Columns.	389	389			Agreed
164.46	Standing time awaiting L&M co-ordinates for 2A/SGN/D/02.	89	89			Agreed
164.47	Assessed Elsewhere (see Master Change Register)					Blank
164.48	Excavating Joint Bay to enable disconnection of lamppost at entrance to Haymarket Yards.	189	189			Agreed
164.49	Delay in laying 180mm Gas main (2A/SGN/D/02) due to unchartered brick structure.	276	276			Agreed
164.50	Additional width in excavation 2A/SP/D/01 due to undermining caused by unchartered brick structure.	6,316	6,316			Other (WS)
164.51	Downtime due to delay in opening Haymarket Yards	973	973			Agreed
164.52	Artificial Obstructions	811	811			Agreed
164.53	Downtime / Hand-Digging / Wasted excavations whilst trying to locate Gas supply to Roseberry House.	2,454	2,454			Other (WS)
164.54	Downtime due to unchartered brick structure	679	679			Agreed
164.55	Extension of CW2 Chamber to accept new duct line.	1,418	1,418			Agreed
164.56	2 man team to bore 2" C/I suspected Gas main from route of 2A/SGN/D/02	27	27			Agreed
164.57	Additional footway reinstatement due to subsidence.	4,938		-4,938	-100%	Other (WS)
164.58	Reinforced Concrete under Footpath	1,831	1,831			Artificial Obstruction
164.59	Demolishing Chamber - 2A/BT/D/01	1,463	1,463			Agreed
164.60	Hand Digging / Downtime due to red bricks and roots in route of diversion 2A/PW/D/02.					Agreed
164.61	Assessed Elsewhere (see Master Change Register)					Blank
164.62	Assessed Elsewhere (see Master Change Register)					Blank
164.63	Additional Power cables required due to extension of 2A/SP/D/01	6,621		-6,621	-100%	Other (WS)

Authorised as agreed by CUS-----date----- Authorised as agreed by tie-----date-----

Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
164.64	Removal of lamposts from Haymarket Yards. Assessed Elsewhere (see Master Change Register)	499	499			Agreed
164.65	Assessed Elsewhere (see Master Change Register)					Blank
164.66	Assessed Elsewhere (see Master Change Register)					Blank
164.67	Agreement to temporary reinstatement traffic island to progress other diversions.	6,188	4,696	-1,492	-24%	Other (WS)
164.68	Reinforced Concrete in 2A/PW/D/01.	2,299	2,299			Agreed
164.69	Reinforced Concrete in 2A/TH/D/03.	773	773			Agreed
164.70	Delay Awaiting BT Re-jointing historic duct line.					D&D Elsewhere
164.71	Removing unchartered brick structure from route of 2A/SGN/D/02.	295	295			Agreed
164.72	Re-excavation of 2A/PW/D/01 due to change to protectaline coil.	2,572	2,572			Other (WS)
164.73	Artificial Obstruction	541	541			Agreed
164.74	Double Handling due to limited work area					D&D Elsewhere
164.75	Downtime & wasted materials due to uncertainty caused by unchartered structure.	546	546			Agreed
164.76	Demolition of Virgin Media JUF6 as per TQ 1016	2,171	1,093	-1,078	-50%	Demolish Chamber
164.77	Demolition of Cable & Wireless JUF6 as per TQ 1015	2,171	1,093	-1,078	-50%	Demolish Chamber
164.78	Abandoned Trial Hole for 2A/BT/D/01, CW12 no longer required.	795	795			Agreed
164.79	Additional Track due to undermining caused by unchartered brick structure.	1,165	1,165			Agreed
164.80	Concrete	242	242			Agreed
164.81	Additional Slewing of existing power & street lighting from route of 2A/PW/D/01.	3,406	3,406			Agreed
164.82	As per change order Carillion were required to excavate to remove bull head sculptures at the entrance to Haymarket Yards	704	704			Agreed
164.83	Cutting into ducting on 2A/SP/D/02 to enable jointing of additional SP road crossing.	119	119			Agreed
164.84	Concrete	1,868	1,868			Artificial Obstruction
164.85	Assessed Elsewhere (see Master Change Register)					Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
164.86	Assessed Elsewhere (see Master Change Register)					Blank
164.87	Assessed Elsewhere (see Master Change Register)					Blank
164.88	2A/TH/D/04 additional diversion of existing ductline in order to enable transfer of cables post demolition of existing FW4 box. Also additional bends to manouvre BT 6 box.	1,904	1,904			Agreed
164.89	Removal and replacement of sewer to allow route for 2A/SGN/D/03.	660	660			Agreed
164.90	Cold Taring & permanent hire of road plates to facilitate weekend working.	4,214	4,214			Agreed
164.91	Delay during weekend working as exposed a concrete shaft in route of 2A/SGN/D/03 and no tie representative was available to authorise removal.	368	368			Agreed
164.92	Delay due to temperature below 2 degress celcius stopping pouring of concrete for JRC11 - 2A/BT/D/01. This resulted in a consequential delay to the start date of 2A/SP/D/01, 2A/BT/D/01, 2A/TH/D/03, 2A/PW/D/02	567	567			Agreed
164.93	Removal of additional shrubbery.	241	241			Agreed
164.94	Reinforced Concrete	1,348	1,348			Agreed
164.95	Additional works to existing telecoms to enable route for 2A/SGN/D/02 & 2A/PW/D/01.	4,714	4,714			Agreed
164.96	Assessed Elsewhere (see Master Change Register)					Blank
164.97	Additional footway reinstatement due to subsidence.	2,785	2,785			Agreed
164.98	Undermining in additional road crossing for 2A/SP/D/01 due to red brick and loose ground.	3,991	3,991			Agreed
164.99	Re- erecting 2nr lampposts.	418	418			Agreed
164.100	Reinforced Concrete	2,998	2,998			Agreed
164.101	Assessed Elsewhere (see Master Change Register)					Blank
164.102	Hand Digging for route of 2A/PW/D/02 due to multitude of existing utilities.					Blank

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Change Control	Description	Current					Category
		AFP	Cert	Diff	%		
164.103	Assessed Elsewhere (see Master Change Register)						Blank
164.104	Assessed Elsewhere (see Master Change Register)						Blank
164.105	Assessed Elsewhere (see Master Change Register)						Blank
164.106	Assessed Elsewhere (see Master Change Register)						Blank
164.107	Assessed Elsewhere (see Master Change Register)						Blank
164.108	Provision of temporary power supply & fuel to aid Virgin Media's cable transferring			99	99		Agreed
164.109	Additional excavtion in extension of 2A/SP/D/01 due to obstructions within existing ground.			2,880	2,880		Agreed
164.110	Artificial Obstruction			875	875		Agreed
164.111	Temporary Walkway for maitaining pedestrian access to Roseberry House.						Agreed
164.112	Cut back on exiting duct line in order to swing cables into new joint bay at Roseberry House.			2,326	2,326		Agreed
164.113	Re-inforced concrete.			259	259		Agreed
164.114	Re-excavation of 2A/SGN/D/01 to enable commissioning.			2,292	2,292		Agreed
164.115	Undermining in additional road crossing for 2A/SP/D/01 due to red brick & loose ground.			3,405	3,405		Agreed
164.116	Re-excavation of Scottish Power joint bay at adjacent to INFRACO worksite and Haymarket train station.			2,240	2,240		Agreed
164.117	Street Furniture			88	88		Agreed
164.118	Additional Reinstatement			232	232		Agreed
164.119	2A/PW/D/01 - De-scoping/ abandonment of the North Twin crossings as per TQ 1279.			5,321	5,321		Utility Abandonment
164.120	Temporary Backfill of uncomplete diversions to enable Traffic Management switch to progress 2A/SP/D/01.			2,847	2,847		Agreed
164.121	Artificial Obstructions						Agreed
164.122	Assessed Elsewhere (see Master Change Register)						Blank

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Change Control	Description	Current				Category		
		AFP	Cert	Diff	%			
164.123	Dig back on six metres of 2A/SP/D/01 that was already laid and lower ducts to NE 2.5m deep due to existing sewer. (further six metre section not yet excavated will have to be NE 2.5m deep - captured in remeasure)			2,606	2,606		Other (WS)	
164.124	Assessed Elsewhere (see Master Change Register)						Blank	
164.125	Artificial Obstruction						Agreed	
164.126	Hand-Digging						Agreed	
164.127	Artificial Obstruction			2,064	2,064		Agreed	
164.128	Reinstatement of Steps at Roseberry House.			747	747		Agreed	
164.129	Re-excavation of Temporary Backfill.			2,052	2,052		Other (WS)	
164.130	Carillion have experienced a large amount of hand digging at the above diversion						Agreed	
164.131	As per Tie change order 3642 Carillion were requested to expose the power supply to the Virgin media cabinets			1,746	1,746		Other (WS)	
164.132	Gas abandonment as per schedule. (bypass claimed under CC246 as agreed)			5,882		-5,882	-100%	Other (WS)
164.133	Assessed Elsewhere (see Master Change Register)						Blank	
164.134	Carillion were required to stand down due to H&S			534	534		Other (WS)	
164.135	Additional Reinstatement due to poor existing road surface & diversionary works prior to MUDFA			3,263	3,263		Other (WS)	
164.136	Assessed Elsewhere (see Master Change Register)						Blank	
164.137	Extra Over 2 no. 180mm MDPE 45 deg Bends due to unchartered sewer shaft.			546	546		Other (WS)	
164.138	Carillion were requested to remove 3no Virgin Media cabinets to allow the above diversion			1,649	1,649		Other (WS)	
164.139	Due to space constraints Carillion were required to transport material to and from worksite by wheelbarrow.			182	182		Other (WS)	
CR 169								

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		Current						
Change Control	Description			AFP	Cert	Diff	%	Category
169.04	Cus were required to stop works on site due land ownership issues.			1,257	1,257			Agreed
169.06	Excavation of Trial Holes as requested			3,258	3,258			Agreed
169.07	disrupted plant			627	627			Agreed
CR 185								
185.3	Abandoned Trial holes (ocean terminal)			1,016	1,016			Exc Abandonment
185.4	Trial holes on Ocean Drive			2,947	2,947			Trial Holes
185.5	Repair of steel Plate			181	181			Other (WS)
CR 190								
190.02	Demolish of BT manhole (MRX608B)			6,779	6,779			Demolish Chamber
190.03	Demolish of BT manhole			7,034	7,034			Demolish Chamber
190.04	Trial holes			2,787	2,787			Agreed
190.05	Trial Holes			748	748			Agreed
190.06	Drilling unidentified mains			208	208			Agreed
190.07	Assessed Elsewhere (see Master Change Control Register)							Blank
190.08	Abandoned trial hole			515	515			Agreed
190.09	Assessed Elsewhere (see Master Change Control Register)							Blank
190.10	Assessed Elsewhere (see Master Change Control Register)							Blank
190.11	Delay and disruption			511	511			Agreed
190.12	Trial Holes			845	845			Agreed
190.13	Assessed Elsewhere (see Master Change Control Register)							Blank
190.14	nil (see Master Change Control Register)							Blank
190.15	Assessed Elsewhere (see Master Change Control Register)							Blank
190.16	Additional Works			1,062	1,062			Agreed
190.17	All disrupted plant associated with 1C-05-01			9,347	9,347			Disrupted Plant
190.18	Hand Digging			5,298	5,298			Hand Digging
190.19	Delay and Disruption			554	554			Agreed
190.20	Double Handling							D&D Elsewhere
190.21	Double Handling Materials			673	673			Agreed

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
190.22	Delay and Disruption	730	730			Agreed
190.23	Additional Works	1,564	1,564			Agreed
190.24	Artificial Obstructions	3,041	3,041			Agreed
190.25	Assessed Elsewhere (see Master Change Control Register)					Blank
190.26	Assessed Elsewhere (see Master Change Control Register)					Blank
190.27	Assessed Elsewhere (see Master Change Control Register)					Blank
190.28	Assessed Elsewhere (see Master Change Control Register)					Blank
190.29	Concrete Protection over shallow diversion	717	717			Other (WS)
190.30	Hand Digging					Agreed
190.31	nil (see Master Change Control Register)					Blank
190.32	Artificial Obstructions	7,471	7,471			Artificial Obstruction
190.33	Hand Digging	4,587	4,587			Hand Digging
190.34	Removal of undermined Carraigeway	2,673	2,673			Other (WS)
190.35	Assessed Elsewhere (see Master Change Control Register)					Blank
190.36	Trial Holes	506	506			Trial holes
190.37	nil (see Master Change Control Register)					Blank
190.38	Picking up litter	3,097	3,097			Other (WS)
190.39	Reconstruction of Sewer Shaft	3,356	3,356			Other (WS)
190.40	Assessed Elsewhere (see Master Change Control Register)					Blank
190.41	Artificial Obstructions	655	655			Artificial Obstruction
190.42	Temporary backfilling of excavation	7,038	7,038			Other (WS)
190.43	Extra over foam concrete for Picardy Place - 1C-05-01, as per CVI 01356. To be read in conjunction with CC160.152 as 109m3 already claimed against 1C-04-01.	3,556	3,556			Foam Concrete
190.44	nil (see Master Change Control Register)					Blank
190.45	Hand Digging					Blank
190.46	Assessed Elsewhere (see Master Change Control Register)					Blank
190.47	Assessed Elsewhere (see Master Change Control Register)					Blank
190.48	nil (see Master Change Control Register)					Blank

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
190.49	Delay and disruption due to additional depth of diversion					D&D Elsewhere
190.50	Artificial Obstructions		2,283	2,283		Artificial Obstruction
190.51	Delay and disruption awaiting instruction from tie					D&D Elsewhere
190.52	nil (see Master Change Control Register)					Trial Holes
190.53	Trial Holes		1,816	1,816		Other (WS)
190.54	Temporary backfill of excavation		2,287	2,287		Other (WS)
190.56	Delay and Disruption					D&D Elsewhere
190.57	Investigative works		2,929	2,929		Other (WS)
190.58	Trial Hole		1,077	1,077		Trial Holes
190.59	Delay and Disruption					D&D Elsewhere
190.60	Abandoned Manhole		6,809	6,809		Exc Abandonment
190.61	Trial Hole		1,840	1,840		Trial Holes
190.62	nil (see Master Change Control Register)					Blank
190.63	Artificial Obstruction		255	255		Artificial Obstruction
190.64	Assessed Elsewhere (see Master Change Control Register)					Blank
190.65	CUS requested to undertake additional trial hole 10 metres up Elder St junction as contingency plan (abandoned)		3,978	3,978		Trial Holes
190.66	Assessed Elsewhere (see Master Change Control Register)					Blank
190.67	Hand Digging					Blank
190.68	Delay due to unchartered concrete structure		335	335		Other (WS)
160.69	Investigative works		677	677		Other (WS)
190.70	Daily removal of rubbish site wide		127	127		Other (WS)
190.71	Daily removal of rubbish site wide		706	706		Other (WS)
190.72	Slew and lower of existing 16 way		1,965	1,965		Slew Utilities
190.73	Removal of excess carraigeway		1,150	1,150		Other (WS)
190.74	Topographical survey - Broughton St		549	549		Other (WS)
190.75	Assessed Elsewhere (see Master Change Control Register)					Blank
190.76	Removal of Underground Structure roof		8,191	8,191		Artificial Obstruction
190.77	Backfill and re-excavation of trench		1,551	1,551		Other (WS)
190.78	Delay and disruption					D&D Elsewhere
190.79	Delay and Disruption					D&D Elsewhere
190.80	Hand Digging					Blank
190.81	Foam Concrete Backfill		300	300		Foam Concrete

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
190.82	Assessed Elsewhere (see Master Change Control Register)					Blank
190.83	Delay and Disruption/ Investigative works					D&D Elsewhere
190.84	Site welfare - removing litter from site	556	556			Other (WS)
190.85	Due to revised position of BT Manhole 1C/BT/D/62 cus has abandoned part of diversion 1C/BT/D/68 - east section	1,686		-1,686	-100%	Utility Abandonment
190.86	Assessed Elsewhere (see Master Change Control Register)					Blank
190.87	Hand Digging					Blank
190.88	Hand Digging					Blank
190.89	Assessed Elsewhere (see Master Change Control Register)					Blank
190.90	Assessed Elsewhere (see Master Change Control Register)					Blank
190.91	Drilling unchartered gas mains	409	409			Other (WS)
190.92	Artificial Obstruction	1,529	1,529			Artificial Obstruction
190.93	Reduced productivity due to site restrictions	3,993	3,993			Other (WS)
190.94	CUS instructed as per Change Order 4656 to temporary backfill the 180 & 400 water to allow progression of the 16 way SP.	1,229	1,229			Other (WS)
190.95	Demolish & rebuild of JRF11A as instructed by TQ 1575 to provide a route for the 180mm SW diversion.	2,930	2,930			Demolish Chamber
190.96	Temporarily backfilled Joint Bay	3,747	3,747			Other (WS)
190.97	Directing traffic on York PI	47	47			Other (WS)
190.98	Assessed Elsewhere (see Master Change Control Register)					Blank
190.99	Hand Digging					Blank
190.100	Hand Digging					Blank
190.101	Removing silt from underground structure	2,880	2,880			Other (WS)
190.102	Hand Digging					Blank
190.103	CUS infilled underground structure at London Rd/ Playhouse as per drawings detailed under Change Order 3419	7,177	7,177			Other (WS)
190.104	Additional works to underground cellar	8,687	8,687			Other (WS)
190.105	Delay and disruption awaiting information on underground cellars o/s Conan Doyle					D&D Elsewhere
190.106	Delay and Disruption					D&D Elsewhere

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Change Control	Description	Current				Category
		AFP	Cert	Diff	%	
190.107	Assessed Elsewhere (see Master Change Control Register)					Blank
190.108	CUS as agreed procured 30 no. steel plates to protect existing live HV ducts whilst new comms diversions where being laid.		1,121	1,121		Other (WS)
190.109	Assessed Elsewhere (see Master Change Control Register)					Blank
190.110	Manhole Survey		325	325		Other (WS)
190.111	nil (see Master Change Control Register)					Blank
190.112	Hand Digging					Blank
190.113	Delay and Disruption					D&D Elsewhere
190.114	Hand Digging					Blank
190.115	Assessed Elsewhere (see Master Change Control Register)					Blank
190.116	Removal of redundant gully o/s Conan Doyle		475	475		Other (WS)
190.117	Foam Concrete backfill		401	401		Foam Concrete
190.118	Hand Digging					Blank
190.119	Assessed Elsewhere (see Master Change Control Register)					Blank
190.120	requirement for foam concrete to backfill diversions o/s the Conan Doyle to enable TM switch		2,554	2,554		Foam Concrete
190.121	Assessed Elsewhere (see Master Change Control Register)					Blank
190.122	Total measure requierd to Slew existing 3 way thus from route of Scottish Power diversion equates to 71 metres, however 44 metres has previously been cliamed under CC129.180.		4,504	4,504		Slew Utilities
190.123	Repair of existing link box cover		574	574		Other (WS)
190.124	Modification to existing sewer		22,681	22,681		Other (WS)
190.125	Assessed Elsewhere (see Master Change Control Register)					Blank
190.126	Assessed Elsewhere (see Master Change Control Register)					Blank
190.127	nil (see Master Change Control Register)					Blank
190.128	Assessed Elsewhere (see Master Change Control Register)					Blank
190.129	Assessed Elsewhere (see Master Change Control Register)					Blank

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Change Control	Description	Current					Category
		AFP	Cert	Diff	%		
190.130	As per Change Order 3593 CUS have pre-fabricated 6 no. concrete slabs for future sewer works.		621	621			Other (WS)
190.131	Assessed Elsewhere (see Master Change Control Register)						Blank
190.132	Completion of modification to existing sewer at Elder street.		2,851	2,851			Other (WS)
190.133	Concrete removed from centre section Traffic Management - York Place.		2,731	2,731			Artificial Obstruction
190.134	Additional backfill and reinstatement due to underground structure within route of 1C/BT/D/36.		5,470	5,470			Other (WS)
190.135	Additional Scottish Water works Item 5: Fire Hydrant at Cathedral Lane. CUS excavated, SW installed.		1,896	1,896			Other (WS)
190.136	Removal of lamppost and road sign.		1,254	1,254			Other (WS)
190.137	Increased shaft size on the MRX608A at Elder Street due to congestion of utilities.		4,631	4,631			Other (WS)
190.138	Foam concrete for backfill on York Place due to time constraints.		9,015	9,015			Foam Concrete
190.139	Abandonment of: 32 way BT (1C/BT/D/58), 1 way BT (1C/BT/D/59) & MRX402A (1C/BT/D/60) due to design issues.			97,876	97,876		Utility Abandonment
190.140	Demolition of 2 no JRF106's as per schedule and construction of a temporary JUF6 to enable a blown fibre tube joint.		2,575	2,575			Other (WS)
190.141	Abandonment of trial hole for MRX412.		5,862	5,862			Exc Abandonment
190.142	Requirement to demolish and rebuild a JRCX12 to facilitate the laying of diversion 1C/SP/D/02 underneath.		2,041	2,041			Demolish Chamber
190.143	CUS to carry out 9 additional core drills to the 613 manhole at Elder Street.		1,044	1,044			Other (WS)
190.144	requirement for AJ Jointing to carry out electrical jointing of diversion 1C1/SP/D/02.		3,329	3,329			Other (WS)
190.145	Assessed Elsewhere (see Master Change Control Register)						Blank
190.146	CUS to use foam concrete as backfill on the twin water crossing 1C/SW/D/11.		1,953	1,953			Foam Concrete

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		Current				
Change Control	Description	AFP	Cert	Diff	%	Category
190.147	CUS required to break out redundant culvert o/s the Conan Doyle, which had previously been infilled with C40 concrete.	7,536	7,536			Artificial Obstruction
190.148	Assessed Elsewhere (see Master Change Control Register)					Blank
190.149	nil (see Master Change Control Register)					Blank
190.150	CUS were required to excavate a buried valve at Elder St for Scottish Water to prove the network for cut & cap operation.	201	201			Other (WS)
190.151	CUS to install a stop end on the 315mm gas diversion due to the emabargo.	175	175			Other (WS)
190.152	As discussed with Ken Reddington (SP) & Lloyd Glen (tie), CUS are to provide 2 operatives to assist SP with jointing.	636	636			Other (WS)
190.153	CUS were required to use foam concrete to accelarate the program and insure the TM switch to area 9 is achieved.	5,008	5,008			Foam Concrete
190.154	Assessed Elsewhere (see Master Change Control Register)					Blank
190.155	Additional works to repair non MUDFA related drainage issue.	1,414	1,414			Other (WS)
190.156	Staking of slabs from the conan doyle to o/s #16 York Place for CEC Flatbed to collect.	276	276			Other (WS)
190.157	CUS were required to excavte back on the existing 8 way SP cables at elder st to slew to enable spiking and jointing required for 1C/SP/D/02.	2,385	2,385			Slew Utilities
190.158	Due to relocation of diversion as per tie Change Order 3427 (item 2) CUS were required to abandon 16 metres of 1C/SP/D/02 & 1 no. joint bay.	14,482	14,482			Utility Abandonment
CR 192						
192.20	10 No Trial Holes at S1A Chancelot Mill					Agreed
192.40	Trial holes at Chancelot Mill	4,304	4,304			Agreed
CR 198						

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				Current				
Change Control	Description			AFP	Cert	Diff	%	Category
198	1A-01-01			3,643		-3,643	-100%	NPO
198	2A-01-01			21,539	21,539	0	0%	NPO
198	1D-01-01			73,348	51,317	-22,031	-30%	NPO
198	1D-04-01			21,579	21,579			NPO
198	1C-01-01			68,208	68,208			NPO
198	1C-04-01			63,738	27,696	-36,042	-57%	NPO
198	1B-01-01			18,941	16,337	-2,604	-14%	NPO
198	1B-02-01			10,932	10,490	-442	-4%	NPO
198	1C-05-01			62,971	46,014	-16,957	-27%	NPO
198	1C-03-02			110,307	116,134	5,827	5%	NPO
CC 228								
228.07	CUS to prove existing SP ductline by means of Cobra			1,025	1,025	0	0%	Other (WS)
228.08	All Disrupted Plant Relating to Worksite 7B			542		-542	-100%	Disrupted Plant
CC 231								
231.03	Core Drilling			96	96			Other (WS)
CC 246								
246.00	Bypass - All Sites			672,039	65,840	-606,199	-90%	Bypass
ENABLING								
108	Removal of Princes St. Central Reservation			101,913	101,913			Enabling
	Enabling works for St Andrew Square Utility Diversions							
109	Instruction to proceed with works			1,646,539	1,646,539			Enabling
109.4	Enabling Works CVI's			202,366	202,366			Enabling
109.23	Whitelining Works			588,235	588,235			Enabling
158	Constitution Street Enabling Works			224,729	224,729			Enabling
163	Enabling works for 1C (Top of Leith Walk)			134,130	134,130			Enabling
166	5B Enabling Works			63,029	63,029			Enabling
170	2A Enabling works (Haymarket)			419,574	419,574			Enabling
175	General Enabling Works			1,479,134	1,479,134			Enabling
183	5C Enabling Works, Gogar Roundabout			99,494	99,494			Enabling

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				Current				
Change Control	Description			AFP	Cert	Diff	%	Category
189	Side entry manholes, Leith Walk			2,313,175	2,351,788	38,613	2%	Enabling
213	Enabling Works 1A-01-01			15,866	15,866			Enabling
218	Enabling Works 1C-01-01			3,391	3,391			Enabling
220	Enabling Works 1C-03-02			8,976	8,976			Enabling
221	Enabling Works 1C-04-01			114,281	114,281			Enabling
222	Enabling Works York Place			74,003	74,003			Enabling
223	Enabling Works Haymarket			6,682	6,682			Enabling
224	Enabling Works 1D-04-01			40,967	40,967			Enabling
Enabling	Global Enabling Deduction				-953,807	-953,807		Enabling
WORKSITE MEASURE								
1A-03-00	(Trial Site)			52,680	52,680			Agreed
1A-01-01	Constitution Street			1,603,574	1,242,869	-360,704	-22%	Measure
1A-01-02	Rennie's Isle			36,367	29,662	-6,705	-18%	Measure
1A-02-01	Ocean Terminal							Agreed
1A-03-01	Tower St. to Rennies Isle as previous			619,999	619,999			Agreed
1A-04-01	Newhaven Roudabout to Ocean Terminal							Agreed
1B-01-01	Leith Walk; McDonald Rd. - Iona St.			2,217,905	1,887,823	-330,082	-15%	Measure
1B-02-01	Leith Walk; Balfour St - Constitution St			2,420,598	2,092,271	-328,327	-14%	Measure
RAT 1B 01	Jane Street BT Manholes							Agreed
1C-01-01	The Mound			504,798	489,068	-15,730	-3%	Measure
1C-01-02	Mound to Castle St. East			23,372	23,372			Agreed
1C-02-01	Mound to South St Andrews St			239,921	221,132	-18,790	-8%	Measure
1C-03-02	York Place to South St Andrews Street			1,608,268	972,178	-636,090	-40%	Measure

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Change Control	Description	Current						Category
		AFP	Cert	Diff	%			
1C-04-01	Broughton Street - McDonald Road			1,718,641	1,298,379	-420,262	-24%	Measure
1C-05-01	Union Street - York Place			771,533	736,665	-34,868	-5%	Measure
RAT 1C 01	St Andrews Square			536,885	536,885			Agreed
1D-01-01	Manor Place to Haymarket			1,571,089	1,299,260	-271,829	-17%	Measure
1D-04-01	Shandwick Place			1,635,717	1,432,632	-203,085	-12%	Measure
1D-05-02	Castle Street East to Castle St. West			47,282	47,282			Agreed
2A-01-01	Haymarket RaT 2A			546,444	478,021	-68,423	-13%	Measure
5A-08-02	Roseburn St to Russell Rd as previously certified			109,962	109,962			Agreed
5B-01-01	Broomhouse Rd to Edinburgh Park			441,258	441,257	-1	-0%	Measure
5C-01-01	Gogarburn to Edinburgh Park TS			1,202,958	1,202,958			Agreed
6A-01-01	6A-01-01 Gogar Depot MUDFA			571,786	571,786			Agreed
7A-02-01	Gogarburn - Ingliston Park & Ride Prov. Allowance			41,174	41,174			Agreed
7B-01-01	Edinburgh Airport							Agreed
PRELIMS								
PCS	Pre-construction Services			987,611	987,611	-0	-0%	Agreed
Prelims	Prelims			8,936,461	8,936,462	0	0%	Prelims
OTHER ITEMS								
Other	Gogar Depot (phase 1)			3,290,997	3,290,997			Agreed
Other	Gogar Depot (phase 2)			2,020,504	2,020,504			Other (Non WS)
Other	Gain Share			256,000	256,000			Agreed
Other	Indices			1,587,000	1,587,000			Agreed
Other	Materials on Site			349,348	13,168	-336,180	-96%	MOS
Claim	Entitlement (Up to September 2008)			1,880,000	1,880,000			Agreed
Claim	Entitlement (From 1st October 2008)			13,244,871	1,109,426	-12,135,445	-92%	Entitlement

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2833.00

				Current				
Change Control	Description			AFP	Cert	Diff	%	Category
Other	Hand Digging			529,229	152,000	-377,229	-71%	Hand Digging
Other	Tie Deductions			-15,000	-299,189	-284,189	1895%	tie Deductions

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