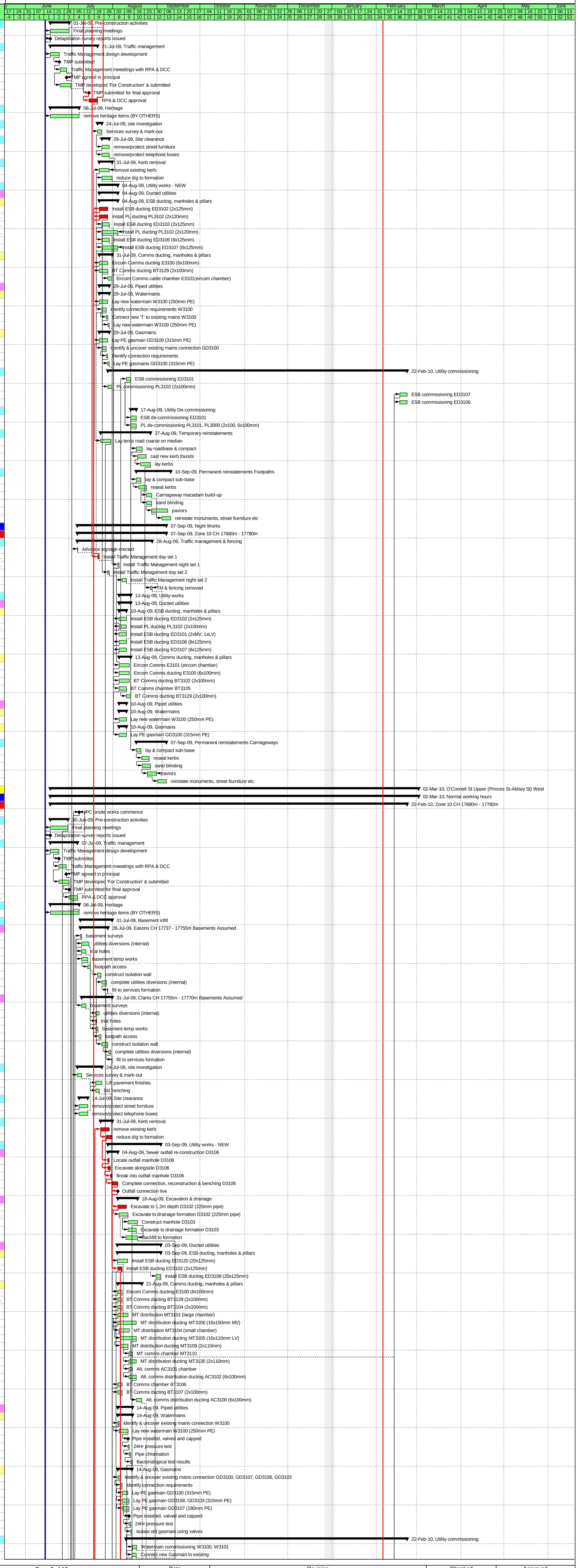
Utility Diversions & Civil Works

Activity ID	Activity Name	Notebook	Resource IDs	Resources	Original Duration	Start	Finish	Predecessors	Successors
Pre-construction activities					11	18-Jun-09	01-Jul-09		
UD 2980	Final planning meetings	RPA, DCC, ESB, Bord Gais, DCC water, Co...			11	18-Jun-09	01-Jul-09	UD 1050	UD 3075, UD 2990,...
UD 2990	Delapidation survey reports issued				0	18-Jun-09		UD 2980	UD 3075, UD 3000
Traffic management					26	18-Jun-09	21-Jul-09		
UD 3000	Traffic Management design development	TM design developed by consultant and JPC			6	18-Jun-09	24-Jun-09	UD 2990	UD 3010, UD 3070
UD 3010	TMP submitted	Preliminary document for RPA & DCC			0		24-Jun-09	UD 3000	UD 3020
UD 3020	Traffic Management meeetings with RPA & ...	Meetings to discuss and develop TMP			3	25-Jun-09	29-Jun-09	UD 3010	UD 3030, UD 3040
UD 3030	TMP agreed in principal	Plan marked up by RPA & DCC and agreed i...			0		29-Jun-09	UD 3020	UD 3470
UD 3040	TMP developed 'For Construction' & submit...	Plan developed from first submission based ...			7	25-Jun-09	02-Jul-09	UD 3020	UD 3050
UD 3050	TMP submitted for final approval	Final submission for approval			0		15-Jul-09	UD 3040, UD 1300	UD 3060
UD 3060	RPA & DCC approval	RPA & DCC review period			5	15-Jul-09	21-Jul-09	UD 3050	UD 3075, UD 3080
Heritage					16	18-Jun-09	08-Jul-09		
UD 3070	remove heritage items (BY OTHERS)				16	18-Jun-09	08-Jul-09	UD 3000	UD 3075
site investigation					3	21-Jul-09	24-Jul-09		
UD 3080	Services survey & mark-out	All known services will be scanned and surve...			3	21-Jul-09	24-Jul-09	UD 3060	UD 3090
Site clearance					3	24-Jul-09	29-Jul-09		
UD 3090	remove/protect street furniture		Pav Demo - ...	HD Paving & Kerb Demo / Gen...	3	24-Jul-09	29-Jul-09	UD 3080	UD 3100
UD 3100	remove/protect telephone boxes		Pav Demo - ...	HD Paving & Kerb Demo / Gen...	3	24-Jul-09	29-Jul-09	UD 3090	UD 3110
Kerb removal					8	22-Jul-09	31-Jul-09		
UD 3110	remove existing kerb		Pav Demo - ...	HD Paving & Kerb Demo / Gen...	6	22-Jul-09	29-Jul-09	UD 3480, UD 3100	UD 3120, UD 3150
UD 3120	reduce dig to formation		Pav Demo - ...	HD Paving & Kerb Demo / Gen...	6	24-Jul-09	31-Jul-09	UD 3110	UD 3370, UD 3160
Utility works - NEW					9	22-Jul-09	04-Aug-09		
Ducted utilities					9	22-Jul-09	04-Aug-09		
ESB ducting, manholes & pillars					9	22-Jul-09	04-Aug-09		
UD 3130	Install ESB ducting ED3102 (2x125mm)	In median	Utilities Day ...	D Utilities Day Gang 1	5	22-Jul-09	28-Jul-09	UD 3480	UD 3140
UD 3140	Install PL ducting PL3102 (2x120mm)	In median	Utilities Day ...	D Utilities Day Gang 1	5	22-Jul-09	28-Jul-09	UD 3130	UD 3310, UD 6910,...
UD 3150	Install ESB ducting ED3102 (2x125mm)	Duct to connect to existing and cross O'Conn...	Utilities Day ...	D Utilities Day Gang 1	3	24-Jul-09	29-Jul-09	UD 3480, UD 3110	UD 3530, UD 3160,...
UD 3160	Install PL ducting PL3102 (2x120mm)	Duct to connect to existing and cross O'Conn...	Utilities Day ...	D Utilities Day Gang 1	7	24-Jul-09	04-Aug-09	UD 3150, UD 3120	UD 3540, UD 3490,...
UD 3170	Install ESB ducting ED3106 (8x125mm)	from nightworks, pick up and connect with exi...	Utilities Day ...	D Utilities Day Gang 1	3	24-Jul-09	29-Jul-09	UD 3150	UD 3560, UD 3180
UD 3180	Install ESB ducting ED3107 (8x125mm)	from nightworks, pick up and bring to Abbey ...	Utilities Day ...	D Utilities Day Gang 1	7	24-Jul-09	04-Aug-09	UD 3170, UD 3210	UD 3500, UD 3230
Comms ducting, manholes & pillars					8	22-Jul-09	31-Jul-09		
UD 3190	Eircom Comms ducting E3100 (6x100mm)	In median	Utilities Day ...	D Utilities Day Gang 1	5	22-Jul-09	28-Jul-09	UD 3140	UD 3200
UD 3200	BT Comms ducting BT3129 (2x100mm)	In median	Utilities Day ...	D Utilities Day Gang 1	5	22-Jul-09	28-Jul-09	UD 3190	UD 3210
UD 3210	Eircom Comms cable chamber E3101(eirco...	Use preformed chambers where possible	Chamber Ga...	D Chamber Gang <1.5m 1	3	28-Jul-09*	31-Jul-09	UD 3150, UD 3200	UD 3180
Piped utilities					6	22-Jul-09	29-Jul-09		
Watermains					6	22-Jul-09	29-Jul-09		
UD 3220	Lay new watermain W3100 (250mm PE)	In median	Utilities Day ...	D Utilities Day Gang 1	5	22-Jul-09	28-Jul-09	UD 3140	UD 3260
UD 3230	Identify connection requirements W3100	Identify all component connection requiremen...	Utilities Day ...	D Utilities Day Gang 1	1	24-Jul-09	27-Jul-09	UD 3180	UD 3240, UD 3270
UD 3240	Connect new 'T' to existing mains W3100	Shut down existing mains, drain down & mak...	Utilities Day ...	D Utilities Day Gang 1	1	27-Jul-09	28-Jul-09	UD 3230	UD 3250
UD 3250	Lay new watermain W3100 (250mm PE)	On East side to connect with existing main.	Utilities Day ...	D Utilities Day Gang 1	1	28-Jul-09*	29-Jul-09	UD 3240	UD 3630
Gasmains					6	22-Jul-09	29-Jul-09		
UD 3260	Lay PE gasmain GD3100 (315mm PE)	In median	Utilities Day ...	D Utilities Day Gang 1	5	22-Jul-09	28-Jul-09	UD 3220	UD 3360
UD 3270	Identify & uncover existing mains connectio...		Utilities Day ...	D Utilities Day Gang 1	1	24-Jul-09	27-Jul-09	UD 3230	UD 3280
UD 3280	Identify connection requirements	Identify all component connection requiremen...	Utilities Day ...	D Utilities Day Gang 1	1	27-Jul-09	28-Jul-09	UD 3270	UD 3290
UD 3290	Lay PE gasmains GD3100 (315mm PE)	On East side to connect with existing main.	Utilities Day ...	D Utilities Day Gang 1	1	28-Jul-09*	29-Jul-09	UD 3280	UD 3640
Utility commissioning					156	28-Jul-09	22-Feb-10		
UD 3300	ESB commissioning ED3101	ESB draw cables to ducting & connect	Decom Day ...	D Decomission Disconnect Day...	3	10-Aug-09*	13-Aug-09	UD 3550	UD 3350, UD 3340
UD 3310	PL commissioning PL3102 (2x100mm)		Decom Day ...	D Decomission Disconnect Day...	3	28-Jul-09*	31-Jul-09	UD 3140	UD 3350, UD 1450
UD 3320	ESB commissioning ED3107	Comissioning dependant on substation compl...	Decom Day ...	D Decomission Disconnect Day...	3	17-Feb-10	22-Feb-10	UD 4500	UD 3330
UD 3330	ESB commissioning ED3106	Comissioning dependant on substation compl...	Decom Day ...	D Decomission Disconnect Day...	3	17-Feb-10	22-Feb-10	UD 3320	UD 1470
Utility De-commissioning					2	13-Aug-09	17-Aug-09		
UD 3340	ESB de-commissioning ED3101	Withdraw cable and fill duct with inert material	Decom Day ...	D Decomission Disconnect Day...	2	13-Aug-09	17-Aug-09	UD 3300	UD 3370
UD 3350	PL de-commissioning PL3101, PL3000 (2x1...	Withdraw cable and fill duct with inert material	Decom Day ...	D Decomission Disconnect Day...	2	13-Aug-09	17-Aug-09	UD 3310, UD 3300	UD 3370
Temporary reinstatements					27	23-Jul-09	27-Aug-09		
UD 3360	Lay temp road coarse on median	Temporary running surface	Utilities Day ...	D Utilities Day Gang 1	6	23-Jul-09	30-Jul-09	UD 3260	UD 6920, UD 1480
UD 3370	lay roadbase & compact		Utilities Day ...	D Utilities Day Gang 1	5	17-Aug-09	21-Aug-09	UD 3120, UD 31...	UD 3380, UD 3400
UD 3380	cast new kerb founds		Utilities Day ...	D Utilities Day Gang 1	5	18-Aug-09	24-Aug-09	UD 3370	UD 3390
UD 3390	lay kerbs		Utilities Day ...	D Utilities Day Gang 1	6	20-Aug-09	27-Aug-09	UD 3380	UD 3520
Permanent reinstatements Footpaths					20	17-Aug-09	10-Sep-09		
UD 3400	lay & compact sub-base		PRP Heavy K...	HD Permanent Reinstatement - ...	4	17-Aug-09	20-Aug-09	UD 3370	UD 3410, UD 3650
UD 3410	reseat kerbs	reseat kerbing removed for crossings	PRP Heavy K...	HD Permanent Reinstatement - ...	4	19-Aug-09	24-Aug-09	UD 3400	UD 3430, UD 3420
UD 3420	Carriageway macadam build-up	Carriageway macadam reinstatement	PRP Heavy K...	HD Permanent Reinstatement - ...	4	24-Aug-09	28-Aug-09	UD 3410	UD 3460
UD 3430	sand blinding	to paving formation	PRP Heavy K...	HD Permanent Reinstatement - ...	4	24-Aug-09	28-Aug-09	UD 3410	UD 3450
UD 3450	paviors	to match existing	PRP Heavy K...	HD Permanent Reinstatement - ...	8	28-Aug-09	08-Sep-09	UD 3430	UD 3460
UD 3460	reinstate monuments, street fiurniture etc	Assumed by others	PRP Heavy K...	HD Permanent Reinstatement - ...	5	04-Sep-09	10-Sep-09	UD 3450, UD 3420	UD 1490
Night Works					49	07-Jul-09	07-Sep-09		
Zone 10 CH 17680m - 17780m					49	07-Jul-09	07-Sep-09		
Traffic management & fencing					42	07-Jul-09	28-Aug-09		
UD 3470	Advance signage erected	Advance signage erected in accordance with ...	3 Man Crew ...	HN TM Man Cross + Lane Clos...	1	07-Jul-09	07-Jul-09	UD 3030	UD 3480, UD 1500
UD 3480	Install Traffic Management day set 1	For normal hours in sections 1, 2, 3, 4, 5 & 9	3 Man Crew ...	HN TM Man Cross + Lane Clos...	1	21-Jul-09	22-Jul-09	UD 3075, UD 3470	UD 3110, UD 3490,...
UD 3490	Install Traffic Management night set 1	For night works in sections 1, 3, 5, 6 & 10 first...	3 Man Crew ...	HN TM Man Cross + Lane Clos...	1	04-Aug-09*	05-Aug-09	UD 3480, UD 3160	UD 3540, UD 3560,...
UD 3500	Install Traffic Management day set 2	For normal hours in sections 6,7, 8	3 Man Crew ...	HN TM Man Cross + Lane Clos...	1	28-Jul-09*	29-Jul-09	UD 3480, UD 3180	UD 3510
UD 3510	Install Traffic Management night set 2	For night works in sections 2, 4 & 11 first nigh...	3 Man Crew ...	HN TM Man Cross + Lane Clos...	1	07-Aug-09*	10-Aug-09	UD 3490, UD 35...	UD 3520
UD 3520	TM & fencing removed	for all sections 1-8	3 Man Crew ...	HN TM Man Cross + Lane Clos...	1	27-Aug-09	28-Aug-09	UD 3510, UD 36...	UD 3680
Utility works					7	05-Aug-09	13-Aug-09		
Ducted utilities					7	05-Aug-09	13-Aug-09		
ESB ducting, manholes & pillars					4	05-Aug-09	10-Aug-09		
UD 3530	Install ESB ducting ED3102 (2x125mm)	Ducting crossing O'Connel st, to connect two ...	Utilities Night...	HN Utilities Night Gang 1	4	05-Aug-09*	10-Aug-09	UD 3150, UD 3540	UD 3370, UD 1520
UD 3540	Install PL ducting PL3102 (2x100mm)	Crossing O'Connel st southbound, lane closu...	Utilities Night...	HN Utilities Night Gang 1	4	05-Aug-09*	10-Aug-09	UD 3160, UD 3490	UD 3530, UD 3560,...
UD 3550	Install ESB ducting ED3101 (2xMV, 1xLV)	Sackville place, lane closure, 5m.	Utilities Night...	HN Utilities Night Gang 1	3	05-Aug-09*	10-Aug-09	UD 3490, UD 3540	UD 3300
UD 3560	Install ESB ducting ED3106 (8x125mm)	Ducting crossing O'Connel st, to connect exis...	Utilities Night...	HN Utilities Night Gang 1	4	05-Aug-09*	10-Aug-09	UD 3170, UD 34...	UD 3570, UD 3370
UD 3570	Install ESB ducting ED3107 (8x125mm)	Ducting crossing O'Connel st, to connect exis...	Utilities Night...	HN Utilities Night Gang 1	4	05-Aug-09*	10-Aug-09	UD 3560	UD 3580
Comms ducting, manholes & pillars					7	05-Aug-09	13-Aug-09		
UD 3580	Eircom Comms E3101 (eircom chamber)	existing chamber with new access point, lane ...	Utilities Night...	HN Utilities Night Gang 1	6	05-Aug-09*	12-Aug-09	UD 3570, UD 3490	UD 3590, UD 3510
UD 3590	Eircom Comms ducting E3100 (6x100mm)	Ducting crossing O'Connel st, to connect two ...	Utilities Night...	HN Utilities Night Gang 1	6	05-Aug-09*	12-Aug-09	UD 3580	UD 3600
UD 3600	BT Comms ducting BT3102 (2x100mm)	Ducting on O'Connel st, to connect two existin...	Utilities Night...	HN Utilities Night Gang 1	6	05-Aug-09*	12-Aug-09	UD 3590	UD 3610
UD 3610	BT Comms chamber BT3105	BT chamber within southbound carriageway, l...	Utilities Night...	HN Utilities Night Gang 1	3	05-Aug-09*	10-Aug-09	UD 3600	UD 3620, UD 3630
UD 3620	BT Comms ducting BT3129 (2x100mm)	Ducting on O'Connel st, to connect two existin...	Utilities Night...	HN Utilities Night Gang 1	3	10-Aug-09*	13-Aug-09	UD 3610	UD 3370
Piped utilities					4	05-Aug-09	10-Aug-09		
Watermains					4	05-Aug-09	10-Aug-09		
UD 3630	Lay new watermain W3100 (250mm PE)	Within southbound lane, to kerb on East side.	Utilities Night...	HN Utilities Night Gang 1	4	05-Aug-09*	10-Aug-09	UD 3250, UD 3610	UD 3640
Gasmains					4	05-Aug-09	10-Aug-09		
UD 3640	Lay PE gasmain GD3100 (315mm PE)	Within southbound lane, to kerb on median, 7m.	Utilities Night...	HN Utilities Night Gang 1	4	05-Aug-09*	10-Aug-09	UD 3290, UD 3630	UD 3520
Permanent reinstatements Carriageways					17	17-Aug-09	07-Sep-09		
UD 3650	lay & compact sub-base		Perm Reinsta...	HN Permanent Blacktop Reinst...	4	17-Aug-09	20-Aug-09	UD 3400	UD 3660, UD 1560
UD 3660	reseat kerbs	to match existing	Perm Reinsta...	HN Permanent Blacktop Reinst...	4	21-Aug-09	26-Aug-09	UD 3650	UD 3670
UD 3670	sand blinding		Perm Reinsta...	HN Permanent Blacktop Reinst...	4	21-Aug-09	27-Aug-09	UD 3660	UD 3680
UD 3680	paviors	to match existing	Perm Reinsta...	HN Permanent Blacktop Reinst...	5	25-Aug-09	31-Aug-09	UD 3670, UD 3520	UD 3690
UD 3690	reinstate monuments, street fiurniture etc	Assumed by others	Perm Reinsta...	HN Permanent Blacktop Reinst...	5	01-Sep-09	07-Sep-09	UD 3680	UD 1570
O'Connell St Upper (Princes St-Abbey St) West					195	18-Jun-09	02-Mar-10		
Normal working hours					195	18-Jun-09	02-Mar-10		
Zone 10 CH 17680m - 17780m					188	18-Jun-09	22-Feb-10		
UD 3800	JPC onsite works commence				0		08-Jul-09	UD 3700, UD 37...	UD 6900, UD 4000
Pre-construction activities					10	18-Jun-09	30-Jun-09		
UD 3700	Final planning meetings	RPA, DCC, ESB, Bord Gais, DCC water, Co...			10	18-Jun-09	30-Jun-09	UD 2980	UD 3800, UD 3710,...
UD 3710	Delapidation survey reports issued				0	18-Jun-09		UD 3700	UD 3800, UD 3720,...
Traffic management					15	18-Jun-09	07-Jul-09		
UD 3720	Traffic Management design development	TM design developed by consultant and JPC			5	18-Jun-09	24-Jun-09	UD 3710	UD 3730, UD 3790
UD 3730	TMP submitted	Preliminary document for RPA & DCC			0		24-Jun-09	UD 3720	UD 3740
UD 3740	Traffic Management meeetings with RPA & ...	Meetings to discuss and develop TMP			3	24-Jun-09	29-Jun-09	UD 3730	UD 3750, UD 3760
UD 3750	TMP agreed in principal	Plan marked up by RPA & DCC and agreed i...			0		29-Jun-09	UD 3740	UD 6890
UD 3760	TMP developed 'For Construction' & submit...	Plan developed from first submission based ...			6	24-Jun-09	01-Jul-09	UD 3740	UD 3770
UD 3770	TMP submitted for final approval	Final submission for approval			0		01-Jul-09	UD 3760	UD 3780
UD 3780	RPA & DCC approval	RPA & DCC review period			4	01-Jul-09	07-Jul-09	UD 3770	UD 3800, UD 3970,...
Heritage					16	18-Jun-09	08-Jul-09		
UD 3790	remove heritage items (BY OTHERS)				16	18-Jun-09	08-Jul-09	UD 3720	UD 3800
Basement infill					19	09-Jul-09	31-Jul-09		
Easons CH 17737 - 17755m Basements Assumed					16	09-Jul-09	28-Jul-09		
UD 3810	basement surveys				1	09-Jul-09	10-Jul-09	UD 6900	UD 3820, UD 3890
UD 3820	utilities diversions (internal)		Basement W...	D Basement Wokrs - Crew 1	3	10-Jul-09	15-Jul-09	UD 3810	UD 3830, UD 3900
UD 3830	trial holes		Basement W...	D Basement Wokrs - Crew 1	1	10-Jul-09	13-Jul-09	UD 3820	UD 3840, UD 3910
UD 3840	basement temp works		Basement W...	D Basement Wokrs - Crew 1	2	10-Jul-09	14-Jul-09	UD 3830	UD 3850, UD 3920
UD 3850	footpath access		Basement W...	D Basement Wokrs - Crew 1	2	14-Jul-09	16-Jul-09	UD 3840	UD 3860
UD 3860	construct isolation wall		Basement W...	D Basement Wokrs - Crew 1	3	21-Jul-09*	23-Jul-09	UD 3850	UD 3870, UD 3940
UD 3870	complete utilities diversions (internal)		Basement W...	D Basement Wokrs - Crew 1	2	24-Jul-09*	27-Jul-09	UD 3860	UD 3880
UD 3880	fill to services formation		Basement W...	D Basement Wokrs - Crew 1	1	28-Jul-09*	28-Jul-09	UD 3870	UD 3960, UD 4140
Clarks CH 17755m - 17770m Basements Assumed					18	10-Jul-09	31-Jul-09		
UD 3890	basement surveys				1	10-Jul-09	13-Jul-09	UD 3810	UD 3900
UD 3900	utilities diversions (internal)		Basement W...	D Basement Wokrs - Crew 1	3	20-Jul-09*	22-Jul-09	UD 3820, UD 3890	UD 3910
UD 3910	trial holes		Basement W...	D Basement Wokrs - Crew 1	1	20-Jul-09*	20-Jul-09	UD 3830, UD 3900	UD 3920
UD 3920	basement temp works		Basement W...	D Basement Wokrs - Crew 1	2	20-Jul-09*	21-Jul-09	UD 3840, UD 3910	UD 3930
UD 3930	footpath access		Basement W...	D Basement Wokrs - Crew 1	2	22-Jul-09*	23-Jul-09	UD 3920	UD 3940
UD 3940	construct isolation wall		Basement W...	D Basement Wokrs - Crew 1	3	24-Jul-09*	28-Jul-09	UD 3860, UD 3930	UD 3950
UD 3950	complete utilities diversions (internal)		Basement W...	D Basement Wokrs - Crew 1	2	29-Jul-09*	30-Jul-09	UD 3940	UD 3960
UD 3960	fill to services formation		Basement W...	D Basement Wokrs - Crew 1	1	31-Jul-09*	31-Jul-09	UD 3880, UD 3950	UD 4140
site investigation					15	07-Jul-09	24-Jul-09		
UD 3970	Services survey & mark-out	All known services will be scanned and surve...			3	07-Jul-09	10-Jul-09	UD 3780	UD 3990
UD 3980	Lift pavement finishes	Paving flags, cobbles etc will be crated and s...	Prep for Paving	HX Preparation for Paving	5	20-Jul-09*	24-Jul-09	UD 4010	UD 3990
UD 3990	Slit trenching	Slit trenching will be carried out at ~5m chain...	Prep for Paving	HX Preparation for Paving	3	20-Jul-09*	22-Jul-09	UD 3970, UD 3980	UD 4150
Site clearance					5	08-Jul-09	14-Jul-09		
UD 4000	remove/protect street furniture		Pav Demo - ...	HD Paving & Kerb Demo / Gen...	5	08-Jul-09	14-Jul-09	UD 3800	UD 4010
UD 4010	remove/protect telephone boxes		Pav Demo - ...	HD Paving & Kerb Demo / Gen...	5	08-Jul-09	14-Jul-09	UD 4000	UD 3980
Kerb removal					7	23-Jul-09	31-Jul-09		
UD 4020	remove existing kerb		Pav Demo - ...	HD Paving & Kerb Demo / Gen...	5	23-Jul-09	29-Jul-09	UD 6910	UD 4030
UD 4030	reduce dig to formation		Pav Demo - ...	HD Paving & Kerb Demo / Gen...	5	27-Jul-09	31-Jul-09	UD 4020	UD 4040
Utility works - NEW					29	28-Jul-09	03-Sep-09		
Sewer outfall re-construction D3106					5	28-Jul-09	04-Aug-09		
UD 4040	Locate outfall manhole D3106	Carry out CCTV survey of existing sewer and ...	Comb Trench...	HD Combined Trench < 2m Deep	1	28-Jul-09*	29-Jul-09	UD 4030	UD 4050
UD 4050	Excavate alongside D3106	Expose manhole walls for connection	Comb Trench...	HD Combined Trench < 2m Deep	2	28-Jul-09*	30-Jul-09	UD 4040	UD 4060
UD 4060	Break into outfall manhole D3106	Cut into existing manhole and remove debris	Comb Trench...	HD Combined Trench < 2m Deep	1	30-Jul-09*	31-Jul-09	UD 4050	UD 4070
UD 4070	Complete connection, reconstruction & ben...	Complete manhole benching, ladder installati...	Comb Trench...	HD Combined Trench < 2m Deep	1	31-Jul-09*	04-Aug-09	UD 4060	UD 4080
UD 4080	Outfall connection live				0		04-Aug-09	UD 4070	UD 4090
Excavation & drainage					11	04-Aug-09	18-Aug-09		
UD 4090	Excavate to 1.2m depth D3102 (225mm pipe)	Hand dig to safe depth, locate & support serv...	Comb Trench...	HD Combined Trench < 2m Deep	5	04-Aug-09*	10-Aug-09	UD 4080, UD 6920	UD 4100, UD 4150
UD 4100	Excavate to drainage formation D3102 (225...	Install staged ply and timber shoring as dig d...	Comb Trench...	HD Combined Trench < 2m Deep	5	05-Aug-09*	11-Aug-09	UD 4090	UD 4110, UD 4130,...
UD 4110	Construct manhole D3103		Comb Trench...	HD Combined Trench < 2m Deep	5	11-Aug-09	18-Aug-09	UD 4100	UD 7110, UD 4130
UD 4120	Excavate to drainage formation D3103	Install pipe to within 1 m of substation piled w...	Comb Trench...	HD Combined Trench < 2m Deep	4	11-Aug-09	17-Aug-09	UD 4100	UD 7110, UD 4130
UD 4130	Backfill to formation	Backfill trench to formation for reinstatement ...	Comb Trench...	HD Combined Trench < 2m Deep	7	10-Aug-09*	18-Aug-09	UD 4100, UD 41...	UD 7160
Ducted utilities					25	04-Aug-09	03-Sep-09		
ESB ducting, manholes & pillars					25	04-Aug-09	03-Sep-09		
UD 4140	Install ESB ducting ED3120 (20x125mm)	Ducting to replace existing bank, bring to Abb...	Utilities Day ...	D Utilities Day Gang 1	6	04-Aug-09	11-Aug-09	UD 3880, UD 3960	UD 4250
UD 4150	Install ESB ducting ED3102 (2x125mm)	median	Utilities Day ...	D Utilities Day Gang 1	4	04-Aug-09*	07-Aug-09	UD 4090, UD 3990	UD 6990, UD 6940,...
UD 4160	Install ESB ducting ED3108 (20x125mm)	Ducting pickup from nightworks, 7m.	Utilities Day ...	D Utilities Day Gang 1	4	31-Aug-09*	03-Sep-09	UD 4150	UD 7000
Comms ducting, manholes & pillars					14	04-Aug-09	21-Aug-09		
UD 4170	Eircom Comms ducting E3100 (6x100mm)	Ducting crossing O'Connel st, to connect two ...	Utilities Day ...	D Utilities Day Gang 1	4	04-Aug-09*	07-Aug-09	UD 4150	UD 4510, UD 4180
UD 4180	BT Comms ducting BT3129 (2x100mm)	Ducting crossing O'Connel st, to connect two ...	Utilities Day ...	D Utilities Day Gang 1	4	04-Aug-09*	07-Aug-09	UD 4170	UD 7090, UD 4200,...
UD 4190	BT Comms ducting BT3104 (2x100mm)	median	Utilities Day ...	D Utilities Day Gang 1	4	04-Aug-09*	07-Aug-09	UD 6910, UD 4180	UD 4290, UD 7030
UD 4200	MT distribution MT3101 (large chamber)	Chamber construction, excavate, pour base, ...	Chamber Ga...	HD Chamber Gang >1.5m 1	6	04-Aug-09*	11-Aug-09	UD 4180	UD 4210, UD 4220
UD 4210	MT distribution ducting MT3106 (16x150m...	Duct bank 1 m off piled wall, backfilled as inst...	Utilities Day ...	D Utilities Day Gang 1	10	04-Aug-09*	17-Aug-09	UD 4200	UD 4230, UD 4320
UD 4220	MT distribution MT3104 (small chamber)	Chamber construction, excavate, pour base, ...	Chamber Ga...	D Chamber Gang <1.5m 1	6	05-Aug-09*	12-Aug-09	UD 4200	UD 4230, UD 7100
UD 4230	MT distribution ducting MT3105 (16x110m...	Duct bank 1 m off piled wall, backfilled as inst...	Utilities Day ...	D Utilities Day Gang 1	8	06-Aug-09*	17-Aug-09	UD 4210, UD 4220	UD 4240, UD 4310
UD 4240	MT distribution ducting MT3109 (2x110mm)	Ducting crossing O'Connel st, to connect two ...	Utilities Day ...	D Utilities Day Gang 1	4	06-Aug-09*	11-Aug-09	UD 4230	UD 4250
UD 4250	MT comms chamber MT3110	Use preformed chambers where possible	Chamber Ga...	HD Chamber Gang >1.5m 1	3	12-Aug-09	14-Aug-09	UD 4140, UD 4240	UD 4520, UD 4260
UD 4260	MT distribution ducting MT3135 (2x110mm)	duct from MT3110 to Abbey St kerb, 34m	Utilities Day ...	D Utilities Day Gang 1	4	12-Aug-09	17-Aug-09	UD 4250	UD 4270
UD 4270	Alt. comms AC3101 chamber	Use preformed chambers where possible	Chamber Ga...	HD Chamber Gang >1.5m 1	3	12-Aug-09	14-Aug-09	UD 4260	UD 4280
UD 4280	Alt. comms distribution ducting AC3102 (6x...	duct from MT3110 to Abbey St kerb, 34m	Utilities Day ...	D Utilities Day Gang 1	4	12-Aug-09	17-Aug-09	UD 4270	UD 4310
UD 4290	BT Comms chamber BT3106	BT chamber on kerb of northbound carriagew...	Chamber Ga...	HD Chamber Gang >1.5m 1	4	04-Aug-09*	07-Aug-09	UD 4190	UD 4300
UD 4300	BT Comms ducting BT3107 (2x100mm)	To connect chambers BT3106 & BT 3108, 10m.	Utilities Day ...	D Utilities Day Gang 1	4	04-Aug-09*	07-Aug-09	UD 4290	UD 4490
UD 4310	Alt. comms distribution ducting AC3100 (6x...	duct from kerb to chamber MT3110, 8m	Utilities Day ...	D Utilities Day Gang 1	4	17-Aug-09	21-Aug-09	UD 4280, UD 4230	UD 6980
Piped utilities					10	04-Aug-09	14-Aug-09		
Watermains					10	04-Aug-09	14-Aug-09		
UD 4320	Identify & uncover existing mains connectio...	Northbound lane closure	Utilities Day ...	D Utilities Day Gang 1	1	04-Aug-09*	05-Aug-09	UD 4210	UD 4380, UD 4330
UD 4330	Lay new watermain W3100 (250mm PE)	through median and stop a median kerb.	Utilities Day ...	D Utilities Day Gang 1	5	05-Aug-09*	11-Aug-09	UD 4320	UD 4340
UD 4340	Pipe installed, valved and capped				0		11-Aug-09	UD 4330	UD 4350
UD 4350	24Hr pressure test	Purge air from system, test under water press...	Utilities Day ...	D Utilities Day Gang 1	1	11-Aug-09	12-Aug-09	UD 4340	UD 4360
UD 4360	Pipe chlorination	Chlorination of new pipework through all new ...	Utilities Day ...	D Utilities Day Gang 1	1	12-Aug-09	13-Aug-09	UD 4350	UD 4370
UD 4370	Bacteriological test results	Swab through new pipe and flush	Utilities Day ...	D Utilities Day Gang 1	1	13-Aug-09	14-Aug-09	UD 4360	UD 4570, UD 4460
Gasmains					9	04-Aug-09	14-Aug-09		
UD 4380	Identify & uncover existing mains connectio...	requires northbound lane closure	Utilities Day ...	D Utilities Day Gang 1	2	04-Aug-09*	06-Aug-09	UD 4320	UD 4390
UD 4390	Identify connection requirements	Identify all component connection requiremen...	Utilities Day ...	D Utilities Day Gang 1	1	06-Aug-09*	07-Aug-09	UD 4380	UD 4400
UD 4400	Lay PE gasmain GD3100 (315mm PE)	crossing north lane	Utilities Day ...	D Utilities Day Gang 1	2	07-Aug-09*	11-Aug-09	UD 4390	UD 4410
UD 4410	Lay PE gasmain GD3158, GD3103 (315mm...	Within northbound lane, lane closure, 92m.	Utilities Day ...	D Utilities Day Gang 1	3	07-Aug-09*	12-Aug-09	UD 4400	UD 4430, UD 4420
UD 4420	Lay PE gasmain GD3107 (180mm PE)	Within northbound lane, lane closure, 120m.	Utilities Day ...	D Utilities Day Gang 1	3	07-Aug-09*	12-Aug-09	UD 4410	UD 4430
UD 4430	Pipe installed, valved and capped	requires northbound lane closure			0		12-Aug-09	UD 4420, UD 4410	UD 4440
UD 4440	24Hr pressure test	Test under air pressure against open valves	Utilities Day ...	D Utilities Day Gang 1	1	12-Aug-09	13-Aug-09	UD 4430	UD 4450
UD 4450	Isolate old gasmain using valves	Disconnection of old gasmain will depend on ...	Utilities Day ...	D Utilities Day Gang 1	1	13-Aug-09	14-Aug-09	UD 4440	UD 4470
Utility commissioning					148	10-Aug-09	22-Feb-10		
UD 4460	Watermain commissioning W3100, W3101		Decom Day ...	D Decomission Disconnect Day...	1	14-Aug-09	17-Aug-09	UD 4370	UD 7140, UD 7160
UD 4470	Connect new Gasmain to existing	New gas main live	Decom Day ...	D Decomission Disconnect Day...	1	14-Aug-09	17-Aug-09	UD 4450	UD 7150, UD 7160



Actual Work — Critical Remaining Work — Summary
Remaining Work — Milestone

Date	Revision	Checked	Approved
13-Feb-09	Tender Submission	BH/JMcG	
16-Feb-09	Tender Submission with Final Comments	BH/JMcG	