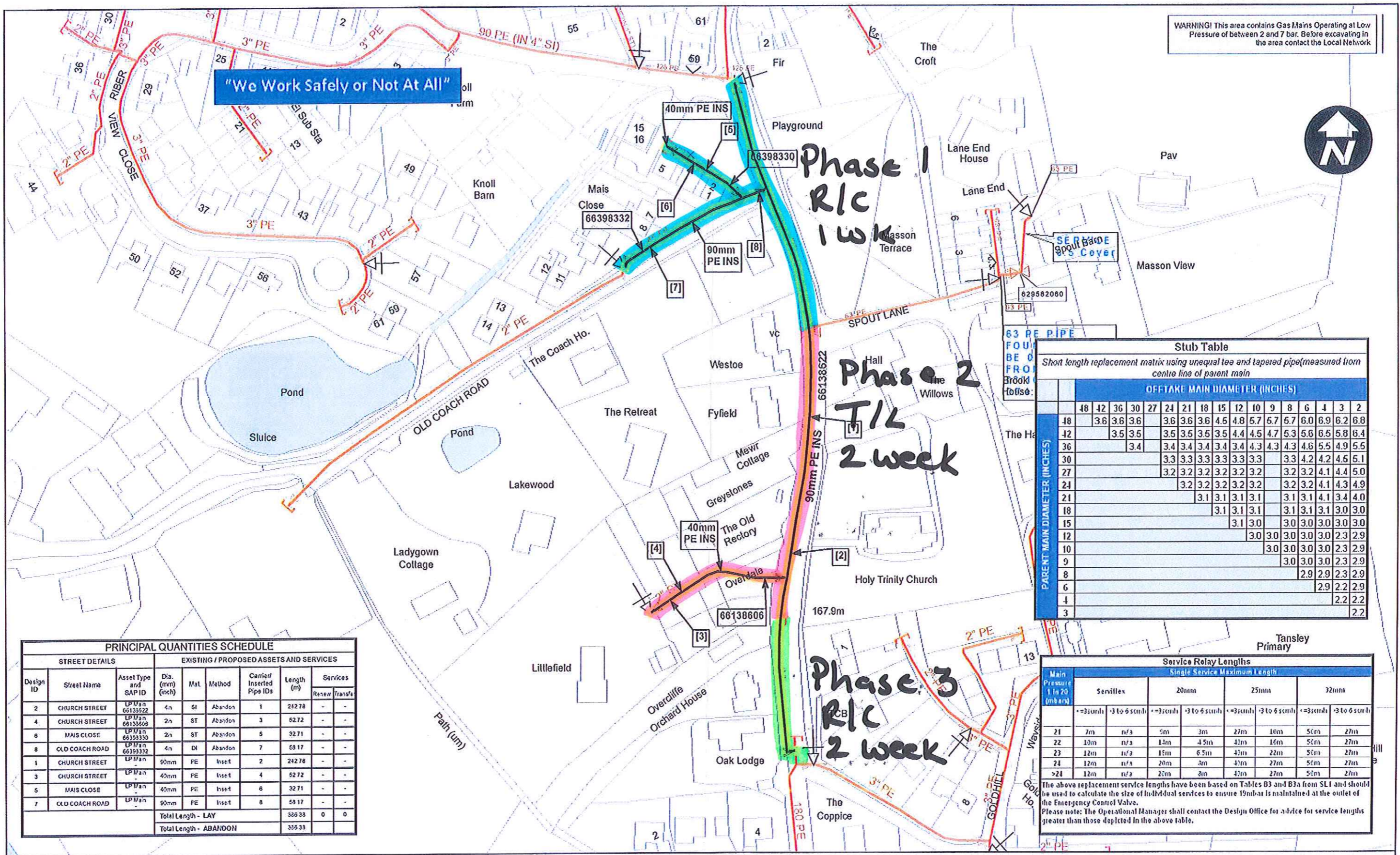


WARNING! This area contains Gas Mains Operating at Low Pressure of between 2 and 7 bar. Before excavating in the area contact the Local Network

"We Work Safely or Not At All"



**Stub Table**  
Short length replacement matrix using unequal tee and tapered pipe (measured from centre line of parent main)

Parent Main Diameter (Inches)	Offtake Main Diameter (Inches)															
	48	42	36	30	27	24	21	18	15	12	10	9	8	6	4	3
48	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.6	4.8	5.7	6.7	6.7	6.0	6.9	6.2	6.8
42		3.5	3.5	3.5	3.5	3.5	3.5	4.4	4.5	4.7	5.3	5.6	6.5	5.8	6.4	
36			3.4	3.4	3.4	3.4	3.4	4.3	4.3	4.3	4.6	5.5	4.9	5.5		
30				3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.2	4.6	5.1		
27					3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.1	4.4	5.0	
24						3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.1	4.3	4.9	
21							3.1	3.1	3.1	3.1	3.1	3.1	4.1	3.4	4.0	
18								3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	
15									3.1	3.0	3.0	3.0	3.0	3.0	3.0	
12										3.0	3.0	3.0	3.0	3.0	2.3	2.9
10											3.0	3.0	3.0	3.0	2.3	2.9
9												3.0	3.0	3.0	2.3	2.9
8													2.9	2.9	2.3	2.9
6														2.9	2.2	2.9
4															2.2	2.2
3																2.2

**PRINCIPAL QUANTITIES SCHEDULE**

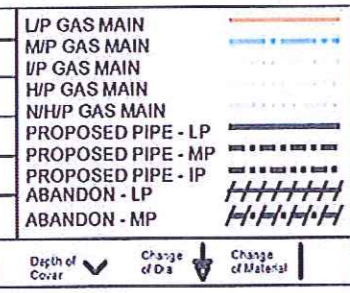
STREET DETAILS		EXISTING / PROPOSED ASSETS AND SERVICES						
Design ID	Street Name	Asset Type and SAPID	Dia. (mm)	Mat.	Method	Carried/Inserted Pipe IDs	Length (m)	Services
2	CHURCH STREET	LP Man 66138622	4n	SI	Abandon	1	242.78	-
4	CHURCH STREET	LP Man 66138606	2n	ST	Abandon	3	52.72	-
6	MAIS CLOSE	LP Man 66398330	2n	ST	Abandon	5	32.71	-
8	OLD COACH ROAD	LP Man 66398332	4n	DI	Abandon	7	58.17	-
1	CHURCH STREET	LP Man	90mm	PE	Insert	2	242.78	-
3	CHURCH STREET	LP Man	40mm	PE	Insert	4	52.72	-
5	MAIS CLOSE	LP Man	40mm	PE	Insert	6	32.71	-
7	OLD COACH ROAD	LP Man	90mm	PE	Insert	8	58.17	-
Total Length - LAY							385.33	0 0
Total Length - ABANDON							335.33	

**Service Relay Lengths**  
Single Service Maximum Length

Main Pressure 1 to 20 (mbar)	Service Relay Lengths							
	Servillex		20mm		25mm		32mm	
	=3 to 6 cmh	=3 to 6 cmh	=3 to 6 cmh	=3 to 6 cmh	=3 to 6 cmh	=3 to 6 cmh	=3 to 6 cmh	=3 to 6 cmh
21	7m	n/a	5m	3m	27m	10m	50m	27m
22	10m	n/a	11m	4.5m	42m	16m	50m	27m
23	12m	n/a	15m	6.5m	42m	22m	50m	27m
24	12m	n/a	20m	8m	42m	27m	50m	27m
>24	12m	n/a	20m	8m	42m	27m	50m	27m

The above replacement service lengths have been based on Tables B3 and B3a from SL1 and should be used to calculate the size of individual services to ensure 19mbar is maintained at the outlet of the Emergency Control Valve.  
Please note: The Operational Manager shall contact the Design Office for advice for service lengths greater than those depicted in the above table.

SCALE: 1:1,250 @ A3  
 USER ID: Barbara Nichola  
 DATE: 08-Jan-2016 15:41:13  
 INTERNAL USE ONLY  
 MAP REF: SK3259  
 CENTRE: 432199, 359949



**SCHEME:**  
 Church Street  
 Tansley  
 DE4 5FH  
 DESIGN: EMGA150816  
 REVISION: 1  
 Designer: Brian K Anderson

This plan shows those pipes owned by National Grid in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc., are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by National Grid plc or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and any other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

**DESIGN DRAWING**

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