

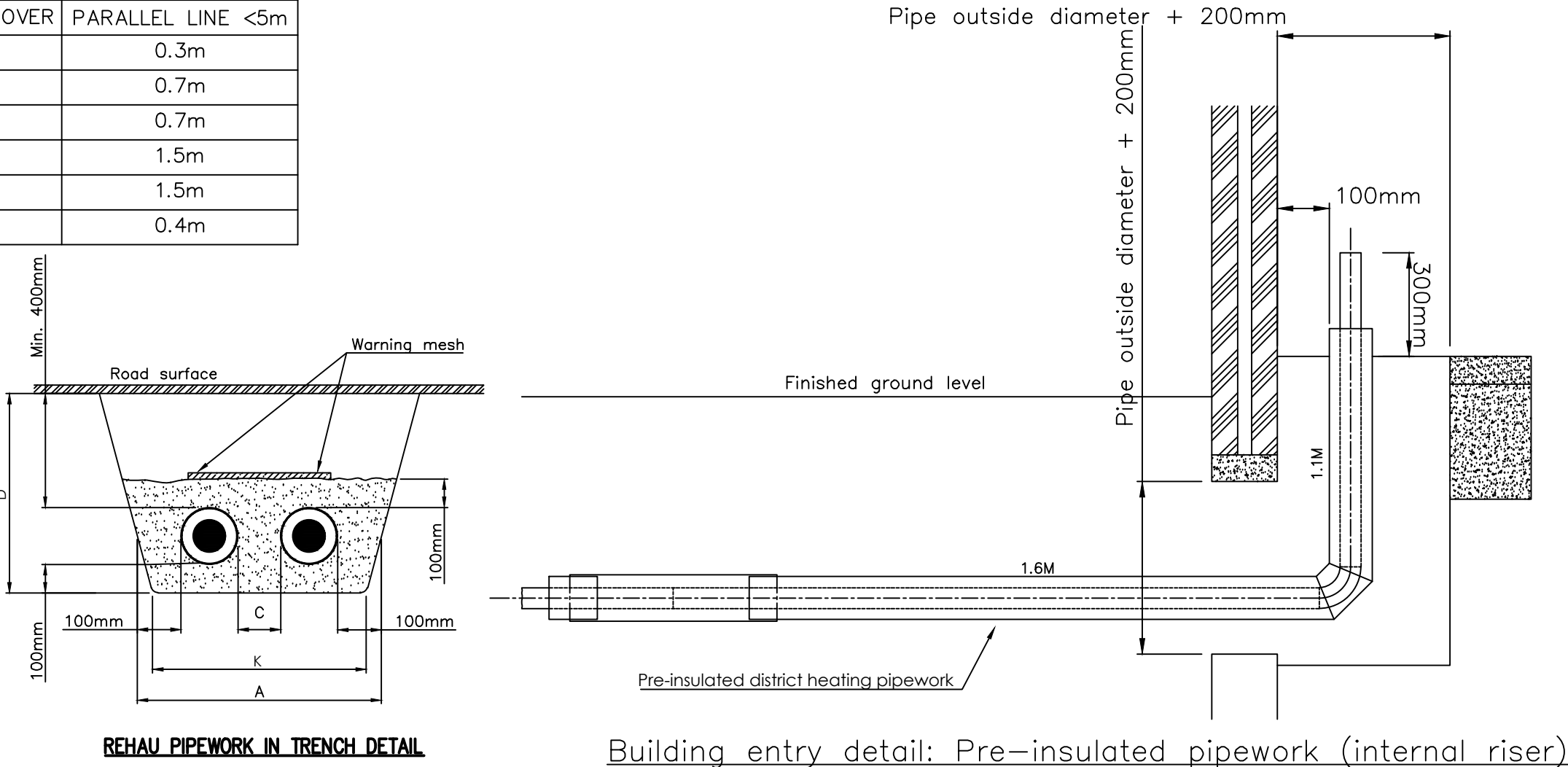
PROXIMITY TO OTHER SERVICES

TYPE OF SUPPLY LINE	PARALLEL LINE <5m/CROSSOVER	PARALLEL LINE <5m
1KV-, SIGNAL, MEASURING	0.3m	0.3m
10-KV CABLE	0.6m	0.7m
SINGLE 30-KV - CABLE	0.6m	0.7m
SEVERAL 30-KV - CABLE	1.0m	1.5m
CABLE OVER 60KV	1.0m	1.5m
GAS AND WATER LINES	0.2m	0.4m

Steel pipe DN	Jacket pipe D outer mm	Trench width A mm	Trench depth D mm	Distance C mm
25	110	570	570	610
32	125	600	600	625
40	125	600	600	625
50	140	630	630	640
65	160	670	670	660
80	180	710	730	680
100	225	800	800	725
125	250	850	950	750
150	280	1010	1010	780
200	355	1160	1160	855
250	450	1350	1350	950
300	500	1450	1450	290

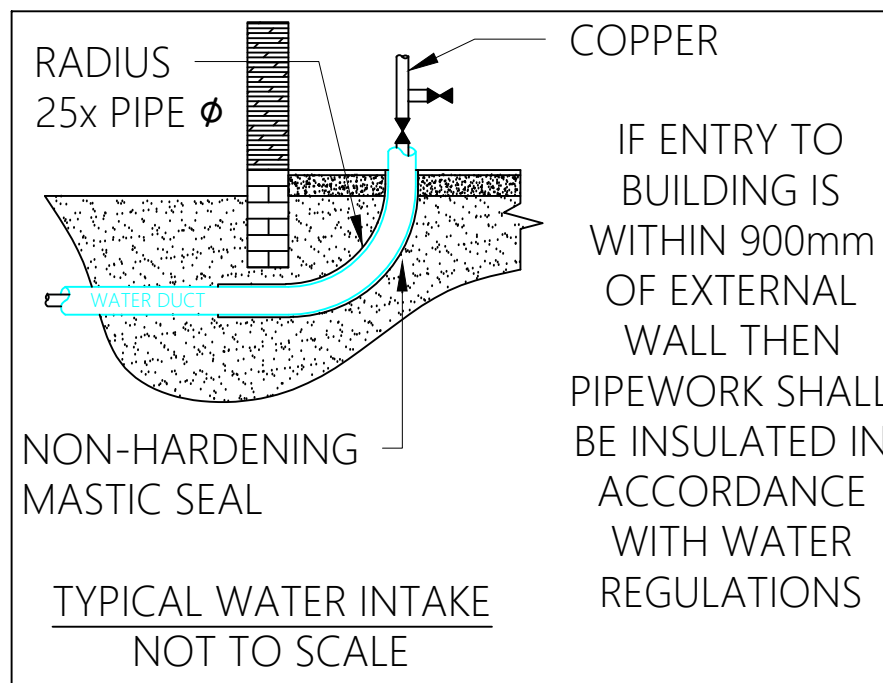
Trench section detail: Single pipe - Series

Section A-A



REHAU PIPEWORK IN TRENCH DETAIL

Building entry detail: Pre-insulated pipework (internal riser)



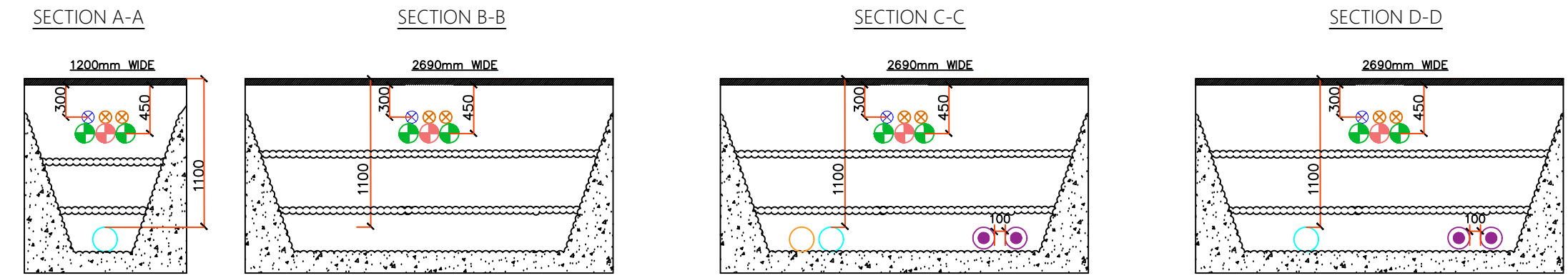
BACKFILL TO BE COMPACTED IN LAYERS OF 250mm (MAX). INITIAL LAYER OF 100mm. DO NOT USE HEAVY COMPACTION EQUIPMENT

COVER: BUILDING SAND OR A10 MATERIAL TO BS882
BED: BUILDING SAND OR A10 MATERIAL TO BS882

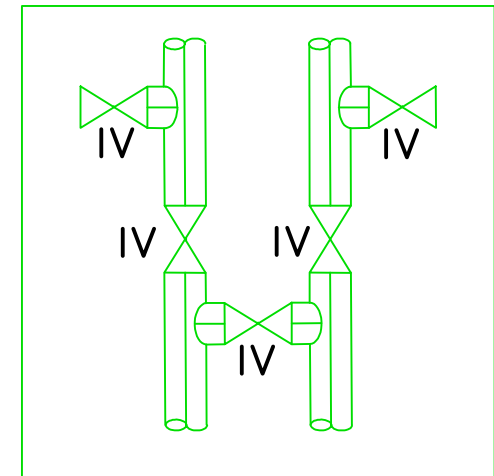
NOTE: WATER MAIN SHALL BE AT LEAST 350mm CLEAR OF GAS MAINS

TYPICAL DETAIL FOR WATER MAIN
NOT TO SCALE

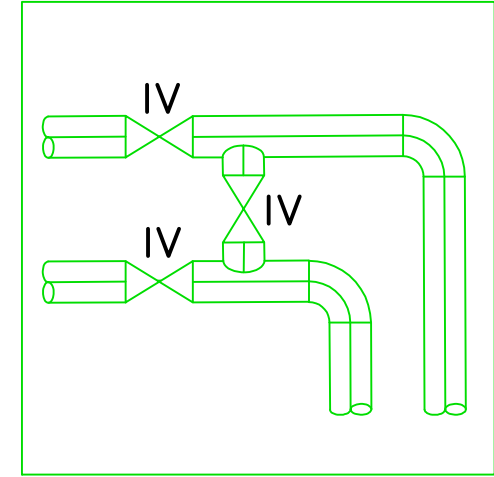
TYPICAL M&E SERVICES BELOW GROUND SECTIONS



- LV ELECTRIC DUCT (BY OTHERS)
- UPS ELECTRIC DUCT (BY OTHERS)
- HV ELECTRIC DUCT (BY OTHERS)
- INSULATED DHN
- MCWS (BY OTHERS)
- TELECOMS (BT/VIRGIN) (BY OTHERS)
- PRIVATE COMMS (BY OTHERS)
- RESIDENTIAL SPRINKLER SUPPLY
- LTG ELECTRIC DUCT (BY OTHERS)
- INSULATED LTHW



VALVE PIT



VALVE PIT B

200mm - 140mm
REDUCING BED
STAINLESS STEEL
WITH FLUSHING
BYPASS

734 FUTURE PLOTS + 7no.
COMMERCIAL (1.09l/s)
SERVED FROM THIS LEG
OF 250mm MAIN

32mm supply for Water
Tower - 0.11l/s

CAPPED OFF 650 F&R TO
ALLOW PHASE 1 A TO BE
SERVED FROM THE ENERGY
CENTRE IN PHASE 1B/2
(BLOCK C) IN THE FUTURE

Thames Water to carry out
works upstream and
inclusive of final inline valve

Connection 1 - 100 domestic
premises can be served prior to
reinforcement completion

32mm supply for Peace
Building - 0.11l/s

NO	FOR CONSTRUCTION	10	T.H	T.H
REV	DESCRIPTION	DATE	INITIAL	VPED

Hill
Created for Living

JSW
M&E SERVICES
ESTABLISHED 1890
JS WRIGHT & CO LTD

DRAWING STATUS:
CONSTRUCTION

PROJECT:
ST ANN'S HOSPITAL

TITLE:
COMBINED EXTERNAL SERVICES LAYOUT

FIRE STRATEGY: N/A	ARCHITECTS REF: N15301-PAM-ZZ-00 -DR-C-06000	PLOT NUMBER: N/A	JOB No: SCALE (A0): DATE: VPED: 10800 1:200 MAY '23 T.H T.H DRAWING No.: REV: C01 N15301-JSW-ZZ-ZZ-DR-M-1053
-----------------------	--	---------------------	---