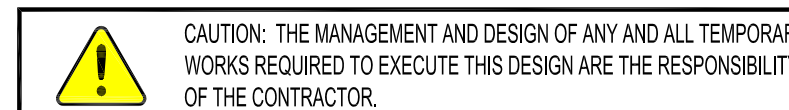


RESIDUAL EXTRA-ORDINARY OR UNEXPECTED HAZARDS

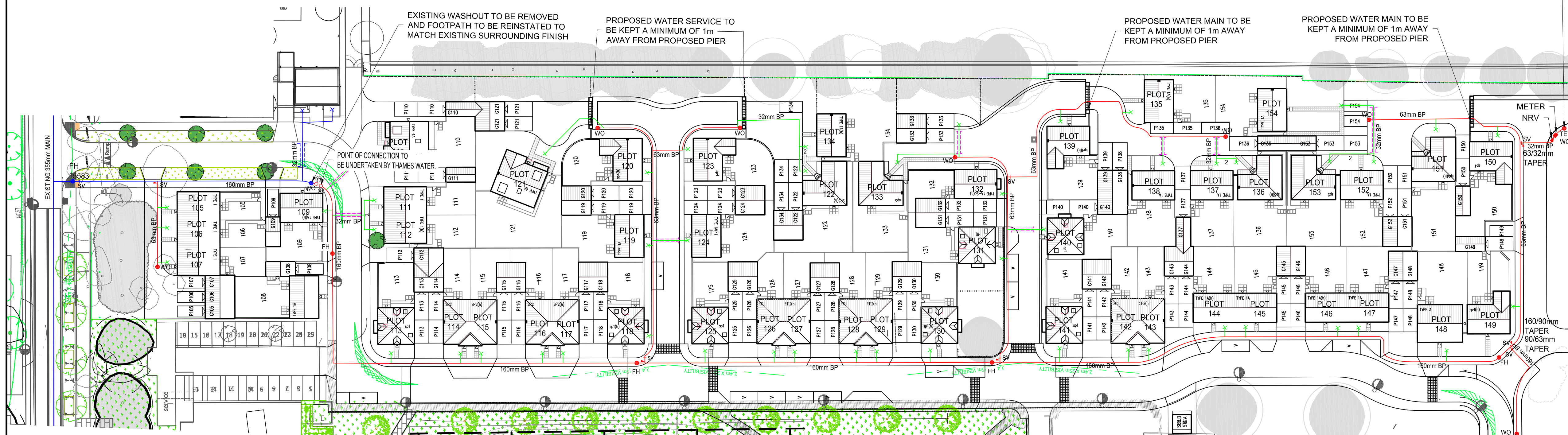
HAZARD REF.	HAZARD	MEASURES TAKEN	RESIDUAL RISK
H1.1	GROUND CONDITIONS	BARRIER PIPE SPECIFIED BY CLIENT.	FUTURE CONNECTIONS OR WORK ON MAINS MAY NOT UTILISE BARRIER PIPE PROTOCOLS.
H2.1	HAZARDOUS ENVIRONMENT	DETERMINE NATURE AND EXTENT OF CONTAMINATION USING DESK STUDY, TRIAL PITS AND LABORATORY TESTING. CONTRACTOR TO DEVELOP AND IMPLEMENT AN APPROPRIATE SAFE METHOD OF WORKING.	RESIDUAL RISK IS DEPENDENT ON COMPLIANCE WITH SAFE METHOD OF WORKING.
H4.1	EXISTING SERVICES	CONTRACTOR TO CONDUCT APPROPRIATE SERVICE RECORD CHECKS AND ON SITE CHECKS PRIOR TO COMMENCEMENT OF CONSTRUCTION.	ACCEPTABLE.
H7.1	PROXIMITY TO OTHER ACTIVITIES	CONTRACTOR TO ENSURE THAT ALL PERSONNEL ARE SUITABLY TRAINED AND COMPETENT TO WORK ON A CONSTRUCTION SITE. ADHERE TO SITE PROCEDURES AND UTILISE SAFETY MEASURES. APPROPRIATE PPE TO BE USED AT ALL TIMES.	THE MEASURES TAKEN BY THE CONTRACTOR WILL ENSURE THAT THE RISKS ARE MANAGED DURING THE CONSTRUCTION PHASE.
H20.1	RESIDUAL RISK TO FUTURE USERS	HOUSE HOLDERS TO BE ADVISED OF CONTAMINATED GROUND AND THAT BARRIER PIPE IS REQUIRED FOR ANY FUTURE SERVICE INSTALLATIONS OR REPLACEMENTS.	ADVICE NOT HEEDED OR PASSED ON IN FUTURE MAY ALLOW CONTAMINATION OF WATER SUPPLY.



CAUTION: THE MANAGEMENT AND DESIGN OF ANY AND ALL TEMPORARY WORKS REQUIRED TO EXECUTE THIS DESIGN ARE THE RESPONSIBILITY OF THE CONTRACTOR.

PROPOSED 32mm WATER SUPPLY TO SEWAGE PLANT.

DETAILS AND REQUIREMENTS UNKNOWN. THIS TO BE CONFIRMED WITH DORCHESTER LIVING AND AGREED BY THAMES WATER.



NOTES

- ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS SHOWN OTHERWISE.
- THIS DESIGN IS PROPOSED ON THE BASIS OF CLIENT BRIEF, SPECIFICATIONS, BEST PRACTICE AND RISK REDUCTION / ELIMINATION. THE DESIGNER MUST BE CONSULTED ON ANY PROPOSED CHANGES, BEFORE THEY ARE CONSIDERED FOR IMPLEMENTATION.
- ANY PROPOSED CHANGES TO THE WATER NETWORKS TO BE CHECKED FOR CLASHES WITH SEWERAGE.
- GROUND CONTAMINATION PRESENT THROUGHOUT SITE - ALL MAINS AND SERVICE PIPES TO BE "PROTECTALINE" PE80 (UP TO AND INCLUDING 63mm BP) AND PE100 (90mm BP AND ABOVE), COMPLY WITH WIS 4-32-19 AND LATEST VERSION OF THAMES WATER COMPANY SPECIFIC ADDENDUM.
- ALL PIPES TO BE LAID IN ACCORDANCE WITH WRC SELF-LAYING OF WATER MAINS AND SERVICES A CODE OF PRACTICE FOR ENGLAND AND WALES 2ND EDITION.
- MINIMUM TRENCH WIDTH TO BE 550mm. TYPE A GRANULAR BED AND SURROUND WELL COMPACTED - TYPE 'A' GRANULAR BED AND SURROUND TO PIPES SHALL BE UNCRUSHED GRAVEL, OR CRUSHED STONE OR CRUSHED GRAVEL, THE GRADING OF WHICH COMPLIES WITH TABLE 4 OF BS 882 FOR NOMINAL SIZE OF SINGLE SIZED AGGREGATES. WHEN TESTED IN ACCORDANCE WITH BS 812, THE 10% FINES VALUE SHALL NOT BE LESS THAN 50kN AND FOR THAT PORTION OF A SAMPLE RETAINED ON A 6mm SIEVE THE INDEX OF FLAKINESS SHALL NOT EXCEED 45%. MATERIAL GRADING TO BE 10mm NOMINAL SIZE OF SINGLE SIZED AGGREGATES.
- TREES TO BE CONFIRMED - TYPES AND PROXIMITY TO WATER MAINS.
- WATER MAINS & SUPPLY PIPES TO BE LAID AT DEPTH AS RECOMMENDED IN NJUG PUBLICATION NUMBER 7.
- TEST PRESSURE TO BE CONFIRMED BY THAMES WATER.
- THE WATER MAIN ARRANGEMENT SHOWN ON THIS DRAWING AS INSTRUCTIONS FROM DORCHESTER LIVING AND WILL BE SUBJECT TO REVIEW FROM THAMES WATER BEFORE BEING CONFIRMED.

LEGEND WATER SUPPLY

- EXISTING WATER MAIN
- EXISTING WATER SERVICE SINGLE METER
- EXISTING WATER SERVICE WITHIN DUCT
- NEW POTABLE WATER MAIN - BLUE PE BP SEE NOTE 3
- NEW POTABLE WATER SERVICE SINGLE METER - BLUE PE BP SEE NOTE 3
- SERVICE CONNECTION MANIFOLD WITH NO. OF PORTS
- NEW POTABLE WATER SERVICE DUCT PROVIDED BY CLIENT
- DIAMETER CHANGE
- NEW POTABLE WATER SLUICE VALVE
- NEW POTABLE WATER WASHOUT
- NEW TEMPORARY WASHOUT
- NEW POTABLE WATER FIRE HYDRANT
- PROPOSED TREES
- EXISTING TREES

REFERENCES

GRID REFERENCE: 451469, 225583

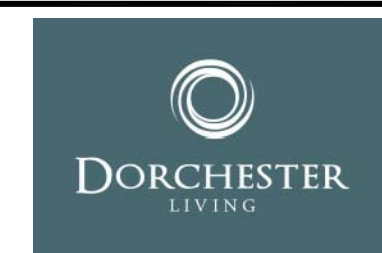
DEVELOPER/SLO

DORCHESTER LIVING

R01	01/06/15	FIRE HYDRANTS ADDED FROM FIRE AUTHORITY CONSULTATION RECEIVED 28TH MAY 2015	TF	DRD	TM
R00	15/05/15	APPROVAL	TF	DRD	TM
B	12/12/14	INCREASED 50mm TO 63mm & TEMP WHO & PHASE 3	-	-	-
A	09/12/14	FIRST ISSUE	-	-	-

REV.	DATE	DESCRIPTION	DRAWN	CHK'D	APP'D
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CLIENT



Waterco Ltd., Eden Court, Lon Parcwr Business Park, Ruthin LL15 1NJ tel 01824 702220 www.waterco.co.uk

SCHEME

UPPER HEYFORD, OXFORD

TITLE

WATER SUPPLY
PHASE 3

STATUS

APPROVAL

DRAWN (ORIG.)	CHECKED	APPROVED	SCALE / SHEET SIZE
GPJ	TM	RMW	AS SHOWN / A1

CLIENT REFERENCE	DATE
-	09/12/2014

DRAWING NO.	REV
w4028-d07	R01

WATER SUPPLY - PHASE 3
SCALE: 1:500

PRINCIPAL LENGTHS

160mm PE100 TYPE A BARRIER PIPE SDR17 320 METRES
63mm PE80 TYPE A BARRIER PIPE SDR11 291 METRES
32mm PE80 TYPE A BARRIER PIPE SDR11 60 METRES
25mm PE80 TYPE A BARRIER PIPE SDR11 349 METRES

NOTE:
CONTESTABLE WORKS

ALL PROPOSED WATER MAIN LAYING, SERVICES AND METERS TO BE PROVIDED BY DORCHESTER LIVING INCLUDING TEMPORARY WOS AT POINT Y1.

NON CONTESTABLE WORKS

THAMES WATER TO PROVIDE BRANCH CONNECTION, VALVE AND TEMPORARY WASHOUT AT POINT X1.

PIECE UP AT POINTS X1-Y1 TOGETHER WITH REMOVAL OF TEMPORARY WOS TO BE UNDERTAKEN BY THAMES WATER.

Figure 1 - Recommended arrangement in a 2m footway

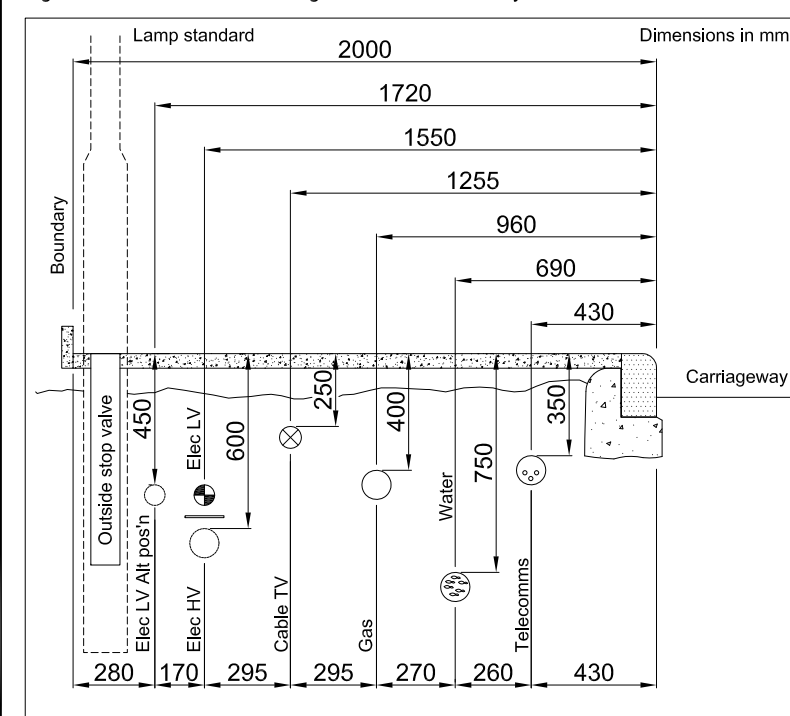
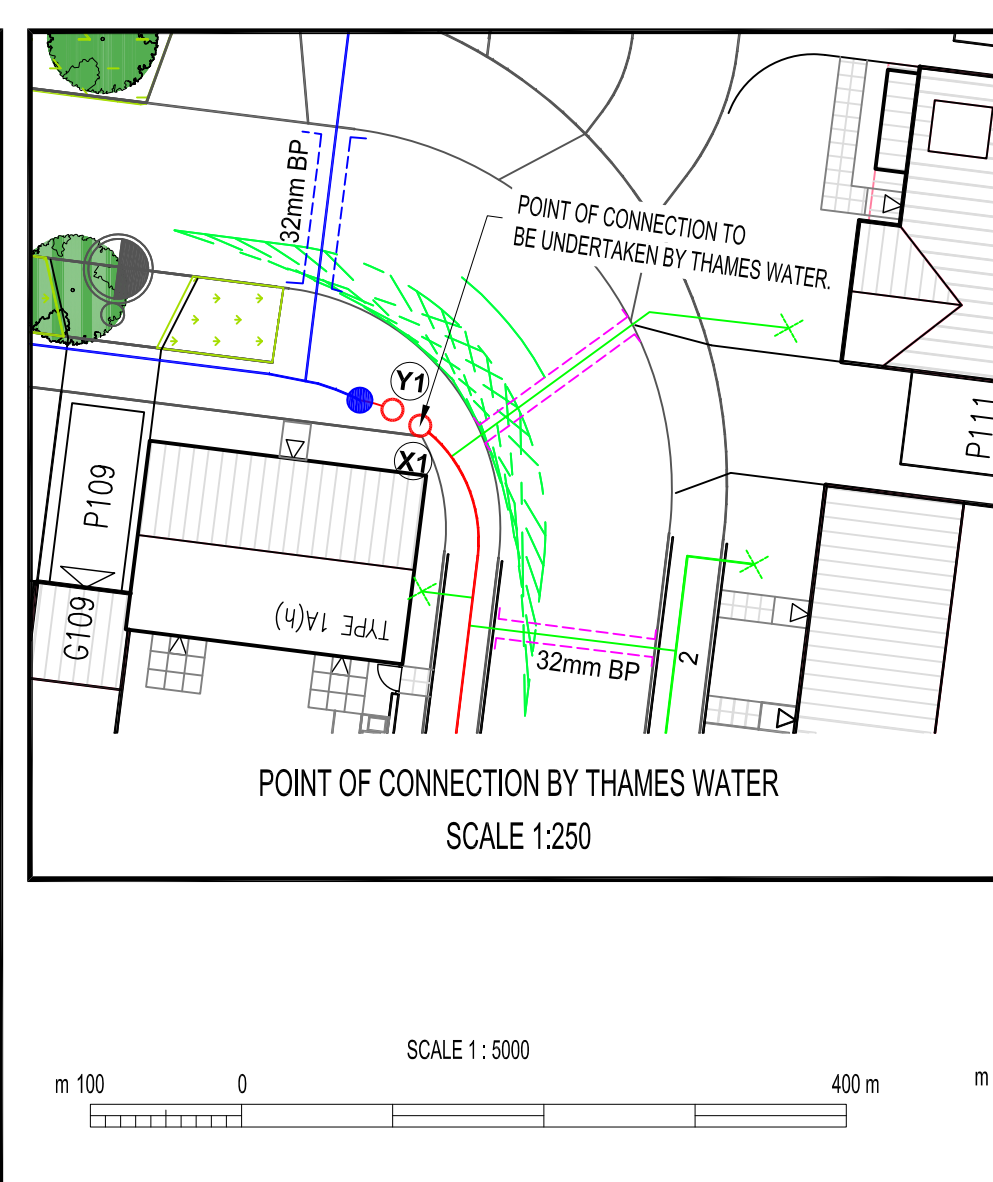
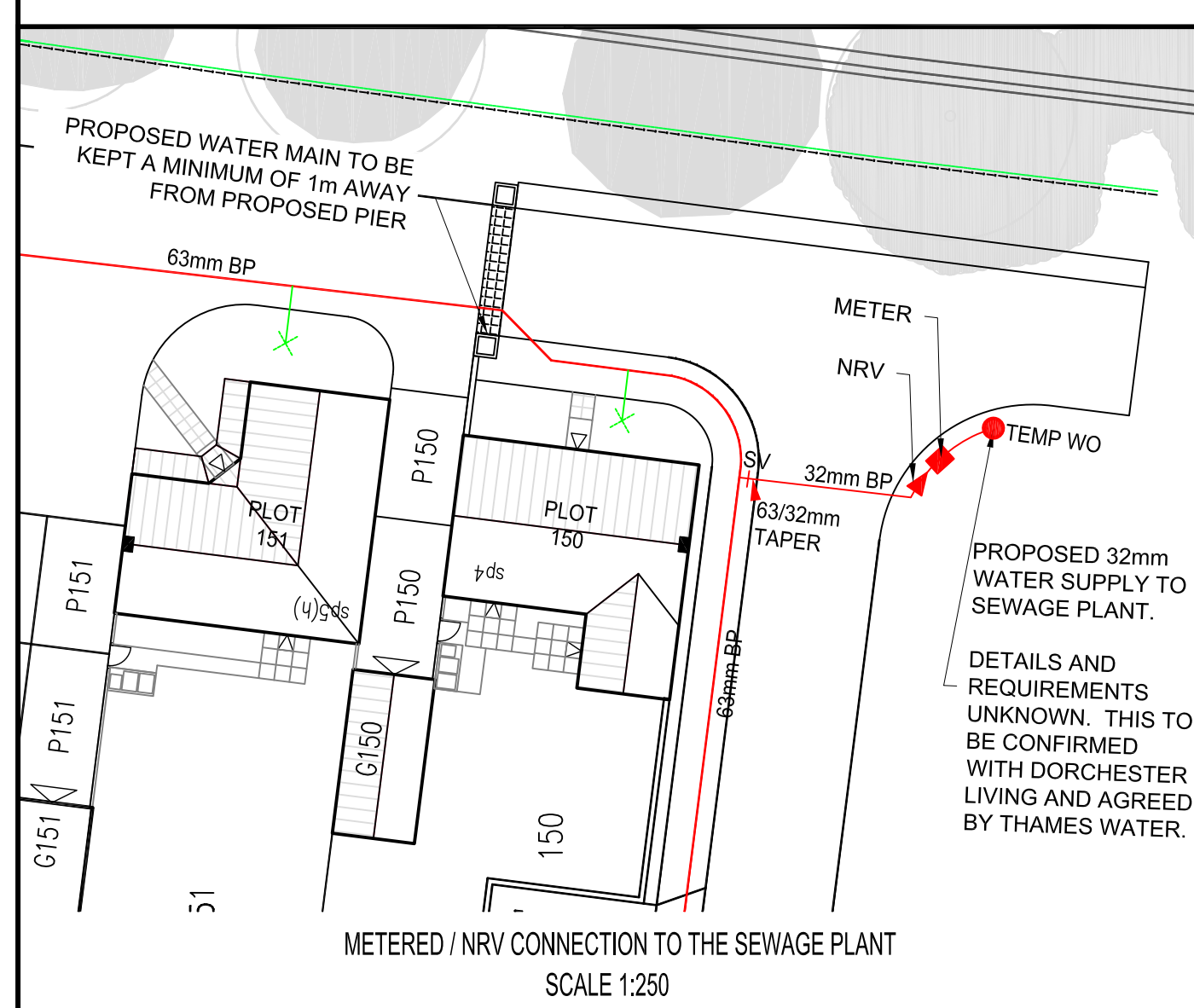


Table 1 - Excavation widths and pipe bed & surround thickness

Diameter of main	63mm	90mm	110mm	160mm	225mm	315mm
Nominal excavation width	350mm	400mm	400mm	500mm	600mm	600mm
Pipe bed and surround (compacted)	50mm	75mm	75mm	100mm	150mm	150mm



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