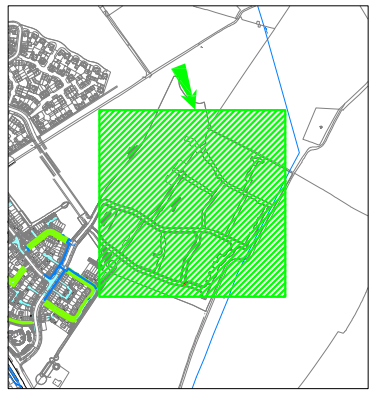
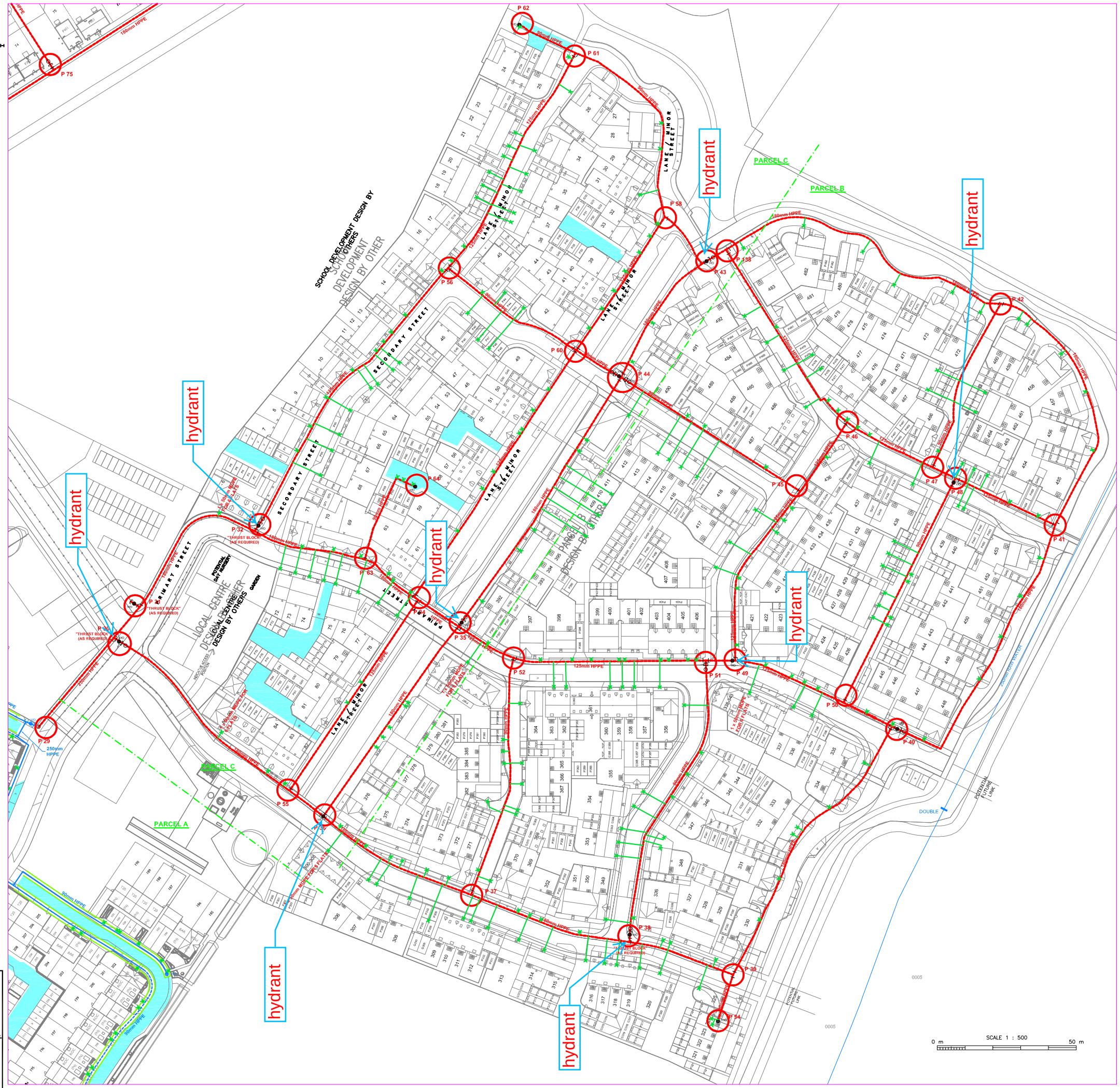


SITE LOCATION PLAN
(NOT TO SCALE)

NOTE: PIPE MATERIAL SELECTION IS DEPENDENT UPON A FULL SOIL REPORT BEING SUBMITTED



NOTES:

1. ALL GRID INVERTS TO BE POINT(S)@ 150 MORE THAN THE PIPE LAST DRAIN OFF POINT.
2. ALL FIRE HYDRANTS TO BE INSTALLED TO BS750(OPPORTUNISTIC OUTLET ONLY).
3. ALL FITTINGS & CHAMBERS WITH INVERS(BOSS) GROUND MUST BE ADEQUATELY SUPPORTED BY 1x1m SLEEVE OF CONCRETE WITH A DEPTH OF A300 MEW ON SUITABLE COMPACTED MATERIAL TO A DEPTH OF 150mm.
4. ALL TEMPORARY PIPE WORK FOLLOWING HANDBOOK OF WATER LAID PERMANENT OF FITTINGS, (INCLUDING CONDEMNED MUST BE CAPPED TO ENSURE NO DEBRIS ENTERS THE PIPE OR DAMAGE OF DAMAGE TO THE PIPE FROM FUTURE GROUND MOVEMENTS.
5. ALL THRUST BLOCKS MUST BE DETERMINED ON SITE AND CALCULATED (SUBJECT TO BEARING CAPACITY OF THE SOIL.
6. THE ACTUAL LINE AND DEPTH OF THE MAIN OR PIPE AS SHOWN IS SUBJECT TO VARIATION DUE TO OBSTRUCTIONS.
7. IT IS THE CUSTOMER'S RESPONSIBILITY FOR INDICATING THE PLANNED BOUNDARY LINES AND LEVELS OF ALL ROADS, PATHS, ETC., IN WHICH MAINS ARE TO BE LAID.
8. ANY ALTERATIONS DUE TO THESE LINES OR LEVELS BE MADE WITHOUT THAMES WATER'S CONSENT AFTER THE MAINS HAVE BEEN LAID, THEN THE CUSTOMER WILL BE RESPONSIBLE FOR THE COST OF ANY SUBSEQUENT ALTERATIONS TO OUR APPARATUS.
9. ENTRANCES TAKE INTO ACCOUNT ANY TOPOGRAPHIC VARIANCES.
10. PLEASE NOTE FITTINGS ARE NOT SHOWN TO SCALE.
11. ALL DUCTILE IRON PIPEWORK IS TO BE WRAPPED UNLESS OTHERWISE SPECIFIED.
12. MAINS WILL BE INSTALLED AT A UNIFORM DEPTH WITH THE MINIMUM NUMBER OF BENDS REQUIRED AND TO BE LAID IN A DIRECT ROUTE AS FAR AS PRACTICALLY POSSIBLE.

TRAFFIC MANAGEMENT ACT

SERVICE ORDER No: 80156154 GRID REF SP4670538095
OPERATION No: GRID REF
OPERATION No: GRID REF
OPERATION No: GRID REF
OPERATION No: GRID REF

AS LAID SIGN OFF

(PLEASE TICK TO CONFIRM)

ROUTE OF NEW MAIN & APPARATUS AS INDICATED ☐

DEPTH OF COVER OF NEW MAIN:
0.9 ☐ OTHER (PLEASE STATE) ☐

DEPTH OF COVER AT CONNECTION POINT TO EXISTING MAIN (POINT 1)
0.9 ☐ OTHER (PLEASE STATE) ☐

PART 'AS LAID' S DRAWING ☐ FULL 'AS LAID' DRAWING ☐

FIRs PERMANENTLY REINSTATED YES ☐ NO ☐ N/A ☐

CONTRACTOR SIGN OFF: DATE
THAMES WATER SIGN OFF: DATE

PREFERRED LAYOUT FOR MAINS IN A 2 METRES WIDE FOOTWAY:

MAINS ROUTE

NOTES:

1. THE LAYOUT OF MAINS IS GENERALLY IN ACCORDANCE WITH THE REPORT OF JOINT COMMITTEE ON LOCATION OF UNDERGROUND SERVICES PUBLISHED BY THE INSTITUTION OF CIVIL ENGINEERS.
2. THE DIMENSIONS SHOWN REPRESENT THE PREFERRED APPROXIMATE IN STRAIGHT ROUTES ON RESIDENTIAL ESTATES, VARIATIONS MAY BE NECESSARY IF CURVES AND CHANGES OF GRADIENT.
3. THE SPACE ALLOCATED IS CONSIDERED TO BE THE ABSOLUTE MINIMUM FOR SERVICE MAINS TO BE LAID. IN THE CASE OF NEWLY LAID ROADS WHERE SERVICES ARE LAID PRIOR TO KERBS THEY MAY BE LAID IN THE ALTERNATE POSITION AND ADDITIONAL WIDTH MAY BE REQUIRED.
4. WHERE SERVICES ARE TO BE CONNECTED TO MAINS A MINIMUM DISTANCE OF 2.0METRES REQUIRED BETWEEN THE BUILDING LINE AND THE KERBS LINE OF THE ROAD.
5. MINIMUM DISTANCE OF ANY WATER SERVICE TO ANY SERVICE FOUL WATER STRUCTURE IS 300mm.

COVER OF WATER MAIN

UP TO 12.000mm 900mm
12.000mm TO 24.000mm 1100mm
24.000mm AND OVER 1200mm

TRENCH WIDTH

NOMINAL TRENCH WIDTHS TO ALLOW FOR 150mm BED AND SURROUND TO MAIN

SCHEDULE OF FITTINGS

ALL FITTINGS, MATERIALS, PIPES & JOINTS ARE TO BE INSTALLED IN ACCORDANCE WITH "LOT C2 STANDARD NEW MAINS AND CONNECTIONS (APRIL 2010)"

POINT NUMBER	FITTINGS
Point 29	1 x Flanged fused stub(200mm) 1 x Temporary disinfection fittings 2 x Flanged adaptor(200mm) 4 x Flanged bend(200mm)
Point 30	2 x Flanged fused stub(200mm) 1 x Valve+Chamber(200mm) 2 x Extension piece(200mm) 1 x All Flanged Tee(200x200mm) 1 x Valve+Chamber(150mm) 1 x Extension piece(150mm) 1 x All Flanged Tee(150x150mm) 1 x Washout+Chamber(80mm) 1 x Blanking plate(150mm) 1 x Flanged fused stub(150mm) 1 x Flanged reducer(150mm) 1 x Duckfoot bend flanged(100mm) 1 x Washout+Chamber(80mm) 2 x Flanged adaptor(150mm)
Point 31	1 x Flanged fused stub(200mm) 1 x Valve+Chamber(150mm) 1 x Flanged reducer(200mm) 1 x Flanged fused stub(150mm) 1 x Extension piece(200mm) 1 x All Flanged Tee(200x200mm) 1 x Valve+Chamber(200mm) 1 x Extension piece(200mm) 1 x All Flanged Tee(200x200mm) 1 x Washout+Chamber(80mm) 1 x Blanking plate(200mm)
Point 32	2 x Flanged fused stub(150mm) 1 x Valve+Chamber(150mm) 1 x Extension piece(150mm) 1 x All Flanged Tee(150x150mm) 1 x Valve+Chamber(150mm) 1 x Extension piece(100mm) 1 x All Flanged Tee(100x100mm) 1 x Washout+Chamber(80mm) 1 x Blanking plate(100mm) 1 x Flanged fused stub(100mm) 1 x Temporary disinfection fittings 2 x Flanged adaptor(100mm)
Point 34	2 x Flanged fused stub(150mm) 2 x Valve+Chamber(150mm) 2 x All Flanged Tee(150x150mm) 2 x Extension piece(100mm) 2 x Valve+Chamber(100mm) 2 x Flanged fused stub(100mm)
Point 35	1 x Flanged fused stub(150mm) 2 x All Flanged Tee(150x150mm) 1 x Extension piece(150mm) 1 x Valve+Chamber(150mm) 1 x Flanged fused stub(150mm) 1 x Valve+Chamber(150mm) 1 x Extension piece(150mm) 1 x All Flanged Tee(150x150mm) 1 x Washout+Chamber(80mm) 1 x Blanking plate(150mm) 1 x Flanged fused stub(150mm) 1 x Flanged reducer(150mm) 1 x Temporary disinfection fittings 2 x Flanged adaptor(150mm) 1 x Extension piece(150mm) 1 x Valve+Chamber(150mm) 1 x Flanged reducer(150mm) 1 x Flanged fused stub(100mm)
Point 36	3 x Flanged fused stub(150mm) 2 x All Flanged Tee(150x150mm) 3 x Valve+Chamber(150mm) 2 x Extension piece(150mm) 1 x Washout+Chamber(80mm)
Point 37	2 x Flanged fused stub(150mm) 1 x All Flanged Tee(150x150mm) 1 x Valve+Chamber(150mm) 1 x Extension piece(150mm) 1 x Valve+Chamber(80mm) 1 x Flanged fused stub(80mm)
Point 38	2 x Flanged fused stub(80mm) 1 x All Flanged Tee(150x150mm) 1 x Valve+Chamber(150mm) 1 x Extension piece(150mm) 1 x Valve+Chamber(80mm) 1 x Extension piece(80mm) 1 x All Flanged Tee(80x80mm) 1 x Washout+Chamber(80mm) 1 x Blanking plate(80mm) 1 x Flanged fused stub(80mm) 1 x Temporary disinfection fittings 2 x Flanged adaptor(80mm)
Point 39	2 x Flanged fused stub(80mm) 1 x All Flanged Tee(150x150mm) 1 x Valve+Chamber(150mm) 1 x Valve+Chamber(80mm) 1 x Flanged reducer(150mm) 1 x Flanged fused stub(80mm)
Point 40	1 x Flanged fused stub(100mm) 1 x Extension piece(100mm) 1 x Flanged reducer(150mm) 1 x All Flanged Tee(150x150mm) 1 x Extension piece(150mm) 2 x Valve+Chamber(150mm) 1 x Flanged fused stub(150mm) 1 x All Flanged Tee(150x150mm) 1 x Washout+Chamber(80mm) 1 x Blanking plate(150mm) 1 x Flanged fused stub(150mm) 1 x Flanged reducer(150mm) 1 x Temporary disinfection fittings 2 x Flanged adaptor(150mm)
Point 41	2 x Flanged fused stub(150mm) 1 x All Flanged Tee(150x150mm) 1 x Valve+Chamber(150mm) 1 x Extension piece(100mm) 1 x Valve+Chamber(100mm) 1 x Flanged fused stub(100mm)
Point 42	2 x Flanged fused stub(150mm) 1 x All Flanged Tee(150x150mm) 2 x Valve+Chamber(150mm) 1 x Extension piece(100mm) 1 x Flanged fused stub(80mm)
Point 43	1 x Flanged fused stub(150mm) 1 x All Flanged Tee(150x150mm) 1 x Flanged fused stub(80mm) 1 x Valve+Chamber(150mm) 1 x Extension piece(150mm) 1 x All Flanged Tee(150x150mm) 1 x Washout+Chamber(80mm) 1 x Blanking plate(150mm) 1 x Flanged fused stub(150mm) 1 x Temporary disinfection fittings 2 x Flanged adaptor(150mm)
Point 44	2 x Flanged fused stub(150mm) 1 x Valve+Chamber(150mm) 2 x Extension piece(150mm) 2 x All Flanged Tee(150x150mm) 2 x Extension piece(80mm) 2 x Valve+Chamber(80mm) 1 x All Flanged Tee(80x80mm) 1 x Washout+Chamber(80mm) 1 x Blanking plate(80mm) 2 x Flanged fused stub(80mm) 2 x Temporary disinfection fittings 4 x Flanged adaptor(80mm)
Point 45	2 x Flanged fused stub(100mm) 1 x All Flanged Tee(100x100mm) 1 x Valve+Chamber(80mm) 1 x Flanged fused stub(80mm)
Point 46	1 x Flanged fused stub(100mm) 1 x All Flanged Tee(100x100mm) 2 x Valve+Chamber(100mm) 1 x Extension piece(100mm)
Point 47	2 x Flanged fused stub(100mm) 2 x All Flanged Tee(100x100mm) 1 x Valve+Chamber(80mm) 1 x Flanged fused stub(80mm)
Point 48	2 x Flanged fused stub(100mm) 2 x Valve+Chamber(100mm) 1 x All Flanged Tee(100x100mm) 2 x Extension piece(100mm) 1 x All Flanged Tee(80x80mm) 1 x Washout+Chamber(80mm) 1 x Valve+Chamber(80mm) 1 x Flanged fused stub(80mm)
Point 49	3 x Flanged fused stub(80mm) 2 x All Flanged Tee(80x80mm) 1 x Washout+Chamber(80mm) 2 x Extension piece(100mm) 2 x Valve+Chamber(100mm)
Point 50	2 x Flanged fused stub(100mm) 1 x All Flanged Tee(100x100mm) 1 x Valve+Chamber(80mm) 1 x Flanged fused stub(80mm)

SCHEDULE OF FITTINGS

ALL FITTINGS, MATERIALS, PIPES & JOINTS ARE TO BE INSTALLED IN ACCORDANCE WITH "LOT C2 STANDARD NEW MAINS AND CONNECTIONS (APRIL 2010)"

POINT NUMBER	FITTINGS
Point 51	2 x Flanged fused stub(100mm) 2 x Valve+Chamber(100mm) 2 x Extension piece(100mm) 1 x All Flanged Tee(100x100mm) 1 x Valve+Chamber(100mm) 1 x Extension piece(80mm) 1 x Blanking plate(80mm) 1 x Flanged fused stub(80mm) 1 x Temporary disinfection fittings 2 x Flanged adaptor(80mm)
Point 52	2 x Flanged fused stub(100mm) 1 x All Flanged Tee(100x100mm) 1 x Valve+Chamber(100mm) 1 x Extension piece(80mm) 1 x Valve+Chamber(80mm) 1 x Flanged fused stub(80mm)
Point 54	1 x Flanged fused stub(80mm) 1 x Duckfoot bend flanged(80mm) 1 x Washout+Chamber(80mm)
Point 55	2 x Flanged fused stub(150mm) 1 x All Flanged Tee(150x150mm) 1 x Valve+Chamber(100mm) 1 x Flanged fused stub(100mm)
Point 56	2 x Flanged fused stub(100mm) 1 x Valve+Chamber(100mm) 1 x All Flanged Tee(100x100mm) 1 x Extension piece(80mm) 1 x Valve+Chamber(80mm) 1 x Flanged fused stub(80mm)
Point 58	2 x Flanged fused stub(80mm) 1 x Valve+Chamber(80mm) 1 x All Flanged Tee(80x80mm) 1 x Flanged reducer(150mm)
Point 60	2 x Flanged fused stub(100mm) 2 x Valve+Chamber(100mm) 2 x All Flanged Tee(100x100mm) 1 x Extension piece(80mm) 1 x Valve+Chamber(80mm) 2 x Flanged fused stub(80mm)
Point 61	2 x Flanged fused stub(80mm) 1 x Valve+Chamber(80mm) 1 x Extension piece(80mm) 1 x All Flanged Tee(80x80mm) 1 x Flanged reducer(100mm) 1 x Valve+Chamber(100mm) 1 x Flanged fused stub(100mm)
Point 62	1 x Flanged fused stub(80mm) 1 x Duckfoot bend flanged(80mm) 1 x Washout+Chamber(80mm)
Point 63	2 x Flanged fused stub(150mm) 1 x All Flanged Tee(150x150mm) 1 x Extension piece(80mm) 1 x All Flanged Tee(80x80mm)
Point 64	1 x Flanged fused stub(80mm) 1 x Duckfoot bend flanged(80mm) 1 x Washout+Chamber(80mm)
Point 138	2 x Flanged fused stub(150mm) 1 x Valve+Chamber(150mm) 1 x Extension piece(150mm) 1 x All Flanged Tee(150x150mm) 1 x Valve+Chamber(100mm) 1 x Flanged fused stub(100mm)

MAINS LENGTH: PARCEL B & C.

Point 29.0 - Point 30.0	42	ML	TRLS MP 250 SURF-ACC LO
Point 30.0 - Point 31.0	15	ML	TRLS MP 250 SURF-ACC LO
Point 31.0 - Point 32.0	60	ML	TRLS MP 180 SURF-ACC LO
Point 35.0 - Point 55.0	84	ML	TRLS MP 180 SURF-ACC LO
Point 55.0 - Point 34.0	84	ML	TRLS MP 125 SURF-ACC LO
Point 55.0 - Point 36.0	16	ML	TRLS MP 180 SURF-ACC LO
Point 36.0 - Point 35.0	86	ML	TRLS MP 180 SURF-ACC LO
Point 36.0 - Point 37.0	59	ML	TRLS MP 180 SURF-ACC LO
Point 37.0 - Point 52.0	87	ML	TRLS MP 90 SURF-ACC LO
Point 37.0 - Point 38.0	61	ML	TRLS MP 180 SURF-ACC LO
Point 38.0 - Point 51.0	108	ML	TRLS MP 90 SURF-ACC LO
Point 38.0 - Point 39.0	42	ML	TRLS MP 180 SURF-ACC LO
Point 39.0 - Point 54.0	90	ML	TRLS MP 90 SURF-ACC LO
Point 39.0 - Point 40.0	108	ML	TRLS MP 180 SURF-ACC LO
Point 32.0 - Point 56.0	121	ML	TRLS MP 125 SURF-ACC LO
Point 32.0 - Point 63.0	40	ML	TRLS MP 180 SURF-ACC LO
Point 34.0 - Point 35.0	19	ML	TRLS MP 180 SURF-ACC LO
Point 34.0 - Point 60.0	105	ML	TRLS MP 125 SURF-ACC LO
Point 35.0 - Point 44.0	106	ML	TRLS MP 180 SURF-ACC LO
Point 35.0 - Point 52.0	22	ML	TRLS MP 125 SURF-ACC LO
Point 52.0 - Point 51.0	71	ML	TRLS MP 125 SURF-ACC LO
Point 51.0 - Point 49.0	12	ML	TRLS MP 125 SURF-ACC LO
Point 49.0 - Point 45.0	80	ML	TRLS MP 125 SURF-ACC LO
Point 45.0 - Point 46.0	29	ML	TRLS MP 125 SURF-ACC LO
Point 49.0 - Point 50.0	41	ML	TRLS MP 125 SURF-ACC LO
Point 50.0 - Point 40.0	18	ML	TRLS MP 125 SURF-ACC LO
Point 50.0 - Point 47.0	90	ML	TRLS MP 90 SURF-ACC LO
Point 40.0 - Point 41.0	114	ML	TRLS MP 125 SURF-ACC LO
Point 41.0 - Point 47.0	47	ML	TRLS MP 125 SURF-ACC LO
Point 41.0 - Point 42.0	102	ML	TRLS MP 180 SURF-ACC LO
Point 47.0 - Point 48.0	6	ML	TRLS MP 125 SURF-ACC LO
Point 48.0 - Point 42.0	66	ML	TRLS MP 90 SURF-ACC LO
Point 48.0 - Point 46.0	37	ML	TRLS MP 125 SURF-ACC LO
Point 45.0 - Point 44.0	76	ML	TRLS MP 90 SURF-ACC LO
Point 44.0 - Point 60.0	79	ML	TRLS MP 90 SURF-ACC LO
Point 60.0 - Point 56.0	56	ML	TRLS MP 90 SURF-ACC LO
Point 60.0 - Point 58.0	58	ML	TRLS MP 125 SURF-ACC LO
Point 56.0 - Point 61.0	90	ML	TRLS MP 125 SURF-ACC LO
Point 44.0 - Point 43.0	56	ML	TRLS MP 125 SURF-ACC LO
Point 42.0 - Point 138.0	124	ML	TRLS MP 180 SURF-ACC LO
Point 46.0 - Point 138.0	78	ML	TRLS MP 125 SURF-ACC LO
Point 138.0 - Point 43.0	8	ML	TRLS MP 180 SURF-ACC LO
Point 43.0 - Point 58.0	24	ML	TRLS MP 125 SURF-ACC LO
Point 58.0 - Point 61.0	75	ML	TRLS MP 90 SURF-ACC LO
Point 61.0 - Point 62.0	22	ML	TRLS MP 90 SURF-ACC LO
Point 63.0 - Point 34.0	24	ML	TRLS MP 180 SURF-ACC LO
Point 61.0 - Point 64.0	30	ML	TRLS MP 90 SURF-ACC LO

A = AVAILABLE GROUND
B = EXISTING FOOTWAYS
C = EXISTING ROADS
D = DEVELOPMENT SITE
E = BOUNDARIES
FM = FURTHER MADE FOOTWAYS/ROAD
NO = NOT ONE

CUSTOMER ATTENTION - LAY ONLY NOMINAL TRENCH WIDTH

NOMINAL TRENCH WIDTHS TO ALLOW FOR NO MORE THAN 100mm 'BED AND SURROUND' TO THAMES WATER PIPE UNLESS INSTRUCTED OTHERWISE BY THAMES WATER

REV	DESCRIPTION	DRN	CHK	APP	DATE
3	CHANGED LAYOUT	RA			11.04.14
2	REVISED MAIN AND SERVICE PIPES	RA			11.04.14
1	FOR INFORMATION	RA			11.04.14

SITE LOCATION:
PARCELS B & C,
LONGFORD PARK,BODICOTE,
OX15 4AD

MATERIAL: HPPE	**DIA:** 250mm	**LENGTH:** 57m
MATERIAL: HPPE	**DIA:** 180mm	**LENGTH:** 1109m
MATERIAL: HPPE	**DIA:** 125mm	**LENGTH:** 666m
MATERIAL: HPPE	**DIA:** 90mm	**LENGTH:** 681m

Proposed main in different phase
Existing main
Main to be abandoned
Proposed main
Duct to be provided by client
Washout
Fire Hydrant
Temporary washout
Service connection
Service connection manifold with No. of ports
Valve
Air valve
Blanking plate
Closed valve
Double spade valve
Meter

THAMES WATER UTILITIES
DEVELOPER SERVICES
CLEARWATER COURT
VASTERN ROAD
READING RG1 8DB
TEL: 0845 850 2777
EMAIL: developerservices@thameswater.co.uk

SUB-CASE No: 50025156
SERVICE ORDER No: 80156154
SCHEME No: C751
WFA No: 132
SELF-LAY No: -
GRID REF: 446765, 238090
SCALE: 1:500 @ A0
REVISION: 3
DESIGN BY: RJHINDLE 17/08/2004
DRAWN BY: RJHINDLE 17/08/2004

THIS DRAWING IS BASED ON DEVELOPERS DRAWING No: 2431-1-01 dated 5.8.04

LAKES AND LEVELS CONFIRMED DURING SITE MEETING HELD ON -

	CONTRACTOR	SURVEYOR	CUSTOMER
NAME			
SIGNATURE			
COMPANY			

CAD PATH: SCAD DRAWINGS-CLEAN WATER 2014\50025156 PARCELS B & C,LONGFORD PARK,BODICOTE,OX15 4AD\Drawings\MP 50025156 PARCELS B & C,LONGFORD PARK,BODICOTE,OX15 4AD REV 3

CAD DATE: 26/11/2014 CAD : 04