DO NOT SCALE - IF IN DOUBT ASK

MORRISON Water Services
Gunnels Wood Road, Stevenage, Hertfordshire, SG1 2ST
AECOM Limited
Midpoint Alencon Link Basingstoke RG21 7PP

NOTES:

APPROXIMATE ABANDON LENGTH	= 247 m*
APPROXIMATE RATIONALISATION LENGTH	= 0 m*
APPROXIMATE RELAY LENGTH	= 261 m*
VCAP SERVICES COUNT ESTIMATE	= 22

* DOES NOT INCLUDE COMMS CONNECTIONS

1. ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS IN METRES UNLESS SHOWN OTHERWISE.
2. PROPOSED WATER MAIN ROUTE HAS BEEN SHOWN INDICATIVELY AND DOES NOT MAKE AN ALLOWANCE FOR BURIED SERVICES. CONTRACTOR TO CONFIRM THE ROUTE BASED ON TRIAL PIT FINDINGS.
3. FOR THRUST BLOCK DESIGN REFER TO DRAWING K118.02-JV-ZZ-299-DR-CE-1005.
4. INDICATIVE LOCATION OF HAZARDS ASSOCIATED WITH HIGH-RISK SERVICES (HV ELECTRICITY, IP, MP & HP GAS MAIN, OIL PIPELINES) HAVE BEEN IDENTIFIED BY THE HAZARD TRIANGLES SHOWN. CONTRACTOR TO REVIEW STATS RECORDS AND CONFIRM EXISTING SERVICES LINES AND LEVELS BY INVESTIGATION PRIOR TO ANY CONSTRUCTION WORKS.
5. CONTRACTOR TO USE MATERIALS FOR WATER MAINS IN ACCORDANCE WITH CESWI 7th EDITION AND THAMES WATER'S AMENDMENTS IN AM-DES-CIV-C02 AND APPROVED TW FRAMEWORK SUPPLIER LIST. ALL DISTRIBUTION MAINS >63MM TO BE PE100 SDR17 (10BAR) SIZE UNLESS SPECIFIED OTHERWISE.
6. EXISTING WATER MAIN TO BE ABANDONED FOLLOWING COMMISSIONING. FIRST 1M TO BE FILLED WITH G2/G3 GROUT OR FOAMED CONCRETE AS PER CESWI 7TH AND TWUL STANDARD AM-DES-CIV-C02 SECTION 5.33 AND OLD MARKER POSTS AND IRONWORKS TO BE REMOVED AND REINSTATED AS PER CESWI 7TH AND TW STANDARD AM-DES-CIV-C02 SECTION 5.25.
7. ALL HYDRANTS TO BE THROUGH BORE TYPE. FIRE HYDRANTS MUST BE SITED IN THE FOOTPATH OR VERGE, ONE METER CLEAR OF ALL OBRUCTIONS & NO MORE THAN 300 BELOW GROUND LEVEL. THE HYDRANT SHOULD CONFORM TO BS:750 AND BE INDICATED WITH A FIRE HYDRANT INDICATOR PLATE CONFORMING TO BS:3251. ALL HYDRANTS ARE TO BE FITTED WITH A STANDARD BS:750 FH COVER. SEE TW STANDARD DRAWINGS AM-DRG-WN-02211, AM-DRG-WN-02212 AND AM-DRG-WN-02213 FOR DETAILS.
8. ALL SUPPLY PIPES MUST BE INSTALLED UP TO THE PROPERTY BOUNDARIES. ALL EXISTING SURFACE BOXES ARE TO BE REPLACED EXCEPT WHERE EXISTING BOXES CONFORM TO CURRENT NATIONAL STANDARDS. BOUNDARY BOX IS TO BE INSTALLED IF NOT PRESENT.
9. DESKTOP STUDY UNDERTAKEN TO IDENTIFY POTENTIAL AREAS OF CONTAMINATED LAND (SEE DESIGN REPORT FOR DETAILS). AREAS IDENTFIED INDICATE REQUIREMENT FOR PE BARRIER PIPE OR SUITABLE ALTERNATIVE AS SPECIFIED IN TW ASSET STANDARD WN02 SECTION 6.2. WHERE SHOWN, ALL ASSOCIATED PIPEWORK, FITTINGS, CONNECTORS AND SEALANTS MUST BE SUITABLE FOR USE IN CONTAMINATED LAND UP TO THE PROPERTY BOUNDARY.
10. FOR PROJECT SPECIFIC ENVIRONMENTAL MANAGEMENT PLAN, REFER TO K118.02-JV-ZNORWD10-200-RP-EN-1116.
11. SYSTEM TEST PRESSURE CALCULATED AT 10 BAR BASED ON LATEST CLIENT SUPPLIED MODELLING DATA INCLUDING FORECAST DEMAND. AECOM TAKE NO RESPONSIBILITY FOR QUALITY OR ACURACY OF THE DATA RECIEVED. ALL TESTING, COMMISSIONING AND HANDOVER TO BE IN LINE WITH TWUL STANDARDS AND OPERATIONAL PROCEDURES.
12. PIPE BEDDING TO BE AS PER TWUL STANDARD AM-DRG-WN-02220.
13. THE OUTLINE FITTINGS SCHEDULE IS PROVIDED AS GUIDANCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL PIPEWORK AND FITTINGS REQUIRED TO CONSTRUCT THE PROPOSED DESIGN.

ENVIRONMENTAL CONSTRAINT	STATUS
ARCHAEOLOGICAL PRIORITY AREA	NOT PRESENT
SSSI	NOT PRESENT
FLOOD PLAIN	NOT PRESENT
CONSERVATION AREA	NOT PRESENT
AREA OF CONSERVATION IMPORTANCE	NOT PRESENT
WATERCOURSE	NOT PRESENT

DESCRIPTION	LEGEND	DESCRIPTION	LEGEND
NEW PIPE (HDD)		FIRE SUPPLY-END ITEM REPLACE	F
NEW PIPE (OPEN CUT)		FIRE SUPPLY-END ITEM RETAIN	F
INSERTION		NEW FIRE HYDRANT	
BARRIER PIPE		CUSTOMER SUPPLY REPLACE	C
PIPE BURSTING		CUSTOMER SUPPLY RETAIN	C
TO BE ABANDONED		NEW WASHOUT	
RETAINED MAINS		HYDRANT-RETAIN	
TRUNK MAIN		DISTRICT METER	
CAPPED END		NEW VALVE	
LISTED BUILDING		VALVE TO BE ABANDONED	
SPECIAL NEEDS	S	VALVE TO BE RETAINED	
KEY ACCOUNTS		ABANDON HYDRANT	
COMMERCIAL RISK CODE	3	BOUNDARY VALVE	
DIALYSIS CUSTOMER	D	THRUST BLOCK	
HOSPITALS	H	WATERCOURSE	
SCHOOLS			

SCALE= NOT TO SCALE (ISO A1)

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CURRENT REVISION INFORMATION

Revision	Status	Suitability Description	Authored	Checked	Reviewed	Date
C02	S4	FOR CONSTRUCTION	AG	AA	DM	23/01/23
C01	S4	FOR CONSTRUCTION	AB	AA	DM	10/10/22
P01	S2	BE UNDERSTOOD	KG	AA	NG	22/08/22

Thames Water Utilities
Clearwater Court
Vastern Road, Reading RG1 8DB

LOCATION CODE: SW2 3EB	OS REFERENCE: 531112, 172949	SECURITY REF.: UBR
PROJECT GROUP: MAINS REPLACEMENT	SUB PROCESS: CLEAN WATER	
LOCATION/TOWN: LAMBETH		
SITE NAME: COBURG CRESCENT		
PROJECT NAME: AMP7- SOUTH LONDON MAINS REPLACEMENT- BATCH 4		
DRAWING TITLE: 10070 COBURG CRESCENT		
SCALE: 1:500	SHEET SIZE: A1	STATUS: S4
DRAWING NO.: K118.02-JV-ZNORWD10-201-DR-CE-1115		REVISION: C02

N

DETAIL-2
SCALE: 1:100

CONNECTION TO EXISTING 6" DI MAIN. THRUST BLOCK REQUIRED. OPEN CUT. SEE NOTE 3.
SACRIFICIAL VALVE TO FACILITATE COMMISSIONING. BLANK FLANGE TO BE ADDED POST EXISTING MAIN ABANDONMENT
CUT AND CAP EXISTING 6" DI MAIN
ABANDON 4" DI
125mm PE100
180mm PE100
ABANDON 6" DI
CI Trunk Main 12"
CI Trunk Main 30"
HPPE Trunk Main 355 mm

DETAIL-3
SCALE: 1:100

CONNECTION TO EXISTING 4" DI MAIN. THRUST BLOCK REQUIRED. OPEN CUT. SEE NOTE 3.
SACRIFICIAL VALVE TO FACILITATE COMMISSIONING. BLANK FLANGE TO BE ADDED POST EXISTING MAIN ABANDONMENT
CUT AND CAP EXISTING 4" DI MAIN
NEW FIRE HYDRANT TO REPLACE EXISTING (FH NO. 16388). SEE NOTE 7.
ABANDON 4" DI
125mm PE100

DETAIL-1
SCALE: 1:100

CONNECTION TO EXISTING 4" DI MAIN. THRUST BLOCK REQUIRED. OPEN CUT. SEE NOTE 3.
CUT AND CAP EXISTING 6" DI MAIN
SACRIFICIAL VALVE TO FACILITATE COMMISSIONING. BLANK FLANGE TO BE ADDED POST EXISTING MAIN ABANDONMENT
CONSTRUCTION TO CONFIRM POINT OF CONNECTION DUE TO NUMBER OF SERVICES
180mm PE100
ABANDON 6" DI
DBV522521

SEE DETAIL 1
SEE DETAIL 2
SEE DETAIL 3

COBURG CRESCENT
PALACE ROAD
HILLSIDE ROAD
Chainer House
Despard House
Ouseley House
Hill-View
Southside
Palace Court
Redhill Court

ABANDON 4" DI
125mm PE100 / 147m
ABANDON 6" DI
180mm PE100 / 15m
180mm PE100 / 16m
180mm PE100/ 79m
NEW FIRE HYDRANT TO REPLACE EXISTING (FH NO. 16387). SEE NOTE 7.
CONNECTION TO EXISTING SERVICES
CONNECTION TO EXISTING SERVICES
CHECK PIPE DIAMETER OF CONNECTIONS ON SITE.
HV CABLE
EHV CROSSING
EHV PARALLEL
HV CROSSING

63.6m
59.3m
61.6m

HPPE Trunk Main 355 mm
MDPE Trunk Main 180mm

OUTLINE FITTINGS SCHEDULE- REFER NOTE 13

FITTINGS / ITEM	NUMBER (NO.) / LENGTH (M)
VALVES	8 NO.
HYDRANTS / WASHOUTS	4 NO.
BARRIER PIPE	39m

DESIGN HAZARD INFORMATION NON HIGH RISK

HAZARD SYMBOL	DESCRIPTION	NOTE
1	HIGH HUMAN TRAFFIC AND SENSITIVE SERVICES	BUSY ROAD IN THE VICINITY OF PROPOSED WORKS.
2	TRUNK MAINS	TRUNK MAINS IN THE VICINITY OF PROPOSED WORKS.

NOTE: FOR FURTHER DETAILS, REFER TO PROJECT SPECIFIC HSI-12 DRA DOCUMENT (K118.02-JV-ZNORWD10-200-RP-CE-1114).

ENVIRONMENTAL HAZARD INFORMATION

HAZARD SYMBOL	DESCRIPTION	NOTE
1	LISTED BUILDING	LISTED BUILDING IN THE VICINITY OF PROPOSED WORKS.
2	TREES	SEVERAL TREES SUBJECT TO TREE PRESERVATION ORDERS (TPO'S), THE CLOSEST OF WHICH IS LOCATED AT THE SOUTHERN END OF COBURG CRESCENT ASSOCIATED WITH PALACE COURT. ROOT PROTECTION AREA TO BE AVOID.
3	AIR QUALITY	THE SCHEME IS WITHIN LAMBETH AIR QUALITY MANAGEMENT AREA (AQMA).
4	GROUND WATER SOURCE PROTECTION	THE SITE IS WITHIN A ZONE II (OUTER PROTECTION) GROUNDWATER SOURCE PROTECTION ZONE.
5	SURFACE WATER FLOOD RISK	THE SCHEME HAS BEEN IDENTIFIED AS BEING AT A MEDIUM TO LOW FLOOD RISK TO SURFACE WATER FLOODING.

NOTE: FOR FURTHER DETAILS, REFER TO PROJECT SPECIFIC EMP (K118.02-JV-ZNORWD10-200-RP-EN-1116).

DESIGN HAZARD INFORMATION HIGH RISK

HAZARD SYMBOL	DESCRIPTION	NOTE
1	HIGH VOLTAGE CABLE	HV CABLE PRESENT ALONG PALACE ROAD NEAR PROPOSED WORKS. CROSSING AT COBURG CRESCENT AND HILLSIDE ROAD JUNCTION.

NOTE: FOR FURTHER DETAILS, REFER TO PROJECT SPECIFIC HSI-12 DRA DOCUMENT (K118.02-JV-ZNORWD10-200-RP-CE-1114).

40 20 0 40 m

SCALE: 1:500