

Application to Connect to a Public Sewer (Sec 106 Water Industry Act 1991)



A. Applicant details (on whose behalf work is to be carried out):

Name: KSD GROUP LIMITED Contact name: MR M. McMAHON
(company name if appropriate) (if different)

Address: AMC HERNE BAY LIMITED, THE GRANGE, MARKET SQUARE
WESTERHAM Postcode: TN16 1HB

Contact details:

Daytime 'phone number: _____ Mobile: 07751 062965

Fax no: _____ Email: _____

B. Contractor/consultant details:

Name: TRIDAX LIMITED Contact name: MR. S. CARR
(company name if appropriate) (if different)

Address: SUITE 3, HONEYWOOD HOUSE, HONEYWOOD ROAD, WHITEFIELD
DOVER, KENT Postcode: CT16 3EH

Contact details:

Daytime 'phone number: 01304 820777 Mobile: 07926 601551

Fax no: _____ Email: steve@tridax.co.uk

C. Site details:

Site/project name and location: 32/34 HIGH STREET, HERNE BAY

Building regulations reference number: _____

Site address: 32/34 HIGH STREET, HERNE BAY, KENT
 Postcode: CT6 5LH

If existing building, state method of drainage: BOTH FOUL & SURFACE WATER DISCHARGE
TO THE PUBLIC FOUL/COMBINED SEWER

Number of properties: 8 Type of properties: FLATS (6 ONE BED, 2 TWO BED)

Is there an existing water supply to the property? Yes No

If NO, is it intended to connect to a water supply/ who will do it?: _____

Is this a new build? Yes No

D. Details of the public sewer to which you propose to connect:

Please indicate type of sewer: Foul Surface water Combined

Diameter and material of construction: 600 AT PUBLIC SEWER Approximate depth: 4m (AT PUBLIC SEWER)

Location (road, verge, garden etc): REAR GARDEN ISO Ø VC

E. Details of sewer and drains upstream of connection:

Is it intended that the sewers/lateral drains associated with this development are to be offered for adoption under **Section 104** of the Water Industry Act 1991?

Yes

No

Where sewers are to be offered for adoption under Section 104 they should be constructed in accordance with the provisions of the current edition of *Sewers for Adoption – a design and construction guide for developers*

You should **not** infer that any approval for your mode of connection to the public sewerage system given under Section 106 of the Water Industry Act 1991 constitutes an approval for your site drainage proposals as a whole.

F. Details of proposed connection:

Connection Type (tick as appropriate) Splay cut pipe Oblique junction New manhole Existing lateral
 External backdrop Oblique saddle Existing manhole Existing private sewer ^{OR}

NB. No saddle connections will be permitted to pipes of 225mm (9") or less in diameter. No plastic pipework will be permitted in manholes

Diameter 100 Ø and material uPVC of connecting pipework

Is surface water drainage to be connected? Yes No

If YES, state the Impermeable area _____ square metres Existing 345 Proposed 220

Is connection to be pumped? Yes No

If YES, state MAXIMUM rate of discharge _____ l/s

Expected date of connection to public sewer ASAP

G. Terms and conditions:

If the application has been made by the client/agent and not the contractor who will be undertaking the work, the client/agent is obliged to ensure that the contractor is familiar with the terms of approval and in particular the requirement to give reasonable notice of the intention to commence work on site

H. Checklist and declaration:

Please ensure that you have included the following items with this application:

This application form should include **two copies** of the following plans:

Site location plan at 1:1250 (or larger)

Two copies of the drainage layout plan at 1:100 (or larger), showing location of sewers and manholes on site and up to the connection point

Correct fee (cheque made payable to **Southern Water Services Ltd**)

Failure to complete this application in full and provide relevant information will result in the application being returned and/or refused. By signing this application you are not automatically granted permission to connect.

Under no circumstances must any person enter the public sewerage system without the express permission of Southern Water.

I confirm to the best of my knowledge the information I have supplied is complete and correct

Signature: [Signature]

Full name: STEPHEN CLARK

(BLOCK CAPITALS)

Date: 31 MARCH 2017

Position: DIRECTOR (TRIDAX LTD)

I. Important Health and Safety Notice – ASBESTOS CEMENT PIPES

There are some areas in the Southern Water region where asbestos cement pipes and fibre reinforced pipes have been installed as part of the public sewerage system. There are also concrete pipes, which contain up to 10 per cent asbestos fibre.

Unfortunately it is not always possible to identify these pipes prior to commencing work on site.

If you are proposing to carry out works on a public sewer which is made of such material or if during the course of your works you discover that the sewer to which you are proposing to connect is made of such material(s), you must ensure that:

- The person and/or contractor carrying out the works are competent to do so and all staff adequately trained in working with such material(s).
- A safe system of working is put in place and operated for the entire duration of the work.
- Disposal of any pipework/affected material is carried out in accordance with current legislation and codes of practice.

Your attention is drawn to:

- The Control of Asbestos at Work Regulations 1987
- The Control of Asbestos at Work (Amendment) Regulations 1992
- All other legislation relating to health and safety at work

I have read and understood the information relating to asbestos and will pass the information on to the persons/contractor carrying out the work

Signature: [Signature] Full name: STEPHEN CARR
(BLOCK CAPITALS)

Date: 31 MARCH 2017 Position: TRIDAX LTD (DIRECTOR)

Note: Information contained on the map of sewers is provided as a guide to the approximate position, size and construction of existing public sewers. The accuracy of this information can not be guaranteed.

J. Connection to the Public Sewerage System – PAYMENT SLIP

Name: TRIDAX LTD Contact name: MR S. CARR
(company name if appropriate) (if different)

Address: SUITE 3, HONEYWOOD HOUSE, HONEYWOOD ROAD,
WHITFIELD, DOVER, KENT Postcode: CT16 3EH

Connection type	Number of connections	Unit price (inc. 20% VAT)	Total cost
New manhole		£355.00 (inc. 20% VAT)	
Any other type of connection as listed in section F	<u>1</u>	£277.00 (inc. 20% VAT)	<u>277-00</u>
Do you require a VAT receipt? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			<u>£277-00</u>

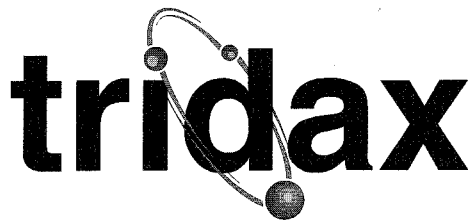
In addition to the above a charge for sewerage infrastructure is levied on each dwelling connecting onto the sewerage system. Non domestic properties will be individually assessed according to the number of appliances/fittings producing wastewater. Infrastructure charges are applicable even if the connection is made via a private sewer providing that the private sewer ultimately discharges into the public system. For further information please refer to Southern Water's website at:
http://www.southernwater.co.uk/pdf/for-home/your-water/water_sewerage_infrastructure_chgs.pdf

By completing and signing this application form you are agreeing to and accepting the responsibility to pay the relevant infrastructure charge when invoiced.

Cheques should be crossed and made payable to Southern Water Services Ltd

Please send your completed submission to:

Developer Services, Southern Water, Southern House, Sparrowgrove, Otterbourne, Hampshire, SO21 2SW



Developer Services
Southern Water Services Ltd
Southern House
Otterbourne
Hampshire
SO21 2SW

Date: 31st March 2017
Our Ref: EMC-2015-040

Dear Sirs

**Demolition of 32 & 34 High Street, Herne Bay and replacement with 8 Apartments
Section 106 Water Industry Act ~ Sewer Connection**

Please find enclosed our completed applications for the above development consisting of the following;

- A cheque for £277 to cover the administration fee for the foul water connection
- Completed application form
- 2No copies of Tridax drawings EMC-2015-040-01- Site Location Plan, EMC-2015-040-02- Drainage Layout Plan, EMC-2015-040-03- Drainage Details & EMC-2015-040- Topographical Survey Details.
- 2No copies of Architects drawings 374/01 -/13
- A copy of Planning Consents CA/15/02579/VAR and 16/01605
- An extract of the sewer records around the site.

The existing property was a commercial property (factory) which employed approx 30 people and generated a peak flow of 1.7/s Refer to the Appendix A. The proposed replacement development is for 8 apartments made up of 6One bed flats and 2Two bed flats which will generate flows of 0.37l/s which is calculated in accordance with 'Sewers for adoption – 7th Edition'

Surface Water runoff from the original property combined with foul flows and discharged into the Existing manhole Ex1 located at the rear of the property. New drainage will also be combined but is proposed to discharge into the adjacent properties (36 High Street) private manhole as shown on drawing EMC-2015-040-02.

The footprint (Impermeable Area) of the original building was 345m² and as mentioned above discharged into manhole EX1. The new development reduces the impermeable areas by 125m² (36%) to only 220m² therefore significantly reducing the quantity of surface water entering the public system.



We trust the above enclosed meets with your approval, should you require any further assistance please do not hesitate to contact us.

Yours Sincerely
Steve Carr
Enc

- 1.1 32/34 High Street had a conservative existing **peak** discharge in order of 1.7 litres/second could be expected ($Q=(0.7)kDU\sqrt{(\Sigma DU)}$).

Peak Flow Rates
 to BS EN 752: Part 4

kDU

frequency factor (0.7 for dwellings)

	Sanitary Appliance	No of Features	DU	ΣDU
Existing	WC's	3	1.20	3.6
	Washbasin	3	0.30	0.9
	Urinals	2	0.30	0.6
	Kitchen Sink	1	0.80	0.8
				5.97

$$(Q=(0.7)kDU\sqrt{(\Sigma DU)})$$

$$Q= 1.7 \text{ l/s}$$

- 1.2 Calculated in accordance with BS EN 752: Part 4 the existing peak discharge to the foul water sewer is assumed to be **1.7litres/second**.
- 1.3 The design flow from the existing development using 'British Water Flows & Loads 4' is calculated as **0.06 litres/second** as below;

Based on 60l/head/day

Considering 30persons per day.

$$60 \times 30 = 0.02\text{l/s}$$

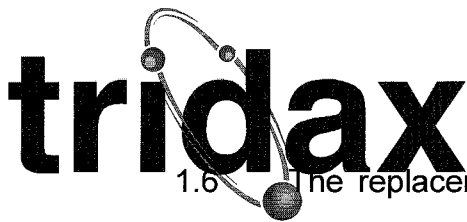
$$24 \times 60 \times 60$$

Proposed Foul Discharge

- 1.4 The new development will consist of two 2bed apartments and six 1bed apartments
- 1.5 The design flow from the proposed development using 'sewers for adoption' 7th Edition is calculated as 0.376 litres/second as below;

$$DWF = \frac{4,000 \text{ litres/dwelling/day} \times 8 \text{ No Dwellings}}{24 \text{ hours}} = 0.37 \text{ l/s}$$

24hours



1.6 The replacement development will result in an **increase** of the foul flow being generated and discharged to the public foul drainage of **0.35 litres/second (0.37l/s – 0.02l/s)**.

Existing Surface Water Discharge

2.1 The existing impermeable area = 345m² (0.0345ha)

Rainfall rate 50mm/hr

$$\underline{50 \times 0.0345} = 4.79\text{l/s}$$

0.36

Proposed Surface Water Discharge

2.2 The new development reduces impermeable area to 220m² (0.022ha)

$$\underline{50 \times 0.022} = 3.06\text{l/s}$$

0.36

2.3 **The proposed development reduces surface water runoff by 1.73l/s (4.79 – 3.06)**

