

VIRTUAL TALK VIA ‘ZOOM PLATFORM’ ON “CHALLENGES IN DESIGN AND INSTALLATION OF RESIDENTIAL SANITARY PIPES DISCHARGE TO THE FRONT OF THE HOUSE”

Monday | 06 September 2021 | 5.00 p.m. – 7.00 p.m.

Organised by Building Services Technical Division (BSTD)

SYNOPSIS

Often the back lane of landed residential houses where the main sewerage pipe and manholes are located can be fenced off for security reason hence it is not accessible for maintenance and repair of leaking underground pipes. This can impact the sanitary system and creates a health issue emitting foul smell to the surrounding areas.

There are local authority guidelines and SPAN Technical Sewerage Systems that stipulate the width of the back lane and yet the width has been reduced in new residential housing development.

In this respect in new townships this issue has been resolved with the relocation of the main sewerage line to the **FRONT** of the houses. This change now requires Engineers to review their design of the internal sanitary pipes to consider the routing, gradient and distance from backend to discharge at the front of the house where the main sewerage will be located.

The main concern would be to remove blockages of the internal sanitary pipes which are buried underground. There is a need to review existing design on the location of Inspection Chamber and cleaning eyes strategically installed to carry out rodding to clear the blockages. Top access floor trap can be transformed into an **EFFECTIVE CLEANING EYE** when the water seal is removed from the it.

The 2 distinguished speakers will provide both conceptual and **PRACTICAL** solutions obtained from their hands-on experience to meet the new requirements of the current design.

As all internal sanitary plans are submitted to the authority for records only the liability still under the PEPC submitting person.

Ir. Leong Hon Wah received his Degree in Mechanical Engineering from Tri-State University (USA) in 1997, registered with BEM as a PEPC and a Committee Member of Building Services Technical Division of IEM. He worked as a contractor specialized in internal plumbing and sanitary systems. He is an Associate of Keemfat Sanitary & Plumbing Sdn Bhd a family business started by his late father. He had completed many types of project like residential houses, highrise apartments, shops, offices, hotel and shopping complexes.

**SPEAKER 2**

Ir. Gary Lim Eng Hwa received his Degree in Mechanical Engineering from University of Canterbury, New Zealand in 1978. He is a Fellow member of IEM and was the past Chairman of BSTD of IEM and currently he conducts design courses in the area of firefighting, internal plumbing and sanitary systems. He too conduct courses on Safety and Health topics which he had both the practical experience having spent over 20 years in the manufacturing industries before his retirement.

Registration Fees (effective 1st August 2020)

IEM Members : RM 15.00 | IEM Non Members : RM 70.00

CPD Hours : 2.0 CPD Ref No : IEM21/HQ/294/T(w)

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