

APPENDIX 2

Standard Requirements on Support of Utility Services
For Reference in Audit Inspection of Highways
 (Version 7 dated 15/2/2007)

UU	Type of Services	Maximum Separation of Supports
CLP Power Hong Kong Ltd. (CLP) Hong Kong Tramways Ltd. (HKTL) The Hongkong Electric Co., Ltd. (HEC)	33kV and below power cables (with or without duct)	Maximum 1 metre interval.
	132kV and above power cables (with or without duct), cable joint and/or concrete cable slab protection covers.	Not allowed to be exposed/supported without prior approval of CLP/HEC. (The standard support of maximum 1 metre interval cannot be applied.)
	Communication or pilot cables (with or without duct)	Maximum 1 metre interval.
	Power overhead line tower/pole, stay and tramway overhead line pole	Not allowed without prior approval of CLP/HEC/HKTL.
	Tram track	Not allowed without prior approval of HKTL.
	Other installations (such as distribution/transformer pillar, manhole, underground pit, gas pipe, ash duct (PFA) and joint bay concrete structure)	Not allowed without prior approval of CLP/HEC/HKTL.
Highways Department/Street Lighting (HyD/St Lgt)	Public street lighting cables (with or without duct)	Maximum 2 metres interval.

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	Other installation (such as lighting column, public lighting controller)	Not allowed without prior approval of HyD/St Lgt.
The Hong Kong and China Gas Co., Ltd. (HKCG)	Ductile iron pipe and galvanized iron pipe	Maximum 2.2 metres interval.
	Polyethylene (PE) pipe	Maximum 1 metre interval for pipes less than 250mm in diameter. Maximum 2 metres interval for pipes of 250mm or above in diameter.
	Steel pipe	Minimum 1 support for exposed pipeline less than 2 metres in length, otherwise at least 2 supports at maximum 8m interval.

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Water Supplies Department (WSD)	Mild steel pipe	Support at every joint and at maximum 2 metres interval.
	DI pipe	Support at every joint and at maximum 2 metres interval.
	GI pipe/Lined GI pipe	Support at every joint and at maximum 2 metres interval.
	CI pipe	Support at every joint and at maximum 1 metre interval.
	Asbestos cement pipe	Support at every joint and at maximum 1 metre interval.
	PE pipe	Support at every joint and at maximum 1 metre interval.
	UPVC pipe	Support at every joint and at maximum 1 metre interval.
	Cables	Support at maximum 1 metre interval.
	Valves	Should not be disturbed or exposed without providing proper support and WSD's prior agreement.
	Valve chambers	
	Thrust blocks	
	Cable joint boxes	

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Hong Kong Broadband Networks Ltd. (HKBN) Hong Kong Cable Television Ltd. (HKC) Hutchison Global Communications Ltd. (HGC) New World Telecommunications Ltd. (NWT) PCCW Ltd. (PCCW) Towngas Telecom (TGT) Wharf T&T Ltd. (WTT)	Telecom optical fibre cables with ducts	Maximum 1.5 metre interval except for PCCW. (For PCCW's optical fibre cables with ducts, prior approval by PCCW is required.)
	Telecom copper cables with ducts	Maximum 1.5 metre interval.
	Telecom cables without ducts	Maximum 1.5 metre interval.
	Telecom cable joint	Not allowed without prior approval of HKBN/HKC/HGC/NWT/PCCW/TGT/WTT.
	Telecom joint chamber (underground pit)	Not allowed without prior approval of HKBN/HKC/HGC/NWT/PCCW/TGT/WTT.
Drainage Services Department (DSD) Highways Department/Urban (HyD/U)	Drainage pipes	Support at every joint and at maximum 1.5 metre interval.
	Drainage manholes	Not allowed without prior approval of DSD/ HyD/U.

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