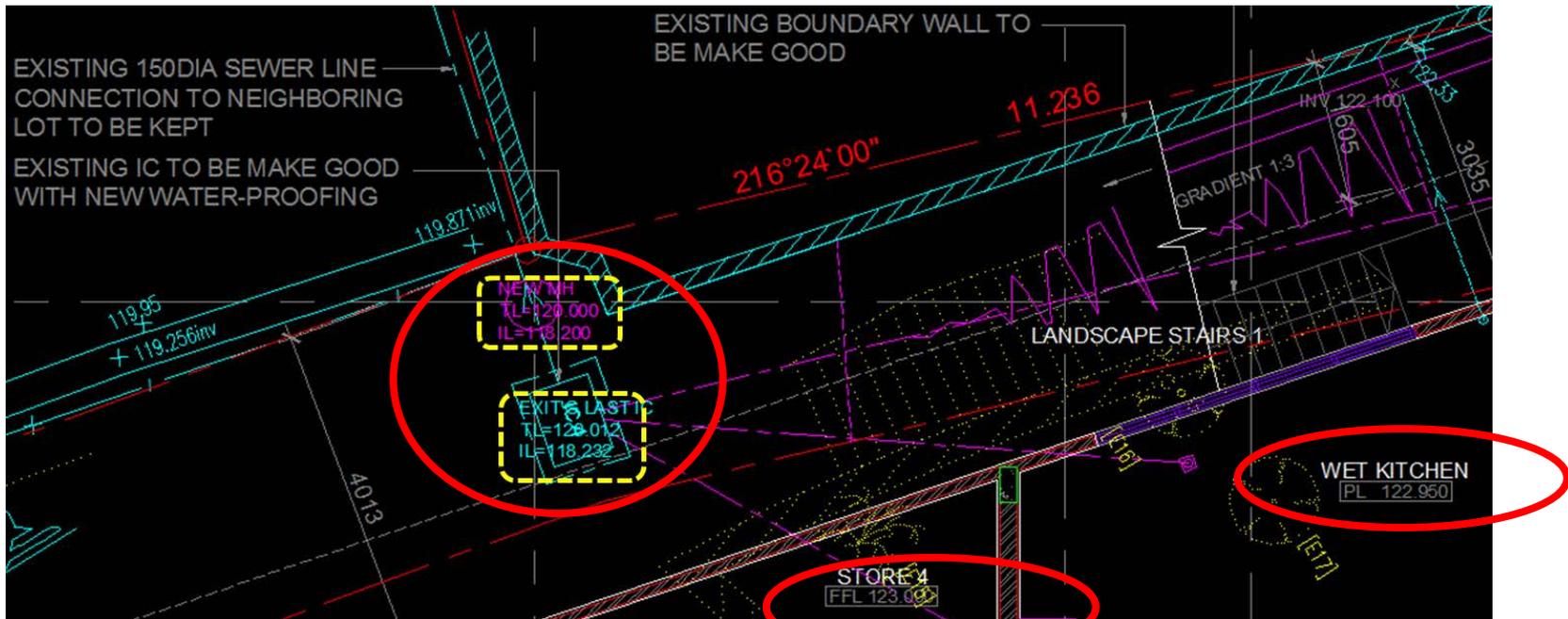


# **Quick Guide to Sewerage Development Control (DC) Submission - Minor Project**

# TOP/INVERT LEVELS

- You have to indicate clearly the Top / Invert Levels of Manhole (MH) / Inspection Chamber (IC) in your drawings.
- The finish floor level of the development and the levels of the sanitary appliances, floor traps and inspection chambers (usually on the compound) shall be constructed suitably higher than the top level of the manhole to which the sanitary drainline is connected. This is done to avoid used water overflow from the inspection chamber, floor traps and other sanitary appliances into the development lot.





The Top level of MH and IC must be shown clearly on plan

The floor level of the development and the levels of the sanitary appliances, floor traps and inspection chambers should be constructed at levels higher than the manhole to which it is connect to.

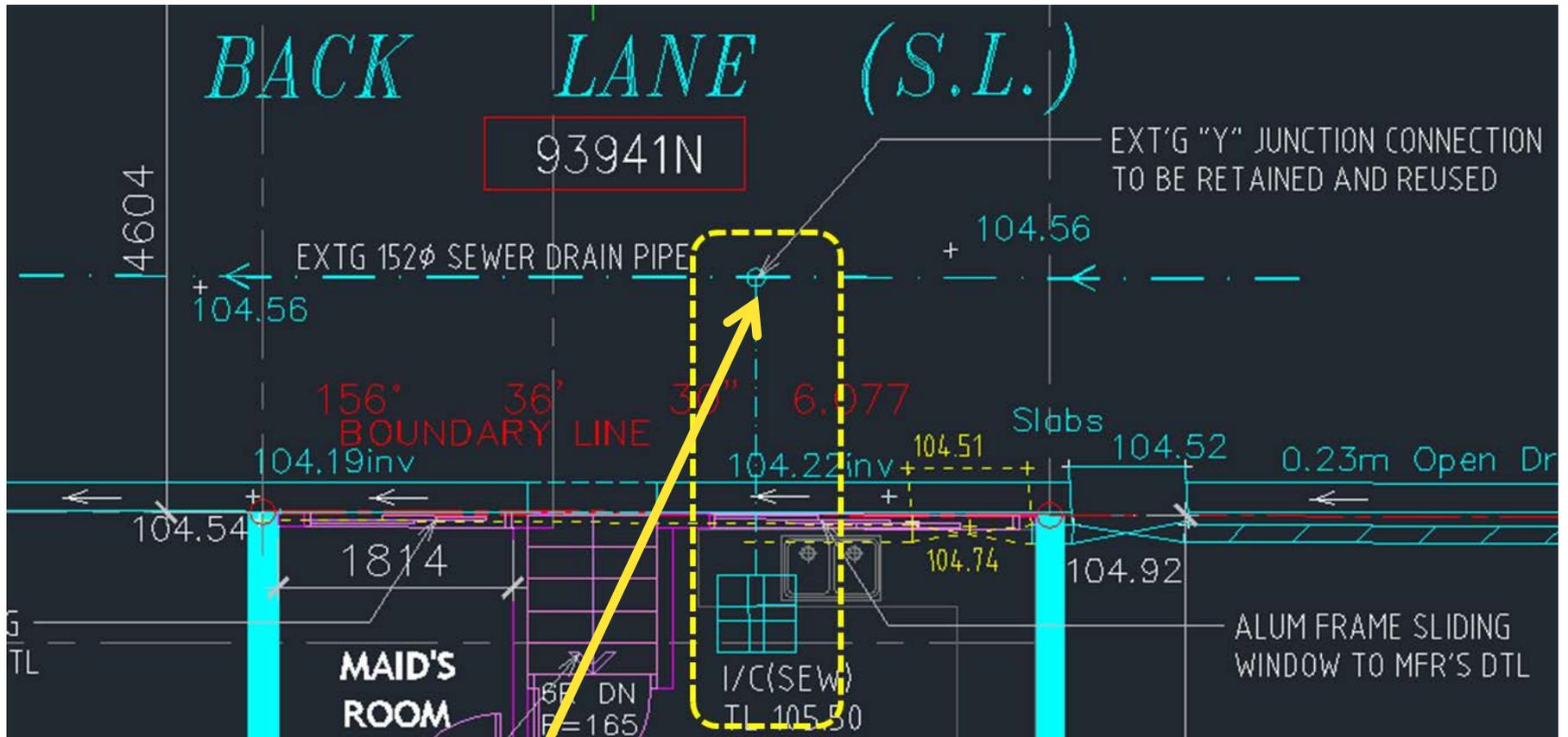
# SEWER CONNECTION

- You should indicate clearly the existing / proposed point of sewer connection that serve the proposed development site clearly in the DC plan

## Important Reminders

- For sewerage works beyond the development lot(s), you shall be responsible to seek consent from all relevant authorities/affected land owners for all proposed sewerage works to be carried out beyond the development site(s).
- If you are connecting to an existing sewer connection to serve the development, you will be required to submit the CCTV inspection report & video (DVD) of the existing sewer connection and carry out water tightness test to the existing sewer connection upon completion of works. This is to show that the connection is in a serviceable condition and without leak





The point of sewer connection that serve the development must be shown clearly

# SETBACK

- All developments should comply with the minimum setback distance between any buildings / structure and the sewer, as specified in clause 1.2.3 of Code of Practice on Sewerage and Sanitary Works



(a) All buildings and structures shall be built at the following minimum lateral distances away from sewers:

Sewer Size (mm diameter)	Sewer Depth (m)	Minimum Distance (m)
150 to 600	≤ 3m	1.0
	< 3 and ≤ 5m	1.5
	➤ 5m	2.0
> 600 to 1500	-	2.5m from outer edge of any structure to centerline of sewer pipe
> 1500 to 2500	-	3.0m from outer edge of any structure to outer edge of sewer bedding
> 2500	-	4.0m from outer edge of any structure to outer edge of sewer bedding
DTSS Tunnel & Facilities	-	6.0m from outer edge of any structure to outer edge of tunnel or structure

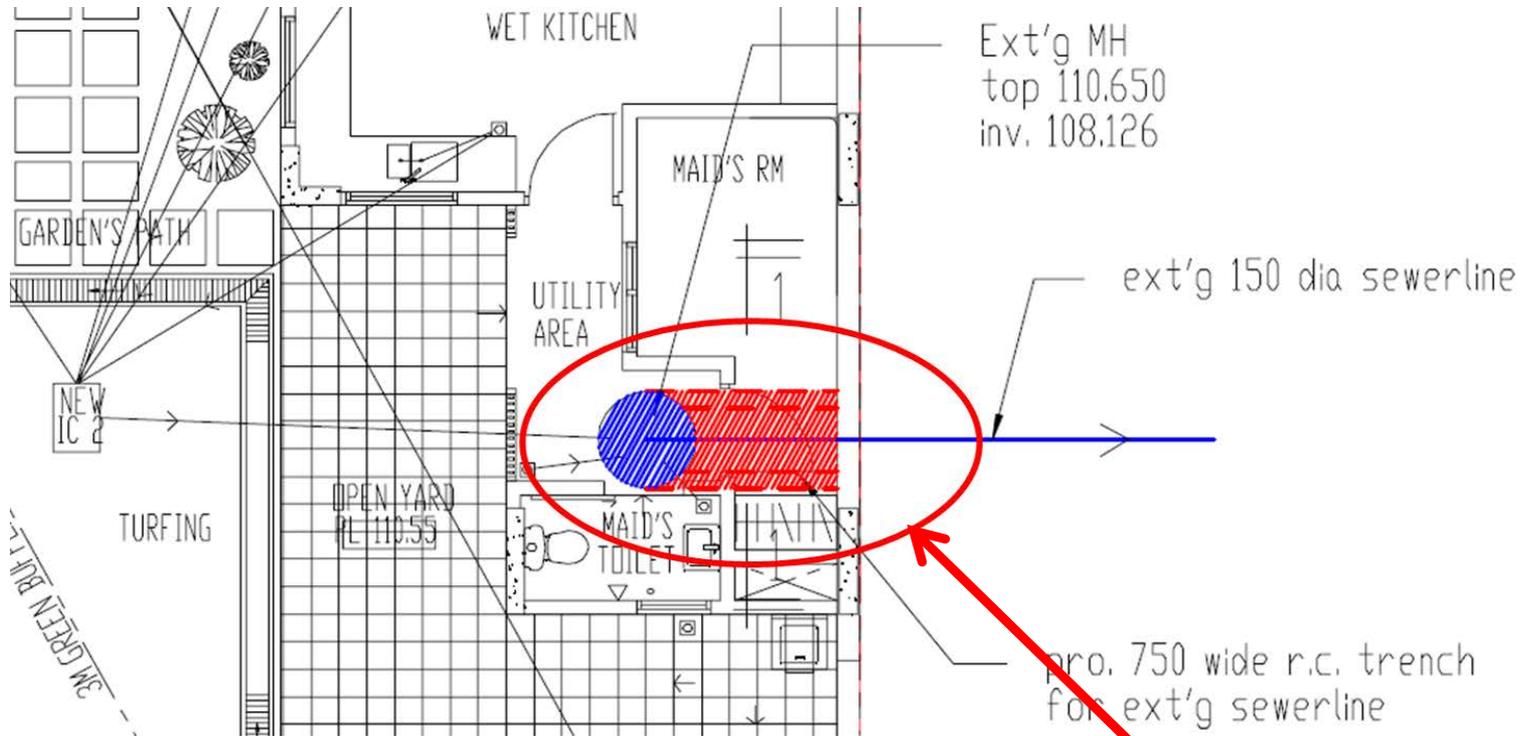
(b) All buildings and structures shall be built at the following minimum lateral distances away from pumping mains:

Pumping Main Size (mm diameter)	Pumping Main Depth (m)	Minimum Distance (m)
150 to 600	≤ 3m	1.0
	< 3 and ≤ 5m	1.5
	➤ 5m	2.0
> 600 to 1500	-	2.5m from outer edge of any structure to outer edge of the pipe
>1500	-	3.0m from outer edge of any structure to outer edge of the pipe

## **STRUCTURE ON TOP OF RC TRENCH**

- It is essential that the sewers shall remain readily accessible at all times so that any maintenance works to the sewers can be carried out expeditiously. For this, no building or structure shall be allowed to be erected over and across any sewers.
- You should ensure no permanent structure (e.g. kitchen cabinet) is to be erected / installed over the RC trench to ensure readily access when maintenance is needed.





**No building or structure shall be allowed to be erected over and across any sewers**

- Exemption to this requirement shall only be applicable to structures that do not form an integral part of the building and which are light and easily removable, such as awnings, planting troughs, covered linkways, compound drains etc
- QP should shall clarify if proposed structure/covered linkway/timber deck/ etc is to be made demountable. Please indicate clearly in the plan.
- QP's and Owner's endorsements in the DC / BP / As-built plan are required:



## QP's endorsement:

I,       Name       (QP for the development) hereby confirm that the clearance between existing sewer and removable/demountable structure is unable to meet the minimum required sewer setback which is absolutely unavoidable. It will be designed and constructed such that it is easily removable to facilitate the maintenance, repair or other works on the sewer. To achieve this purpose, the removable/demountable structure is expected to have the following features: It shall not form an integral part of the building; It shall not have ground beams or structural floor slabs or deep footings etc encroaching on the sewer setback; It shall be light; and The removal of the structure shall not involve extensive demolition works (eg breaking/cutting of any concrete or steel members/parts) The detailed plan of the removable/demountable structure and a method statement for the removal of the removable/demountable structure will be submitted together with my Certificate of Completion and Inspection of Sanitary, Sewerage and Drainage Works under PUB-BPU-COMPOFWORK submission for approval upon completion of works.



## Owner's endorsement:

I,           Name           (the owner of the development) hereby undertake to remove/reinstate the removable/demountable structure at my own cost should PUB finds this necessary to facilitate the maintenance, repair or other works on the sewer. I shall undertake to inform the new owner of this requirement and the responsibility should there be a change of the ownership of the property.





Water for All: Conserve, Value, Enjoy

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