



**Quick Guide to Application for
Clearance for Drainage Works for
issuance of Certificate of Statutory
Completion (CSC) – Minor Project**

DOCUMENTS TO BE SUBMITTED FOR CSC

- All "As-built" or "As-constructed" drawings endorsed by the relevant QPs
- Cover letter stating intention of submission i.e. CSC Application for CSC Drainage. Do include declaration(s) or additional information in the cover letter (if needed)
- Certificate of Inspection for Drainage Works (PUB-DD-CSIDRA) form for CSC processing. Form obtainable from Corenet
- Detailed Plan (DP) Clearance(i) Reminder - You should not apply for CSC if there is no DP Clearance Letter



CSC FOR INTERNAL WORKS

- Please indicate "As-built drawings", endorsed by Architect, on the plans
- The alignment, type, size, flow direction, invert level, summit point and outlet discharge points of existing / proposed internal drains shall be clearly indicated on all plans
- Vertical grating shall be provided at outlet discharge points of internal drain within proposed site. All rainwater downpipes (RWDP) types, sizes, flow and connections from roof to internal drain shall also be clearly indicated on all plans (if any)

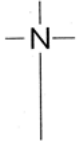


CSC FOR EXTERNAL WORKS

- As-built Engineering Drawing(s)/Plan(s) are to be endorsed by Professional Engineer
- As-built photos of the culvert/closed drain should show clearly the entire length of the external drainage works [both external & internal view of the drain]
 - i. Internal view of the drain are needed to make sure there are no services, manholes or other services structures laid within a drain or Drainage Reserve
 - ii. Where there is no Drainage Reserve, services, service manholes or other services structures shall be located at a minimum distance of 300 mm from the drainage structures
- As-built survey plan to be attached [if available, it should be endorsed by registered surveyor]

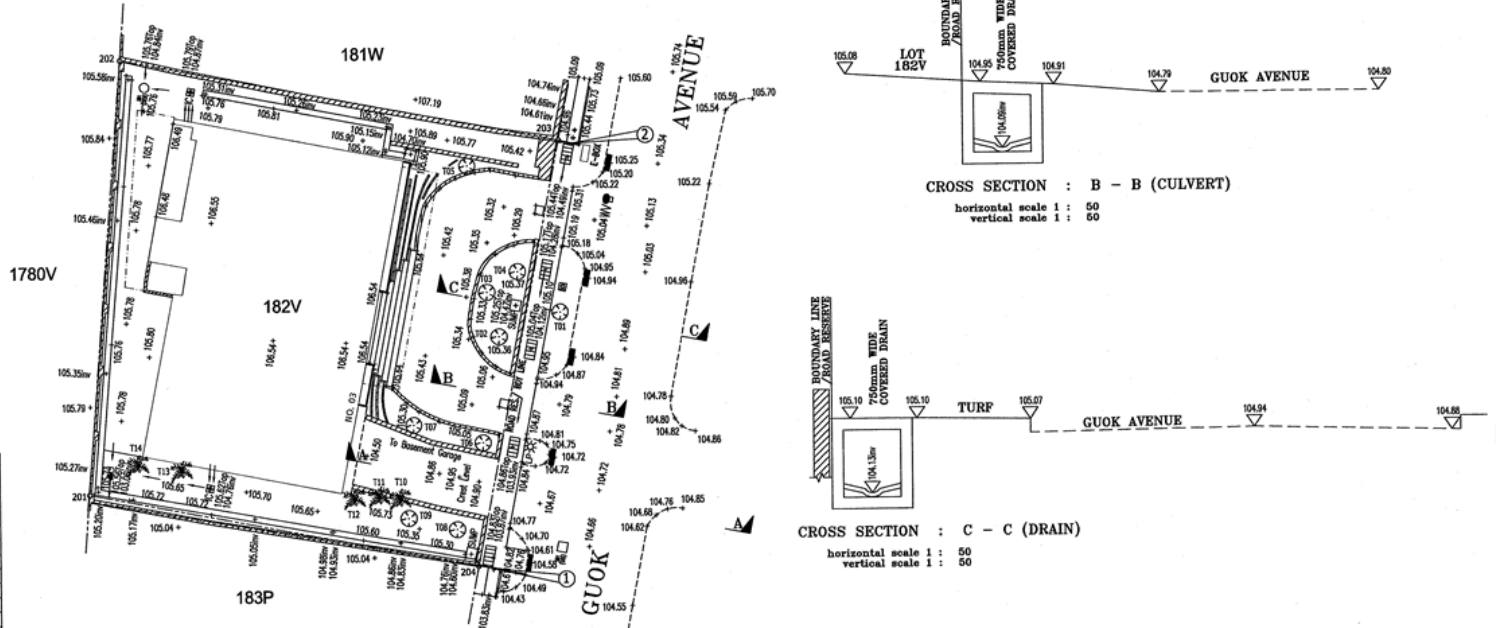


Sample - As Built Survey Plan



SVY21 COORDINATES		
STATION NO.	NORTHING	EASTING
201	30423.476	21255.532
202	30446.138	21257.307
203	30441.759	21280.166
204	30419.557	21275.839

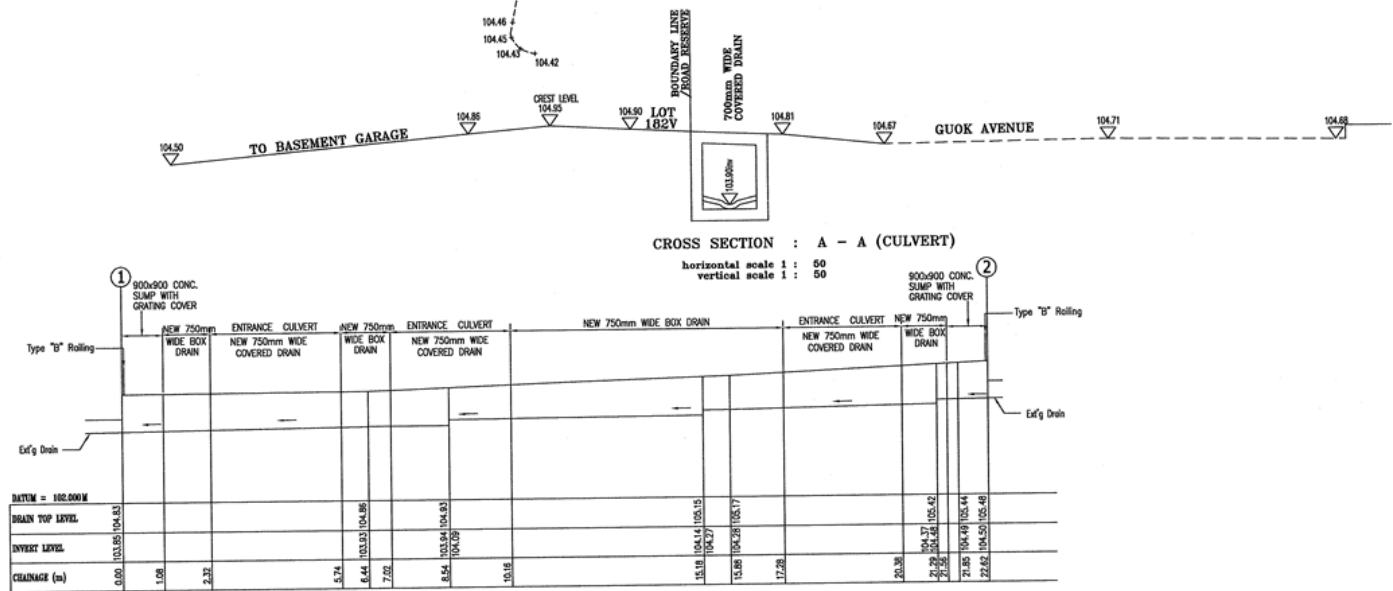
TREE TABULATION			
Reference	Tree Name	Girth(m)	Height(m)
T01	Casodipia Ferno	0.34	6.00
T02	Casodipia Ferno	0.36	7.00
T03	Casodipia Ferno	0.55	7.50
T04	Casodipia Ferno	0.32	6.00
T05	Casodipia Ferno	0.28	4.80
T06	Casodipia Ferno	0.30	4.50
T07	Casodipia Ferno	0.28	5.00
T08	Casodipia Ferno	0.35	5.00
T09	Casodipia Ferno	0.34	4.80
T10	Red Lip Palm	0.86	1.50
T11	Red Lip Palm	1.23	2.80
T12	Red Lip Palm	1.00	1.50
T13	Red Lip Palm	1.00	1.50
T14	Red Lip Palm	1.00	2.20



CROSS SECTION : B - B (CULVERT)
horizontal scale 1 : 50
vertical scale 1 : 50

CROSS SECTION : C - C (DRAIN)
horizontal scale 1 : 50
vertical scale 1 : 50

CROSS SECTION : A - A (CULVERT)
horizontal scale 1 : 50
vertical scale 1 : 50



LONGITUDINAL SECTION : 1 - 2
horizontal scale 1 : 100

Photos of Internal and External Views of Drains



Entire Length (internal and external) of the external drainage works must be shown clearly

CSC FOR EXTERNAL WORKS

If piling works were done at the entrance culvert/box drain [as indicated in DC/DP drawing plans], please provide the details of piling works, which shall include the extent of piling, sizes, types, lengths and spacing of piles provided for drains including entrance culverts and closed drain

However, If piling is not carried out as indicated in DC/DP drawing plans, please state the reason(s) [endorsed by the relevant PE]



THINGS TO NOTE

- A survey plan shall be submitted if a development or structure is constructed within less than 300mm from a Drainage Reserve. The survey plan shall consist of a site plan and cross-sections showing the development or structure and lot boundary in relation to the Drainage Reserve. The survey plan shall be prepared and endorsed by a Registered Surveyor



THINGS TO NOTE

Removal of service structure within the new culvert / boxed drain

- a) As specified in clause 5.5.2 of Code of Practice on Surface Water Drainage, where services are approved to be laid within a drain or Drainage Reserve, the services shall be laid to undercross the drain throughout the full width of the drain with a 1.0 m minimum clearance below the invert of the existing or proposed lined drain

- b) As specified in clause 5.5.4 of Code of Practice on Surface Water Drainage, where new drains are to be constructed or existing drains are to be reconstructed, all existing services within or across the drains shall be re-laid at the cost of the developer / owner to undercross the new or reconstructed drains



REMINDER

Please remember to endorse the following certifications on plans before submission

- a) The planning, design, construction activities and procedures for plan submission shall comply fully with the requirements as stipulated in the latest edition of the Code of Practice on Surface Water Drainage and the Sewerage and Drainage (Surface Water Drainage) Regulations 2007
- b) The capacity of internal drains shall be sufficient to intercept and discharge all runoff from the development site
- c) The runoff within, upstream of and adjacent to the development lot can be effectively drained away without causing flooding within the lot or in areas outside the lot





Water for All: Conserve, Value, Enjoy

Bought to you by Building Plan Unit, PUB, Singapore's national water agency.