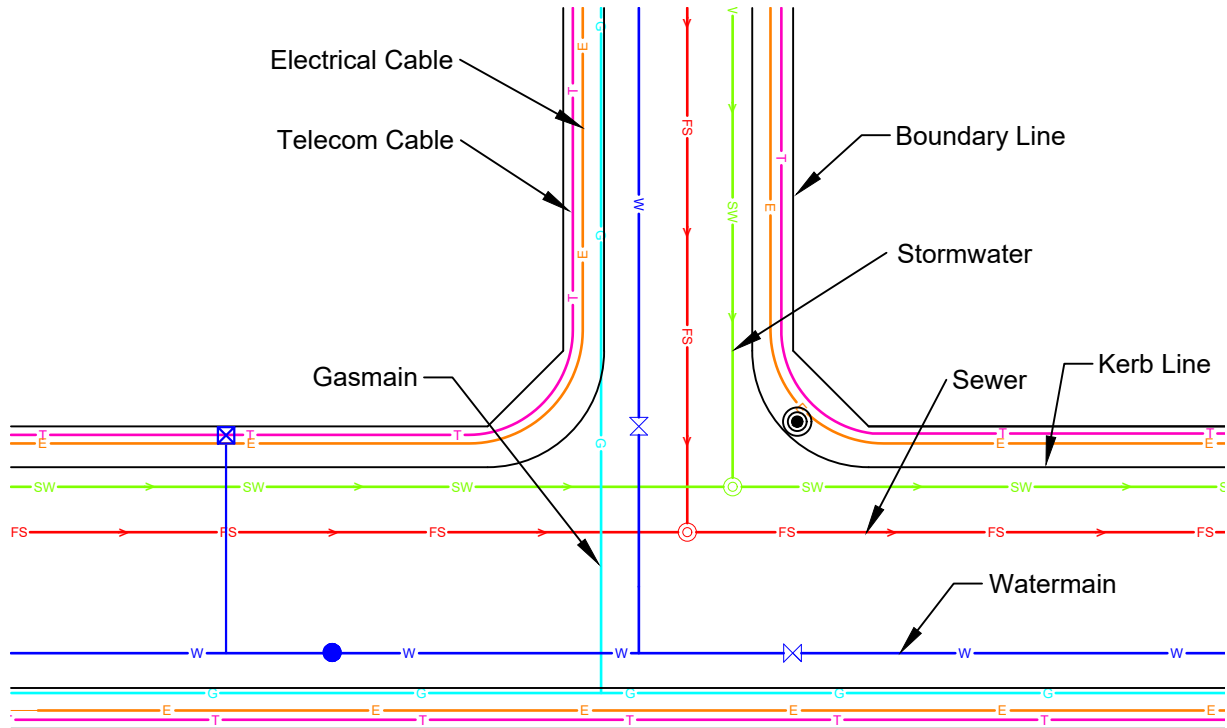




TYPE OF SERVICE	LINETYPE	SYMBOLS
Foul Sewer	FS	Manhole
Foul Sewer (Rising)	FS-R	Cleaning Eye
Foul Sewer (Abandoned)	FS-AB	Pump Station
Stormwater	SW	Manhole
Stormwater (Sealed)	SW-S	Cleaning Eye
Stormwater (Abandoned)	SW-AB	Pump Station
Watermain	W	Hydrant
Watermain (Supply)	W-SU	Valve
Watermain (Abandoned)	W-AB	Scour Valve
Gasmain	G	
Underground Electricity Cable	E	
Overhead Electricity Cables	E-OH	
Underground Telecom Cable	T	
Overhead Telecom Cable	T-OH	
		Standard Stone

Not to **SCALE**

SCHEDULE 1A

DESIGN CERTIFICATE – LAND DEVELOPMENT/SUBDIVISION

ISSUED BY:.....
(Approved certifier firm/suitably qualified design professional)

TO:.....
(Developer/owner)

TO BE SUPPLIED TO:.....
(Territorial authority)

FOR:.....
(Description of land development/subdivision)

AT:.....
.....
(Address)

..... has been engaged by
(Consultant/designer) (Developer/owner)

to provide..... services for the land development and/or subdivision described above.

Ihave the qualifications and experience relevant to this project as set out herein and have designed the land development/subdivision and confirm that the design is to current engineering practice, and that I believe on reasonable grounds that it satisfies all relevant resource consent conditions, all relevant(insert name of authority) requirements and applicable codes and standards.

I / My practice holds professional indemnity insurance to the amount of \$.....and includes run-off cover.

..... Date
(Signature of approved certifier on behalf of the approved certifier firm)

.....
(Name, title, and professional qualifications)

NOTE – This statement shall only be relied upon by the territorial authority named above. Liability under this statement accrues to the approved certifier firm only. The total maximum amount of damages payable arising from this statement and all other statements provided to the territorial authority on this land development/subdivision, whether in contract, tort, or otherwise (including negligence), is limited to the sum of \$..... (insert)

Copyright waived

SCHEDULE 1B

CONTRACTOR'S CERTIFICATE UPON COMPLETION OF LAND
DEVELOPMENT/SUBDIVISION

ISSUED BY:
(Contractor)

TO:
(Principal)

TO BE SUPPLIED TO:
(Territorial authority)

FOR:
(Description of land development/subdivision)

AT:
.....
(Address)

..... has contracted to
(Contractor) (Principal)

to carry out and complete certain land development and/or subdivision construction in accordance with
a contract, titled Contract No. for ('the contract').

I a duly authorised representative of
(Duly authorised agent) (Contractor)

hereby certify that has carried out and completed
(Contractor)

the construction, other than those outstanding works listed below, in accordance with the contract and in
accordance with approved engineering drawings and specifications.

..... Date

(Signature of authorised agent on behalf of)

.....
(Contractor)

.....
(Address)

Outstanding works

.....
.....
.....

Copyright waived

SCHEDULE 1C

CERTIFICATION UPON COMPLETION OF LAND DEVELOPMENT/SUBDIVISION

ISSUED BY:.....
(Approved certifier firm)

TO:.....
(Developer/owner)

TO BE SUPPLIED TO:.....
(Territorial authority)

FOR:.....
(Description of land development/subdivision)

AT:.....
.....
(Address)

..... has been engaged by
(Consultant/designer) (Developer/owner)

to provide construction observation review and certification services for the above subdivision which is described in the specification and shown on the drawings numbered

..... approved by.....
(Territorial authority)

I have sighted the consent and conditions of subdivision
(Territorial authority)

and the approved specification and drawings.

On the basis of periodic reviews of the construction and information supplied by the contractor in the course of the construction, I believe on reasonable grounds that the infrastructure other than those outstanding works listed below, is complete and has been constructed in accordance with:

- (a) The approved engineering drawings and specifications and any approved amendments;
- (b) The Council's Engineering Standards; and
- (c) The manufacturer's instructions

..... Date
(Signature of approved certifier on behalf of the approved certifier firm)

.....
(Name, title, and professional qualifications)

NOTE – This statement shall only be relied upon by the territorial authority named above. Liability under this statement accrues to the approved certifier firm only. The total maximum amount of damages payable arising from this statement and all other statements provided to the territorial authority in relation to this land development/ subdivision, whether in contract, tort, or otherwise (including negligence), is limited to the sum of \$..... (insert).

Outstanding works

.....

Copyright waived

SCHEDULE 1D

AS-BUILT PLANS

Information given on as-built drawings, whether submitted electronically or as paper plans, shall include but shall not be limited to:

- (a) Stormwater and wastewater reticulation – including the coordinated positions of manholes, manhole inverts, inverts of pipes and lid levels, measurements to house connections, and laterals and their length and position. Positions of connections and laterals shall be both coordinated and referenced to adjacent manhole lids and boundary pegs. All levels shall be in terms of datum approved by the TA;
- (b) Stormwater management devices – as-built plans for low impact stormwater management devices and non-reticulated components;
- (c) Flood and secondary flow information, flood water levels and the extent of any overland secondary flows shall be shown where these have been obtained or derived during the design;
- (d) Water reticulation – including the position of mains, location of hydrants, valves, tees, reducers, connections, tobies, water meters, and specials. All features shall be accurately dimensioned, coordinated, and referenced so that they can be accurately relocated in the field;
- (e) Ducts – measurements to ducts installed by the developer for utilities;
- (f) Labelling of pipes and ducts to cover diameter, pipe material and class, year laid, jointing type;
- (g) Road names where available – as approved by the TA;
- (h) Coordinates and levels of all utility surface features to be taken over by the TA, including tobies, and water meters;
- (i) The coordinates of at least two points on each plan in terms of an appropriate geodetic or cadastral datum and the origin of the plan level datum;
- (j) Geotechnical completion report and as-built drawings as detailed in 2.6.1 and 2.6.2 of NZS 4404:2010. As-built surface contours covering all areas of disturbed and cut/fill ground;
- (k) Road construction, including location, structural details, and details of road marking, signals, lighting, and signs, landscape features, seating, and other amenities and features;
- (l) Road pavement and surfacing information;
- (m) Landscape features, seating, and other amenities and features.

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