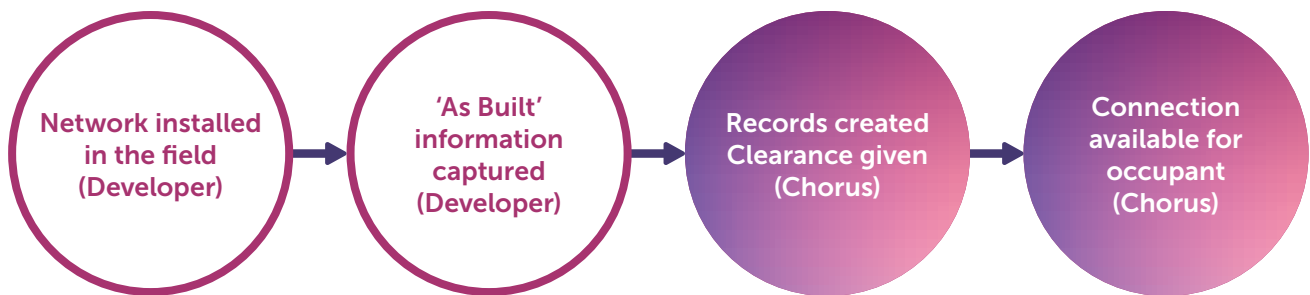


# Chorus 'As Built' Requirements for Property Developments

## What are 'As Built's'?

These are drawings provided by the developer that show the final position of Chorus network infrastructure (cables, ducts, etc) installed within a development boundary e.g. new roads, ROWs.

When the network installation build work is completed for your development, we ask that you please promptly submit accurate 'As Built' information so we can ensure our records are updated faster. This will then make it easier for the new occupant of the dwelling to order a broadband connection with an Internet Service Provider. It'll also make it easier for you to get the Chorus Clearance Letter for your Council 224c.



## What's required to submit 'As Built' information:

- 'As Built' information to be submitted as one of the following – DWG, PDF, JPEG, electronic CAD plan, hardcopy plans and/or GPS information
- All routes, pits (hand holes/manholes) and network assets are recorded, and the type of duct is stated
- Depth, or cover, of the asset and changes in depth are recorded
- Any variations to your original civil design are clearly noted i.e. where lot boundaries and laterals are changed, or lots are added / removed from reticulation
- Changes in the formation of cables/ducts within a route are indicated at that position e.g. count of ducts, change in formation



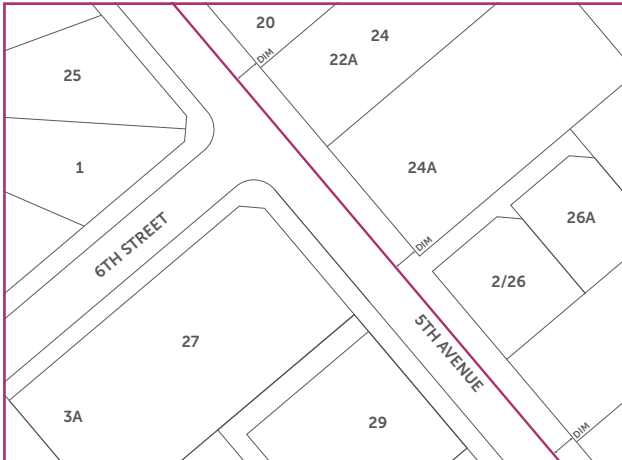
### Example:

Triangular formation transitions to horizontal duct formation

- Description of the equipment location installed inside a building e.g. Terminal in Comms room, Level 2
- Network Points of Interest are:
  - recorded positionally on a plan – these include joints, duct ends, route deviations, or changes in route contents
  - the level of accuracy required is to within 0.1m of actual position
  - have a tie measurement in two directions – as follows.

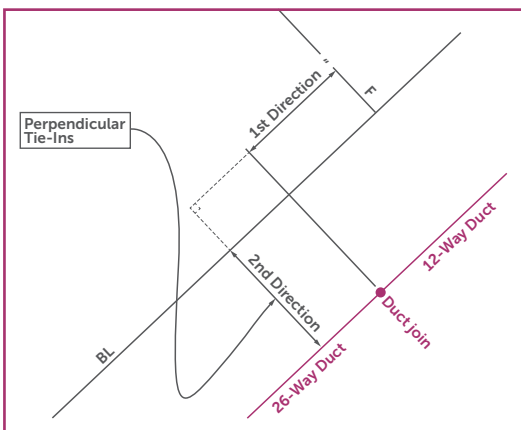
## Additional points on tie measurements:

A tie measurement defines a position in relation to a visible feature. There is a tie measurement for the route outside every second property boundary. This means at least one measurement of the assets position for every second property frontage, example:



The best tie measurements are made to/from physical boundary lines, kerb lines, retaining wall, fence lines, survey peg and other set reference points

- Use a feature that is physical and will be visible to someone on the site in future after reinstatement has occurred
- Measurements for trenches, pits, and chambers are made from the centre of the object
- Measurements should be made either in-line with, or perpendicular/at 90° angle to, a line feature such as side or front boundary lines or kerb lines.



### Example:

Tie measurement in two directions.  
Directions should be perpendicular (90 degrees)

## General:

- A phone number and name of the person who submitted the 'As Built' information should be supplied, in case Chorus needs to make contact
- It is useful to supply site photographs to make clear the position of asset
- If you have any questions or want advice on how to best create the 'As Built' for your site, please contact your assigned service company Field Manager.

# 'As Built' Checklist

Here's a handy checklist to ensure all information is provided for your 'As Built's'.

## General Information:

- Name of submitter

---

- Phone number

---

- Chorus Reference # of the development

---

- Address information of the development

---

- Site photos

---

- Drawings in DWG, PDF, CAD, hardcopy plans and/or GPS information

## Technical Information:

- Description of the installed equipment location

---

- Trenches and ducting

---

- Drawings: 
  - Routes, pits, hand holes
  - Joints and laterals
  - Duct ends and road crossings
  - Formation of ducting e.g. horizontal vs vertical vs triangular
  - Installation depths/cover and variations
  - Measurements for position made in two directions

---

- Network Points of Interest

---

- Variations to original design