

-Project Description-

2Degrees Cell Site Planning and Design

2008 -

Two Degrees Mobile Limited (formally known as NZ Communications) is New Zealand's newest mobile company. They have spent over \$250 million so far constructing a new network to offer better rates to cell phone users.

Pulse Networks was asked to tender for planning and design work and was successful against the larger multi-disciplined consultancies. Our "point of difference" being our wide knowledge of Telecommunications technologies.



Pulse Networks produced both Planning and Construction drawings by utilising its own in-house resources as well as sub-contract resource from survey, structural engineering and RMA. A team approach and management avoided multiple site visits and maximised data capture and information sharing to produce drawings in the shortest amount of time.

The planning and design process involved:

- Site Survey and Documentation
- RMA Consents
- Geotechnical & Geographical Survey
- Structural Engineering
- Electrical Design
- Drafting (CAD)
- Construction Supervision
- As Building

RF Design was carried out by 2Degrees Engineers.

Comment passed on to Pulse Networks from client:

“ ... first drawing I have seen from Pulse and the quality of the drawing was fantastic. Little things that were included on the plans including the surrounding sites, facilities on these sites (and their elevations), vegetation, existing telecommunications facilities on neighbouring sites, the heights and distances of these existing facilities from the proposed NZCL site and having buildings and vegetation included in the elevations made writing the report very easy for us” - Environmental Planner