“Creating resilient infrastructure that give people security and confidence in the Future of Christchurch”
Damaged Areas
$2-3 Billion

Road To Success

Programme funded by

Christchurch City Council
New Zealand Government
City & Care
Downer
Fulton Hogan
McConnell Dowell
Fletcher
Survey Specification

Survey Specification - Topographic & Drainage

Revision: 3.0
Date: 22/08/2013

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Survey Specification

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Collaboration

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12d Drainage Macro

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Staff bubble fixed

Transparent perspex straight edge
Survey Area

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- Christchurch City Council
- New Zealand Government
- citycare
- Downer
- Fulton Hogan
- McConnell Dowell
- Fletcher
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Topographic
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Master Project

Central Engineering Database

CED

Rebuilding Infrastructure
12d – Why?

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Field to Finish

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"If everyone is moving forward together, then success takes care of itself."

Henry Ford

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Designers

180 Designers

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Data Sharing

CED

Master Project

Roading Working Project

Wastewater Working Project

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Training

- Specific Training Modules
- Modules approx. 2 hours duration
- Interconnecting Modules
- Super Users in each team

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- Citycare
- Downer
- Fulton Hogan
- McConnell Dowell
- Fletcher
Customisation

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Documentation / Standards

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Macros Specific Use
“Roads”

12d Macros...

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Macros Specific Use
“Drainage”

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Anticipate the difficult by Managing the easy
Lao Tzu

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Survey As Built

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Background
AsBuilt Requirements for Christchurch City Council

Why Create
Flexibility can lead to inconsistencies and interpretation issues so........

SCIRT developed the Survey As-Built System

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SCIRT
Rebuilding Infrastructure
- Simple Input
- Contractor Focus
- Consistent Data /Correct Data!

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Generates Plots

Generates GIS Data

Generates Validation Reports

Drainage Network Created

Creates Geometry
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Design Change
Geometry Review

Pipe Diameter
Pipe Type
Road To Success
What we’re here for:

“Creating resilient infrastructure that give people security and confidence in the Future of Christchurch”
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