Seal Extension Contracts

‘More than just some more gravel’
Contract Details

- **Contract**: DCC Seal Extension Contract 07/08
- **Contractor**: Whitestone Contracting
- **Client**: Dunedin City Council
- Two Work Packages:
  - Karitane
  - Ocean View
Contract Details

• Karitane Package:
  • Located 40km north of Dunedin
  • Seven streets involved, later upgraded to nine
  • Work involved shape correction, water table improvements and first coat sealing
  • Minor drainage works, and beach access way improvements
Contract Details

• Ocean View Package:

  • Located 20km south of Dunedin towards Brighton

  • Over 600m of new kerb and channel with footpath and vehicle entranceways

  • New timber retaining wall (removed) and bus bay with drop crossing added as variation

  • Lane widening and bus shelter improvements
Contract Details

- Karitane and Ocean View Packages:
  - Both packages formed DCC Contract 2970
  - Measure and Value Contract
  - Variations added with basic design by the consultant
  - Variations constructed under ‘performance based’ methodology
Construction at Karitane

- Halkirk Street, Karitane:
  - Constructed late May 2008
  - Significant low gradient profile
  - Design did not include subsoil drainage
  - Standard seal with AC dish channel
  - Rigid stormwater pipes with outfall into dish channel
Construction at Karitane

- Bernera Street South, Karitane:
  - Constructed early May 2008
  - Runoff from adjacent field
  - Two mudtanks installed
  - Standard seal with AC dish channel
  - Mudtanks later piped to stormwater system
Construction at Karitane
Post-Construction at Karitane

• Halkirk Street, Karitane:

  • Remedial work carried out July 2008, namely:

    - Levelling surveys to identify fall
    - Topsoil application in verges
    - Compaction of earth, where possible
Post-Construction at Karitane

Bernera Street South, Karitane:

- Remedial work unable to be carried out
- Solution being to join mud tanks to storm water
- Scheduled for late spring
- Covered under contract as a variation
Post-Construction at Karitane

Halkirk and Bernera Street South, Karitane:

- Further remedial work suspended from June 2008 until spring time

- Letters sent to complainants affected advising of this

- Contractors shifted efforts to other contracts to allow for better weather and the onset of spring
Construction at Ocean View

Brighton Road, Ocean View:

• New kerb and channel with footpath and vehicle entranceways

• Bus bay with drop crossing

• Bus shelter improvements
Construction at Ocean View

Brighton Road, Ocean View:

- Plan view of Kerb altered to avoid fire hydrants and manhole covers
- Kerb sub base layer increased in thickness due to sandy nature of natural ground
- Bus shelter raised to footpath level and straightened
Construction at Ocean View

Brighton Road, Ocean View:

- Residents were contacted regarding storm water ‘boiler tubes’ and responded favourably

- Contractor advised all parties when kerb and channel was being formed and footpath laid to prevent problems

Any issues were worked out on site with consultant
Post-Construction at Ocean View

Brighton Road, Ocean View:

- Mini-retaining wall to prevent discharge of fines from existing retaining wall
- Bus bay floor tripping hazard – remedied with AC patch
- Incorrect grass verge slope – remedied with extra topsoil and a planter box
Halkirk Street, Karitane:

- Remedial work completed during October 2008
- Topdressing soil applied
- Grass seed sown
- Soil rolled to remove ruts and wheel tracks
Back to Karitane….

Berner Street South, Karitane:

- Work carried out December 2008
- Stormwater drain trenched and laid
- Mud tanks cleaned
- Mud tanks connected to stormwater pipe
Conclusions

Other streets in Karitane:

- Beach access improvements
- Minor safety improvements
- Carrigeway widening for industrial use
Residents of Karitane and Ocean View affected by the works were kept in regular contact.

Contact with the consultant and the contractor were encouraged to provide solutions to particular concerns.

Site meetings with residents were held when applicable.

Residents took a proactive approach to assist the contractors.
Achtung
MINEN
Karitane and Ocean View Packages:

- Excessive and prolonged periods of wet weather
- Temporary Traffic Management compliance
- Discrepancies with incoming claims
Conclusion

Contract came in on budget for the original packages and the variations as budgeted.

Client received value for money and publicity through public relations.

Contractor benefited from extra work.

Contractor received extra fees for work carried out increasing the value and profile of their business.
Conclusion

I ‘valued’ and respected the experience in such a way as to increase:

The service to my future clients

My level of expertise in the industry

My competence when aiming towards IPENZ accreditation and NDCE (Applied)