

SH16 CAUSEWAY UPGRADE PROJECT



Monthly Environmental Report June 2014

Document history and status

Revision	Date issued	Written By	Reviewed by	Approved by	Revision Status
А	1 August 2014	R Purdy	S Price, S Paton	B Dunbar	Final

Distribution of copies

Revision	Purpose	Issued to							
А	Final June Environmental Report	Auckland Council							

Printed:	01/07/2014
Last saved:	01/08/2014 15:29
File name:	K:\EN Environment\EN51 Construction\04 Council Reporting\Monthly Report\2014 Environmental Reports\2014 04 Report \ June_2014_Causeway_Upgrade_Project_Monthly_Environmental_Report_Rev_A .docx
Author:	Rachel Purdy
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Name of organisation:	Causeway Alliance
Name of project:	SH16 Causeway Upgrade Project
Document version:	Revision A

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1.0 INTRODUCTION

1.1 PURPOSE OF THE REPORT

To provide Auckland Council with a monthly overview of construction progress and compliance activity on the SH16 Causeway Upgrade Project.

This report describes and details activities that took place during the month of June 2014.

2.0 OVERVIEW OF ACTIVITIES UNDERTAKEN

2.1 Environmental

Regular contact is continuing with the Auckland Council compliance team.

2.2 Communications and Stakeholder Management

- Produced monthly Causeway News project updates to stakeholders, project neighbours and wider community.
- Completed the precondition survey process for commercial businesses adjacent to the project in the Rosebank area.
- Visited Waterview residents whose properties overlook the project and who requested schedules of noisy activities, such as piling, so they can roster their working from home commitments around these activities.
- Hosted Rutherford Primary school team lead and teachers as part of our Education Liaison Group.
- Received feedback from a cyclist that they have observed people fishing from the Whau River Bridge cycleway. This has been discussed with Auckland Transport and a request lodged to install no fishing signs on the bridge.
- Received a suggestion from a member of the public regarding construction of an additional bridge over the Whau River. The extensive design, planning and consultation process associated with the project was explained and Auckland Transport's number provided as we understand an additional bridge was investigated some years ago.
- Received feedback from one commercial driver regarding the lane width being too narrow for trucks in some places along SH16. The driver was advised that the lanes comply with the NZ Transport Agency standard of 3.25m in width, and in a few places are 3.1m (which is the same as the permanent marking on the Auckland Harbour Bridge). These widths are deemed sufficient with the lowered speed limit of 80kph.
- Received queries from two drivers wishing to confirm the speed limit on sections of SH16 at certain dates. For the dates provided and the areas confirmed, the speed limit was 70kph at the time.

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- Continued discussions with Auckland Council regarding the Rosebank Park Domain Open Space Restoration Plan and met with the Auckland Council Parks, Sport and Recreation Officer (West) and Whau Local Board representative on-site in late June.
- Continued discussions with Iwi on 'art in design' concepts and features along the new northwestern cycleway at six locations identified in the SH16 Causeway Upgrade Project Urban Design and Landscape Plan.
- Received a response from the Department of Conservation in relation to the two embankment build outs adjacent to the new northwestern cycleway and proposed access points to northern Traherne Island and Whau River as substitute scope for the previously proposed South Traherne Island boardwalk.

2.3 Construction

- Whau River Bridge (northern side) installation of beams for 75% of the bridge spans complete.
- Whau River Bridge (southern side) piling for the westbound spans at the south west abutment complete.
- Patiki to Whau (westbound, around Rosebank Park Domain) earthworks along Rosebank Park Domain batter slope remain on hold following the detection of asbestos, earthworks and preloading for the reclamation of the Coastal Marine Area (CMA) around the raceway channel complete. Embankment filling west of Rosebank Park Domain underway. Ground improvements at the Patiki on-ramp underway.
- Whau to Rosebank (eastbound) earthworks and rock revetment continuing at various stages along this section of works. Mechanically Stabilised Earth wall construction complete and filling is occurring west of the wall.
- Causeway (from North Traherne Island eastbound) continue installation of the preload fill layer (surcharge) up to full height and coffer dam/stability – this is at various stages along the embankment. Preloading to the bridge transitions at either side of the new Causeway Bridge commenced following completion of piling at north-west abutment. Preload and embankment fill at North Traherne Island complete. Remedial works required to embankment slumps before further earthworks proceed in these areas.
- Causeway (South Traherne Island, westbound) vegetation clearance complete. Continue installation of the preload fill layer up to full height this is at various stages along the westbound side of SH16.
- Great North Road Interchange (GNRI) (northern side, eastbound from Causeway Bridge) installation of preload adjacent to the GNR eastbound on-ramp commenced, excavation of eastbound on-ramp complete to subgrade level. Pile installation underway at Causeway Bridge north-western abutment complete. Preload further east of Causeway Bridge continuing.

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 GNRI (southern side, westbound towards Causeway Bridge) – continue earthworks and utility trenching, timber piling at Oakley Creek basalt transition and preload on top of the timber piles complete. Installation of steel piles in slip area underway. Oakley Creek boardwalk piling underway.

3.0 MEETINGS, INSPECTIONS AND EVENTS

5 and 19 June (2 visits) – Auckland Council's earthworks compliance inspections.

19 June – Auckland Council's coastal compliance inspection.

4.0 ENVIRONMENTAL MONITORING

4.1 EARTHWORKS COMPLIANCE

Compliance Inspections were completed by Auckland Council officers on 5 and 19 June and recorded a compliance score of 1 (Full Compliance).

4.2 CONSTRUCTION NOISE AND VIBRATION

No Site Specific Noise Management Plans were submitted and approved in June.

4.3 AIR QUALITY

No air quality complaints or issues were received during June.

4.4 CONTAMINATED SOIL

A summary of exported material disposal locations, along with material classifications, sample methods and quantities at various site locations along the alignment during June is included in Appendix A.

Earthworks at the Rosebank Park Domain embankment remain on hold following the detection and sampling of asbestos material found in the embankment. Discussions with Auckland Council's contaminated soil specialist in relation to disposal and further activities are continuing.

4.5 EROSION AND SEDIMENT CONTROL

No site specific Erosion and Sediment Control Plans were submitted or approved by Auckland Council in June.

4.6 ARCHAEOLOGICAL

No archaeological inspections were undertaken in June.

4.7 COASTAL MONITORING

A coastal compliance inspection was completed by Auckland Council officers on the 19 June and recorded a compliance score of 1.

The stabilisation and remediation of the Oakley Creek slump is being undertaken in accordance with the methodology agreed with Council. The installation of timber piles overlaying the area of basalt in the Creek and the placement of preload over the piles is complete, allowing settlement to commence. The steel piled grid is partially complete.

The further slips which occurred on the northern side of the Causeway works on 11 March and 2 April continue to be monitored. Pile installation at the Causeway Bridge north-western abutment, to provide stability to this slip area, is complete.

4.8 MARINE MONITORING

The winter 2014 marine benthic habitat monitoring will be undertaken during July and August 2014.

4.9 ECOLOGICAL

No inspections of Significant and Valued vegetation were undertaken during June (refer to Section 5.0 in relation to confirmation from Auckland Council that fortnightly inspections are no longer required).

No assessment of avian roosting locations at Harbourview-Orangihina (Pony Club) and the temporary roosting rafts at the Causeway Bridge was undertaken in June (refer to Section 5.0 in relation to confirmation from Auckland Council that the monthly inspections are no longer required).

5.0 CORRESPONDENCE ON CONSENT CONDITIONS AND PLANS

Auckland Council has confirmed that monthly Avian counts at Harbourview–Orangihina and the temporary bird roost structures located to the south of the Causeway Bridge (required by Board of Inquiry (Bol) Avian Condition A.3), can cease as of June 2014. Avian counts in these areas undertaken since April 2013 indicate that the numbers of birds roosting at Harbourview Orangihina and in the general Causeway Bridge area are consistent with counts undertaken prior to the commencement construction. The project construction works are not resulting in the displacement of roosting birds.

Auckland Council has confirmed that fortnightly vegetation monitoring can cease as of June 2014. This is due to vegetation clearance being largely complete with remaining vegetation located behind silt fences or complete rock revetments. Future vegetation inspections will be in response to a specific request from the Alliance and/or an annual inspection of the replanted areas at Traherne Island.

Approval of the permanent stormwater design for Zones 1, 2, 3 and 5 received from Auckland Council in accordance with Bol Stormwater Condition SW.12.

Dispensation under the Auckland City Consolidated Bylaw Part 27 -Signs granted by Auckland Council for a single sided replacement advertising sign for the motorsport clubs at the Rosebank Park Domain.

6.0 WORKS PROPOSED FOR JULY, AUGUST AND SEPTEMBER 2014

Zone 1 Causeway

- Eastbound: Complete preload at Causeway Bridge transitions. Continue preload fill (surcharge) at westbound locations where this is not yet complete. Stabilise western most slip area with timber piles to allow further earthworks to proceed in these areas.
- Westbound: Divert cycleway onto closed bus lane westbound from Causeway Bridge to Traherne Island South, complete earthworks and preload at Traherne Island South (and towards Rosebank Road off-ramp). Earthworks and culvert works under Rosebank Road westbound off-ramp.

Zone 2 / Zone 3 Whau to Rosebank

- Eastbound: Continue installing new Whau Bridge spans (four left to install). Continue earthworks and rock revetment in this area and complete earthworks on east-bound shoulder east of Whau River Bridge, including treatment swale.
- Westbound: Continue temporary and permanent piling for Whau Bridge widening, commence Whau River Bridge south-west abutment crossheads. Continue earthworks between Whau River Bridge and Patiki Road. Complete asbestos removal and earthworks at Rosebank Park Domain batter. Continue ground improvements for Patiki Road onramp widening/underpass. Undertake temporary diversion of the existing Patiki on-ramp to allow access for piling of the new on-ramp and commence piling.

Zone 5 GNRI

- East bound: Continue preload alongside Great North Road eastbound off-ramp and commence some drainage and pavement works, stabilise subgrade and realign existing services in Area 10 (new eastbound on-ramp).
- Westbound: Complete installation of piles in Oakley Creek slip area and continue embankment filling. Along eastbound on-ramp. Continue Oakley Creek boardwalk piling.

Refer Appendix B for Construction Zone Plan showing the zones referred to above.

The environmental focus for July will focus on disposal of asbestos found in the Rosebank Park Domain embankment so earthworks can commence. We will continue to focus on monitoring material movements within the project, monitoring of erosion and sediment controls and monitoring remedial works in Oakley Creek and the other slips areas to the north of the Causeway. The marine benthic habitat monitoring in July and August will be a further focus.

APPENDIX A – SH16 CAUSEWAY UPGRADE PROJECT IMPORTED AND EXPORTED MATERIALS SUMMARY

SH16 Causeway Upgrade - June 2014 Materials Tally On Site Materials Movement and Disposal to Landfill

Date	Transport Subcontractor	Ordering Zone	Docket #	Material Source	From Area Gate	From Description Non-Import Only	Activity By Cost Code	To Area	To Description	Specification Description	Material Type	Sample ID	Lab Report ID	Classification	Final Disposal Facility	Conformance	Truck Type Load Count	Truck T Volume (T) Volu	otal (conversion factor o		Sample Rate
27/06/2014	G&C	Zone 5	314282	Greenwich Way - Albany	Site C12	Saturated Clav Not suitable	Cut To Stockpile	Taupuni Yard	Taupuni Stockpile	Cut to Waste	Clav - Clean but Unsuitable	Not sampled	-	-	-	Minor non-conformance. Very small volume, requires sampling prior to moving	Truck & 1		10 6	6	
5/06/2014		Taupuni Shared Waste	2553	Site	Taupuni Yard	Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile		Cut to Waste	Cut to Waste	Cut to Waste	rec campeo				from depot.	Trailer		2.98 21		
5/06/2014 5/06/2014		Taupuni Shared Waste Taupuni Shared Waste	2605 2549	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile		Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste								4.94 16 36.5 23	16 23 18 23	
5/06/2014 5/06/2014		Taupuni Shared Waste Taupuni Shared Waste	2608 2557	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile		Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste							3	6.38 23		
5/06/2014 5/06/2014	G&C G&C	Taupuni Shared Waste Taupuni Shared Waste	2602 2601	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste								2.02 20 24 15		
5/06/2014 5/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	2565 2612	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste							2	5.66 16 27.4 17		
6/06/2014 6/06/2014	G&C G&C	Taupuni Shared Waste Taupuni Shared Waste	2765 2750	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste							2	3.22 15 24.2 15		
6/06/2014 6/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	2646 2741	Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste	-						2	5.56 16 7.34 17		
6/06/2014 6/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	2687 2643	Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	-						2	6.66 17 6.98 17		
6/06/2014 6/06/2014 6/06/2014	G&C G&C	Taupuni Shared Waste Taupuni Shared Waste	2685 2739	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	-						2	25.4 16 18.46 18		
6/06/2014	G&C G&C	Taupuni Shared Waste Taupuni Shared Waste	2763 2659	Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	-						2	4.48 15 5.96 16		
6/06/2014 6/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	2718 2650	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	-						2	7.86 17 7.44 17		
6/06/2014 6/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste		Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Terreral Verd Obschelle has seening						2	8.82 18 3.92 15	-	
6/06/2014 6/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	2723 2757	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Taupuni Yard Stockpile has received material from: South West Whau Bridge piling spoil (initially stockpiled at Alwyn				Yes, with one minor apparent exception where approximately 325 m3 of material displaced from Zone 1F and stored at		2	3.58 15 25.6 16	-	
6/06/2014 6/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	2697 2660	Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Ave) (CA66-SP; CA68-SP); Zone 1D piling spoil and surface stripping (CA71 and				Taupuni Yard stockpile contained one sample location classed as managed fill		2	1.06 13 23.4 15		
6/06/2014 7/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	2759 2783	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste	BECA samples (WS653 (1.2 m; 4.8 m); WS654 (0.6-0.8 m; 4-5 m)); Zone 1E		Cleanfill (CA05; CA15; CA16; CA17; CA18; CA19; CA20; CA21; CA23; CA34;		(one of eight sample locations). Sample CA43 recorded a lead concentration (400		2	1.44 13 7.78 17	-	Total volume of material displaced from Taupuni stockpile:
7/06/2014 7/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	2810 2780	Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	(BECA sample BH407); Zone 1F (CA21; CA22. CA23; CA43; CA44 and BECA approach (MCA20, MCCCC); MCCCA2, CA20, C	1162411; 1175713; 1176303; 1182532; 1215417; 1222421;	CA44; CA66-SP; CA68-SP; CA75; BH403	£	mg/kg) above Ridge Road cleanfill criteria (300 mg/kg). TCLP analysis was		2	8.62 18 2.82 14	1023	2129 m ³ (includes 1106 m ³ displaced in may 2014). Three analysed samples relate to the Taupuni stockpile. The current
7/06/2014 7/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	2808	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	samples (WS430; WS666; W669A)); Zone 2J (CA18; CA19; CA20; CA75 and BECA samples (BH459 (0.9 m); DH460)); Zone		f WS651; WS652; WS653; WS654; WS666 WS669A). Cleanfil conditional (CA22;		conducted and recorded 0.030 mg/L (Ridge Road managed fill criteria 0.5 mg/L). Ridge Road has accepted		2	9.52 18 7.94 17		sample rate is one sample per 710 m ³ . This meets the minimum sampling requirements of one sample per 1000 m ³ for cleanfill.
7/06/2014 7/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	2787	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste	3F (CA15); Zone 3H (CA16; CA17); Zone3O (CA34; CA35; CA66-SP; CA68-		CA35; CA71). Managed fill (CA06, CA43)	L	concentrations based on the median concentration of the material which is		2	7.66 17 7.14 17	1	tor cleantill.
7/06/2014 7/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	2792 2773	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	SP); Zone 3P (CA34); Zone 5-Area 2 (CA05, CA06 and BECA samples (WS652, DU400, WS654, DU400) Tous 5				acceptable. CA06, CA22, WS430, WS666 and WS669A had minor PAH detections		2	6.42 17 7.94 17	-	
7/06/2014 7/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	2796 2802	Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste	BH406, WS651, BH403); Zone 5-Area 5 (no samples – approx. 30 m ³).				Ridge Road has accepted minor exceedences for PAHs.			6.52 17 27 17	1	
7/06/2014 7/06/2014		Taupuni Shared Waste Taupuni Shared Waste	2793 2772	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste	-						3	7.94 17 0.16 19	1	
9/06/2014 9/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	2815 2814	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste	-						2	7.08 17 7.78 17	-	
9/06/2014 9/06/2014	G&C G&C	Taupuni Shared Waste Taupuni Shared Waste	2813 2864	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste	-						1	6.12 16 28.4 18	-	
9/06/2014 9/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	2816 2867	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	-						2	4.46 15 3.98 15		
9/06/2014 11/06/2014	G&C G&C	Taupuni Shared Waste Taupuni Shared Waste	2832 3086	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste	-						2	8.36 18 7.74 17		
6/06/2014 6/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	2660	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste	-						2	1.06 13 23.4 15		
6/06/2014 11/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	2759 3148	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	-						1	1.44 13 23.2 15		
12/06/2014 12/06/2014	G&C G&C	Taupuni Shared Waste Taupuni Shared Waste	3176 3157	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste							2	8.14 18 24.7 15		
12/06/2014 12/06/2014	G&C G&C	Taupuni Shared Waste Taupuni Shared Waste	3107 3150	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile		Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste							2	27.6 17 7.64 17		
13/06/2014 13/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	3189 3183	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile		Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste	-						2	26 16 6.14 16		
6/06/2014 6/06/2014	G&C	Taupuni Shared Waste Taupuni Shared Waste	2697 2660	Site Site	Taupuni Yard Taupuni Yard	Shared waste stockpile at Taupuni Yard Shared waste stockpile at Taupuni Yard	Cut to Waste From Stockpile Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	-						1	1.06 13 23.4 15		
6/06/2014 3/06/2014	G&C	Taupuni Shared Waste Zone 1	2759 2286	Site	Taupuni Yard Zone 1 - Area D C5	Shared waste stockpile at Taupuni Yard CFA Piling Spoil - Marine Mud	Cut to Waste From Stockpile Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Cut to Waste Pile Spoil						Artic	1	9.66 12		
3/06/2014 3/06/2014	G&C G&C	Zone 1 Zone 1	2316 2361	Site	Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil	-					Artic Artic	1	8.82 12 9.22 12	-	
3/06/2014 3/06/2014	G&C G&C	Zone 1 Zone 1	2287 2319	Site	Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil	-					Artic Artic	1	5.46 10 19.4 12	-	
3/06/2014 3/06/2014	G&C G&C	Zone 1 Zone 1	2364 2284	Site Site	Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil	-					Artic Artic	1	7.36 11 9.12 12		
3/06/2014 3/06/2014	G&C G&C	Zone 1 Zone 1	2312 2359	Site Site	Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil	-					Artic Artic	1	8.52 12 9.64 12		
3/06/2014 4/06/2014	G&C G&C	Zone 1 Zone 1	2399 2396	Site	Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil	-					Artic Artic	1	7.36 11 9.42 12		
4/06/2014 4/06/2014	G&C G&C	Zone 1 Zone 1	2417 2445		Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil	-					Artic Artic	1	1.08 13 9.38 12	-	
4/06/2014 4/06/2014 4/06/2014	G&C G&C	Zone 1 Zone 1	2476 2420	Site	Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil						Artic Artic	1	0.18 13 7.86 11		
4/06/2014 4/06/2014	G&C G&C	Zone 1 Zone 1	2439 2482	Site Site	Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil	-					Artic Artic	1	8.12 11 9.46 12	-	
4/06/2014	G&C G&C	Zone 1 Zone 1	2393 2413	Site Site	Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil	-					Artic Artic	1	8.18 11 9.52 12	-	
4/06/2014 4/06/2014 4/06/2014	G&C G&C G&C	Zone 1 Zone 1 Zone 1	2437 2480 2510		Zone 1 - Area D C5 Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste Cut to Waste	Pile Spoil Pile Spoil Pile Spoil	-					Artic Artic Artic	1	18.9 12 9.22 12 18.8 12	1	
4/06/2014 5/06/2014 5/06/2014	G&C G&C G&C	Zone 1 Zone 1 Zone 1	2510 2524 2550	Site	Zone 1 - Area D C5 Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste Cut to Waste	Cut to Waste Cut to Waste Cut to Waste	Pile Spoil Pile Spoil Pile Spoil						Artic Artic Artic	1	8.62 12 0.04 13	1	
5/06/2014 5/06/2014	G&C G&C	Zone 1 Zone 1 Zone 1	2550 2583 2504	Site Site Site	Zone 1 - Area D C5 Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste Cut to Waste	Cut to Waste Cut to Waste Cut to Waste	Pile Spoil Pile Spoil Pile Spoil						Artic Artic Artic	1	0.04 13 7.94 11 9.86 12	1	
5/06/2014 5/06/2014	G&C G&C G&C	Zone 1 Zone 1 Zone 1	2504 2507 2527	Site Site Site	Zone 1 - Area D C5 Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste Cut to Waste	Cut to Waste Cut to Waste Cut to Waste	Pile Spoil Pile Spoil Pile Spoil						Artic Artic Artic	2	9.86 12 0.36 13 8.64 12	1	Total volume of CFA pilling spoil material displaced from Zone
5/06/2014 5/06/2014	G&C G&C G&C	Zone 1 Zone 1 Zone 1	2527 2558 2588	Site Site	Zone 1 - Area D C5 Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Pling Spoil - Marine Mud CFA Pling Spoil - Marine Mud CFA Pling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste Cut to Waste	Cut to Waste Cut to Waste Cut to Waste	Pile Spoil Pile Spoil Pile Spoil	BECA samples WS653 (1.2 m; 4.8 m);					Artic Artic Artic	1	8.04 12 18.2 11 18.8 12	1	1 otal volume of CFA pliing spoil material displaced from 2 one 1D: 1804 m ³ (includes125 m ³ already displaced in May 2014). Four analysed samples relate to piling at Zone 1D. The current
5/06/2014 5/06/2014	G&C G&C	Zone 1 Zone 1	2519 2548	Site	Zone 1 - Area D C5 Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Filing Spoil - Marine Mud CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste Cut to Waste	Cut to Waste Cut to Waste Cut to Waste	Pile Spoil Pile Spoil Pile Spoil	WS654 (0.6-0.8 m; 4-5 m)	Refer to G9 Report.	Cleanfill	Ridge Road Landfill	Yes	Artic Artic Artic	1	9.62 12 9.64 12	1679	sample rate is one sample per 451 m ³ . This meets the minimum sampling requirements of one sample per 1000 m ³
5/06/2014	G&C G&C	Zone 1 Zone 1 Zone 1	2586 2619		Zone 1 - Area D C5 Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Pliing Spoil - Marine Mud CFA Pliing Spoil - Marine Mud CFA Pliing Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste Cut to Waste	Cut to Waste Cut to Waste Cut to Waste	Pile Spoil Pile Spoil Pile Spoil						Artic Artic Artic	2	9.04 12 0.14 13 7.34 11	1	for cleanfill.
5/06/2014	G&C G&C	Zone 1 Zone 1 Zone 1	2619 2622 2635	Site	Zone 1 - Area D C5 Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste Cut to Waste	Cut to Waste	Pile Spoil						Artic	1	7.34 11 18.6 12 8.62 12	-	
6/06/2014 6/06/2014	G&C G&C	Zone 1 Zone 1 Zone 1	2635 2679 2633	Site Site	Zone 1 - Area D C5 Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste Cut to Waste	Cut to Waste Cut to Waste Cut to Waste	Pile Spoil Pile Spoil Pile Spoil	-					Artic Artic Artic	1	7.98 11 18.9 12	1	
6/06/2014 6/06/2014	G&C G&C	Zone 1 Zone 1	2673 2719	Site	Zone 1 - Area D C5 Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Filing Spoil - Marine Mud CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste Cut to Waste	Cut to Waste Cut to Waste Cut to Waste	Pile Spol Pile Spol	-					Artic Artic Artic	1	9.86 12 8.18 11	1	
6/06/2014 6/06/2014	G&C G&C	Zone 1 Zone 1 Zone 1	2625 2470		Zone 1 - Area D C5 Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Pliing Spoil - Marine Mud CFA Pliing Spoil - Marine Mud CFA Pliing Spoil - Marine Mud	Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste Cut to Waste	Cut to Waste Cut to Waste Cut to Waste	Pile Spoil Pile Spoil Pile Spoil						Artic Artic Artic	1	9.34 12 6.62 10	1	
6/06/2014 6/06/2014	G&C G&C	Zone 1 Zone 1 Zone 1	2470 2710 2766	Site Site	Zone 1 - Area D C5 Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Pling Spoil - Marine Mud CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste Cut to Waste	Cut to Waste Cut to Waste Cut to Waste	Pile Spoil Pile Spoil Pile Spoil						Artic Artic Artic	1	8.14 11 9.32 12	1	
9/06/2014 9/06/2014	G&C G&C G&C	Zone 1 Zone 1 Zone 1	2706 2835 2868	Site Site	Zone 1 - Area D C5 Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste Cut to Waste	Cut to Waste	Pile Spoil						Artic Artic Artic	1	9.32 12 6.56 10 8.44 12	-	
9/06/2014 9/06/2014 9/06/2014	G&C G&C G&C	Zone 1 Zone 1 Zone 1	2868 2914 2830	Site	Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil Pile Spoil	-					Artic	1	8.44 12 8.44 12 7.04 17	1	
9/06/2014 9/06/2014 9/06/2014	G&C	Zone 1	2874	Site	Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil	-					Artic Artic	1	5.58 10	-	
9/06/2014 9/06/2014 12/06/2014	G&C G&C	Zone 1 Zone 1	2922 2952		Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil	-					Artic Artic	1	7.42 11 9.32 12	1	
12/06/2014 12/06/2014 12/06/2014	G&C G&C	Zone 1 Zone 1	3098 3128 2162	Site	Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil						Artic Artic	2	20.9 13 21.6 14	1	
12/06/2014	G&C G&C	Zone 1 Zone 1	3163 3104	Site Site	Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil						Artic Artic	2	10.78 13 11.24 13	-	
12/06/2014 12/06/2014	G&C G&C	Zone 1 Zone 1	3133 3164	Site Site	Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil	-					Artic Artic	1	19.7 12 18.9 12	1	
12/06/2014 12/06/2014	G&C G&C	Zone 1 Zone 1	3101 3131	Site Site	Zone 1 - Area D C5 Zone 1 - Area D C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil]					Artic Artic		5.98 10 20.8 13	_	

SH16 Causeway Upgrade - June 2014 Materials Tally On Site Materials Movement and Disposal to Landfill

Date	Transport Subcontractor	Ordering Zone	Docket #	Material Source	From Area	Gate	From Description Non-Import Only	Activity By Cost Code	To Area	To Description	Specification Description	Material Type	Sample ID Lab Report ID	Classification	Final Disposal Facility	Conformance	Truck Type	Load Count Truck Total Volume (T) Volume (T)	(conversion factor of	Total Volume (m ³) for June	Sample Rate
12/06/2014	G&C	Zone 1	3166	Site	Zone 1 - Area D) C5	CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste	Cut to Waste	Pile Spoil ONE 1 - AREA D CPONTINUED FROM PI	REVIOUS PAGE				Artic	18.8	1.6 (1 t = 1/1.6))		
13/06/2014	G&C	Zone 1	3186	Site	Zone 1 - Area D		CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste	Cut to Waste	Pile Spoil					Artic	19.24	12		
13/06/2014 13/06/2014	G&C G&C	Zone 1 Zone 1	3188 3202	Site	Zone 1 - Area E Zone 1 - Area E	C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	19.14	12		
13/06/2014 13/06/2014	G&C G&C	Zone 1 Zone 1	3222 3244	Site Site	Zone 1 - Area E Zone 1 - Area E		CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)		Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	18.78	12 12		
13/06/2014 13/06/2014	G&C G&C	Zone 1 Zone 1	3184 3191	Site	Zone 1 - Area E Zone 1 - Area E		CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)		Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	20.98	13 12		
13/06/2014 13/06/2014	G&C G&C	Zone 1 Zone 1	3209 3233	Site	Zone 1 - Area E Zone 1 - Area E		CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	19.72	12		
13/06/2014	G&C	Zone 1	3193	Site	Zone 1 - Area D	C5	CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste	Cut to Waste	Pile Spoil					Artic	18.22	11		
13/06/2014	G&C G&C	Zone 1 Zone 1	3211 3235	Site Site	Zone 1 - Area E Zone 1 - Area E	C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	19.1 16.88	12 11		
17/06/2014 17/06/2014	G&C G&C	Zone 1 Zone 1	3435 3466	Site	Zone 1 - Area E Zone 1 - Area E	-	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)		Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	17.54	11 13		
17/06/2014	G&C G&C	Zone 1 Zone 1	3492 3421	Site	Zone 1 - Area E Zone 1 - Area E	C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	17.96 16.98	11		
17/06/2014	G&C G&C	Zone 1 Zone 1	3450 3483	Site	Zone 1 - Area I Zone 1 - Area I	C5	CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste	Pile Spoil Pile Spoil					Artic	17.98	11		
17/06/2014	G&C	Zone 1	3422	Site	Zone 1 - Area D	C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil					Artic Artic	18.8	12		
17/06/2014 17/06/2014	G&C G&C	Zone 1 Zone 1	3456 3489	Site	Zone 1 - Area E Zone 1 - Area E		CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)		Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	19.02	12 11		
6/06/2014 17/06/2014	G&C G&C	Zone 1 Zone 1	2764 3519	Site	Zone 1 - Area E Zone 1 - Area E		CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)		Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	17.48	11 12		
18/06/2014 18/06/2014	G&C G&C	Zone 1 Zone 1	3564 3594	Site Site	Zone 1 - Area E Zone 1 - Area E) C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	19.48	12		
18/06/2014	G&C	Zone 1	3627	Site	Zone 1 - Area E	C5	CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste	Cut to Waste	Pile Spoil					Artic	19.04	12		
18/06/2014 18/06/2014	G&C G&C	Zone 1 Zone 1	3515 3554	Site	Zone 1 - Area E Zone 1 - Area E	C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	19.74	12		
18/06/2014 18/06/2014	G&C G&C	Zone 1 Zone 1	3591 3622	Site	Zone 1 - Area E Zone 1 - Area E		CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)		Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	17.58 20.52	11 13		
19/06/2014 19/06/2014	G&C G&C	Zone 1 Zone 1	3645 3521	Site	Zone 1 - Area D Zone 1 - Area D		CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	19.26	12		
19/06/2014 19/06/2014	G&C	Zone 1	3559	Site	Zone 1 - Area [C5	CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste	Cut to Waste	Pile Spoil					Artic	18.68	14		
19/06/2014	G&C G&C	Zone 1 Zone 1	3589 3616	Site	Zone 1 - Area E Zone 1 - Area E	C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil Pile Spoil					Artic Artic	18.38	12		
20/06/2014 20/06/2014	G&C G&C	Zone 1 Zone 1	3793 3831	Site Site	Zone 1 - Area E Zone 1 - Area E	C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	18.98 19.74	12 12		
20/06/2014 20/06/2014	G&C G&C	Zone 1 Zone 1	3866 3802	Site Site	Zone 1 - Area D Zone 1 - Area D	C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil			Dide D		Artic Artic	18.48	12 13		Total volume of CFA piling spoil material displaced from Zone
20/06/2014 20/06/2014	G&C G&C	Zone 1 Zone 1	3843	Site	Zone 1 - Area E Zone 1 - Area E	C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil	BECA samples WS653 (1.2 m; 4.8 m); Defer to C0 Depend		Ridge Road Landfill	Tes	Artic	18.04	11		1D: 1804 m ³ (includes 125 m ³ already displaced in May 2014). Four analysed samples relate to piling at Zone 1D. The current
20/06/2014	G&C	Zone 1	3791	Site	Zone 1 - Area D	C5	CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste	Cut to Waste	Pile Spoil	BECA samples WS653 (1.2 m; 4.8 m); WS654 (0.6-0.8 m; 4-5 m) Refer to G9 Report	Cleanfill			Artic	21.08	12	1679	Four analysed samples relate to plling at 20ne 10. The current sample rate is one sample per 451 m ³ . This meets the minimum sampling requirements of one sample per 1000 m ³
20/06/2014 20/06/2014	G&C G&C	Zone 1 Zone 1	3833 3868	Site Site	Zone 1 - Area D Zone 1 - Area D) C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	19.64 17.34	12 11		for cleanfill.
23/06/2014 23/06/2014	G&C G&C	Zone 1 Zone 1	3948 3970	Site	Zone 1 - Area E Zone 1 - Area E		CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)		Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	21.22 19.48	13 12		
23/06/2014 23/06/2014	G&C G&C	Zone 1 Zone 1	3943 3966	Site Site	Zone 1 - Area E Zone 1 - Area E		CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	20.76	13 12		
23/06/2014 23/06/2014	G&C	Zone 1	3998	Site	Zone 1 - Area E) C5	CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste	Cut to Waste	Pile Spoil					Artic	20.06	13		
23/06/2014	G&C G&C	Zone 1 Zone 1	3946 3967	Site Site	Zone 1 - Area D Zone 1 - Area D	C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	18.98 20	12		
20/06/2014 20/06/2014	G&C G&C	Zone 1 Zone 1	3806 3844	Site	Zone 1 - Area E Zone 1 - Area E		CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)		Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	20.08	13 12		
20/06/2014 20/06/2014	G&C G&C	Zone 1 Zone 1	12015 3893	Site	Zone 1 - Area E Zone 1 - Area E		CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)		Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	19 14.28	12 9		
20/06/2014 20/06/2014	G&C G&C	Zone 1 Zone 1	3892 3889	Site	Zone 1 - Area I Zone 1 - Area I	C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	18.52	12 10		
18/06/2014 24/06/2014	G&C	Zone 1	3627	Site	Zone 1 - Area D	C5	CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste	Cut to Waste	Pile Spoil					Artic	19.04	10		
24/06/2014	G&C G&C	Zone 1 Zone 1	4140 4111	Site Site	Zone 1 - Area E Zone 1 - Area E	C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	17.58	11 10		
24/06/2014 25/06/2014	G&C G&C	Zone 1 Zone 1	4135 4168	Site	Zone 1 - Area E Zone 1 - Area E		CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)		Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	18 15.82	11 10		
25/06/2014 25/06/2014	G&C G&C	Zone 1 Zone 1	4204 4247	Site	Zone 1 - Area D Zone 1 - Area D	C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	20.06	13		
24/06/2014 24/06/2014	G&C	Zone 1	4160	Site	Zone 1 - Area D	C5	CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste	Cut to Waste	Pile Spoil					Artic	16.74	10		
25/06/2014	G&C G&C	Zone 1 Zone 1	4158 4177	Site Site	Zone 1 - Area E Zone 1 - Area E	C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	15.48 16.98	11		
24/06/2014 24/06/2014	G&C G&C	Zone 1 Zone 1	4058 4104	Site	Zone 1 - Area E Zone 1 - Area E	-	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	19.98	12 12		
24/06/2014 24/06/2014	G&C G&C	Zone 1 Zone 1	4056 4095	Site	Zone 1 - Area E Zone 1 - Area E		CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	17.86	11		
24/06/2014 23/06/2014	G&C G&C	Zone 1 Zone 1	4127 4021	Site	Zone 1 - Area D Zone 1 - Area D	C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	22.42 20.22	14 13		
23/06/2014	G&C	Zone 1	4024	Site	Zone 1 - Area D	C5	CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle)	Ridge Road Landfill	Cut to Waste	Cut to Waste	Pile Spoil					Artic	20.4	13		
23/06/2014	G&C G&C	Zone 1 Zone 1	4020 3997	Site Site	Zone 1 - Area D Zone 1 - Area D	C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)		Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	17.3	11 11		
25/06/2014 23/06/2014	G&C G&C	Zone 1 Zone 1	4287 3992	Site	Zone 1 - Area E Zone 1 - Area E	C5 C5	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Ridge Road Landfill Ridge Road Landfill	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Pile Spoil Pile Spoil					Artic Artic	20.78	13 12		
24/06/2014 24/06/2014	G&C G&C	Zone 1 Zone 1	4053 4091	Site	Zone 1 - Area D Zone 1 - Area D	C4	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Zone 1 - Area D	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Marine Sediment Marine Sediment					Artic Artic	18.02 20.4	11		
24/06/2014 24/06/2014	G&C G&C	Zone 1 Zone 1	4123 4158	Site	Zone 1 - Area D Zone 1 - Area D) C4	CFA Piling Spoil - Marine Mud CFA Piling Spoil - Marine Mud	Cut To Waste (Single Handle) Cut To Waste (Single Handle)	Zone 1 - Area D	Cut to Waste Cut to Waste	Cut to Waste Cut to Waste	Marine Sediment Marine Sediment			Zone 1 - Area D	Yes	Artic Artic	20.22	13 10		
	Jau	2010 1	4100	010	Lone I - Area L		Graft mig open - mennet muu	Sou no manue (omgre nariule)	Long I - Nidd U	Out to mabit	JULID HIDSIE					Minor non-conformance. Very small	Piut	10.40	10		
6/06/2014	G&C	Tone 1	335300	Cito	Zone 2 - Area [) сз	Cut material from Revetment Rock nosing (too wet to dispose off site)	Cut To Stockpile	Zone 2 - Area D	Staalaalla ar -it-	Cut to Waste	Marine Sediment			Zone 2 - Area D	volume, requires sampling in-situ at current placement location.	6 Wheeler	10 07	50	50	
3/06/2014	G&C	Zone 2 Zone 2	335297	Site	Zone 2 - Area	I C14	Patiki onramp temp diversion pavement cut	Cut To Stockpile	Taupuni Yard	Stockpile on site General Unsuitable	Cut to Waste	Topsoil & Clay - Clean but Unsuitable			2018 2 - AIB3 U	and a province to do to the	6 Wheeler				
4/06/2014 4/06/2014	G&C G&C	Zone 2 Zone 2	334651 322398	Site	Zone 2 - Area		Patiki onramp temp diversion pavement cut Patiki onramp temp diversion pavement cut	Cut To Stockpile Cut To Stockpile	Taupuni Yard Taupuni Yard	General Unsuitable General Unsuitable		Topsoil & Clay - Clean but Unsuitable Topsoil & Clay - Clean but Unsuitable						3 10 30 6 10 60	19 38		
4/06/2014 5/06/2014	G&C G&C	Zone 2 Zone 2	310874 333869	Site Site	Zone 2 - Area Zone 2 - Area	I C14	Patiki onramp temp diversion pavement cut Patiki onramp temp diversion pavement cut	Cut To Stockpile Cut To Stockpile	Taupuni Yard Taupuni Yard	General Unsuitable General Unsuitable	Cut to Waste	Topsoil & Clay - Clean but Unsuitable Topsoil & Clay - Clean but Unsuitable					6 Wheeler	14 10 140 8 10 80	88 50		Total volume of material displaced from Zone 2J: 452 m ³ (includes 45 m ³ displaced in April 2014 and 38 m ³ displaced in
5/06/2014 9/06/2014	G&C G&C	Zone 2 Zone 2	310785	Site	Zone 2 - Area Zone 2 - Area	I C14	Patiki onramp temp diversion pavement cut	Cut To Stockpile Cut To Stockpile	Taupuni Yard Taupuni Yard	General Unsuitable General Unsuitable	Cut to Waste	Topsoil & Clay - Clean but Unsuitable Topsoil & Clay - Clean but Unsuitable	CA18; CA19; CA20; CA75. (BECA 1176303; 1226072. (Re samples: BH459 (0.9 m); DH460) G9 Report for BECA res		Stockpiled onsite at the Taupuni Yard	Yes	6 Wheeler	7 10 70 1 10 10	44	369	May 2014). Six analysed samples relate to Zone 2J. The current sample rate is one sample per 75 m ³ . This meets the
9/06/2014	G&C	Zone 2	300104	Site	Zone 2 - Area	J C14	Patiki onramp temp diversion pavement cut	Cut To Stockpile	Taupuni Yard	General Unsuitable	Cut to Waste	Topsoil & Clay - Clean but Unsuitable	Consport of deciding	~	. oopen/ 1010		6 Wheeler	1 10 10	6		minimum sampling requirements of one sample per 1000 $\ensuremath{m^3}$
11/06/2014 12/06/2014	G&C G&C	Zone 2 Zone 2	310790 310792	Site Site	Zone 2 - Area	J C14	Patiki onramp temp diversion pavement cut	Cut To Stockpile Cut To Stockpile	Taupuni Yard Taupuni Yard	General Unsuitable General Unsuitable	Cut to Waste	Topsoil & Clay - Clean but Unsuitable Topsoil & Clay - Clean but Unsuitable					6 Wheeler	7 10 70 3 10 30	44 19		for cleanfill.
12/06/2014 13/06/2014	G&C G&C	Zone 2 Zone 2	310791 310793	Site Site	Zone 2 - Area		Patiki onramp temp diversion pavement cut Patiki onramp temp diversion pavement cut	Cut To Stockpile Cut To Stockpile	Taupuni Yard Taupuni Yard	General Unsuitable General Unsuitable	Cut to Waste Cut to Waste	Topsoil & Clay - Clean but Unsuitable Topsoil & Clay - Clean but Unsuitable					6 Wheeler 6 Wheeler	1 10 10 1 10 10	6		
3/06/2014	G&C	Zone 2	335297	Site	Zone 2 - Area	C14	Patiki onramp temp diversion pavement cut	Cut To Stockpile	Taupuni Yard	Concrete	Cut to Waste	Waste - Refuse/Rubbish		Waste - Refuse/Rubbish as per materia	Stockpiled onsite at the	Yes, provided it is disposed of seperatley	6 Wheeler	1 10 10	6		N/A - 38 m ³ of concrete stockpiled at the Taupuni Yard to be
13/06/2014 13/06/2014	G&C G&C	Zone 2	333879 300111	Site	Zone 2 - Area		Patiki onramp temp diversion pavement cut Patiki onramp temp diversion pavement cut	Cut To Stockpile	Taupuni Yard	Concrete	Cut to Waste	Waste - Refuse/Rubbish	N/A - material is concrete N/A	tally material type	Taupuni Yard	from the main Taupuni Stockpile as waste to an appropriate landfill.	6 Wheeler 6 Wheeler	1 10 10 4 10 40	6	38	disposed of as waste (refuse/rubbish).
13/06/2014	G&C G&C	Zone 2 Zone 2	310881	Site	Zone 2 - Area	U C14	Patiki onramp temp diversion pavement cut Patiki onramp temp diversion pavement cut (Wet material being replaced)	Cut To Stockpile Cut To Stockpile	Taupuni Yard Zone 2 - Area J	Concrete General Unsuitable	Cut to Waste Cut to Waste	Waste - Refuse/Rubbish Aggregate - MANARC MR 8 65	N/A - material is imported fill N/A	Cleanfill (imported fill)	Zone 2 - Area J	Yes		4 10 40 1 10 10	25 6	6.25	N/A - Material is imported fill
																					Total volume of material displaced from Zone 5 Area 2: 395 m
				01						A	A		CA05. (BECA samples BH403 (0.5 m; 3.0 m); BH406; WS651; WS652) for BECA results).	troot							(includes 12 m ³ displaced in September 2013, 288 m ³ displaced in April 2014 and 81 m ³ displaced in May 2014).
24/06/2014	G&C	Zone 5	310359	Site	Zone 5 - Area 2	2 C8	piling spoils	Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste	Cut to Waste	Pile Spoil		Cleanfil	Ridge Road Landfill	Yes	Artic	22.2	14	14	Three analysed samples relate to Zone 5 Area 2. The current sample rate is one sample per 132 m ³ . This meets the
																					minimum sampling requirements of one sample per 1000 m ³ for cleanfill.
+						-									-						
16/06/2014	G&C	Zone 5	3398	Site	Zone 5 - Area 3	3 C12	Unsuitable Clay	Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste	Cut to Waste	Clay - Clean but Unsuitable				CA29 exceeded Schedule 10 permitted	Truck & Trailer	26.12	16		Total volume of material displaced from Zone 5 - Area 3: 206 m ³ (includes 24 m ³ displaced in March 2014 and 149 m ³
													CA24; CA25; CA26; CA27; CA28; CA29; (199999 0.4.1.000	Cleanfill (CA26 very minor exceedence	Ridge Road Landfill	discharge for nickel (concentration of nickel at CA29 was 133 mg/kg, Auckland				33	displaced in April 2014). Eight analysed samples relate to Zon 5 - Area 3. The current sample rate is one sample per 26 m ³
16/06/2014	G&C	Zone 5	3402	Site	Zone 5 - Area 3	3 C12	Unsuitable Clay	Cut to Waste From Stockpile	Ridge Road Landfill	Cut to Waste	Cut to Waste	Clay - Clean but Unsuitable	CA30 (relevant BECA sampling: BH407 0.2 m) 1178678. Refer to G9 R for BECA results.			S10 permitted discharge limit is 105 mg/kg). All other samples were below S10	Truck &	27.92	17		This meets the minimum sampling requirements of one sampl 1000 m ³ for cleanfill.
						+				<u> </u>				mg/kg).		limits for nickel, based on this it is deemed acceptable for reuse onsite.					As per cell above, noting that pile material is significantly deeper than the surface testing undertaken. This is unlikely to
18/06/2014	G&C	Zone 5	314271	Site	Zone 5 - Area 3	3 C12	Pile Spoil from gantry pile installation	Cut To Waste (Single Handle)	Zone 5 - Area 3	Stockpiled to be carted to Ridge Roa	ad Cut to Waste	Clay - Managed			Zone 1 - Area D		6 Wheeler	1 10 10	6		affect the reliability of the data and the marine sediment is considered to be suitable to remain at Zone 1 - Area D.
<u> </u>		2010 J	V172/1	010	LOUID - MIRS (012	r open nom genery pre instelletorn		2010 3 - 1188 3		Sur to Hidsle	1 Clay - manogeu	ı	1	LUID I - AIBd D	1	- THIOBIEI	. 10 10			

APPENDIX B – SH16 CAUSEWAY UPGRADE PROJECT CONSTRUCTION ZONES PLAN

