



Our Ref: L14136e

10 June 2015

Auckland Council
Orewa Office
Private Bag 92300
AUCKLAND 1142

Attention: Resource Management Administrator

Dear Sir/Madam

**RE: AUCKLAND COUNCIL SCHEME PLAN R59060
PROPOSED 5 LOT SUBDIVISION ALLOTMENT 373 PSH OF WAIWERA
AT 1158 WERANUI ROAD, WAINUI FOR RAHOPARA FARMS LTD**

Please find enclosed two copies of as built plans, completion certificate, Asbuilt checklist and the geotechnical completion report for the rural subdivision at the above site.

We request approval of these plans so that the Subdivision may receive final approval.

Should you wish to discuss any aspects of the above information, please contact the above office.

We trust this meets with your approval.

Yours faithfully

IAN HUTCHINSON CONSULTANTS LTD

Prepared by


H. Norton
ENGINEER

Reviewed by


I. T. Hutchinson
MANAGING DIRECTOR

CERTIFICATE OF COMPLETION OF DEVELOPMENT WORKS

SCHEME PLAN NO: R59060

DEVELOPER: RAHOPARA FARMS LTD

ADDRESS: 1158 WERANUI ROAD

LOCALITY: WAINUI

Pursuant to Section 103 and 104.13 of the Standards for Engineering Design and Construction, I **IAN THOMAS HUTCHINSON** being registered under the provisions of the appropriate Act, and currently holding an Annual Practising Certificate, hereby certify that:

Earthworks
Rights of Way

shown on plans numbered A3-14136 AB/001 – AB/014 for the above development have been constructed in accordance with sound and accepted engineering principles and comply with District Plan, the Standards for Engineering Design and Construction, and the Conditions of the Resource Consent. The following relevant documents attached hereto are to be read in conjunction with this certification:

Statement of Professional Opinion as to Suitability of Land for Building Development (Appendix J)
Earthworks Completion Report
As-built Checklist (Appendix F)
As-built Record Plans

As an independent professional covered by a current policy of Professional Indemnity Insurance to a minimum value of \$500,000, I or personnel under my control have carried out periodic reviews of the works, and based upon these reviews and information supplied by the contractor during the course of the works I **BELIEVE ON REASONABLE GROUNDS** that the works specified above have been completed to the extent required by the Resource Consent, to the standards required by the District Plan and the Standards for Engineering Design and Construction.



Ian T. Hutchinson

BE ME MIPENZ (Civil Structural) CPEng IntPE (NZ)
(Professional Qualifications)

10/06/2015
Date

CPEng No: 63973

Member ACENZ ☒
IPENZ ☒ ☐ NZIA

IAN HUTCHINSON CONSULTANTS LIMITED
PO Box 150
OREWA
Ph: (09) 426 5702 Fax: (09) 426 9669
Email: info@hc.co.nz

REFERENCE: Contract/Project No. 14136 Consent No. R59060 RDC Plan No. 21210	AS BUILT PREPARED BY: Consultant: IAN HUTCHINSON CONSULTANTS LTD	This form must be attached to all As Built submitted to Council
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All As Built plans supplied to Council shall show the following information as appropriate:

STANDARD INFORMATION:
PLEASE TICK

- North point ☒
- Legal boundaries, legal descriptions of parcels, Road names and property address numbers ☒
- Produce plans at a suitable scale for clarity. Show a separate service per plan if necessary ☒
- Note the schedule of drawings on the plan ☒
- Note Datum on plan:
All reduced levels shall be in terms of the LINZ Datum
Levels in these terms shall be shown on the drawings except Omaha ☒
- Note co-ordinate system on plan ☒
- Existing installations to be identified clearly as "Existing" ☐
- Private installations to be identified clearly as "Private" ☐
- Removed installations to be identified clearly as "Removed" ☐
- Abandoned installations to be identified clearly as "Abandoned" ☐
- Note revision number, date and comment on plan ☐
- Three sets of prints ☒
- Digital format: DGN, DWG, DXF in a recognised LINZ co-ordinate system ☒

ROADING:

- Pavement surface ☐
- Kerb and channel ☐
- Footpath (material & position) ☐
- Cesspits and catchpits ☐
- Retaining Walls and materials and heights ☐
- Median Islands ☐
- Landscaping/amenity planting, feature walls ☐
- Extent of formation ☐
- Subsoil drains (position & type) including discharge points ☐
- Extent of seal ☐
- Road lights ☐
- Edges of formation ☐
- Driveway pipe crossings (length, position, material type & diameter) ☐
- Open water table and direction of flow ☐

WATER RETICULATION:

- Internal diameter, material type and class of pipes laid including road crossings ☐
- External diameter, material type and class of pipes laid including road crossings.
(This applies to PE, uPVC and mPVC pipes) ☐
- Valves - noted for type, hydrants, tees, branches, thrust blocks & blank caps. Show enlarged details ☐
- Bends (angle) dimensioned to two boundaries ☐
- Distance from boundary of water main (If not digital) ☐
- Depth of line (bedding & backfill types). Note if directional drilled ☐
- Pump stations including wiring diagrams, pipework details and full itemised ☐

parts inventory and operating manuals	<input type="checkbox"/>
• Bores (as for pump stations)	<input type="checkbox"/>
• Rising mains (nominal diameter, type, position, bends, levels, anchor/thrust blocks, scour valves, air valves & blank caps)	<input type="checkbox"/>
• Thermal pipes	<input type="checkbox"/>
• House connection and distance to nearest side boundary where installed	<input type="checkbox"/>
• Pipes removed or abandoned	<input type="checkbox"/>

SANITARY DRAINAGE RETICULATION:

• Manhole cover level and invert level of outlet pipe; invert level of drop connections to LINZ Datum. Distances to two adjoining boundaries if not provided in digital format	<input type="checkbox"/>
• Label non-standard manholes with diameter and type	<input type="checkbox"/>
• Internal diameter, length, material type and class of pipes laid (including house connections), bedding & backfill type and if directional drilled	<input type="checkbox"/>
• External diameter, length, material type and class of pipes laid (including house connections), bedding & backfill type and if directional drilled (Applies to PE, uPVC and mPVC)	<input type="checkbox"/>
• House connections <2.0m from main pipe show the distance from the centre of the downstream manhole cover.	<input type="checkbox"/>
• House connections >2.0m from main pipe show the distance from the centre of the downstream manhole cover and the end point. Provide two offsets of the end point if produced manually. Provide length of pipe	<input type="checkbox"/>
• Rising mains and Siphons (internal diameter, material type, length, position, bends, levels, anchor/thrust blocks, scour valves & air valves). Note external diameter for PE UPVC and MPVC pipes.	<input type="checkbox"/>
• Pump station including wiring diagrams, pipework details and full itemised parts inventory and operating manuals	<input type="checkbox"/>
• Encased protected pipes (position, length & type of protection)	<input type="checkbox"/>
• Pipes, manholes and pump stations removed or abandoned	<input type="checkbox"/>

STORMWATER DRAINAGE RETICULATION:

• Manhole cover level and invert level of outlet pipe, invert level to drop connections to LINZ Datum. Distances to two adjoining boundaries if not provided in digital format.	<input type="checkbox"/>
• Label non-standard manholes with diameter and type	<input type="checkbox"/>
• Internal diameter, length, material type and class of pipes laid (including house connections), bedding & backfill type and if directional drilled	<input type="checkbox"/>
• External diameter, length, material type and class of pipes laid (including house connections), bedding & backfill type and if directional drilled (Applies to PE, uPVC and mPVC)	<input type="checkbox"/>
• Open water table and direction of flow	<input type="checkbox"/>
• Cesspits and catchpits	<input type="checkbox"/>
• Subsoil drains (position, diameter and material type), including discharge points	<input type="checkbox"/>
• House connections <2.0m from main pipe show the distance from the centre of the downstream manhole cover	<input type="checkbox"/>
• House connections >2.0m from main pipe show the distance from the centre of the downstream manhole cover and the end point. Provide two offsets of the end point if not provided in digital format. Provide length of pipe	<input type="checkbox"/>
• Pipes and manholes removed or abandoned	<input type="checkbox"/>
• Driveway pipe crossings (position, length, material type & internal diameter)	<input type="checkbox"/>
• Dish drain half pipe (length, position, material type & diameter)	<input type="checkbox"/>
• Encased protected pipe (position, length & type of protection)	<input type="checkbox"/>
• Scour protection (position & type)	<input type="checkbox"/>
• Rising Main (internal diameter, material type, length, position, bends, levels, anchor/ thrust blocks, scour valves & air valves). Note external diameter for PE, PUVC and MPVC pipes.	<input type="checkbox"/>
• Stormwater treatment devices (contours, spillway details, operating levels)	<input type="checkbox"/>

- Secondary overland flow paths

**RESERVES AND PEDESTRIAN ACCESSWAYS:**

- Contours and shape factor for Neighbourhood Reserves
- Boundary fencing of street to street accessways
- Road frontage fencing
- Footpaths and walking tracks including surfacing, grade and drainage
- Subsoil drains (position, diameter and material type) including discharge points
- Cesspits and catchpits
- Accessway/walkway bollards
- Park furniture (seats, picnic tables, signs)
- Playground equipment
- Trees/shrubs and planted areas
- Lighting including accessways

**EARTHWORKS:**

- Extent of fill
- Depth of fill in the form of depth contours
- Subsoil drains (position, diameter and material type) including discharge points
- Buried retaining walls

**Certified by:****Contractor**

Name

Signature

Date

Consultant

Name

Signature

Date

10-June-2015

Checked by Council

Name

Signature

Date