

RAHOPARA FARMS LIMITED

PROPOSED 5 LOT RURAL SUBDIVISION

1158 WERANUI ROAD

WAINUI

R59060



154 Centreway Road
Orewa
Auckland

P.O. Box 150
Orewa
Auckland

Telephone (09) 426-5702
Fax (09) 426-9669
Email info@hc.co.nz

DRAWINGS

- 01 COVER
- 02 EXISTING SITE PLAN
- 03 PROPOSED SITE PLAN
- 04 CUT TO FILL PLAN
- 05 SILT CONTROL
- 06 LOT 1 & 2 CROSSING DETAIL
- 07 CONCRETE RURAL CROSSING
- 08 METAL ROW X-SECT
- 09 PROPOSED SILT CONTROL DETAILS

RDC 21210



THESE PLANS ARE APPROVED IN TERMS OF THE RODNEY DISTRICT COUNCIL STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION WHICH SHALL TAKE PRECEDENCE SHOULD CONFLICT ARISE. THESE PLAND AND THE DOCUMENTS LISTED IN THE ATTACHED LETTER OF APPROVAL SHALL BE RETAINED ON SITE AT ALL TIMES

NOTES:

Prior to the commencement of ANY works notification MUST be given to the Auckland Council and Ian Hutchinson Consultants Limited.

All works shall be carried out in accordance with Rodney District Council Standards for Engineering Design and Construction. The contractor must be familiar with these Engineering Standards.

Prior to commencing any works, the Contractor shall accurately identify all services on both the works site, neighbouring sites and any road and/or Council reserve areas.

Any damage to public services shall be the full responsibility of the Contractor. Particular attention should be given to existing Telecom and/or Power cables in the road reserve area.

Prior to the commencement of works all silt retention structures shall be installed in accordance with the Engineering drawings and the requirements of the Auckland Regional Council Environment and Planning Divisions Technical Publication Number 90.

All silt control structures shall be maintained and cleaned out as necessary until complete grass cover has been re-established (minimum 80% cover) over the complete works site.

All levels shown on the drawings relate to a Lands & Survey datum unless otherwise noted. A datum shall be provided to the contractor prior to the commencement of

works.

All boundary pegs shall be protected during the works.

All existing trees and shrubs shall be preserved and permission must be granted from the Engineer prior to the trimming or removing of any vegetation.

All topsoil, non-engineered fill and debris shall be stripped from the proposed works area prior to the placement of any fill material.

All cut and fill batter slopes shall be re-topsoiled and grassed at the completion of the earthworks operation. The compacted depth of topsoil respread on berms and/or lots shall be between 100 mm – 200 mm unless specifically approved otherwise by the Site Engineer.

All civil works will be carried out under the observation of Auckland Council (field officers).

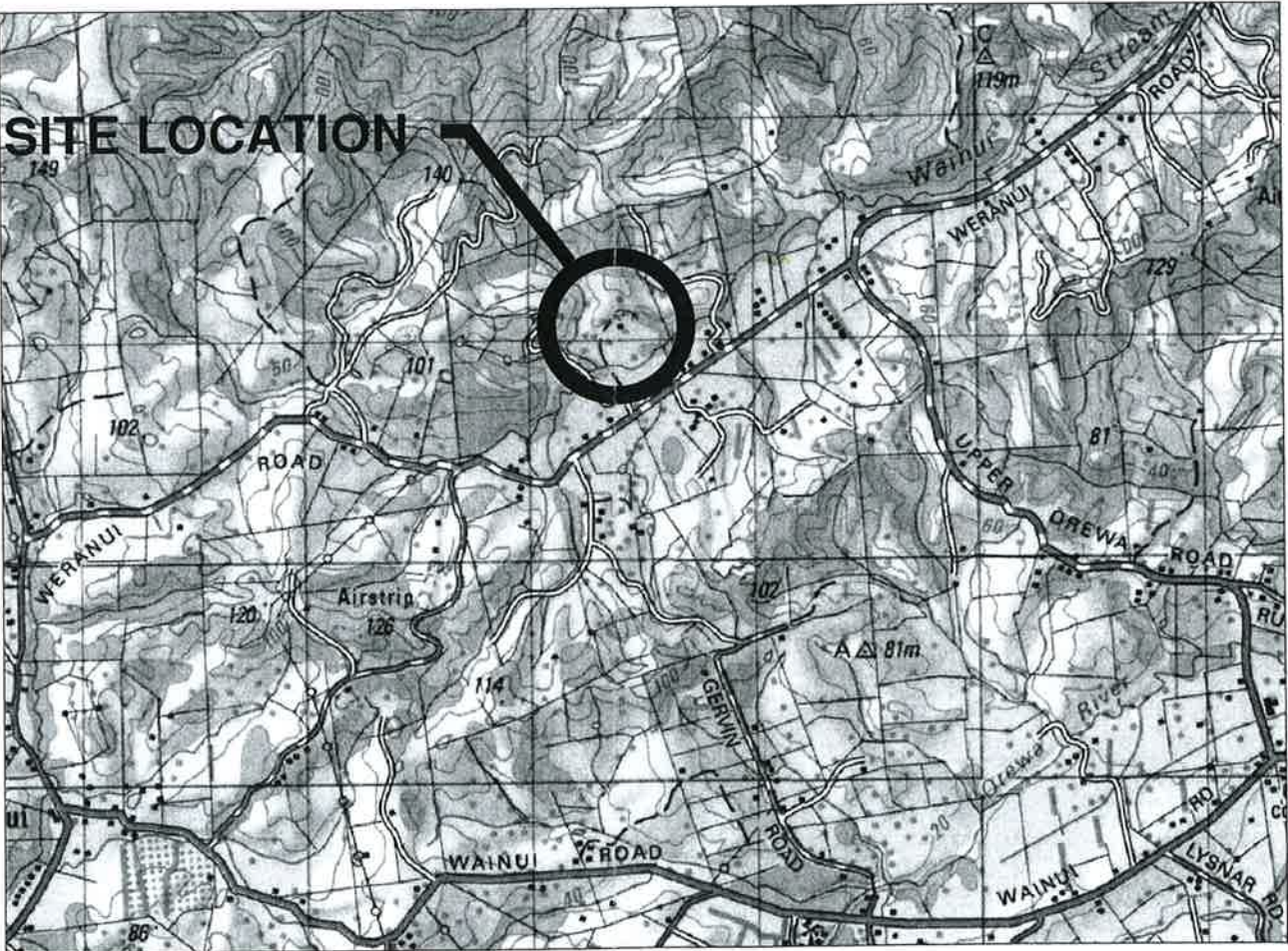
The concrete carriageway shall be constructed with 150 mm thick 20 MPa concrete on a 50 mm compacted layer of AP20. 665 mesh shall be accurately placed with 50 mm top cover.

The subgrade strength under a concrete accessway or footpath must have a minimum CBR of 7.

Expansion joints shall be provided at maximum spacing of 3.0 metres both longitudinally and transversely.

The expansion joints shall be 30 mm deep and 3 mm wide.

The maximum longitudinal grade of an accessway shall be 20% (1V in 5H).



LOCALITY PLAN RDC 21210

A3 - 14136 E/01



COUNCIL

File: **59060**

Engineering Plans
and Specifications

APPROVED

Subject to notations
in red and letter

[Signature]
Development Engineer

Date: **1/5/13**

REV.	DATE	ITEM
The Design and Drawings shown on this sheet remain the Copyright of Ian Hutchinson Consultants Limited, and are not to be reproduced without their written Authority.		
DO NOT SCALE IF IN DOUBT -- ASK		
 Hutchinson CONSULTING ENGINEERS		
PO Box 150, Orewa 0946 Ground Floor: Elan House, 19 Tamariki Ave, Orewa Ph: 09 426 5702 Fax: 09 426 9669 www.hc.co.nz		
PROJECT RAHOPARA FARMS LTD PROPOSED SUBDIVISION AT 1158 WERANUI ROAD WAINUI		
DRAWING TITLE EXISTING SITE PLAN		
SCALE 1:1500 @ A3	DATE APRIL 2013	
DRAWN DC	DRG No.	
REV	A3 - 14136 R/02	

NOTE:
ALL LEVELS RELATE TO L&S DATUM.
ALL AREAS SUBJECT TO FINAL SURVEY.

RDC 21210



LOT 5
32.4ha

FENCE

EXISTING FORD

RL 25.30
FFL 25.50

LOT 4
1.8ha

STREAM

EXISTING CROSSING

PT ALLOTMENT W139
PSH OF WAIWERA

PROVIDE 4 FLOOD
MARKERS ON THE
CORNERS OF THE FORD

LOT 2
1.8ha

RL 25.30
FFL 25.50

LOT 3
1.6ha

RL 25.30
FFL 25.50

PROPOSED 3m WIDE
METAL RIGHT OF WAY

LOT 1
1.1ha

PROPOSED NEW VEHICLE
CROSSING WITH 300mmØ
RCRRJ CLASS 4 CULVERT

UNFORMED LEGAL ROAD

WERANUI ROAD

PROPOSED UPGRADE OF EXISTING
VEHICLE CROSSING

PROPOSED NEW 12m LONG 5m WIDE
VEHICLE CROSSING WITH 300mmØ
RCRRJ CLASS 4 CULVERT

DP 329729

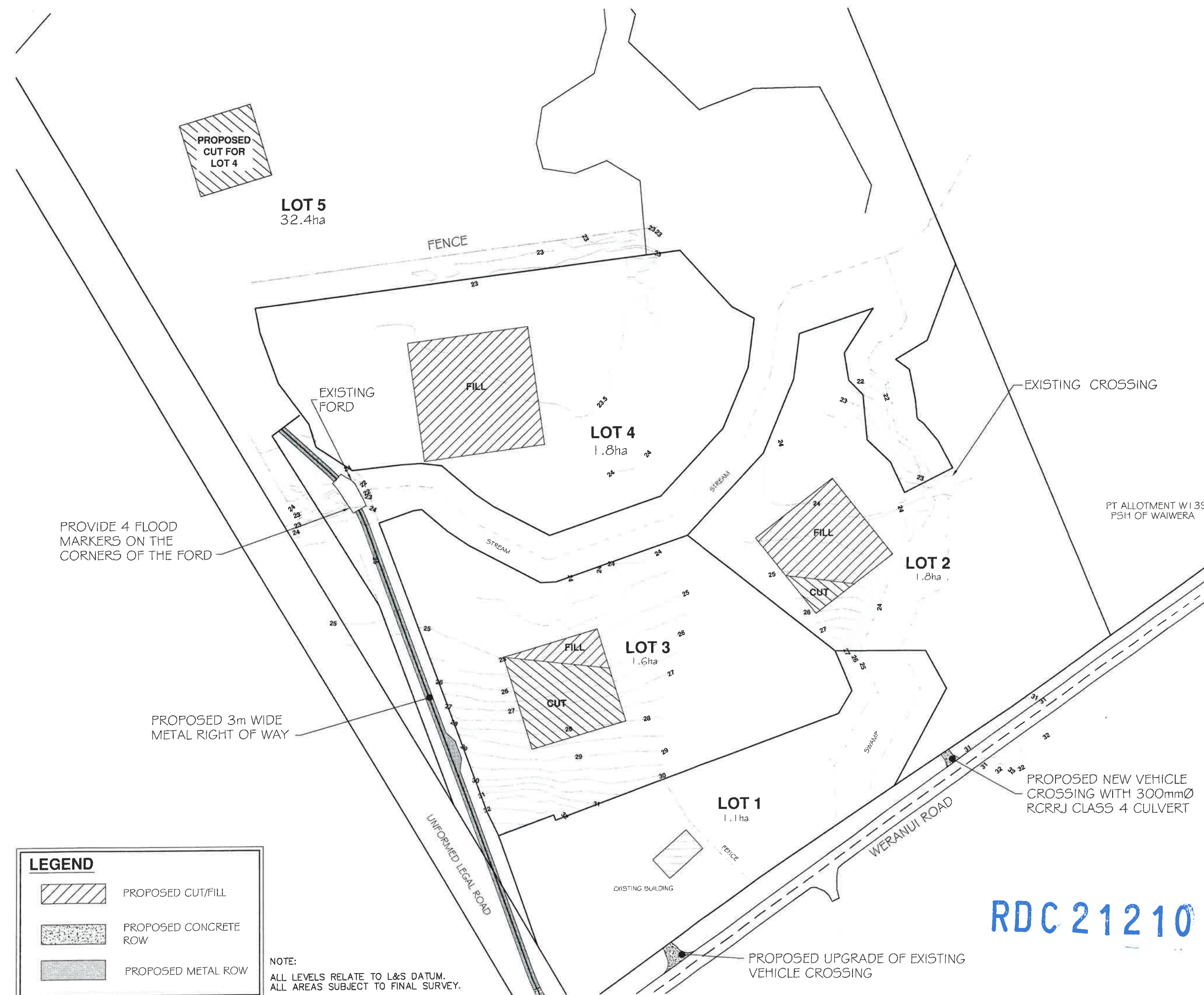
LEGEND

- PROPOSED BUILDING PLATFORM
- PROPOSED CONCRETE ROW
- PROPOSED METAL ROW

NOTE:
ALL LEVELS RELATE TO L&S DATUM.
ALL AREAS SUBJECT TO FINAL SURVEY.

RDC ?1210

REV.	DATE	ITEM
The Design and Drawings shown on this sheet remain the Copyright of Ian Hutchinson Consultants Limited, and are not to be reproduced without their written Authority.		
DO NOT SCALE IF IN DOUBT -- ASK		
Hutchinson CONSULTING ENGINEERS		
PO Box 150, Orewa 0946 Ground Floor Elan House, 19 Tamaki Ave, Orewa Ph 09 426 5702 Fax: 09 426 9669 www.hc.co.nz		
PROJECT RAHOPARA FARMS LTD PROPOSED SUBDIVISION AT 1158 WERANUI ROAD WAINUI		
DRAWING TITLE PROPOSED SITE PLAN		
SCALE 1:1500 @ A3	DATE APRIL 2013	
DRAWN DC	ORG No. A3 - 14136 R/03	
REV		



LOT 5
32.4ha

FENCE

EXISTING
FORD

FILL

LOT 4
1.8ha

STREAM

FILE

LOT 2
1.8ha

EXISTING CROSSING

PT ALLOTMENT W139
PSH OF WAIWERA

PROVIDE 4 FLOOD
MARKERS ON THE
CORNERS OF THE FORD

PROPOSED 3m WIDE
METAL RIGHT OF WAY

UNFORMED LEGAL ROAD

EXISTING BUILDING

LOT 1
1.1 ha




WERANUI ROAD

PROPOSED NEW VEHICLE
CROSSING WITH 300mmØ
RCRRJ CLASS 4 CULVERT

PROPOSED UPGRADE OF EXISTING
VEHICLE CROSSING

RD C 21210

LEGEND

	PROPOSED CUT/FILL
	PROPOSED CONCRETE ROW
	PROPOSED METAL ROW

NOTE:
ALL LEVELS RELATE TO L&S DATUM.
ALL AREAS SUBJECT TO FINAL SURVEY.

COUNCIL
 File 59060
 Engineering Plans
 and Specifications
APPROVED
 Subject to notations
 in red and letter

 Development Engineer
 1/5/3
 Date _____

REV.	DATE	ITEM
<p>The Design and Drawings shown on this sheet remain the Copyright of Ian Hutchinson Consultants Limited, and are not to be reproduced without their written Authority.</p>		
<p>DO NOT SCALE IF IN DOUBT -- ASK</p>		
 <p>Hutchinson CONSULTING ENGINEERS</p>		
<p>PO Box 150, Orewa 0946 Ground Floor Eian House, 19 Tamamiki Ave, Orewa Ph 09 426 5702 Fax 09 426 9669 www.hc.co.nz</p>		
<p>PROJECT</p> <p>RAHOPARA FARMS LTD PROPOSED SUBDIVISION AT 1158 WERANUI ROAD WAINUI</p>		
<p>DRAWING TITLE</p> <p>PROPOSED CUT & FILL PLAN</p>		
SCALE	DATE	
1:1500 @ A3	APRIL 2013	
DRAWN	DRG No.	
DC	A3 - 14136 R/04	
REV		



LOT 5
32.4ha

FENCE

EXISTING FORD

LOT 4
1.8ha

EXISTING CROSSING

PROVIDE 4 FLOOD
MARKERS ON THE
CORNERS OF THE FORD

LOT 2
1.8ha

PROPOSED 3m WIDE
METAL RIGHT OF WAY




LOT 3
1.6ha

LOT 1
1.1ha

PROPOSED NEW VEHICLE
CROSSING WITH 300mmØ
RCRRJ CLASS 4 CULVERT

PROPOSED UPGRADE OF EXISTING
VEHICLE CROSSING

LEGEND

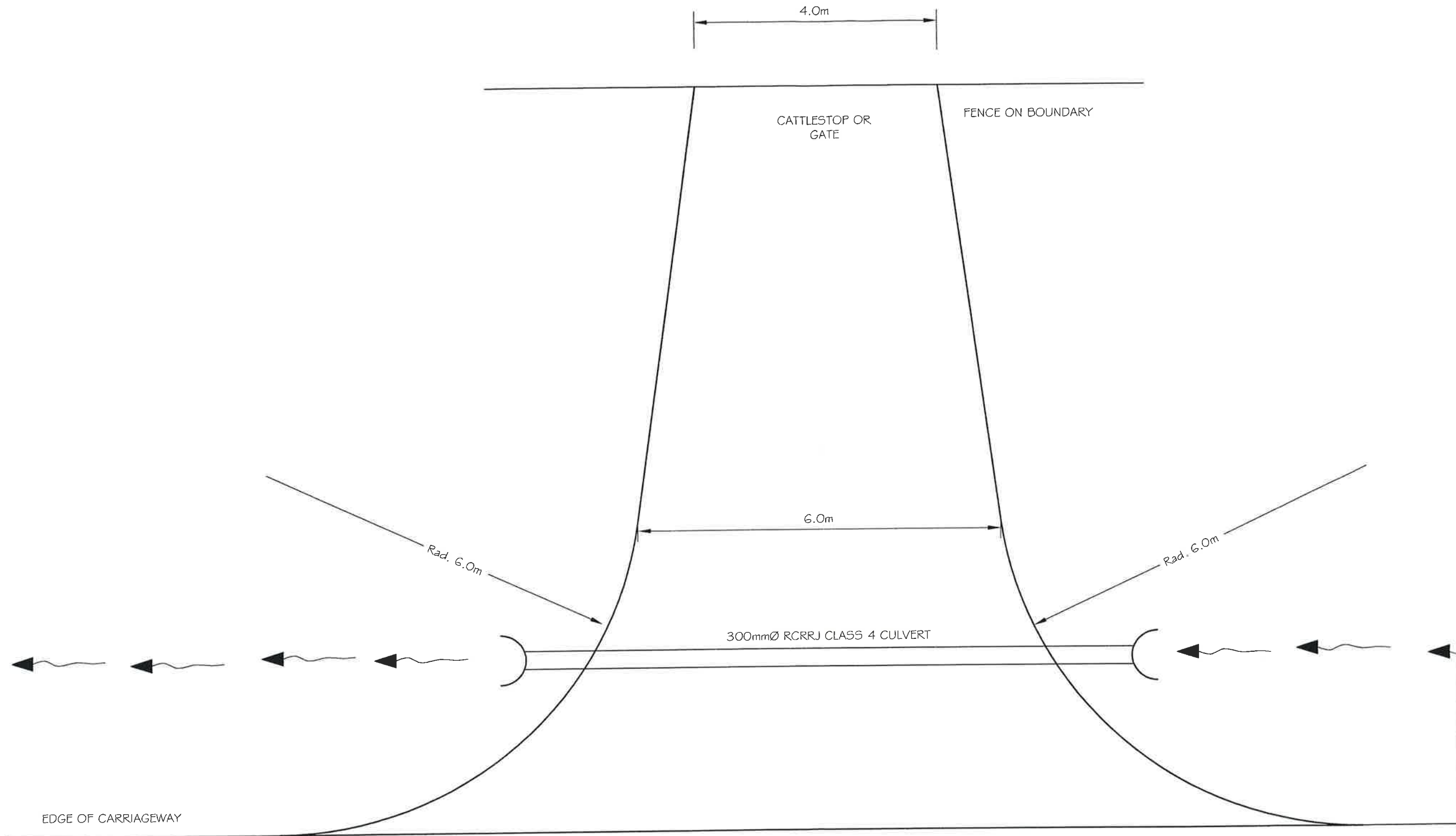
-  PROPOSED SILT FENCE OR
DECANTING EARTH BUND
-  PROPOSED CONCRETE
ROW
-  PROPOSED METAL ROW

NOTE:
ALL LEVELS RELATE TO L&S DATUM.
ALL AREAS SUBJECT TO FINAL SURVEY.



REV.	DATE	ITEM
The Design and Drawings shown on this sheet remain the Copyright of Ian Hutchinson Consultants Limited, and are not to be reproduced without their written Authority.		
DO NOT SCALE IF IN DOUBT -- ASK		
 Hutchinson CONSULTING ENGINEERS		
PO Box 150, Orewa 0946 Ground Floor Elan House, 19 Tamaki Ave, Orewa Ph: 09 426 5702 Fax: 09 426 9669 www.hc.co.nz		
PROJECT RAHOPARA FARMS LTD PROPOSED SUBDIVISION AT 1158 WERANUI ROAD WAINUI		
DRAWING TITLE PROPOSED SILT CONTROL		
SCALE 1:1000 @ A3	DATE APRIL 2013	
DRAWN DC	DRG No.	
REV	A3 - 14136 R/05	

RDC 21210



RURAL ACCESS

RDC 21210

NOTE:
ALL LEVELS RELATE TO L & S DATUM.
ALL AREAS SUBJECT TO FINAL SURVEY

COUNCIL

File.....*59000*.....

Engineering Plans
and Specifications

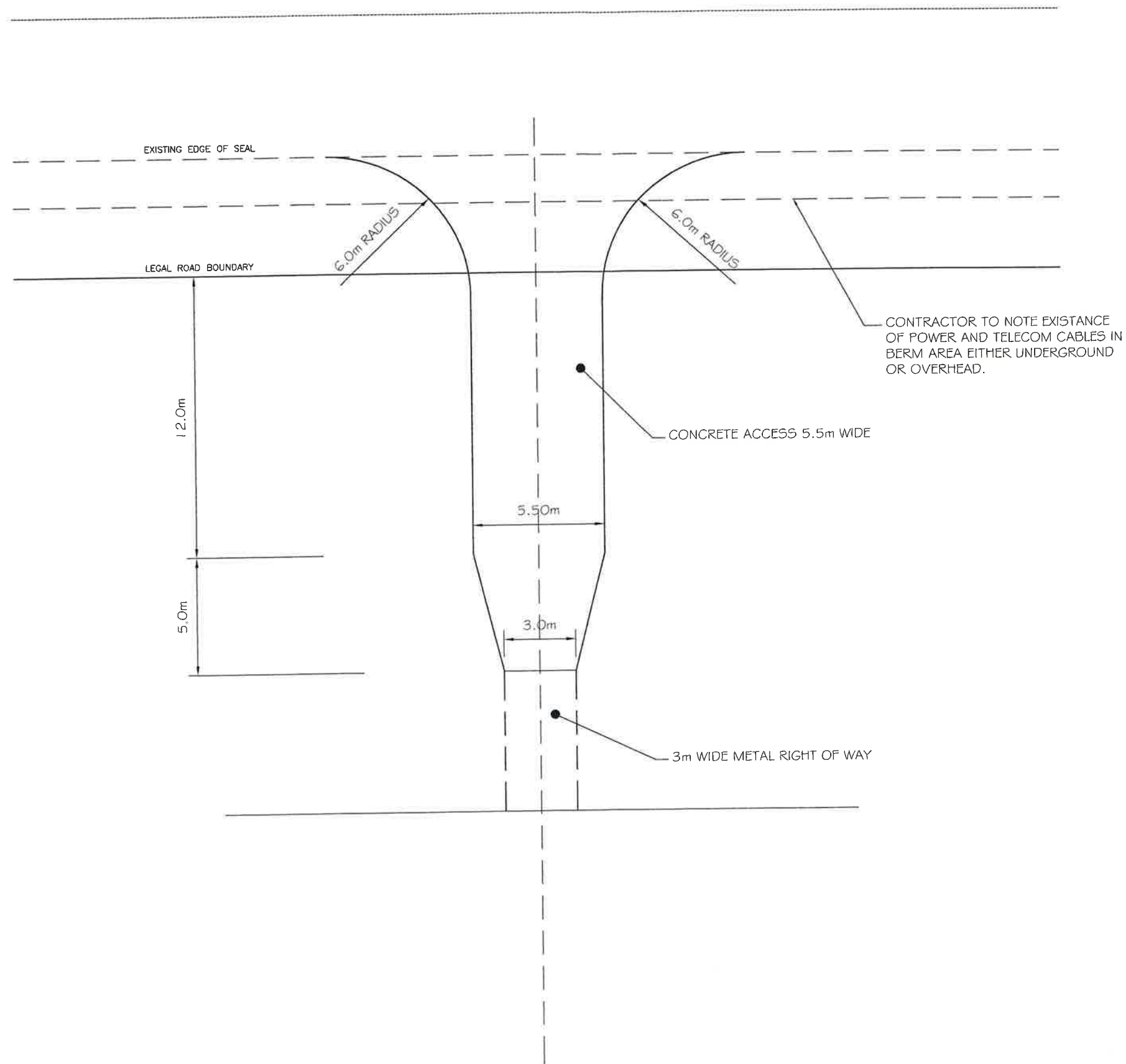
APPROVED

Subject to notations
in red and letter

L. He
Development Engineer

1/5/13
Date

REV.	DATE	ITEM
<p>The Design and Drawings shown on this sheet remain the Copyright of Ian Hutchinson Consultants Limited, and are not to be reproduced without their written Authority.</p> <p>DO NOT SCALE IF IN DOUBT -- ASK</p> <p>Hutchinson CONSULTING ENGINEERS</p> <p>PO Box 150, Orewa 0946 154 Centreway Road, Orewa, Auckland Ph: 09 426 5702 Fax: 09 426 9669 www.hc.co.nz</p> <p>PROJECT RAHOPARA FARMS LTD PROPOSED SUBDIVISION AT 1158 WERANUI ROAD KAUKAPAKAPA</p> <p>DRAWING TITLE PROPOSED CROSSING LOT 1 & 2</p>		
SCALE 1:50 @ A3	DATE APRIL 2013	
DRAWN DC	DRG No.	
REV -	A3 - 14136 E/06	

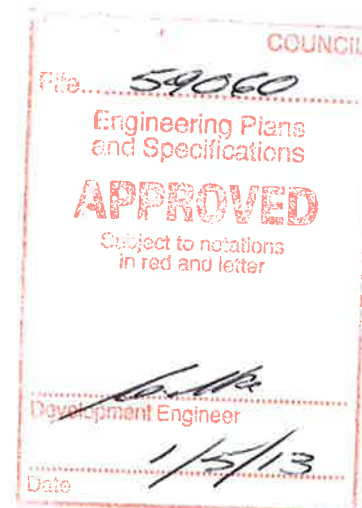


TYPICAL ROW ENTRANCE DETAIL

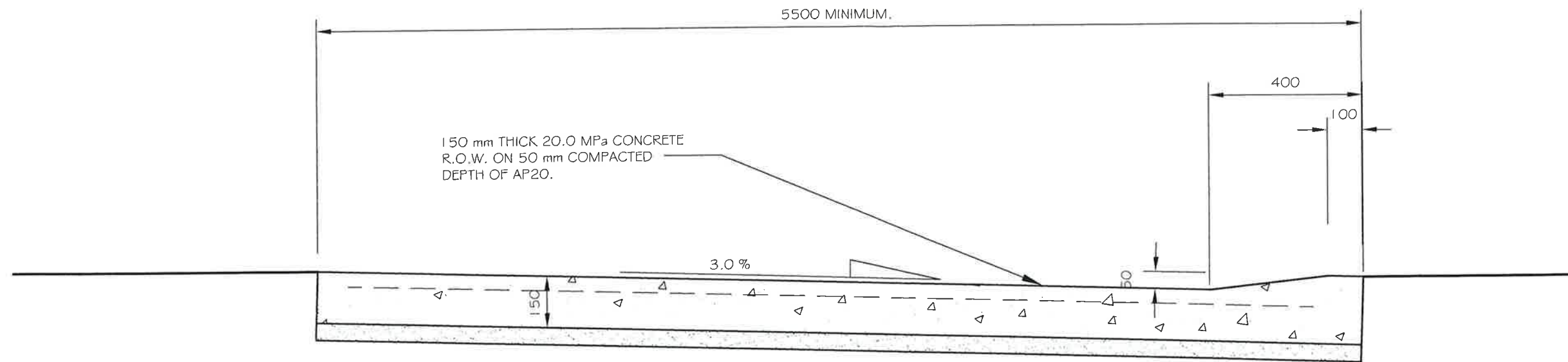
RDC 21210

NOTE:

ALL LEVELS RELATE TO L & S DATUM.
ALL AREAS SUBJECT TO FINAL SURVEY

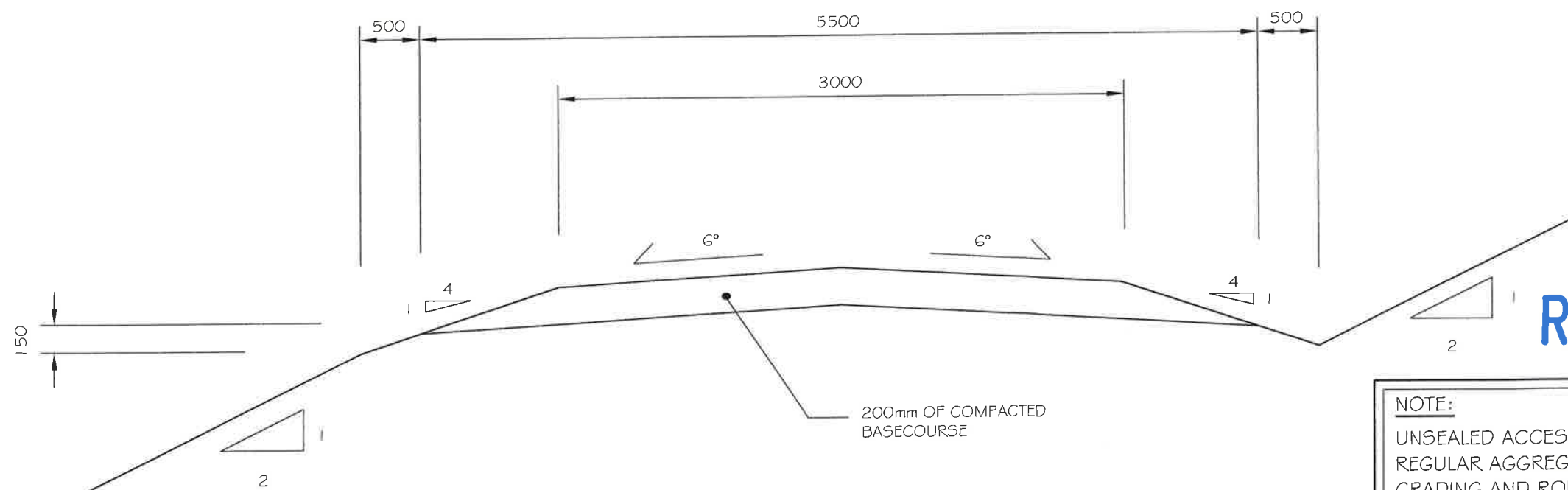


REV	DATE	ITEM
<p>The Design and Drawings shown on this sheet remain the Copyright of Ian Hutchinson Consultants Limited, and are not to be reproduced without their written Authority.</p> <p>DO NOT SCALE IF IN DOUBT -- ASK</p> <p>Hutchinson CONSULTING ENGINEERS</p> <p>PO Box 150, Orewa 0946 154 Centreway Road, Orewa, Auckland Ph: 09 426 5702 Fax: 09 426 9669 www.hc.co.nz</p> <p>PROJECT RAHOPARA FARMS LTD PROPOSED SUBDIVISION AT 1158 WERANUI ROAD KAUKAPAKAPA</p> <p>DRAWING TITLE PROPOSED RURAL CROSSING</p>		
SCALE 1:200 @ A3	DATE APRIL 2013	
DRAWN DC	DRG No.	
REV		A3 - 14136 E/07



NOTE: PROVIDE SAWCUTS AT 3m CENTRES
IN BOTH DIRECTIONS

TYPICAL RIGHT OF WAY X-SECTION



TYPICAL ROW CROSS-SECTIONS

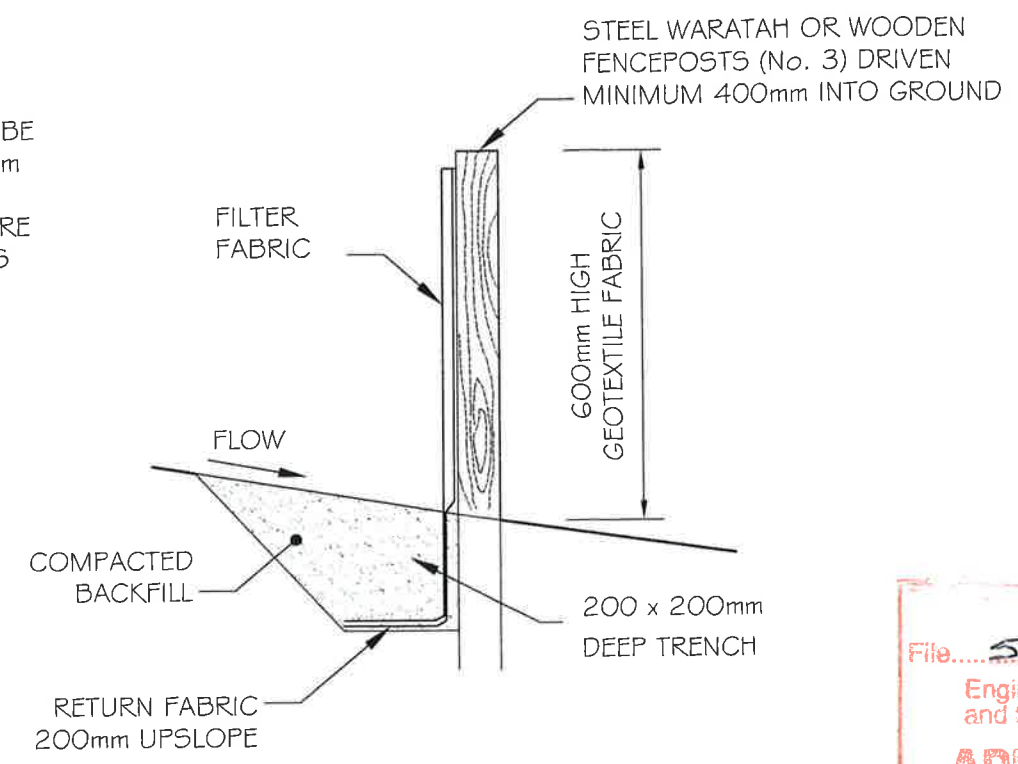
NOTE:
ALL LEVELS RELATE TO L & S DATUM.
ALL AREAS SUBJECT TO FINAL SURVEY

NOTE:
UNSEALED ACCESSWAY WILL REQUIRE
REGULAR AGGREGATE REPLENISHMENT,
GRADING AND ROLLING BY OWNER
ESPECIALLY AFTER PERIODS OF RAIN.
HEAVY TRANSPORT TRAFFIC WILL
REQUIRE A GREATER DEPTH OF AGGREGATE.

RDC 21210

REV.	DATE	ITEM
The Design and Drawings shown on this sheet remain the Copyright of Ian Hutchinson Consultants Limited, and are not to be reproduced without their written Authority.		
DO NOT SCALE IF IN DOUBT -- ASK		
Hutchinson CONSULTING ENGINEERS		
PO Box 150, Orewa 0946 154 Centreway Road, Orewa, Auckland Ph: 09 426 5702 Fax: 09 426 9669 www.hc.co.nz		
PROJECT RAHOPARA FARMS LTD PROPOSED SUBDIVISION AT 1158 WERANUI ROAD KAUKAPAKAPA		
DRAWING TITLE PROPOSED METAL ROW		
SCALE	DATE	
NTS	APRIL 2013	
DRAWN	DRG No.	
DC	A3 - 14136 E/08	
REV		

NOTE: POST SPACING CAN BE INCREASED FROM 2m TO 4m IF SUPPORTED BY A 2.5mm DIAMETER HIGH TENSILE WIRE ALONG THE TOP WITH CLIPS EVERY 200mm.



SILT FENCE
N.T.S.

COUNCIL

File... **59060**

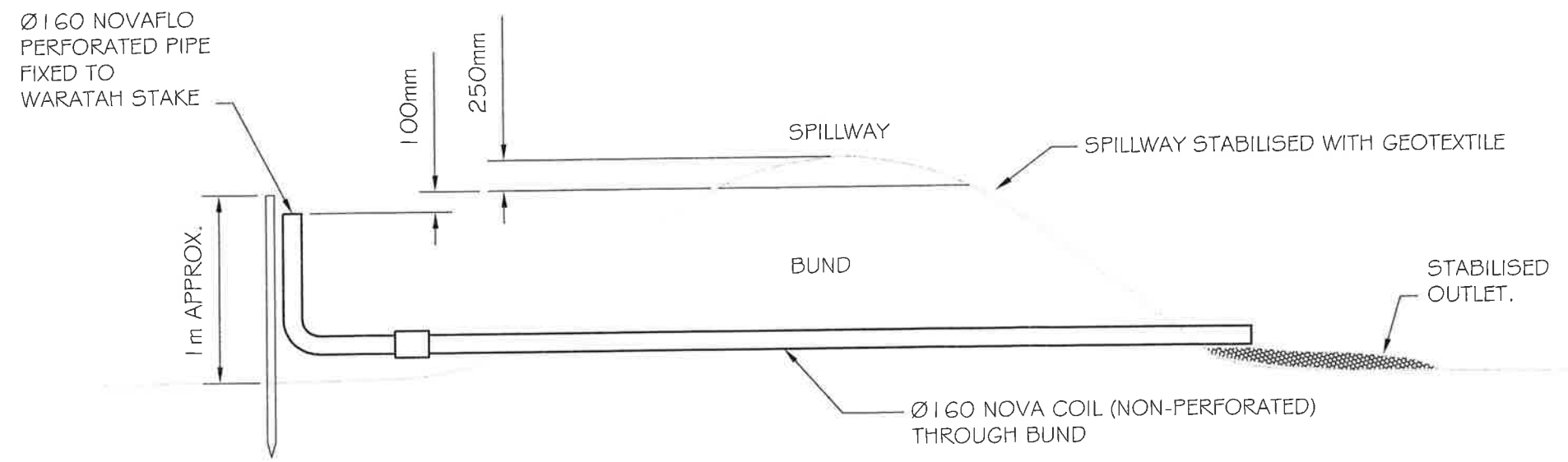
Engineering Plans and Specifications

APPROVED

Subject to notations in red and letter

[Signature]
Development Engineer

Date *1/5/13*



DEWATERING DEVICE FOR SMALL BUNDS
N.T.S

RDC 21210

NOTE:
ALL LEVELS RELATE TO L & S DATUM.
ALL AREAS SUBJECT TO FINAL SURVEY

REV.	DATE	ITEM
<p>The Design and Drawings shown on this sheet remain the Copyright of Ian Hutchinson Consultants Limited, and are not to be reproduced without their written Authority.</p> <p>DO NOT SCALE IF IN DOUBT -- ASK</p> <p>Hutchinson CONSULTING ENGINEERS</p> <p>PO Box 150, Orewa 0946 154 Centreway Road, Orewa, Auckland Ph: 09 426 5702 Fax: 09 426 9669 www.hc.co.nz</p> <p>PROJECT RAHOPARA FARMS LTD PROPOSED SUBDIVISION AT 1158 WERANUI ROAD KAUKAPAKAPA</p> <p>DRAWING TITLE PROPOSED SILT CONTROL DETAILS</p>		
SCALE NTS	DATE APRIL 2013	
DRAWN DC	DRG No.	
REV	A3 - 14136 E/09	