

# SH16 LIMITED ASBUILT 18 LOT RURAL SUBDIVISION KAIPARA COAST HIGHWAY KAUKAPAKAPA R40339



Ground Floor Elan House  
19 Tamariki Ave  
Orewa  
Telephone (09) 426-5702  
Fax (09) 426-9669

**HUTCHINSON CONSULTANTS**  
Civil & Structural Consulting Engineers

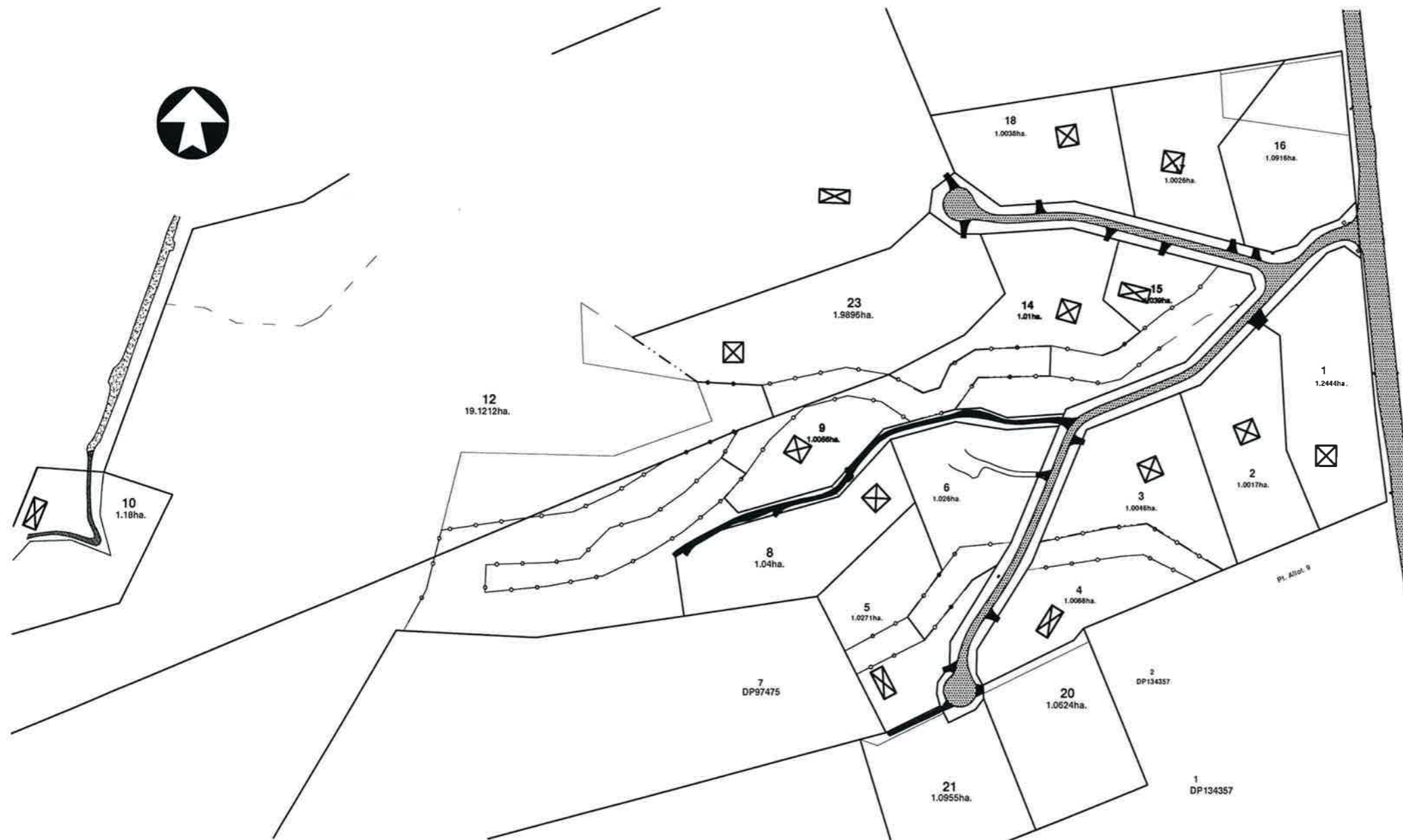


P.O. Box 150  
Orewa  
Auckland

A/H (09) 422 9640  
Mobile 021 924 287  
Email info@hc.co.nz

## DRAWINGS:

- 01a COVER
- 02a EXISTING CONTOUR PLAN
- 03 ASBUILT CONTOUR PLAN
- 04 ASBUILT CUT/FILL DEPTH CONTOURS
- 05 ASBUILT ROADING PLAN 1
- 06a ASBUILT ROADING PLAN 2
- 07a ASBUILT ALPINE ROAD PLAN
- 08a LOT 10 ASBUILT PLANS
- 09a TYPICAL ROAD CROSS-SECTIONS



NOTE:  
KAIPARA COAST HIGHWAY ASBUILT PLANS  
SUBMITTED UNDER SEPERATE DRAWING SET.

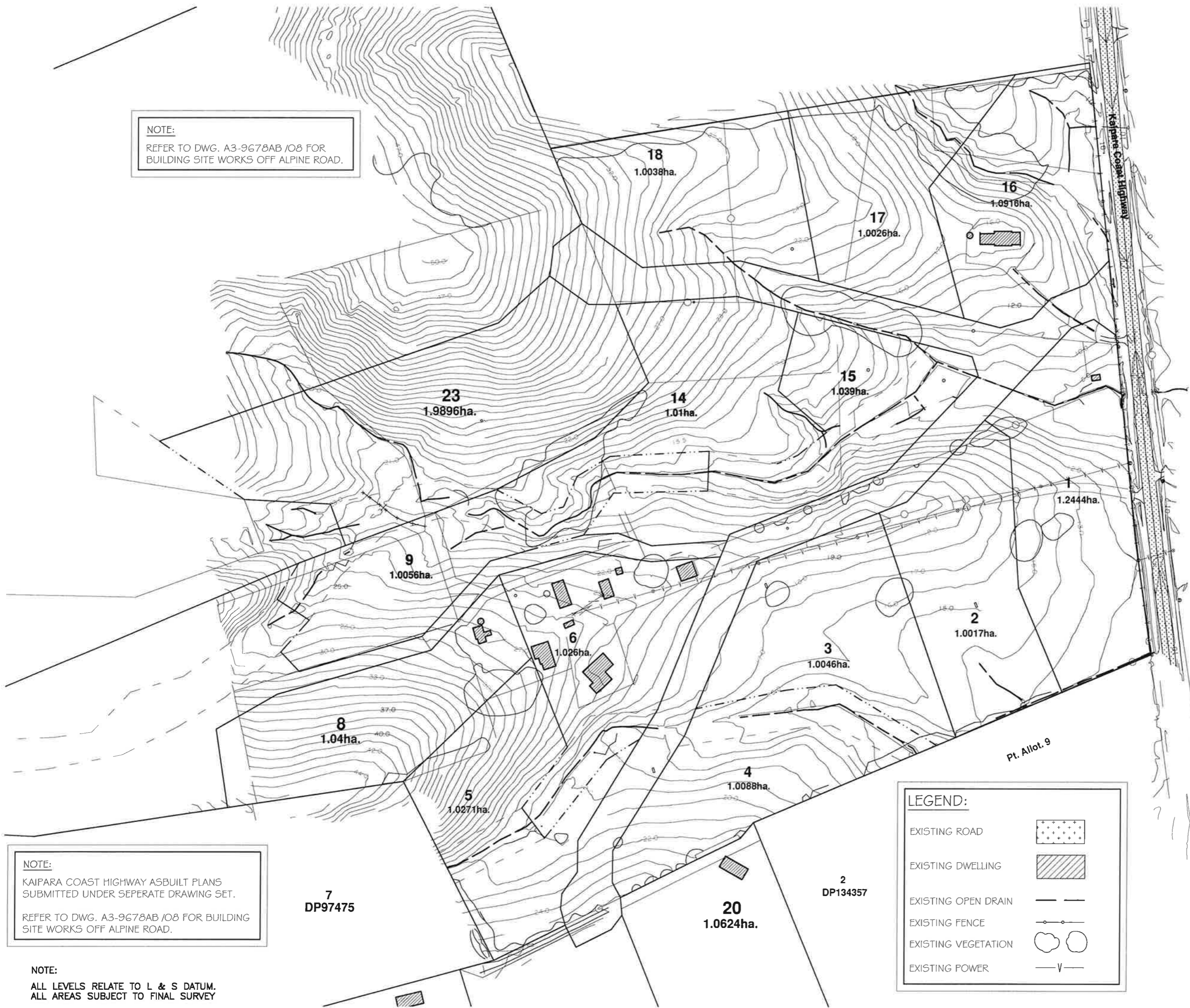


**LOCALITY PLAN**

**A3 - 9678AB/ 01a**



NOTE:  
REFER TO DWG. A3-9678AB /08 FOR BUILDING SITE WORKS OFF ALPINE ROAD.



NOTE:  
KAIPARA COAST HIGHWAY ASBUILT PLANS SUBMITTED UNDER SEPERATE DRAWING SET.  
REFER TO DWG. A3-9678AB /08 FOR BUILDING SITE WORKS OFF ALPINE ROAD.

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

**LEGEND:**

EXISTING ROAD	
EXISTING DWELLING	
EXISTING OPEN DRAIN	
EXISTING FENCE	
EXISTING VEGETATION	
EXISTING POWER	

REV.	DATE	ITEM
A.	24.11.08	TEXT CLASH
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Ground Floor Elan House 19 Tamariki Ave P.O. Box 150 Orewa Auckland		
Telephone - (09) 426-5702 - Fax - (09) 426-8669		
PROJECT		
<b>SH 16 LTD.</b> 1153 KAIPARA COAST HIGHWAY KAUKAPAKAPA R40339		
DRAWING TITLE		
<b>EXISTING CONTOUR AND FEATURES PLAN</b>		
SCALE	DATE	
1:2000 @ A3	JUNE 2008	
DRAWN	DRG No.	
COLIN DRYLAND colin@hc.co.nz	<b>A3 - 9678AB /02a</b>	



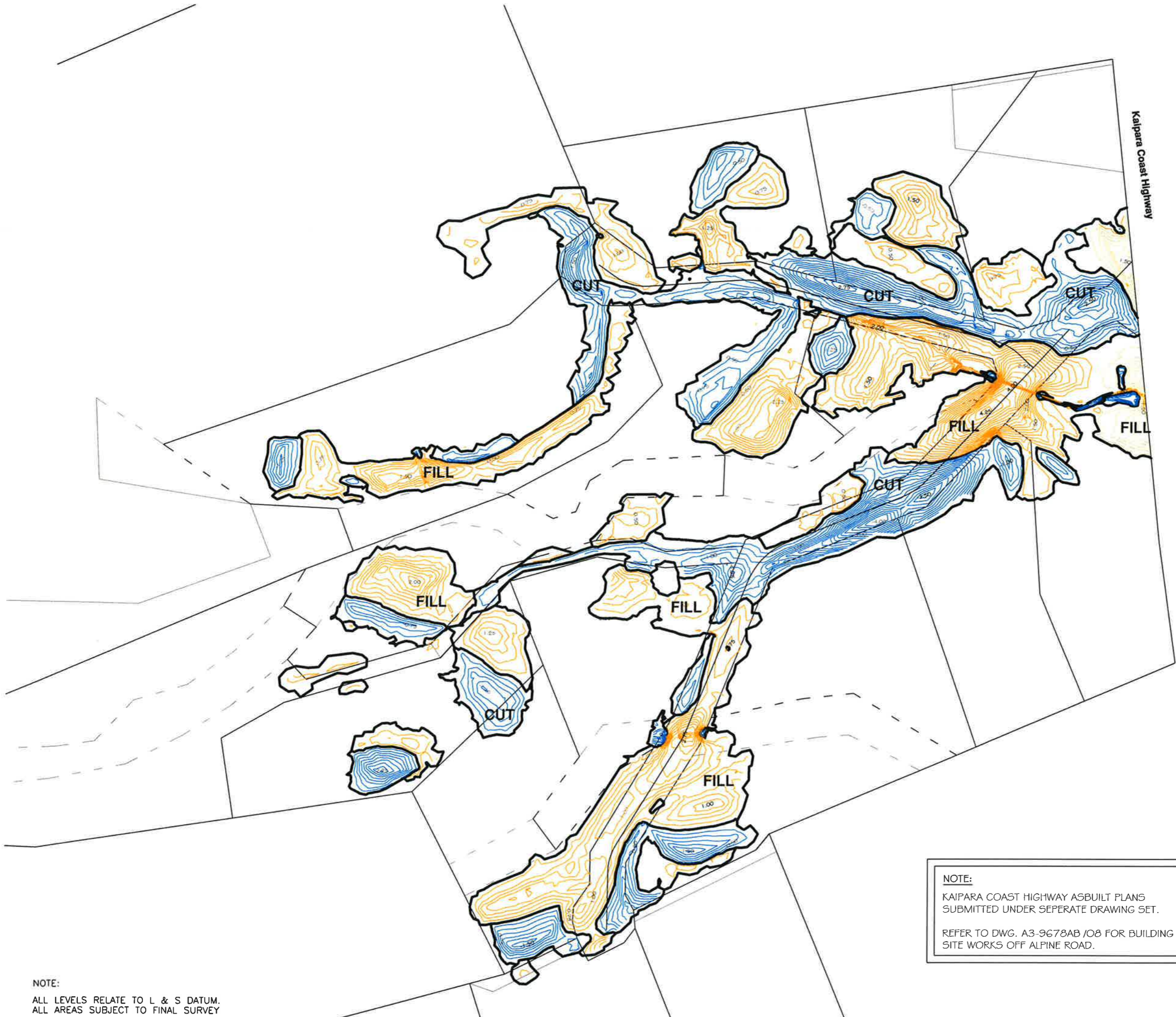
NOTE:  
 ALL LEVELS RELATE TO L & S DATUM.  
 ALL AREAS SUBJECT TO FINAL SURVEY

**LEGEND:**



 BUILDING PLATFORM LOCATION

**NOTE:**  
 KAIPARA COAST HIGHWAY ASBUILT PLANS  
 SUBMITTED UNDER SEPERATE DRAWING SET,  
 REFER TO DWG. A3-9678AB /08 FOR BUILDING  
 SITE WORKS OFF ALPINE ROAD.

REV.	DATE	ITEM
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<p>PROJECT  <b>SH 16 LTD.</b>  <b>1153 KAIPARA COAST HIGHWAY</b>  <b>KAUKAPAKAPA</b>  <b>R40339</b></p>		
<p>DRAWING TITLE  <b>ASBUILT CONTOUR PLAN</b></p>		
SCALE	DATE	
1:2000 @ A3	JUNE 2008	
DRAWN	DRG No.	
COLIN DRYLAND colin@hc.co.nz	<b>A3 - 9678AB /03</b>	



**VOLUMES:**

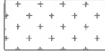





	<b>FILL</b> 18,800m <sup>3</sup>
	<b>CUT</b> 28,900m <sup>3</sup>

**NOTE:**  
 KAIPARA COAST HIGHWAY ASBUILT PLANS  
 SUBMITTED UNDER SEPERATE DRAWING SET.  
 REFER TO DWG. A3-9678AB /08 FOR BUILDING  
 SITE WORKS OFF ALPINE ROAD.

**NOTE:**  
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 ALL AREAS SUBJECT TO FINAL SURVEY

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<p>PROJECT  <b>SH 16 LTD.</b>          1153 KAIPARA COAST HIGHWAY          KAUKAPAKAPA          R40339</p>		
<p>DRAWING TITLE  <b>ASBUILT CUT TO FILL DEPTH          CONTOUR PLAN</b></p>		
SCALE 1:2000 @ A3	DATE JUNE 2008	
DRAWN COLIN DRYLAND colin@hc.co.nz	DRG No. <b>A3 - 9678AB /04</b>	

**LEGEND:**

-  EXISTING ROAD
-  ASBUILT SEALED ROAD
-  ASBUILT CONCRETE DRIVEWAY
-  ASBUILT METAL DRIVEWAY
-  ASBUILT GRASS SWALE
-  ASBUILT FENCE

**NOTE:**

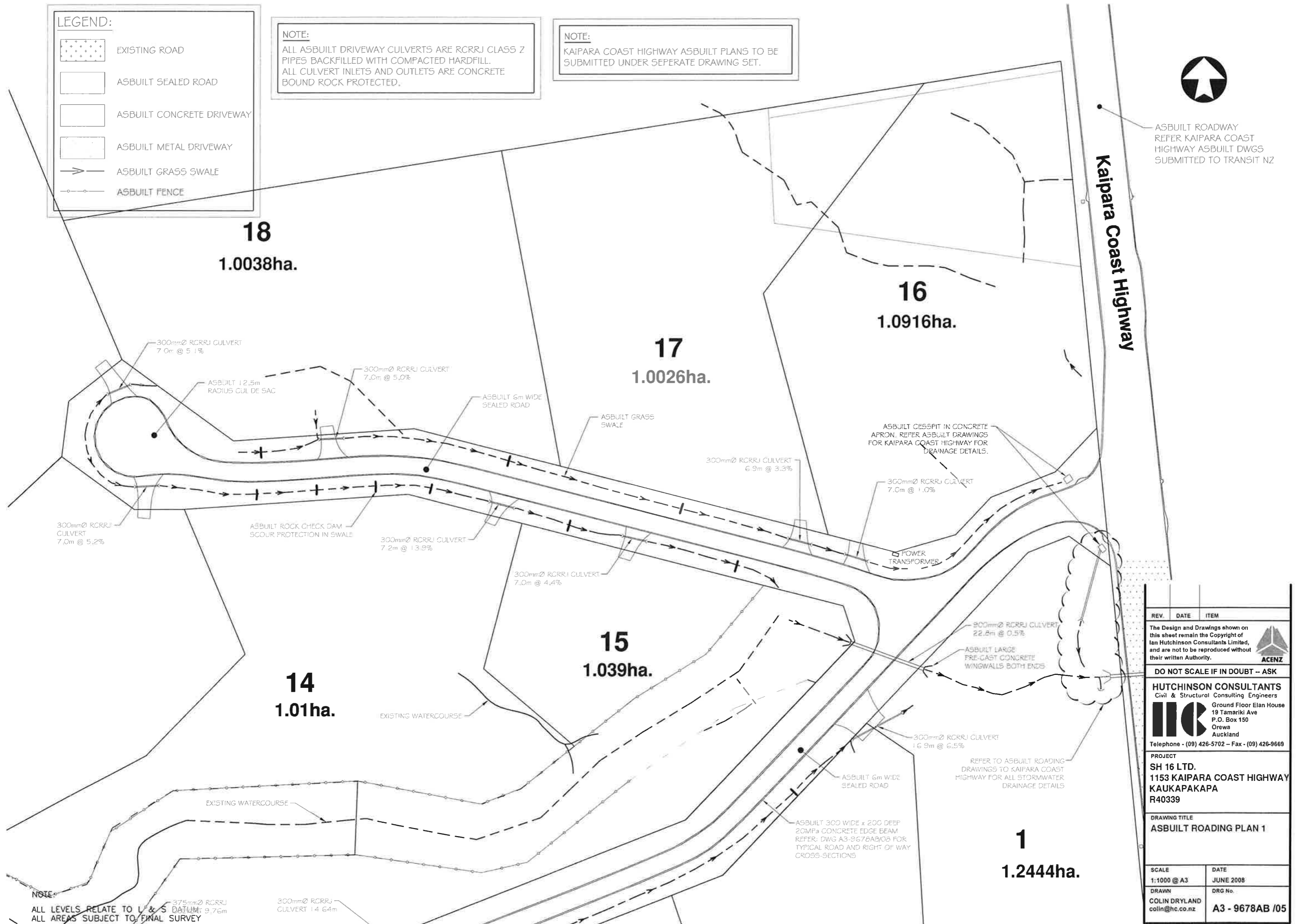
ALL ASBUILT DRIVEWAY CULVERTS ARE RCRRJ CLASS 2 PIPES BACKFILLED WITH COMPACTED HARDFILL. ALL CULVERT INLETS AND OUTLETS ARE CONCRETE BOUND ROCK PROTECTED.

**NOTE:**

KAIPARA COAST HIGHWAY ASBUILT PLANS TO BE SUBMITTED UNDER SEPERATE DRAWING SET.

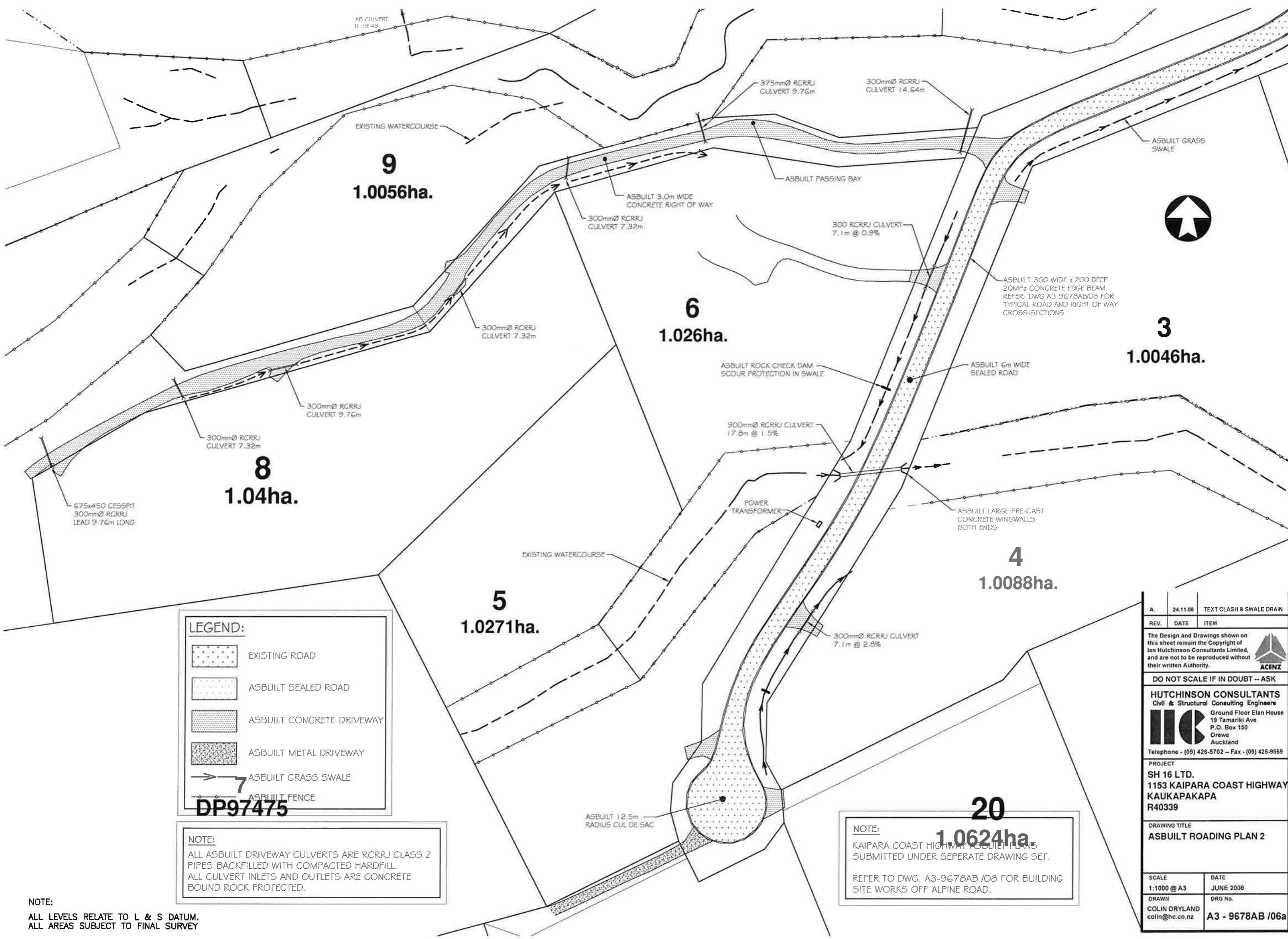


ASBUILT ROADWAY REFER KAIPARA COAST HIGHWAY ASBUILT DWGS SUBMITTED TO TRANSIT NZ



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<p>PROJECT <b>SH 16 LTD.</b> 1153 KAIPARA COAST HIGHWAY KAUKAPAKAPA R40339</p>		
<p>DRAWING TITLE <b>ASBUILT ROADING PLAN 1</b></p>		
SCALE 1:1000 @ A3	DATE JUNE 2008	
DRAWN COLIN DRYLAND collin@hc.co.nz	DRG No. <b>A3 - 9678AB /05</b>	

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



**9**  
1.0056ha.

**6**  
1.026ha.

**3**  
1.0046ha.

**8**  
1.04ha.

**5**  
1.0271ha.

**4**  
1.0088ha.

**20**  
1.0624ha.

**LEGEND:**

- EXISTING ROAD
- ASBUILT SEALED ROAD
- ASBUILT CONCRETE DRIVEWAY
- ASBUILT METAL DRIVEWAY
- ASBUILT GRASS SWALE
- ASBUILT FENCE

**DP97475**

**NOTE:**  
ALL ASBUILT DRIVEWAY CULVERTS ARE RCRRJ CLASS 2 PIPES BACKFILLED WITH COMPACTED HARDFILL.  
ALL CULVERT INLETS AND OUTLETS ARE CONCRETE BOUND ROCK PROTECTED.

**NOTE:**  
KAIPARA COAST HIGHWAY ASBUILT PLANS SUBMITTED UNDER SEPERATE DRAWING SET.  
REFER TO DWG. A3-9678AB /08 FOR BUILDING SITE WORKS OFF ALPINE ROAD.

**NOTE:**  
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REV.	DATE	ITEM
A.	24.11.08	TEXT CLASH & SWALE DRAIN

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**ACENZ**

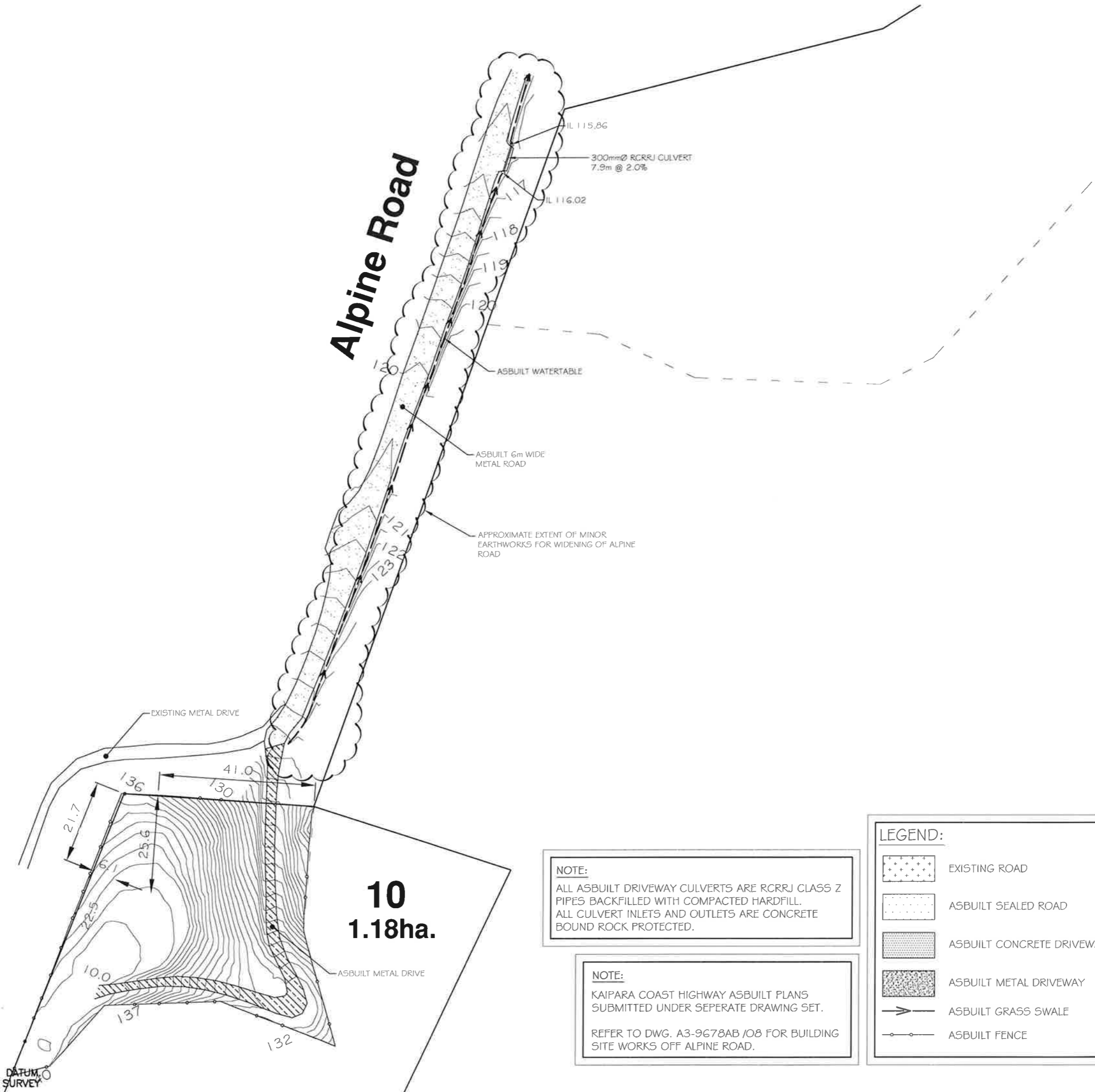
**DO NOT SCALE IF IN DOUBT -- ASK**

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**PROJECT**  
SH 16 LTD.  
1153 KAIPARA COAST HIGHWAY  
KAUKAPAKAPA  
R40339

**DRAWING TITLE**  
ASBUILT ROADING PLAN 2

SCALE	DATE
1:1000 @ A3	JUNE 2008
DRAWN	DRG No.
COLIN DRYLAND colin@hc.co.nz	A3 - 9678AB /06a



NOTE:  
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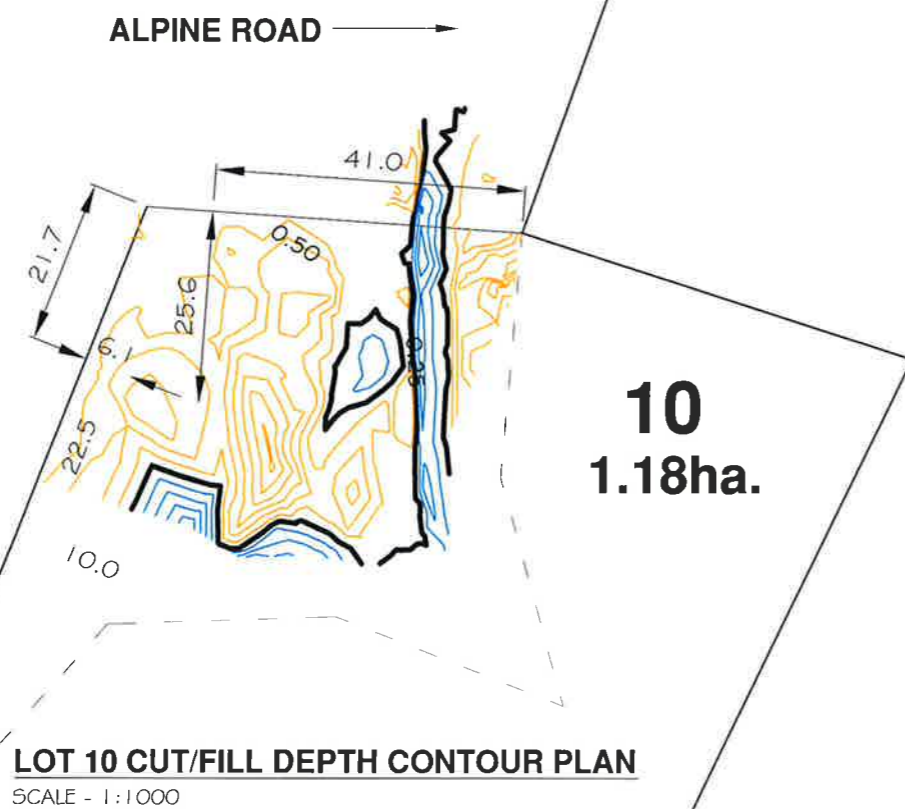
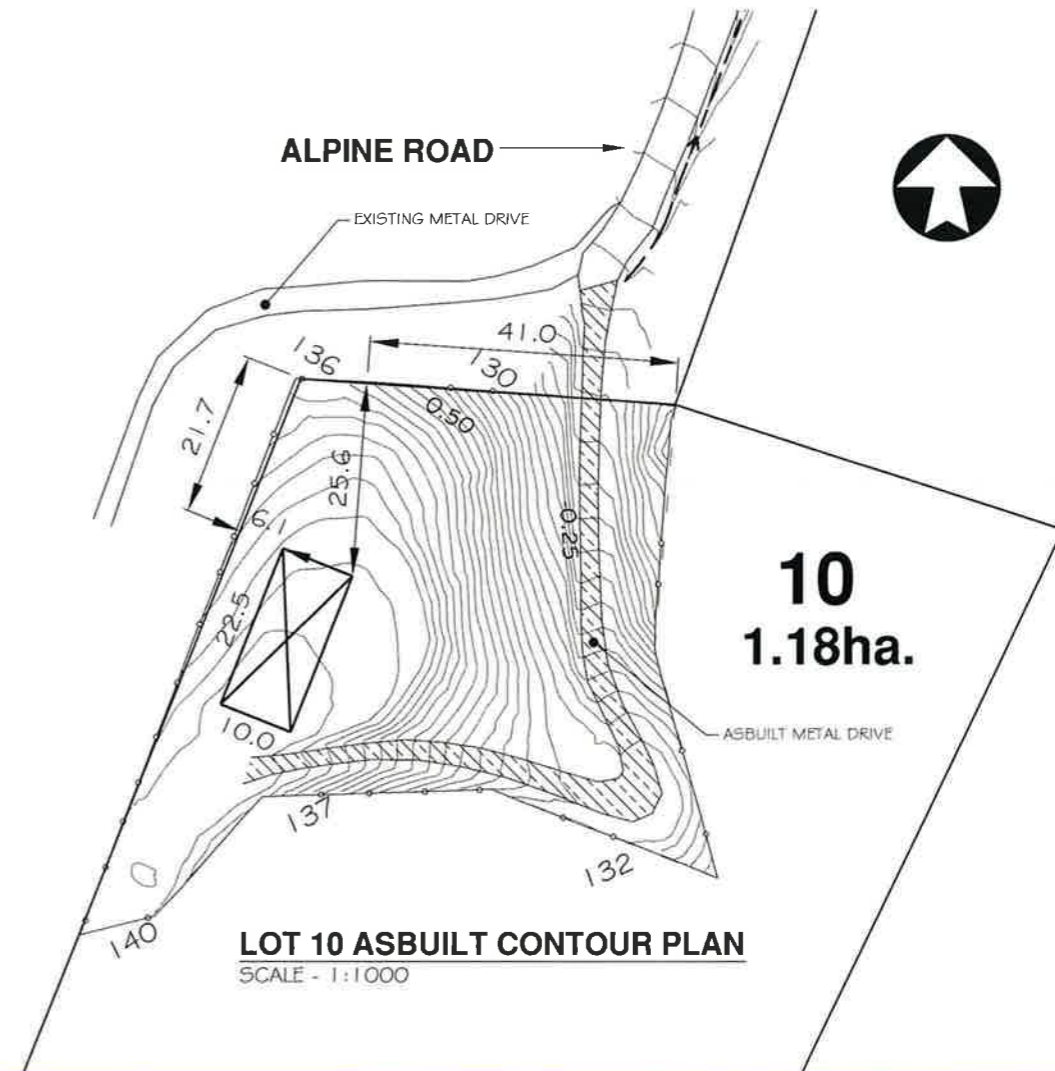
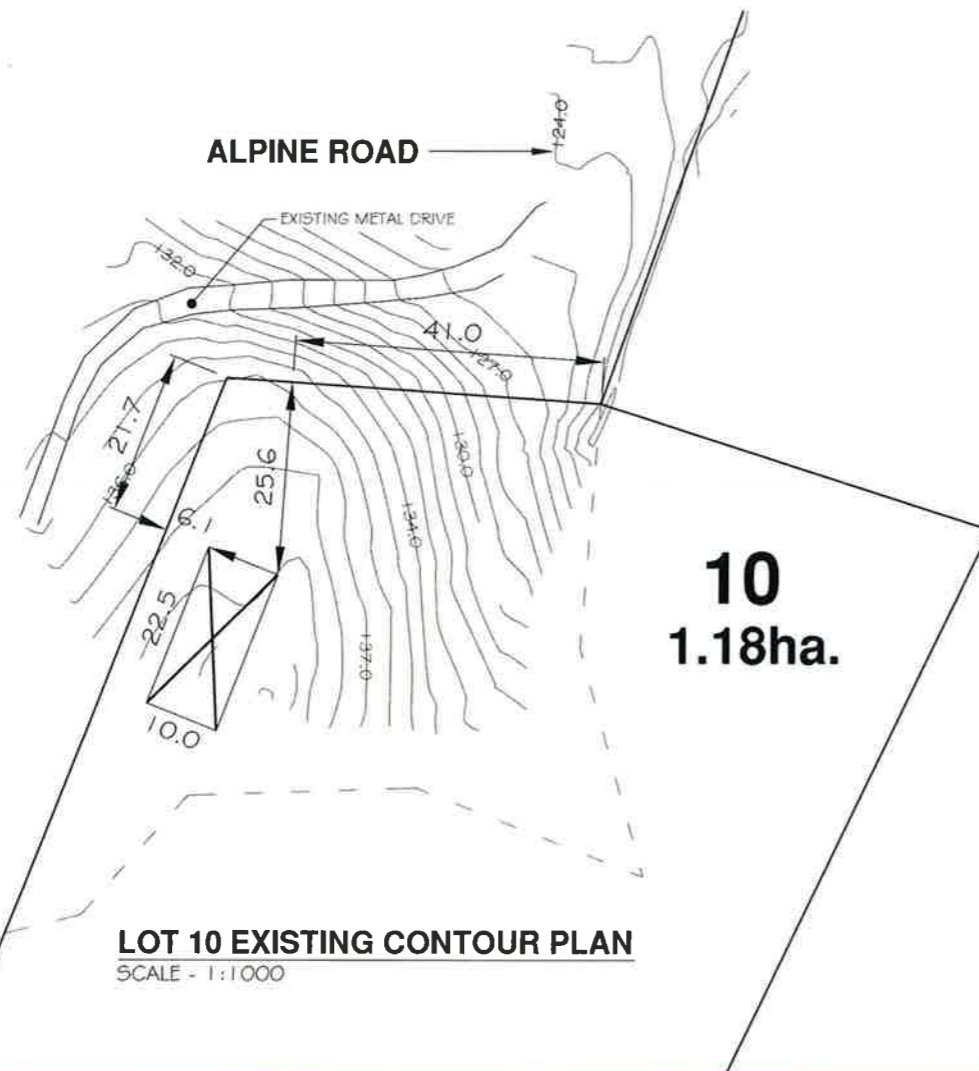
NOTE:  
ALL ASBUILT DRIVEWAY CULVERTS ARE RCRRJ CLASS Z PIPES BACKFILLED WITH COMPACTED HARDFILL. ALL CULVERT INLETS AND OUTLETS ARE CONCRETE BOUND ROCK PROTECTED.

NOTE:  
KAIPARA COAST HIGHWAY ASBUILT PLANS SUBMITTED UNDER SEPERATE DRAWING SET.  
REFER TO DWG. A3-9678AB /08 FOR BUILDING SITE WORKS OFF ALPINE ROAD.

**LEGEND:**

- EXISTING ROAD
- ASBUILT SEALED ROAD
- ASBUILT CONCRETE DRIVEWAY
- ASBUILT METAL DRIVEWAY
- ASBUILT GRASS SWALE
- ASBUILT FENCE

A.	24.11.08	TEXT CLASH
REV.	DATE	ITEM
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<p>PROJECT <b>SH 16 LTD.</b> <b>1153 KAIPARA COAST HIGHWAY</b> <b>KAUKAPAKAPA</b> <b>R40339</b></p>		
<p>DRAWING TITLE <b>ASBUILT ALPINE ROAD PLAN</b></p>		
SCALE	DATE	
1:1000 @ A3	JUNE 2008	
DRAWN	DRG No.	
COLIN DRYLAND colin@hc.co.nz	<b>A3 - 9678AB /07a</b>	



**LEGEND:**

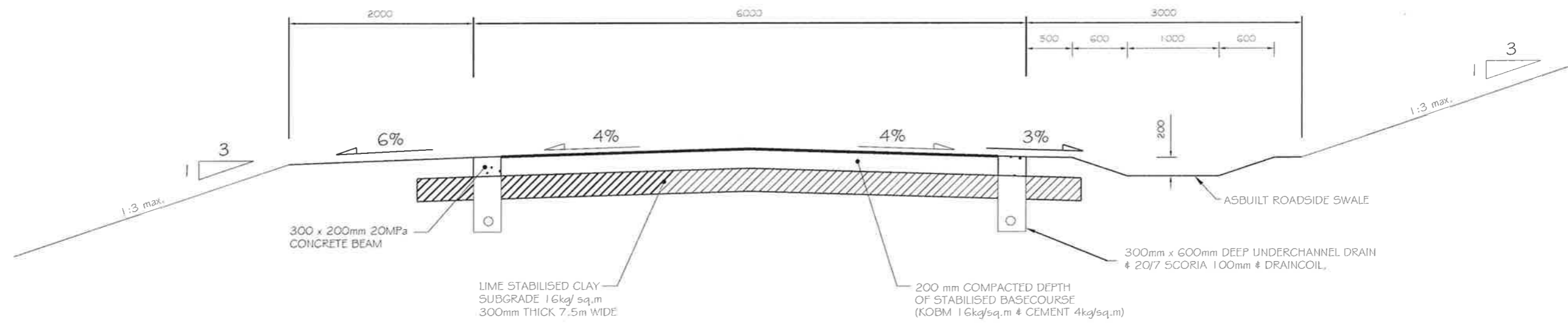
	EXISTING ROAD
	ASBUILT SEALED ROAD
	ASBUILT CONCRETE DRIVEWAY
	ASBUILT METAL DRIVEWAY
	ASBUILT GRASS SWALE
	ASBUILT FENCE

**NOTE:**  
 KAIPARA COAST HIGHWAY ASBUILT PLANS SUBMITTED UNDER SEPERATE DRAWING SET.  
 REFER TO DWG. A3-9678AB /08 FOR BUILDING SITE WORKS OFF ALPINE ROAD.

**NOTE:**  
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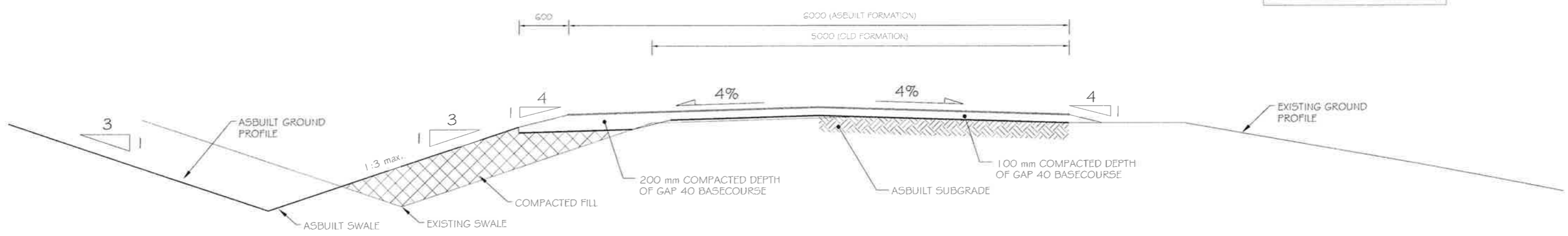
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<p>PROJECT  <b>SH 16 LTD.</b>  <b>1153 KAIPARA COAST HIGHWAY</b>  <b>KAUKAPAKAPA</b>  <b>R40339</b></p>		
<p>DRAWING TITLE  <b>LOT 10 ASBUILT PLANS</b></p>		
SCALE	DATE	
1:1000 @ A3	JUNE 2008	
DRAWN	DRG No.	
COLIN DRYLAND colin@hc.co.nz	A3 - 9678AB /08	

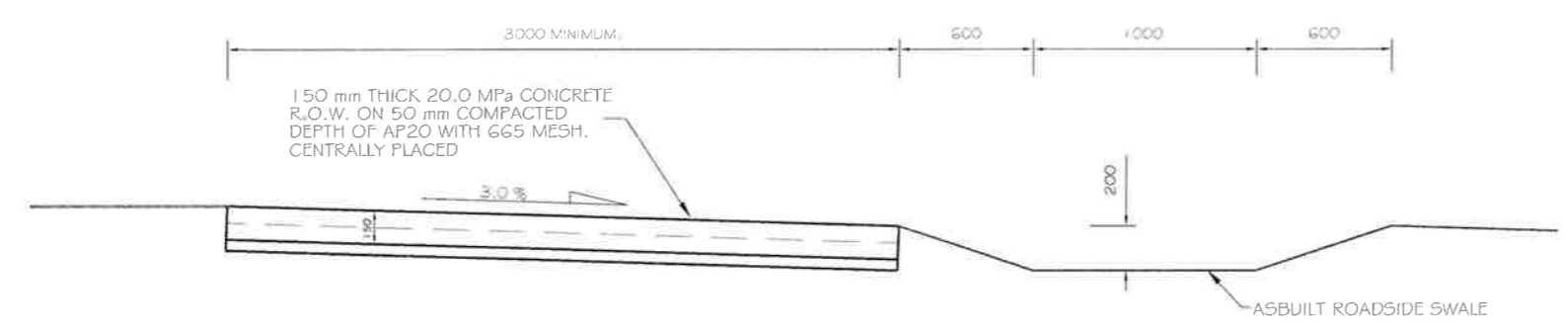


**TYPICAL ROAD CROSS-SECTION**  
SCALE 1:50 @ A3

**NOTE:**  
CROSS-SECTIONS SHOWN ARE TYPICAL ONLY. ASBUILT LEVELS, GROUND PROFILE & SWALES VARY ON SITE.



**TYPICAL ASBUILT ALPINE ROAD CROSS-SECTION**  
SCALE 1:50 @ A3



NOTE: SAWCUTS PROVIDED AT 3m CENTRES IN BOTH DIRECTIONS

**TYPICAL ASBUILT RIGHT OF WAY X-SECTION**  
SCALE 1:75 @ A3

REV.	DATE	ITEM
A.	24.11.08	NOTES REVISED / ADDED

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**ACENZ**

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Civil & Structural Consulting Engineers

**HC** Ground Floor Elan House  
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P.O. Box 150  
Orewa  
Auckland


Telephone - (09) 426-5702 - Fax - (09) 426-9669


PROJECT  
**SH 16 LTD.**  
1153 KAIPARA COAST HIGHWAY  
KAUKAPAKAPA  
R40339

DRAWING TITLE  
**ASBUILT TYPICAL ROAD & RIGHT OF WAY CROSS-SECTIONS**

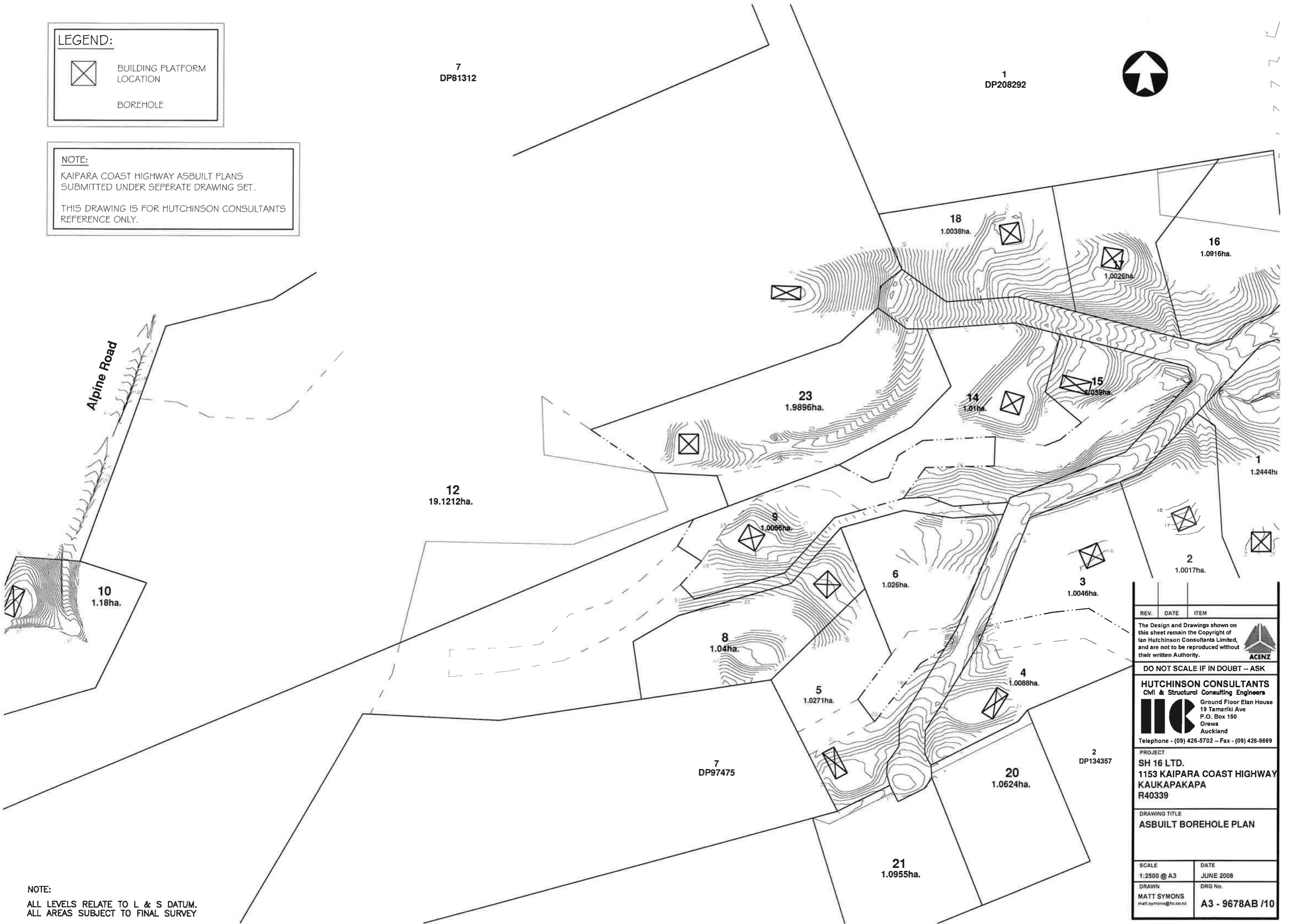
SCALE AS SHOWN @ A3	DATE JUNE 2008
DRAWN COLIN DRYLAND colln@hc.co.nz	DRG No. <b>A3 - 9678AB /09a</b>

**LEGEND:**

 BUILDING PLATFORM LOCATION

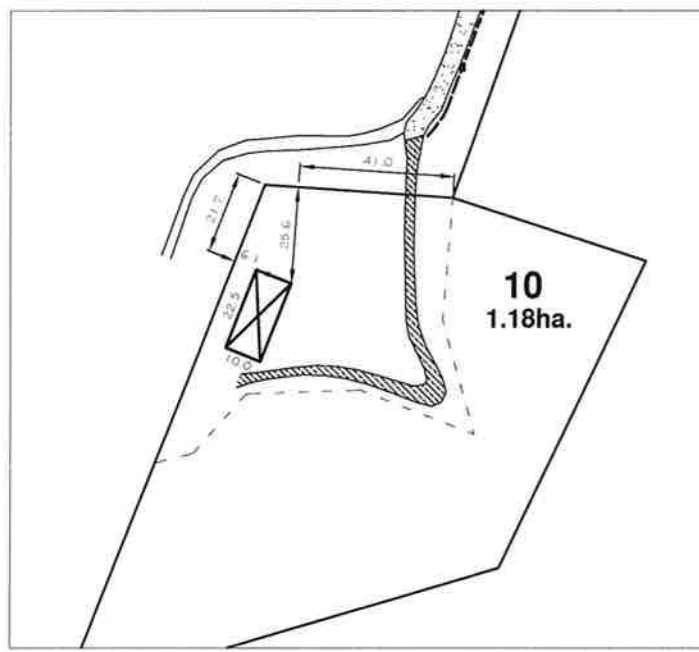
 BOREHOLE

**NOTE:**  
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 SUBMITTED UNDER SEPERATE DRAWING SET.  
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 REFERENCE ONLY.

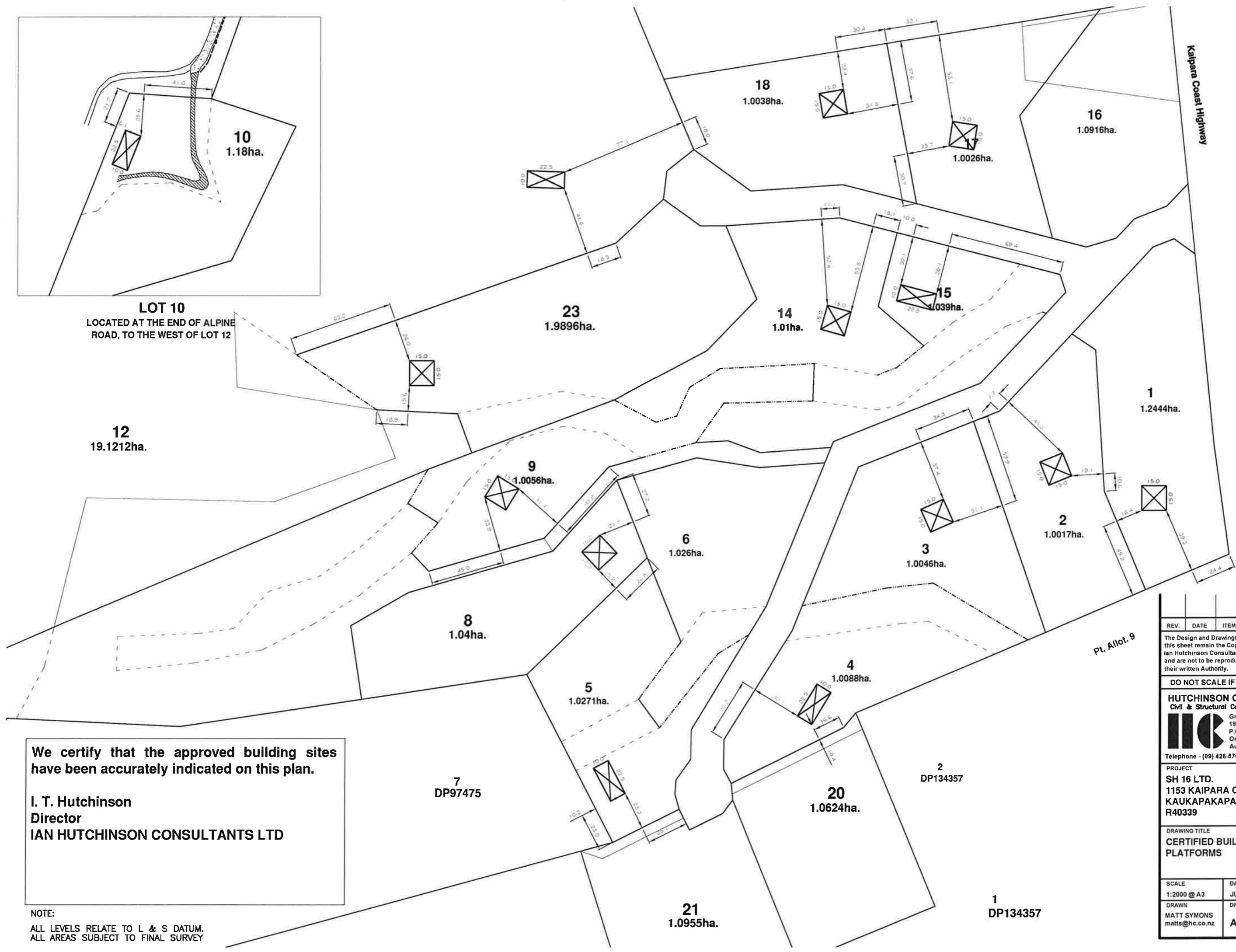


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<p>PROJECT  <b>SH 16 LTD.</b>          1153 KAIPARA COAST HIGHWAY          KAUKAPAKAPA          R40339</p>		
<p>DRAWING TITLE  <b>ASBUILT BOREHOLE PLAN</b></p>		
SCALE	DATE	
1:2500 @ A3	JUNE 2008	
DRAWN	DRG No.	
MATT SYMONS matt.symons@hc.co.nz	A3 - 9678AB /10	



**LOT 10**  
LOCATED AT THE END OF ALPINE ROAD, TO THE WEST OF LOT 12



**We certify that the approved building sites have been accurately indicated on this plan.**

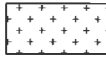




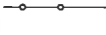

**I. T. Hutchinson**  
Director  
**IAN HUTCHINSON CONSULTANTS LTD**

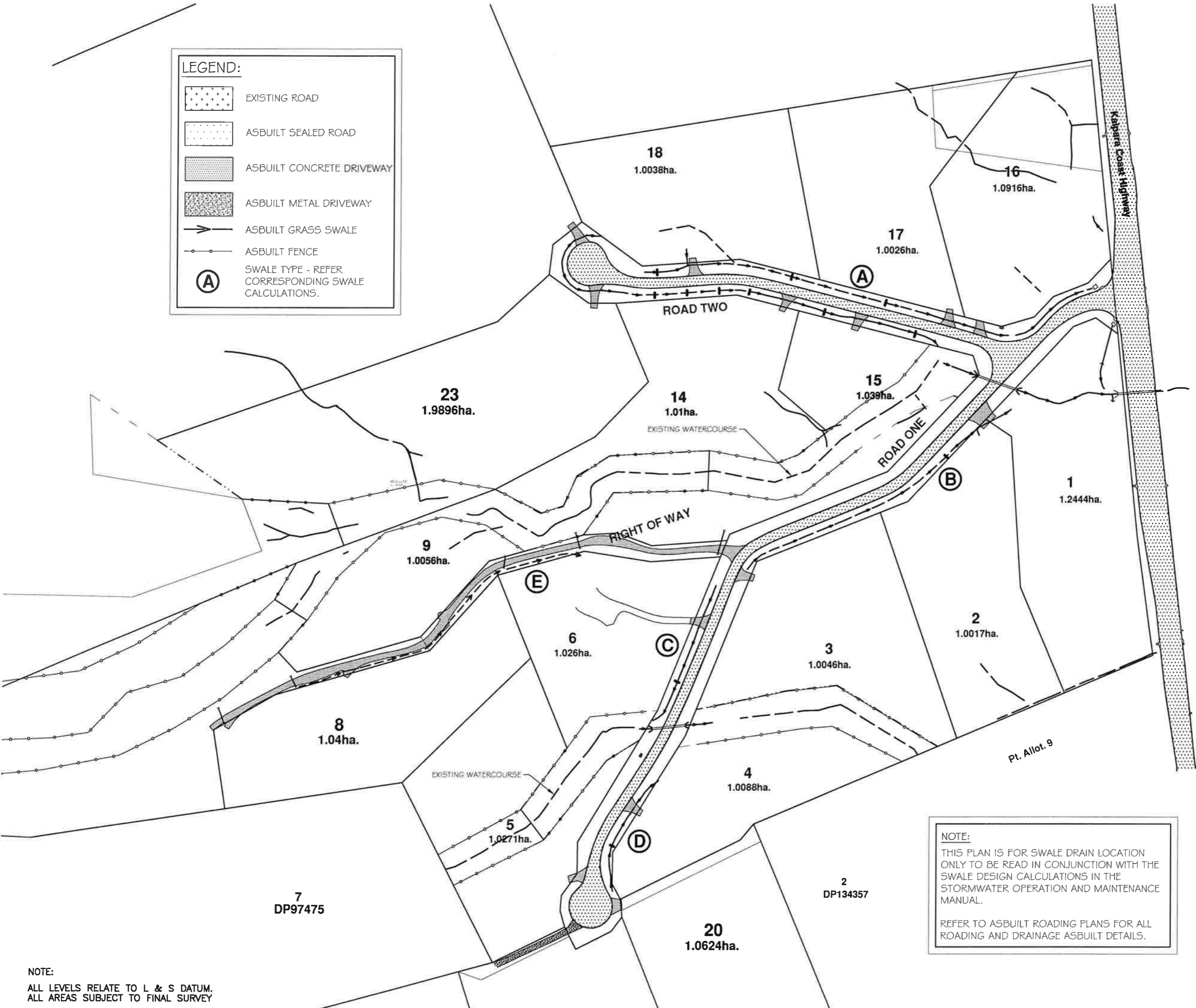
NOTE:  
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PROJECT <b>SH 16 LTD.</b> 1153 KAIPARA COAST HIGHWAY KAUKAPAKAPA R40339		
DRAWING TITLE <b>CERTIFIED BUILDING PLATFORMS</b>		
SCALE	DATE	
1:2000 @ A3	JUNE 2008	
DRAWN	DRG No.	
MATT SYMONS matts@hc.co.nz	A3 - 9678AB /11	



**LEGEND:**

-  EXISTING ROAD
-  ASPHALT SEALED ROAD
-  ASPHALT CONCRETE DRIVEWAY
-  ASPHALT METAL DRIVEWAY
-  ASPHALT GRASS SWALE
-  ASPHALT FENCE
-  SWALE TYPE - REFER CORRESPONDING SWALE CALCULATIONS.



**NOTE:**  
 THIS PLAN IS FOR SWALE DRAIN LOCATION ONLY TO BE READ IN CONJUNCTION WITH THE SWALE DESIGN CALCULATIONS IN THE STORMWATER OPERATION AND MAINTENANCE MANUAL.  
 REFER TO ASPHALT ROADING PLANS FOR ALL ROADING AND DRAINAGE ASPHALT DETAILS.

**NOTE:**  
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<p>PROJECT  <b>SH 16 LTD.</b>  <b>1153 KAIPARA COAST HIGHWAY</b>  <b>KAUKAPAKAPA</b>  <b>R40339</b></p>		
<p>DRAWING TITLE  <b>ASBUILT SWALE PLAN</b></p>		
SCALE	DATE	
1:2000 @ A3	NOVEMBER 2008	
DRAWN	DRG No.	
COLIN DRYLAND colin@hc.co.nz	<b>A3 - 9678AB</b> <b>/SWALE</b>	