

**NOTES**

1. ALL SILT CONTROL IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE AUCKLAND REGIONAL COUNCIL'S TECHNICAL PUBLICATION NO. 90 MARCH 1999.
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4. THE EXTENT OF AREAS TO BE WORKED ARE TO BE CLEARLY IDENTIFIED PRIOR TO STRIPPING AND ALL SILT CONTROL MEASURES IN PLACE AND APPROVED BEFORE EARTHWORKS COMMENCE.

**LEGEND**

- EXISTING CONTOURS - - - - 23.0
- CONTOUR DRAINS > > > >
- SEDIMENT RETENTION POND
- SILT POND OUTLET
- EARTH BUND DECANT
- RUNOFF DIVERSION DRAIN - R - R - R -
- CLEAN WATER DIVERSION DRAIN > > > >
- EARTH BUND ||| ||| ||| |||
- EXISTING CONTOURS 0.5
- MAJOR DESIGN CONTOURS 0.0
- MINOR DESIGN CONTOURS 0.0
- ROAD CENTRELINES AND CHAINAGES 1:10
- SILT FENCES -// -//

**SEDIMENT RETENTION POND DETAILS**

**POND A**  
 CATCHMENT = 4.0 ha, VOLUME = 1200cu.m  
 DIMENSIONS = 50m x 20m x 1.2m

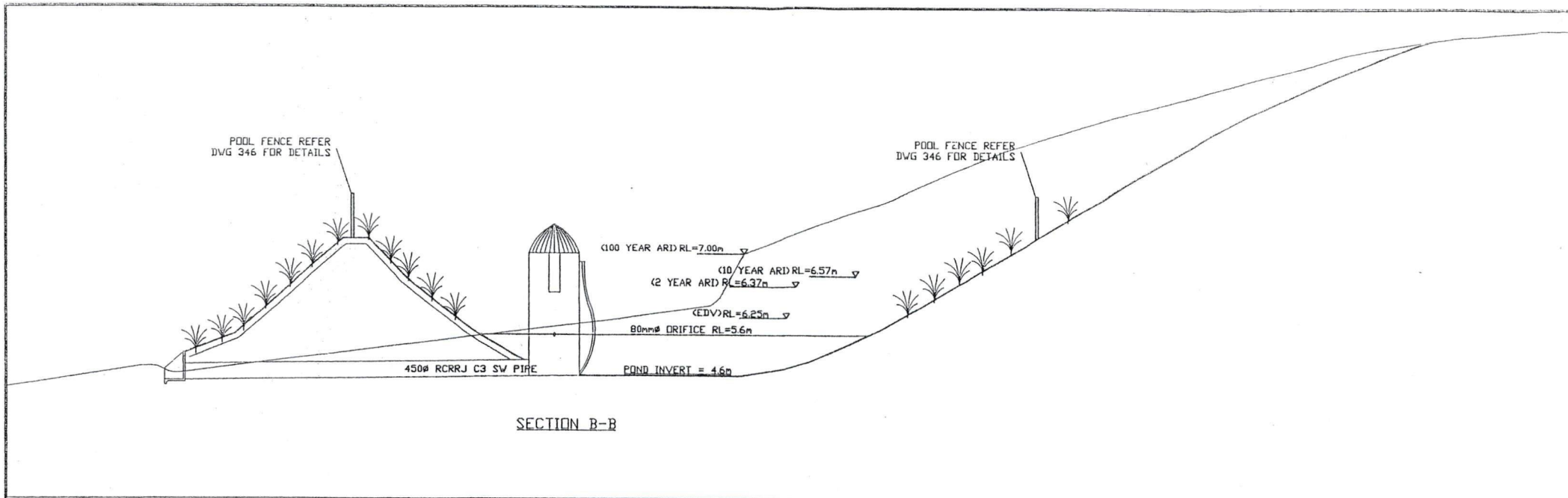
**POND B**  
 CATCHMENT = 1.2 ha, VOLUME = 950cu.m  
 DIMENSIONS = 30m x 12m

REVISIONS:	DATE	NAME	Client:

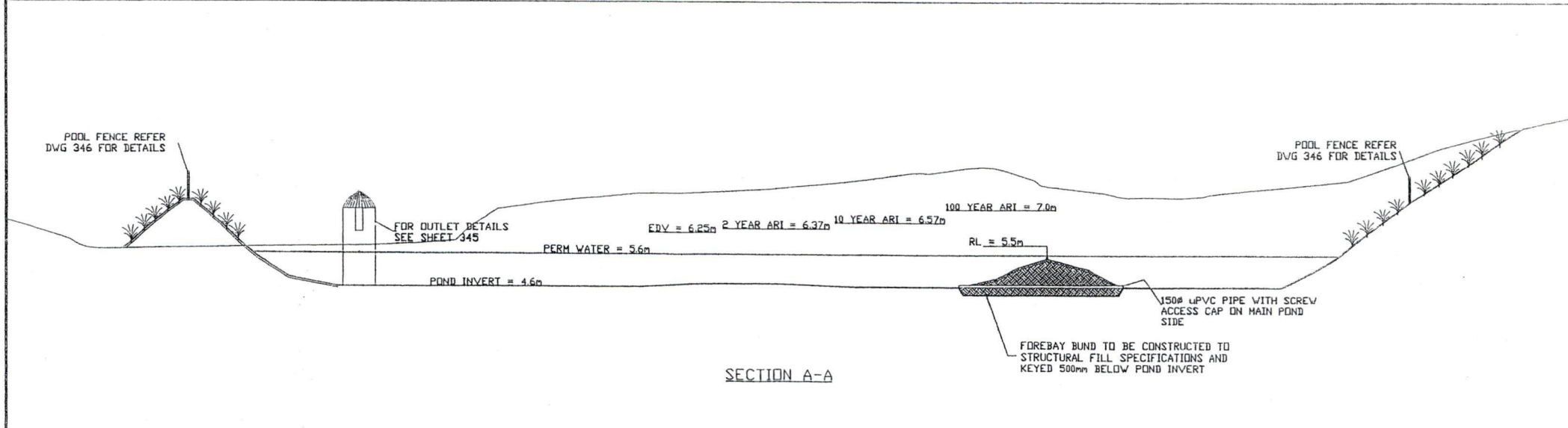
**CABLE BAY SUBDIVISION  
 SEDIMENT CONTROL PLAN  
 FAR NORTH DISTRICT COUNCIL**



REGISTERED SURVEYORS CONSULTING ENGINEERS TOWN & RESOURCE PLANNERS	DESIGNED: TBF DRAWN: TBF	SCALE: 1:1500 @A1 1:3000 @A3
Level 4 Building 3 666 Great South Road PO Box 6752 Auckland Ph 09 571 2470 Fax 09 571 3405	CHECKED: CAD REF: 104-SILT CONTROL	JOB NO: 55427
	APPROVED: ISSUED: 12-01-05	DRAWING NO: 104




SECTION B-B



SECTION A-A

FOR RESOURCE CONSENT ONLY-NOT FOR CONSTRUCTION

REVISIONS:	DATE	NAME	Client:
			

**CABLE BAY**  
**TYPICAL SW POND CROSS SECTIONS**  
**FAR NORTH DISTRICT COUNCIL**



REGISTERED SURVEYORS  
 CONSULTING ENGINEERS  
 TOWN & RESOURCE PLANNERS  
 LEVEL 4, BUILDING 3  
 666 GL SOUTH RD, PENROSE  
 PO Box 6752 Auckland.  
 Ph 09 571 2470  
 Fax 09 571 3405

DESIGNED: AKK	SCALE:
DRAWN: MP	NTS
CHECKED: XX	JOB NO:
CAD REF: 221.dwg	55427
APPROVED: XX	DRAWING NO:
ISSUED: 23/02/05	346



CABLE BAY



**NOTES**

1. UNDERFILL DRAINAGE IS TO BE INSTALLED AT THE DIRECTION OF THE ENGINEER. IF THE CONTRACTOR ENCOUNTERS SPRINGS OR OTHER SOURCES OF WATER HE IS TO NOTIFY THE ENGINEER.
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6. CONTRACTOR TO CONFIRM LOCATION AND HEIGHT OF EXISTING SERVICES TO ENGINEER PRIOR TO WORKS COMMENCING

**LEGEND**

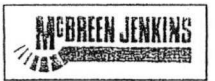
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- MAJOR DESIGN CONTOURS 0.5
- MINOR DESIGN CONTOURS 0.5
- ROAD CENTRELINES AND CHAINAGES 0.5
- EXISTING FENCES 0.5
- CUT AREA 0.5
- FILL AREA 0.5

**VOLUMES**

\*TOTAL CUT VOLUME = 52378m<sup>3</sup>  
 \*TOTAL FILL VOLUME = 13806m<sup>3</sup>  
 \*VOLUMES SHOWN EXCLUDE BULKING FACTORS AND ARE BASED ON WOOD AND PARTNERS FINAL TOPOGRAPHICAL SURVEY DATA  
 CUT & FILL VOLUMES ARE BETWEEN EXISTING SURFACE AS SURVEYED BY WAPCO AND FINAL DESIGN SURFACE.

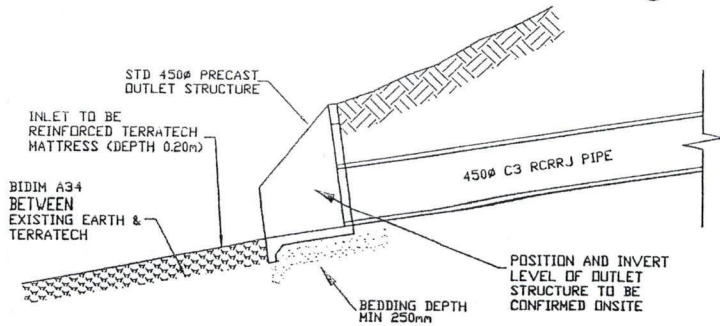
REVISIONS:	DATE	NAME	Client:

**CABLE BAY SUBDIVISION  
 CUT - FILL PLAN  
 FAR NORTH DISTRICT COUNCIL**

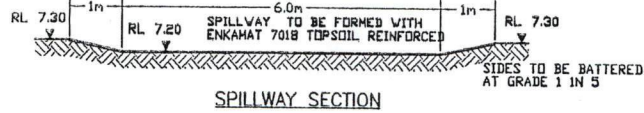


REGISTERED SURVEYORS  
 CONSULTING ENGINEERS  
 TOWN & RESOURCE PLANNERS  
 Level 4 Building 3  
 666 Great South Road  
 PO Box 8752 Auckland  
 Ph 09 571 2470  
 Fax 09 571 3405

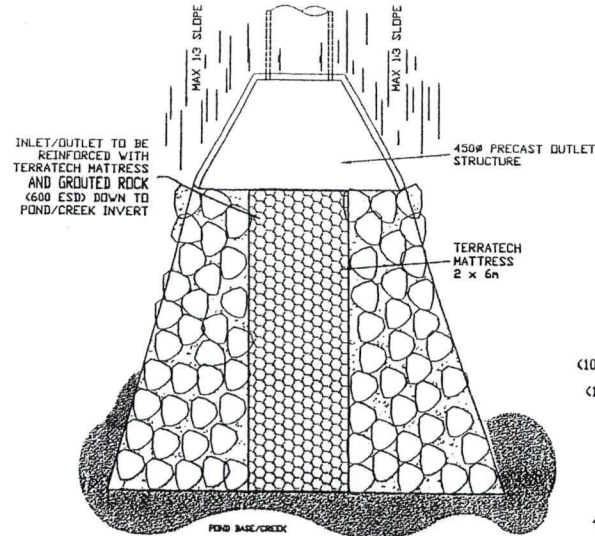
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DRAWN: TIF	JOB NO: 55247
CHECKED:	DRAWING NO: 103
CAD REF: 102-OUT.FIL	
APPROVED:	
ISSUED: 12-01-05	



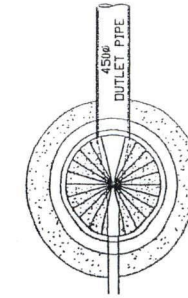
CULVERT INTLET INTO POND/OUTLET TO CREEK



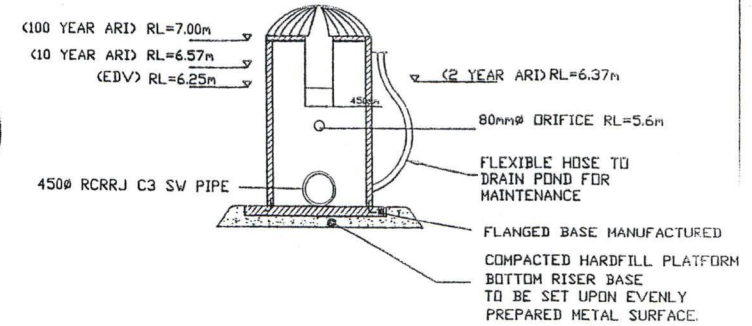
SPILLWAY SECTION



CULVERT OUTLET PLAN  
DETAIL INTO POND AND CREEK



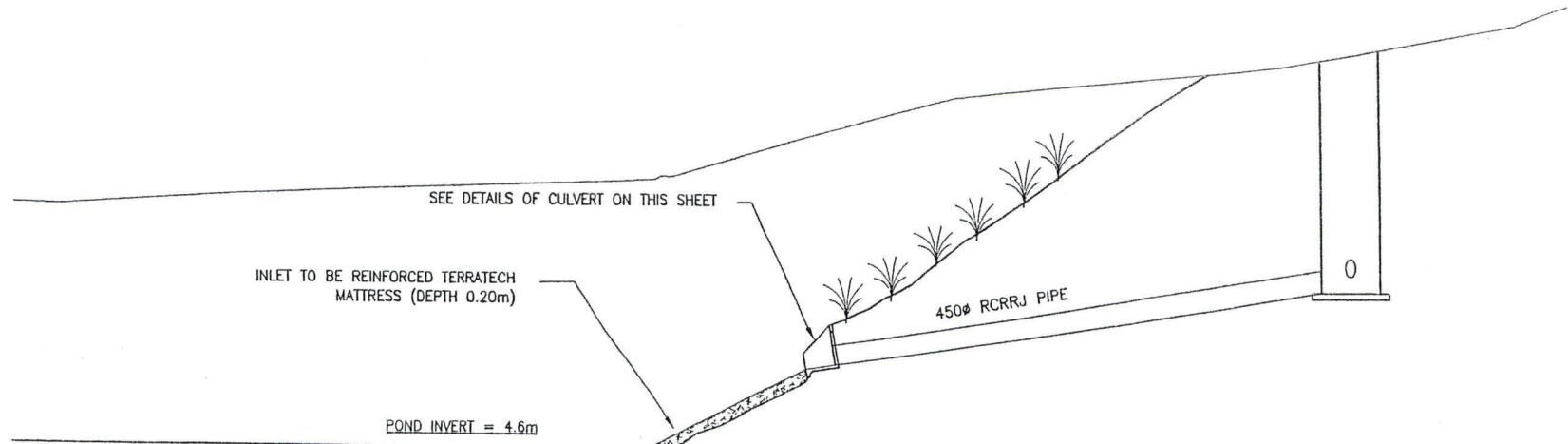
1500Ø SWMH DETAIL - PLAN VIEW



1500Ø SWMH DETAIL - FRONT ELEVATION

NOTES

1. ALL WORKS TO COMPLY WITH FNDC ENGINEERING STANDARDS
2. FOR POND DETAILS SEE SHEETS 344 AND 346
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POND INLET

FOR RESOURCE CONSENT ONLY-NOT FOR CONSTRUCTION

REVISIONS:	DATE	NAME	Client:

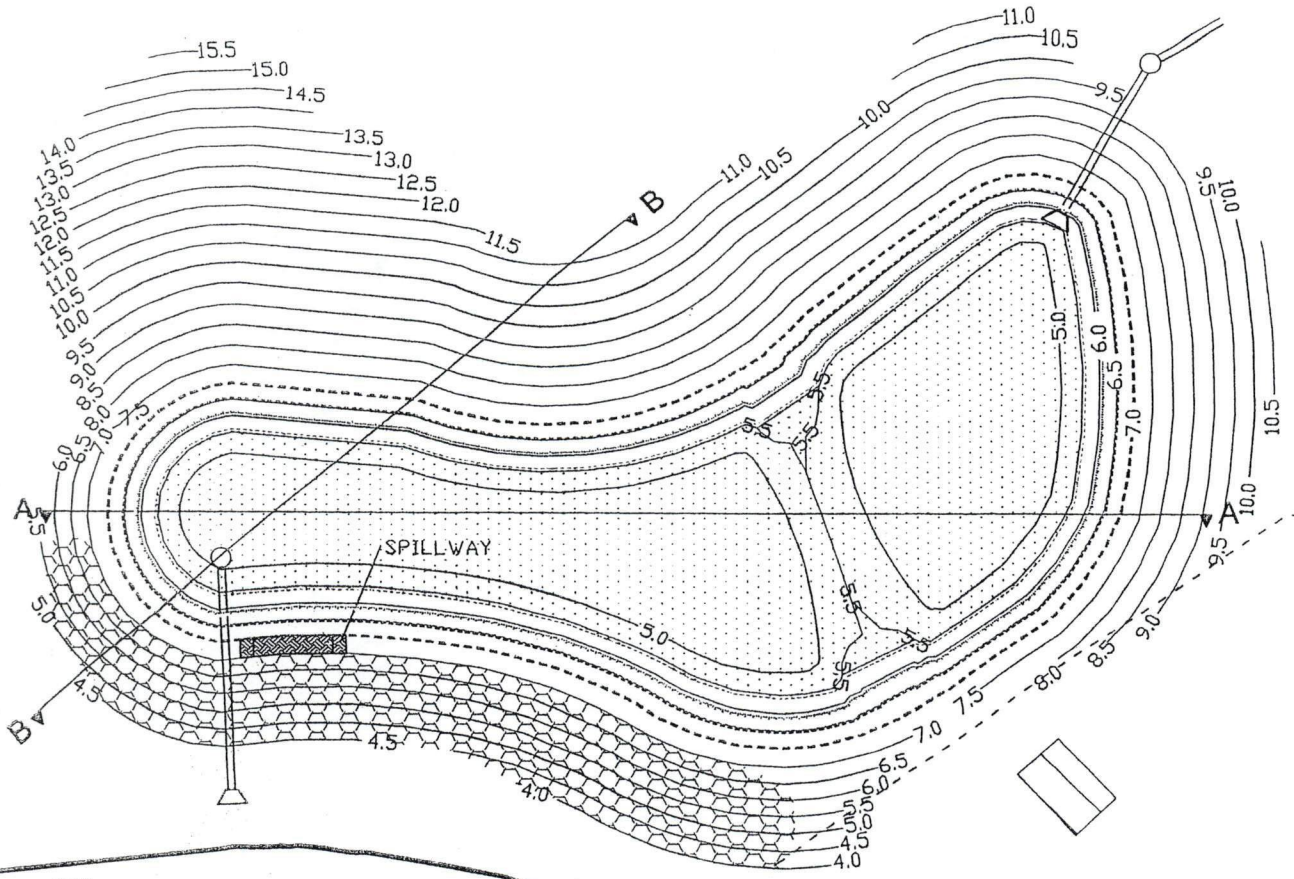
CABLE BAY  
POND DETAILS  
FAR NORTH DISTRICT COUNCIL



REGISTERED SURVEYORS  
CONSULTING ENGINEERS  
TOWN & RESOURCE PLANNERS

LEVEL 4, BUILDING 3  
666 GL SOUTH RD, PENROSE  
PO Box 6752 Auckland.  
Ph 09 571 2470  
Fax 09 571 3405

DESIGNED: AJK	SCALE: NTS
DRAWN: MP	JOB NO: 55427
CHECKED: xx	DRAWING NO: 345
CAD REF: 777.dwg	
APPROVED: xx	
ISSUED: 23/02/05	



**NOTES**

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**LEGEND**

- 100 YEAR WATER LEVEL ---
- 10 YEAR WATER LEVEL - - -
- 2 YEAR WATER LEVEL . . .
- 34.5mm STORM WATER LEVEL - - -
- PERMANENT POND LEVEL [Stippled Pattern]
- SPILLWAY [Cross-hatched Pattern]
- ADJOURNED BANKS [Cross-hatched Pattern]
- INLET/OUTLET HEADWALL [Triangle Symbol]

FOR RESOURCE CONSENT ONLY-NOT FOR CONSTRUCTION

REVISIONS:	DATE	NAME	Client:



**CABLE BAY  
STORMWATER QUALITY POND  
FAR NORTH DISTRICT COUNCIL**




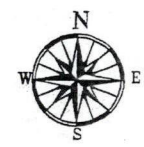
REGISTERED SURVEYORS  
CONSULTING ENGINEERS  
TOWN & RESOURCE PLANNERS  
Level 4 Building 3  
686 Great South Road  
PO Box 6752 Auckland.  
Ph 09 571 2470  
Fax 09 571 3405

DESIGNED: AJK	SCALE: 1:200 @A1
DRAWN: MP	1:400 @A3
CHECKED: XX	JOB NO: 55427
CAD REF: P77.dwg	DRAWING NO: 344
APPROVED: XX	
ISSUED: 23/02/06	



# LEGEND

- (B) Areas shown as bush to be protected by covenant.
- (C) That Lot XXX hereon (legal access) be held as to four undivided one quarter share by the owners of Lots 77, 78, 79 and 201 hereon as tenants in common in the said shares and that individual Certificates of Title be issued in accordance therewith. See.....
- (D) That Lot XXX hereon (legal access) be held as to four undivided one quarter share by the owners of Lots 27, 28, 29 and 30 hereon as tenants in common in the said shares and that individual Certificates of Title be issued in accordance therewith. See.....
- (E) That Lot XXX hereon (legal access) be held as to two undivided one half share by the owners of Lots 51 and 52 hereon as tenants in common in the said shares and that individual Certificates of Title be issued in accordance therewith. See.....
- (R) Areas shown as bush to be protected by covenant.

 BUILDING AREA  
20m x 20m = 400m<sup>2</sup>



**NOTE:**

-  Building / clearing areas on large lots
-  Conventional Residential Lots
- (B) Areas shown as bush to be protected by covenant.
- (R) Areas requiring revegetation

Total Area 45.60 ha  
 District Plan Zone: Coastal Living Zone  
 Key Rules:  
 Minimum Lot Size: 5000m<sup>2</sup>  
 This concept plan is based on an average of 5000m<sup>2</sup> yielding 90 lots.  
 Wastewater will be dealt with on site using appropriate plant and clear water drip irrigation.  
 Water supply will be by rain tank supplement with a bore water supply.

Contour interval 1.0m  
 Contours from Aerial Photography

Notes:  
 Plan for McGreen Jenkins Ltd purposes only.  
 This plan is conceptual only.  
 This plan is not for Resource Consent purposes.  
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REVISIONS:	DATE	NAME	Client:

**McBREEN  
JENKINS  
LTD**

**CABLE BAY  
PROPOSED SCHEME PLAN OF  
LOT 4 DP 312738  
FAR NORTH DISTRICT COUNCIL**



REGISTERED SURVEYORS  
CONSULTING ENGINEERS  
TOWN & RESOURCE PLANNERS


Level 4 Building 3  
666 Great South Road  
PO Box 6752 Auckland

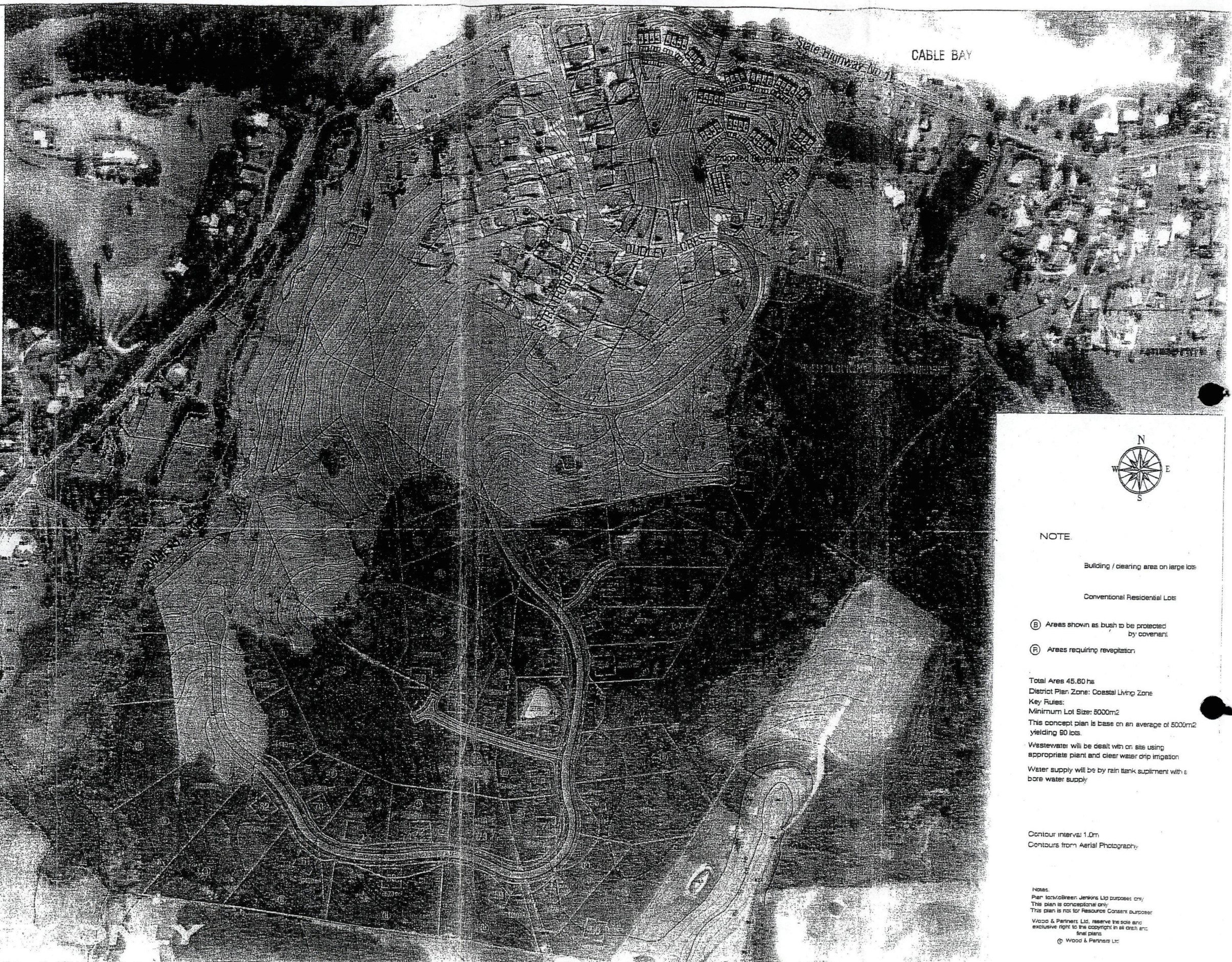
Ph 09 571 2470  
Fax 09 571 3405

DESIGNED: TJ	SCALE: 1:2000 @A1
DRAWN: TJ/GB	1:4000 @A3
CHECKED: XXX	JOB NO: 55427
CAD REF: 55427\CableBaySch2	DRAWING NO: 001
APPROVED: XXX	ISSUED: 03/12/04

# LEGEND

- (B) Areas shown as bush to be protected by covenant.
- (C) That Lot XXX hereon (legal access) be held as to four undivided one quarter share by the owners of Lots 77, 78, 79 and 201 hereon as tenants in common in the said shares and that individual Certificates of Title be issued in accordance therewith. See.....
- (D) That Lot XXX hereon (legal access) be held as to four undivided one quarter share by the owners of Lots 27, 28, 29 and 30 hereon as tenants in common in the said shares and that individual Certificates of Title be issued in accordance therewith. See.....
- (E) That Lot XXX hereon (legal access) be held as to two undivided one half share by the owners of Lots 51 and 52 hereon as tenants in common in the said shares and that individual Certificates of Title be issued in accordance therewith. See.....
- (F) Areas shown as bush to be protected by covenant.

 BUILDING AREA  
20m x 20m = 400m<sup>2</sup>



### NOTE

Building / clearing area on large lots  
Conventional Residential Lots

- (B) Areas shown as bush to be protected by covenant
- (F) Areas requiring revegetation

Total Area 45.60 ha  
District Plan Zone: Coastal Living Zone  
Key Rules:  
Minimum Lot Size: 5000m<sup>2</sup>  
This concept plan is based on an average of 5000m<sup>2</sup> yielding 90 lots.

Wastewater will be dealt with on site using appropriate plant and clear water drip irrigation  
Water supply will be by rain tank supplement with a bore water supply

Contour interval 1.0m  
Contours from Aerial Photography

Notes:  
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**McBREAN  
JENKINS  
LTD**

**PROPOSED SCHEME PLAN OF  
LOT 4 DP 312738  
FAR NORTH DISTRICT COUNCIL**



REGISTERED SURVEYORS  
CONSULTING ENGINEERS  
TOWN & RESOURCE PLANNERS

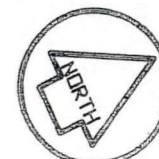
Level 4 Building 3  
666 Great South Road  
PO Box 6752 Auckland

Ph 09 571 2470  
Fax 09 571 3405

DESIGNED:	TJ	SCALE:	1:2000 @A1
DRAWN:	TJ/GB		1:4000 @A3
CHECKED:	XXX	JOB NO:	55427
CAD REF:	55427\CableBay_Sch2	DRAWING NO:	
APPROVED:	XXX		
ISSUED:	03/12/04		



CABLE BAY



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**LEGEND**

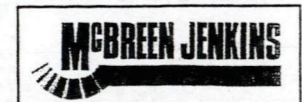
- EXISTING CONTOURS 
- MAJOR DESIGN CONTOURS 
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- ROAD CENTRELINES AND CHAINAGES 
- EXISTING FENCES 
- CUT AREA 
- FILL AREA 

**VOLUMES**

\*TOTAL CUT VOLUME = 52376m<sup>3</sup>  
 \*TOTAL FILL VOLUME = 13806m<sup>3</sup>  
 \*VOLUMES SHOWN EXCLUDE BULKING FACTORS AND ARE BASED ON WOOD AND PARTNERS FINAL TOPOGRAPHICAL SURVEY DATA  
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REVISIONS:	DATE	NAME	Client:

**CABLE BAY SUBDIVISION  
 CUT - FILL PLAN  
 FAR NORTH DISTRICT COUNCIL**

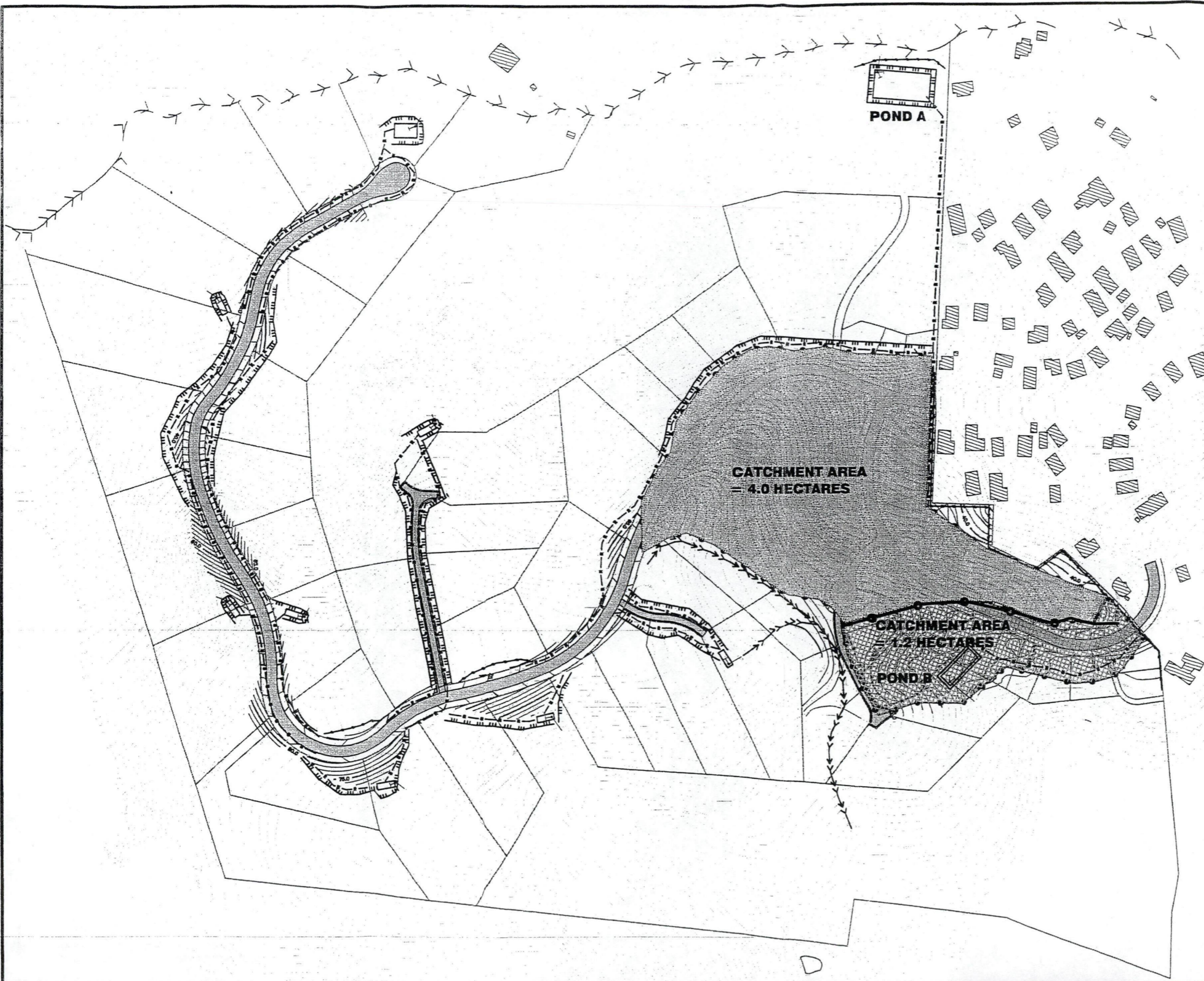


REGISTERED SURVEYORS  
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 TOWN & RESOURCE PLANNERS  
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 Fax 09 571 3405

DESIGNED: TJ	SCALE: 1:1500 @A1
DRAWN: TBF	1:3000 @A3
CHECKED:	JOB NO: 55247
CAD REF: 102-CUT_FIL	DRAWING NO: 103
APPROVED:	
ISSUED: 12-01-05	



CABLE BAY



**NOTES**

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- SILT POND OUTLET
- EARTH BUND DECANT
- RUNOFF DIVERSION DRAIN
- CLEAN WATER DIVERSION DRAIN
- EARTH BUND
- EXISTING CONTOURS 5.0
- MAJOR DESIGN CONTOURS 5.0
- MINOR DESIGN CONTOURS 5.0
- ROAD CENTRELINES AND CHAINAGES 10.0
- SILT FENCES

**SEDIMENT RETENTION POND DETAILS**

**POND A**  
 CATCHMENT = 4.0 ha, VOLUME = 1200cu.m  
 DIMENSIONS = 50m x 20m x 1.2m

**POND B**  
 CATCHMENT = 1.2 ha, VOLUME = 950cu.m  
 DIMENSIONS = 30m x 12m

REVISIONS:	DATE	NAME	Client:

**CABLE BAY SUBDIVISION  
 SEDIMENT CONTROL PLAN  
 FAR NORTH DISTRICT COUNCIL**




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 PO Box 6752 Auckland

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 Fax 09 571 3405

DESIGNED: TBF	SCALE: 1:1500 @A1
DRAWN: TBF	1:3000 @A3
CHECKED:	JOB NO: 55427
CAD REF: 104-SILT CONTROL	DRAWING NO: 104
APPROVED:	ISSUED: 12-01-05

EXISTING CONTOURS 5.0  
 MAJOR DESIGN CONTOURS 5.0  
 MINOR DESIGN CONTOURS 5.0  
 ROAD CENTRELINES AND CHAINAGES 1:0  
 EXISTING FENCES 1:0

REVISIONS:	DATE	NAME	Client:
			

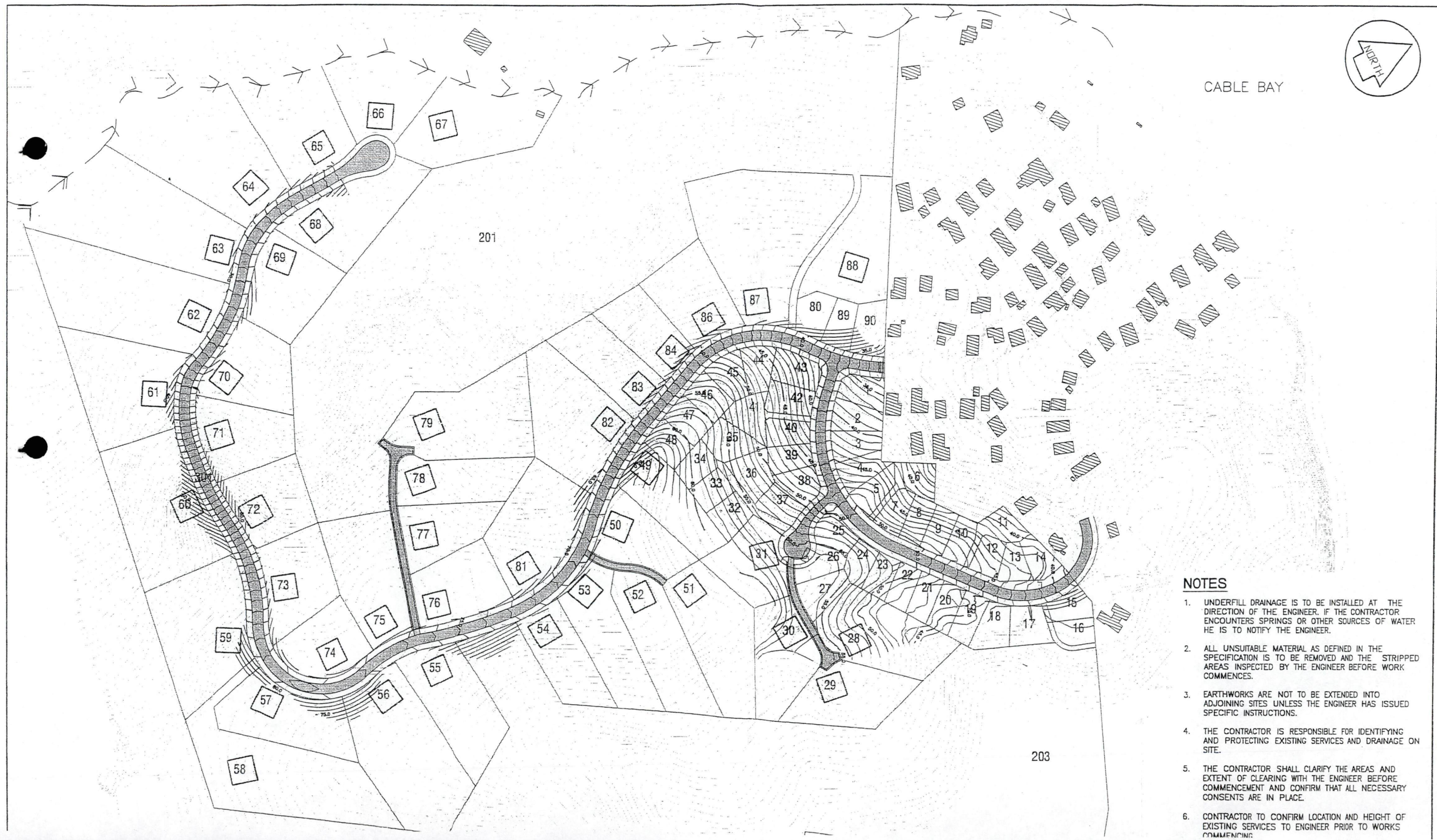
**CABLE BAY SUBDIVISION**  
 DESIGN CONTOURS PLAN  
 FAR NORTH DISTRICT COUNCIL



REGISTERED SURVEYORS  
 CONSULTING ENGINEERS  
 TOWN & RESOURCE PLANNERS  
 Level 4 Building 3  
 666 Great South Road  
 PO Box 6752 Auckland  
 Ph 09 571 2470  
 Fax 09 571 3405

DESIGNED: TJ	SCALE: 1:1500 @A1 1:3000 @A3
DRAWN: TBF	JOB NO: 55247
CHECKED:	DRAWING NO: 102
CAD REF: 102-DESIGN CONTOURS	
APPROVED:	
ISSUED: 12-01-05	

J:\55427 Cable Bay\ACAD Drawings\55427-102-DESIGN CONTOURS.dwg, 12/04/2005 4:46:47 p.m.



- NOTES**
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