DRAFT

Queensland Government
Natural Resources and Water

D B COULTON and K A COULTON
"Morella"
PO Box 616
GOONDIWINDI, QLD 4390

Issued
18 SEP 2007
sch4p4(6) Personal information

Dear Sir/Madam

Overland Flow Works Notification Acknowledgement 404376

This letter confirms that notification of the following works that allow taking of overland flow water has been received. The person notifying should ensure the details below accurately reflect the original notice given to the Department.

The works detail below represents the information provided on the notification form for the water storage on the lot shown. Each of the works described below has been assigned a reference.

Works Reference 28745
Gravity diversion works via a Channel
Located on Lot 1 on CVN160.
11) 3.87KM DIVERSION BANK TO RESERVOIR 1 INLET (FLAT BED)

Works Reference 28746
Gravity drainage diversion works via a Channel
Located on Lot 1 on CVN160.
12) 600M BELOW GROUND CATCH DRAIN TO RESERVOIR 2 (FLAT BED)

Works Reference 28747
Gravity drainage diversion works via a Channel
Located on Lot 1 on CVN160.
13) 3200M BELOW GROUND CATCH DRAIN TO RESERVOIR 3 (FLAT BED)

s.73 irrelevant information

Works Reference 28749
Gravity drainage diversion works via a Channel
Located on Lot 1 on CVN160.
15) 2800M BELOW GROUND CATCH DRAIN TO RESERVOIR 3

PROCESSED
sch4p4(6) Personal information 18/9/07

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Queensland Government
Natural Resources and Water

Authority to take water using the works is subject to the requirements of the *Water Act 2000* and the relevant water resource plan. This receipt is not an acceptance that:

- the notified information is accurate;
- the works notified are in existence; or
- the works have been constructed lawfully.

The Department may seek to verify these matters at any time.

Yours faithfully,

RTI DL RELEASE - DNRM

DRAFT

Queensland Government
Natural Resources and Water

D B COULTON and K A COULTON
"Morella"
PO Box 616
GOONDIWINDI, QLD 4390

Issued
17 SEP 2007

sch4p4(6) Personal information

Dear Sir/Madam

Overland Flow Works Notification Acknowledgement 404244

This letter confirms that notification of the following works that allow taking of overland flow water has been received. The person notifying should ensure the details below accurately reflect the original notice given to the Department.

The works detail below represents the information provided on the notification form for the water storage on the lot shown. Each of the works described below has been assigned a reference.

Works Reference 28652
Earth Ring Tank with the following dimensions:

Height to Top	5.5m	Depth at Full Supply Level	6.4m
Capacity	4300.0 megalitres	Full Supply Surface Area	95.3HA
Freeboard	0.9m		

Located on Lot 1 on CVN160.
STORAGE 1 BLOCK 3 RESERVOIR
Works Installed 16/07/2000.

Authority to take water using the works is subject to the requirements of the *Water Act 2000* and the relevant water resource plan. This receipt is not an acceptance that:

- the notified information is accurate;
- the works notified are in existence; or
- the works have been constructed lawfully.

The Department may seek to verify these matters at any time.

Yours faithfully,

RTI DL RELEASE - DNRM

DRAFT

Queensland Government
Natural Resources and Water

D B COULTON and K A COULTON
"Morella"
PO Box 616
GOONDIWINDI, QLD 4390

Issued
17 SEP 2007

sch4p4(6) Personal information

Dear Sir/Madam

Overland Flow Works Notification Acknowledgement 404245

This letter confirms that notification of the following works that allow taking of overland flow water has been received. The person notifying should ensure the details below accurately reflect the original notice given to the Department.

The works detail below represents the information provided on the notification form for the water storage on the lot shown. Each of the works described below has been assigned a reference.

Works Reference 28653
Earth Ring Tank with the following dimensions:

Height to Top	6.2m	Depth at Full Supply Level	7.2m
Capacity	2200.0 megalitres	Full Supply Surface Area	38.6HA
Freeboard	0.9m		

Located on Lot 1 on CVN160.
STORAGE 2 BLOCK 2 RESERVOIR
Works Installed 13/06/2001.

Authority to take water using the works is subject to the requirements of the *Water Act 2000* and the relevant water resource plan. This receipt is not an acceptance that:

- the notified information is accurate;
- the works notified are in existence; or
- the works have been constructed lawfully.

The Department may seek to verify these matters at any time.

Yours faithfully,

RTI DL RELEASE - DNRM

Collection One RTI 13-063 4 of 247

DRAFT

Queensland Government
Natural Resources and Water

D B COULTON and K A COULTON
"Morella"
PO Box 616
GOONDIWINDI, QLD 4390

Issued
17 SEP 2007

sch4p4(6) Personal information

Dear Sir/Madam

Overland Flow Works Notification Acknowledgement 404246

This letter confirms that notification of the following works that allow taking of overland flow water has been received. The person notifying should ensure the details below accurately reflect the original notice given to the Department.

The works detail below represents the information provided on the notification form for the water storage on the lot shown. Each of the works described below has been assigned a reference.

Works Reference 28654
Earth Ring Tank with the following dimensions:

Height to Top	6.0m	Depth at Full Supply Level	7.0m
Capacity	4200.0 megalitres	Full Supply Surface Area	83.2HA
Freeboard	0.9m		

Located on Lot 1 on CVN160.
STORAGE 3 BLOCK 1 RESERVOIR
Works Installed 30/05/2002.

Authority to take water using the works is subject to the requirements of the *Water Act 2000* and the relevant water resource plan. This receipt is not an acceptance that:

- the notified information is accurate;
- the works notified are in existence; or
- the works have been constructed lawfully.

The Department may seek to verify these matters at any time.

Yours faithfully,

RTI DL RELEASE - DNRM

DRAFT

Queensland Government
Natural Resources and Water

D B COULTON and K A COULTON
"Morella"
PO Box 616
GOONDIWINDI, QLD 4390

Issued
17 SEP 2007

sch4p4(6) Personal information

Dear Sir/Madam

Overland Flow Works Notification Acknowledgement 404248

This letter confirms that notification of the following works that allow taking of overland flow water has been received. The person notifying should ensure the details below accurately reflect the original notice given to the Department.

The works detail below represents the information provided on the notification form for the water storage on the lot shown. Each of the works described below has been assigned a reference.

Works Reference 28656
Earth Dam with the following dimensions:

Height to Top	2.0m	Depth at Full Supply Level	1.2m
Capacity	1900.0 megalitres	Full Supply Surface Area	153.7HA
Freeboard	0.3m		

Located on Lot 1 on CVN160.
STORAGE 5 PONDED FIELD 9
Works Installed 30/05/2002.

s.73 irrelevant information

Works Reference 28659
MIXED FLOW VOLUTE PUMP having a maximum outlet size of 660mm.
Capable of pumping a maximum of 1850 litres per second against 7 metres head.
Located on Lot 1 on CVN160.
PUMP 8

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Queensland Government
Natural Resources and Water

Works Reference 28660
MIXED FLOW VOLUTE PUMP having a maximum outlet size of 660mm.
Capable of pumping a maximum of 1850 litres per second against 7 metres head.
Located on Lot 1 on CVN160.
PUMP 9

Works Reference 28661
MIXED FLOW VOLUTE PUMP having a maximum outlet size of 660mm.
Capable of pumping a maximum of 1850 litres per second against 11 metres head.
Located on Lot 1 on CVN160.
PUMP 10

Authority to take water using the works is subject to the requirements of the *Water Act 2000* and the relevant water resource plan. This receipt is not an acceptance that:

- the notified information is accurate;
- the works notified are in existence; or
- the works have been constructed lawfully.

The Department may seek to verify these matters at any time.

Yours faithfully,

RTI DL RELEASE - DNRM

NOTE TO FILE

Thurs 30 August 2007-09-03

Following telephone conversation between Darcy Smith, Greg Embleton and Peter Brownhall and myself, it was decided to proceed with processing this OLF notification but only for storages and pumps.

No diversion channels, banks, etc were to be processed at this time.

This is to allow the storages to be included for the ROP as investigations are still ongoing in relation to this property – refer Peter Brownhall and Greg Embleton.

RTI DL RELEASE - DNRM

Signed

sch4p4(6) Personal information

Marcella Valenti
Administration Officer

PROCESSED

sch4p4(6) Personal information 14/9/07

Queensland Government
Natural Resources and Mines

NOTIFICATION OF EXISTING OVERLAND FLOW WORKS

(Water Act 2000)

Section 1

Purpose of this form

For the notification of works that allow the taking of overland flow water. Please refer to appropriate guidelines when completing this form.
Works that take overland flow water and are used solely for stock and domestic purposes must not be notified.

PART A Owner Details

NRM Client Number *(if known)*

Name *Specify the full name(s) of all owners or registered lessees of the land on which the works are situated*

DAVID COULTON
KIM COULTON

Attention (Optional) *eg. Principal, Secretary, Managing Director*

DB COULTON

Mailing Address *All correspondence will be delivered to this address*

PO BOX 616
GOONDIWINDI

State QLD Postcode 4390 Country *if not Australia* AUSTRALIA

Contact Person's Details *(if different from above)* Title ☐ Mr ☐ Mrs ☐ Ms ☐ Miss ☐ Other *please specify*

Given Name
Last Name
Preferred Phone Alternate Phone Facsimile
Email Address

PART B Declaration *Authorised party to complete and sign the declaratic*

I do solemnly and sincerely declare, that being a person authorised by the owners
contained in this notice is true to the best of my knowledge and that all the works i
to the introduction of the moratorium for the area or in accordance with the morato
believing the same to be true and by virtue of the provisions of the *Oaths Act 1867*

Name: DAVID BOYD COULTON
Signature: sch4p4(6) Personal information
Date: 22 · 6 · 2005
Witnessed by: sch4p4(6) Personal information
Witness signature:
Date: 22 · 6 · 2005

Reg. No. 3379

Border Rivers
Goondiwindi
Macintyre
Ciment
Macintyre

Use of this Information

This information is collected under the authority of the *Water Act 2000* and the *Integrated Planning Act 1997* for the purpose of ensuring the sustainable management and efficient use of water and other resources. This information will be publicly viewable at any Department of Natural Resources and Minesoffice.

RESOURCES RECEIVED TOOWOOMBA 27 JUN 2005

OFFICE USE ONLY	Application Number	Client Number	Number of Attachments	Catchment Water Code
	133987	14823	2	416 01 OLF
	Notification Date	Initials	Notification Number	
	27/6/05		404244	

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PART C General Location of Works

Name of Local Authority *(eg Shire, Town)*

WAGGAMBA SHIRE

Water Resource Plan Area *(Please tick)*

- [x] Border Rivers
- [ ] Condamine-Balonne
- [ ] Moonie
- [ ] Warrego/Paroo/Bulloo/Nebine
- [ ] Fitzroy
- [ ] Georgina/Diamantina

Local Catchment *(eg Emu Creek)*

MACINTYRE RIVER

PART D Layout of Works on a Property

Sketch a plan showing the location of all overland flow works. Include property boundaries, Lot / Plan descriptions, watercourses, existing licensed works associated with watercourses, the overland flow path/s. Each dam/storage, pump or other works included on the plan should be numbered and details of the works shown under Parts G and H on the following page.

Features such as channels, drains and levees that direct water from an overland flow path into a dam/storage should be included in the sketch.

This sketch should only reflect the actual linkages that exist between various infrastructure components and should be made in black ink so that it is suitable for electronic scanning.

N

PLEASE REFER TO ATTACHED PLAN (Dwg # 05062-1)

Email to Embo re starter status. 11/9/06

X2 completed by Twmba

07 4671 2463

Check moratorium Starter Status
- 2001
- 2002

→ send back re:
- No dam on roof dam.

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property map.

PART E Summary of Works *Complete this section only once*

Total number of storages / dams: 5

Estimated total storage capacity: 113,580 megalitres

PART F Real property description of land on which works and benefited lands are located

Lot	Plan	Lot	Plan
1	CNN 160		

Lot	Plan	Lot	Plan

Section 2 of this form should be completed as many times as required for each overland flow storage and ancillary works

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Section 2

A separate sheet should be completed for each overland flow storage and ancillary works

(This page may be copied as many times as necessary for this purpose)

PART G Details of Major Works

Storage Number: 1 Storage Name: BLOCK 3 RESERVOIR

STORAGE / DAM or EXCAVATION

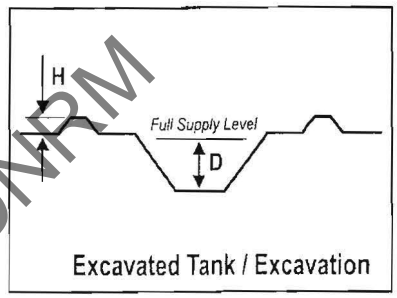
Source of all water stored:

- Gravity fed overland flow [ ] Pumped overland flow [✓]
- Water from a watercourse, lake or spring [ ] ➢ Provide details of any water licence numbers
- Underground Water [ ] ➢ Provide details of any water licence numbers
- Other [ ] ➢ *(Please describe)*

Type of storage:

- Excavated tank [ ]
- Excavation [ ]

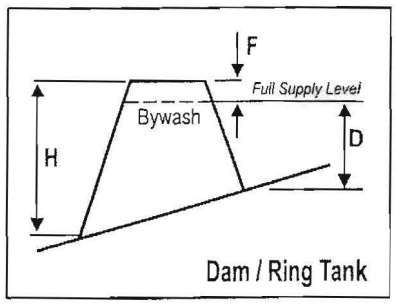
For these types of storages use this example to complete the dimensions section below



Excavated Tank / Excavation

- Dam [ ]
- Ring tank [✓]

For these types of storages use this example to complete the dimensions section below



Dam / Ring Tank

Is this storage a natural lake or lagoon which has not been used as an irrigation storage	[ ] Yes	[✓] No
Is this storage a bunded area which has not been used as an irrigation storage	[ ] Yes	[✓] No
Has this storage been used for a purpose other than stock and domestic supply	[✓] Yes	[ ] No

Provide the following dimensions for each storage:

Maximum depth at full supply level (D)	6.4	metres
Height to top (H)	5.5	metres
Maximum volume	4,300.0	megalitres
Maximum surface area at full supply level	95.3	hectares
Freeboard (F)	0.9	metres

Does this storage have a bywash [ ] Yes [✓] No

Construction date: 16 07 2000

Purpose *(please specify)*: IRRIGATION SUPPLY

Location of storage: Lot 1 Plan CUN 160

OFFICE USE ONLY	Works Number: 28652

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Section 2

A separate sheet should be completed for each overland flow storage and ancillary works

(This page may be copied as many times as necessary for this purpose)

PART G Details of Major Works

Storage Numbe: s.73 irrelevant information

Storage Name: s.73 irrelevant information

STORAGE / DAM or EXCAVATION

Source of all water stored:

Gravity fed overland flow ☐ Pumped overland flow ☑

Water from a watercourse, lake or spring ☐ ➤ Provide details of any water licence numbers

Underground Water ☐ ➤ Provide details of any water licence numbers

Other ☐ ➤ *(Please describe)*

Type of storage:

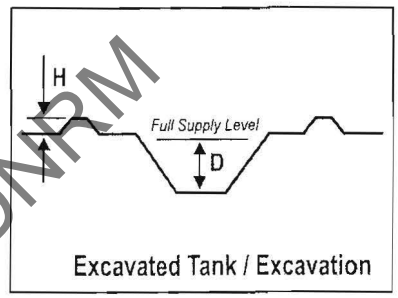
Excavated tank ☐

Excavation ☐

Dam ☐

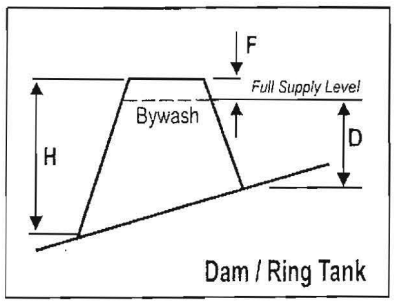
Ring tank ☑

For these types of storages use this example to complete the dimensions section below



Excavated Tank / Excavation

For these types of storages use this example to complete the dimensions section below



Dam / Ring Tank

Is this storage a natural lake or lagoon which has not been used as an irrigation storage ☐ Yes ☑ No

Is this storage a bunded area which has not been used as an irrigation storage ☐ Yes ☑ No

Has this storage been used for a purpose other than stock and domestic supply ☑ Yes ☐ No

Provide the following dimensions for each storage:

Maximum depth at full supply level (D: s.73 irrelevant information metres

Height to top (H) metres

Maximum volume ☐ megalitres

Maximum surface area at full supply level hectares

Freeboard (F) metres

Does this storage have a bywash ☐ Yes ☑ No

Construction date: s.73 irrelevant information

Purpose *(please specify)* s.73 irrelevant information

Location of storage: Lot s.73 irrelevant information Plan s.73 irrelevant information

OFFICE USE ONLY Works Number: s.73 irrelevant information

Application No.: s.73 irrelevant information

Notification No.: s.73 irrelevant information

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Section 2

A separate sheet should be completed for each overland flow storage and ancillary works

(This page may be copied as many times as necessary for this purpose)

PART G Details of Major Works

Storage Number: 3 Storage Name: BLOCK 1 RESERVOIR

STORAGE / DAM or EXCAVATION

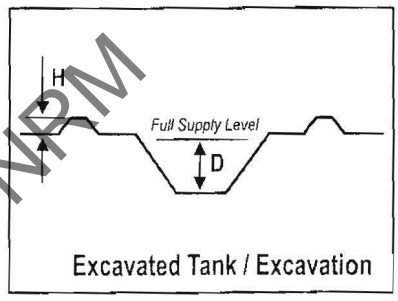
Source of all water stored:

- Gravity fed overland flow ☐ Pumped overland flow ☑
- Water from a watercourse, lake or spring ☐ ➤ Provide details of any water licence numbers
- Underground Water ☐ ➤ Provide details of any water licence numbers
- Other ☐ ➤ *(Please describe)*

Type of storage:

- Excavated tank ☐
- Excavation ☐

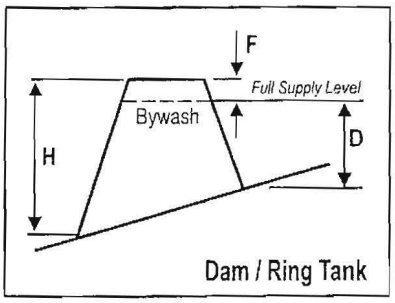
For these types of storages use this example to complete the dimensions section below



Excavated Tank / Excavation

- Dam ☐
- Ring tank ☑

For these types of storages use this example to complete the dimensions section below



Dam / Ring Tank

Is this storage a natural lake or lagoon which has not been used as an irrigation storage	☐ Yes	☑ No
Is this storage a bunded area which has not been used as an irrigation storage	☐ Yes	☑ No
Has this storage been used for a purpose other than stock and domestic supply	☑ Yes	☐ No

Provide the following dimensions for each storage:

Maximum depth at full supply level (D)	7.0	metres
Height to top (H)	6.0	metres
Maximum volume	4,200.0	megalitres
Maximum surface area at full supply level	83.2	hectares
Freeboard (F)	0.9	metres

Does this storage have a bywash ☐ Yes ☑ No

Construction date: 30 05 2002

Purpose *(please specify)*: IRRIGATION SUPPLY

Location of storage: Lot 1 Plan CUN 160

OFFICE USE ONLY — Works Number: 28654

Application No.: 133989

Notification No.: 404246

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Section 2

A separate sheet should be completed for each overland flow storage and ancillary works

(This page may be copied as many times as necessary for this purpose)

PART G Details of Major Works

Storage Number [s.73 irrelevant information] Storage Name [s.73 irrelevant information]

Source of all water stored:

Gravity fed overland flow [✓] Pumped overland flow [✓]

Water from a watercourse, lake or spring [ ] ➤ Provide details of any water licence numbers

Underground Water [ ] ➤ Provide details of any water licence numbers

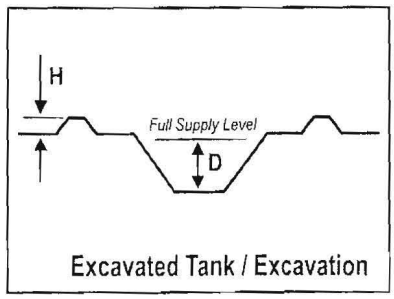
Other [ ] ➤ *(Please describe)*

Type of storage:

Excavated tank [ ]

Excavation [ ]

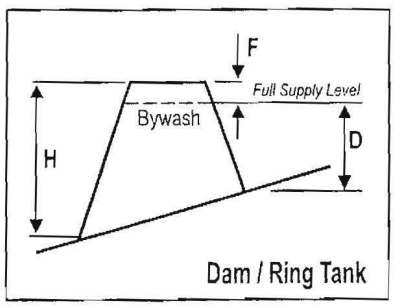
For these types of storages use this example to complete the dimensions section below



Dam [ ]

Ring tank [ ]

For these types of storages use this example to complete the dimensions section below



[s.73 irrelevant information]

Is this storage a natural lake or lagoon which has not been used as an irrigation storage [ ] Yes [s.73 irrelevant information] No

Is this storage a bunded area which has not been used as an irrigation storage [ ] Yes [ ] No

Has this storage been used for a purpose other than stock and domestic supply [s.73 irrelevant information] Yes [ ] No

Provide the following dimensions for each storage:

Maximum depth at full supply level (D) [s.73 irrelevant information] metres

Height to top (H) metres

Maximum volume [ ][ ] , megalitres

Maximum surface area at full supply level [ ] , hectares

Freeboard (F) metres

Does this storage have a bywash [ ] Yes [s.73 irrelevant information] No

Construction date: [s.73 irrelevant information]

Purpose *(please specify)* [s.73 irrelevant information]

Location of storage: Lot [s.73 irrelevant information] Plan [s.73 irrelevant information]

OFFICE USE ONLY

Works Number: [s.73 irrelevant information]

Application No.: [s.73 irrelevant information]

Notification No.: [s.73 irrelevant information]

STORAGE / DAM or EXCAVATION

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Section 2

A separate sheet should be completed for each overland flow storage and ancillary works

(This page may be copied as many times as necessary for this purpose)

PART G Details of Major Works

Storage Number: 5 Storage Name: PONDED FIELD 9

STORAGE / DAM or EXCAVATION

Source of all water stored:

Gravity fed overland flow [✓] Pumped overland flow [✓]

Water from a watercourse, lake or spring [ ] ➤ Provide details of any water licence numbers

Underground Water [ ] ➤ Provide details of any water licence numbers

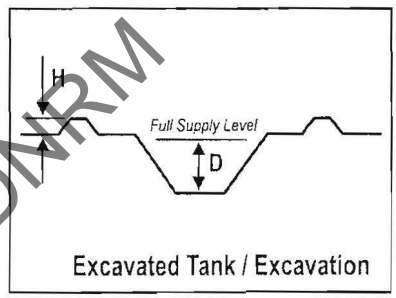
Other [ ] ➤ *(Please describe)*

Type of storage:

Excavated tank [ ]

Excavation [ ]

For these types of storages use this example to complete the dimensions section below



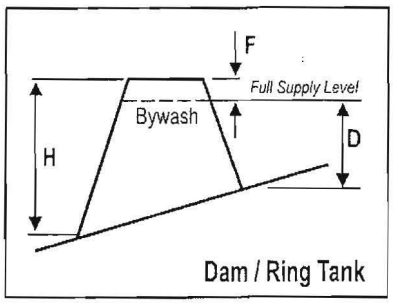
Excavated Tank / Excavation

Dam [ ]

Ring tank [ ]

For these types of storages use this example to complete the dimensions section below

PONDED FIELD [✓]



Dam / Ring Tank

Is this storage a natural lake or lagoon which has not been used as an irrigation storage	[ ] Yes	[✓] No
Is this storage a bunded area which has not been used as an irrigation storage	[ ] Yes	[✓] No
Has this storage been used for a purpose other than stock and domestic supply	[✓] Yes	[ ] No

Provide the following dimensions for each storage:

Maximum depth at full supply level (D)	1.2	metres
Height to top (H)	2.0	metres
Maximum volume	1,900.0	megalitres
Maximum surface area at full supply level	153.7	hectares
Freeboard (F)	0.3	metres

Does this storage have a bywash [ ] Yes [✓] No

Construction date: 30 05 2002. D.A.C.

Purpose *(please specify)*: SHORT TERM STORAGE, IRRIGATION SUPPLY

Location of storage: Lot 1 2 Plan CVN 160

OFFICE USE ONLY	Works Number: 28656

Application No.: 133992

Notification No.: 404248

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PART H Details of Ancillary or Other Works

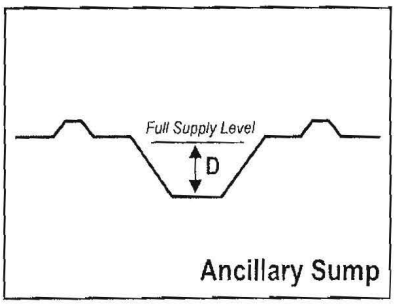
ANCILLARY SUMP used to take overland flow water

Provide the following details regarding sumps, return channels and similar excavations

Estimated Depth (D) [ ][ ] . [ ] metres

Estimated Capacity [ ] , [ ][ ][ ] . [ ] megalitres

Estimated Maximum Surface Area [ ] , [ ][ ][ ] . [ ] hectares



Location of sump: Lot 1 Plan CVN 160

OFFICE USE ONLY | Works Number:

PUMPS used to take overland flow water

Provide the following details of existing pump units used to take overland flow

Number of pumps 5

Pump Unit Number	Type	Metered (yes/no)	Pump Size			
			Inlet / Bore (mm)	Outlet / Stroke (mm)	Discharge (litres/second)	Duty Head (metres)
6	26" HHC 30		660	660	1850 L/S	6.5
7	"		"	"	"	"
8	"		"	"	"	7
9	"		"	"	"	7
10	"		"	"	"	11

Location of pumps: Lot 1 Plan CVN160

OFFICE USE ONLY | Works Number: (6) s.73 irrelevant information (8) 28659 (10) 28661 (7) 28658 (9) 28660

DIVERSION CHANNELS or BANKS / LEVEES / DRAINS used to take overland flow water

Works that direct overland flow water, such as levees, diversion banks or drains, into a dam/storage from an overland flow path are required to be shown in Part D of the "Notification Form".

Provide a description of these works as per numbering on the sketch in Part D (maximum 250 characters).

eg: *(1) 1.5 km diversion bank*
(2) 0.6 km below-ground catch drain
(3) etc

(11) 3·87 km Diversion bank to Reservoir 1 inlet (flat bed)
(12) 600 m below-ground catch drain to Reservoir 2 (flat bed)
(13) 3,200 m below-ground catch drain to Reservoir 3 (flat bed)
(14) 1,460 m below-ground catch drain to Reservoir 1
(15) 3,800 m below-ground catch drain to Reservoir 3

Location of channels / drains: Lot 1 Plan CVN 160

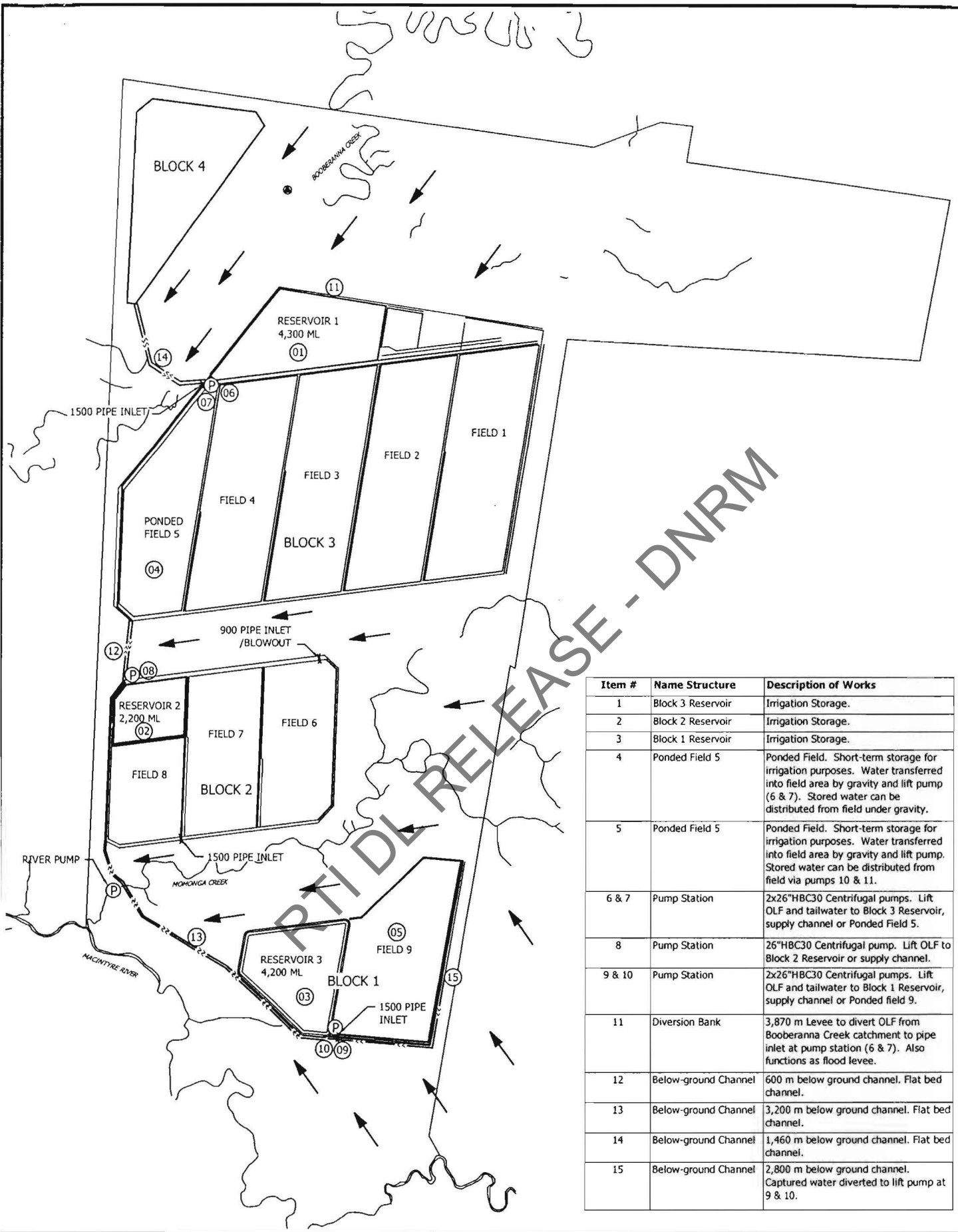
OFFICE USE ONLY | Works Number: 11 s.73 irrelevant information 12 28746 13 28747 14 s.73 irrelevant information 15 28749

Application No.: 134381
Notification No.: 404376

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Item #	Name Structure	Description of Works
1	Block 3 Reservoir	Irrigation Storage.
2	Block 2 Reservoir	Irrigation Storage.
3	Block 1 Reservoir	Irrigation Storage.
4	Ponded Field 5	Ponded Field. Short-term storage for irrigation purposes. Water transferred into field area by gravity and lift pump (6 & 7). Stored water can be distributed from field under gravity.
5	Ponded Field 5	Ponded Field. Short-term storage for irrigation purposes. Water transferred into field area by gravity and lift pump. Stored water can be distributed from field via pumps 10 & 11.
6 & 7	Pump Station	2x26"HBC30 Centrifugal pumps. Lift OLF and tailwater to Block 3 Reservoir, supply channel or Ponded Field 5.
8	Pump Station	26"HBC30 Centrifugal pump. Lift OLF to Block 2 Reservoir or supply channel.
9 & 10	Pump Station	2x26"HBC30 Centrifugal pumps. Lift OLF and tailwater to Block 1 Reservoir, supply channel or Ponded field 9.
11	Diversion Bank	3,870 m Levee to divert OLF from Booberanna Creek catchment to pipe inlet at pump station (6 & 7). Also functions as flood levee.
12	Below-ground Channel	600 m below ground channel. Flat bed channel.
13	Below-ground Channel	3,200 m below ground channel. Flat bed channel.
14	Below-ground Channel	1,460 m below ground channel. Flat bed channel.
15	Below-ground Channel	2,800 m below ground channel. Captured water diverted to lift pump at 9 & 10.

RTI DL RELEASE - DNRM

Rev	By	Description	Approved	Date
A	AB	FOR INFORMATION		

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WWW.SUDHOLZ.COM.AU
ACN: 009 989 968
ABN: 25 215 374 671

CLIENT: DB & KA COULTON

PROJECT: NEILO OLF NOTIFICATION

Scale at A4			
Designed	AAB	Date	21/06/05
Drafter	AAB	Date	21/06/05
Draft check		Date	
Approved		Date	

PLAN OF EXISTING WORKS

Datum: N/A | Contour Int.: N/A

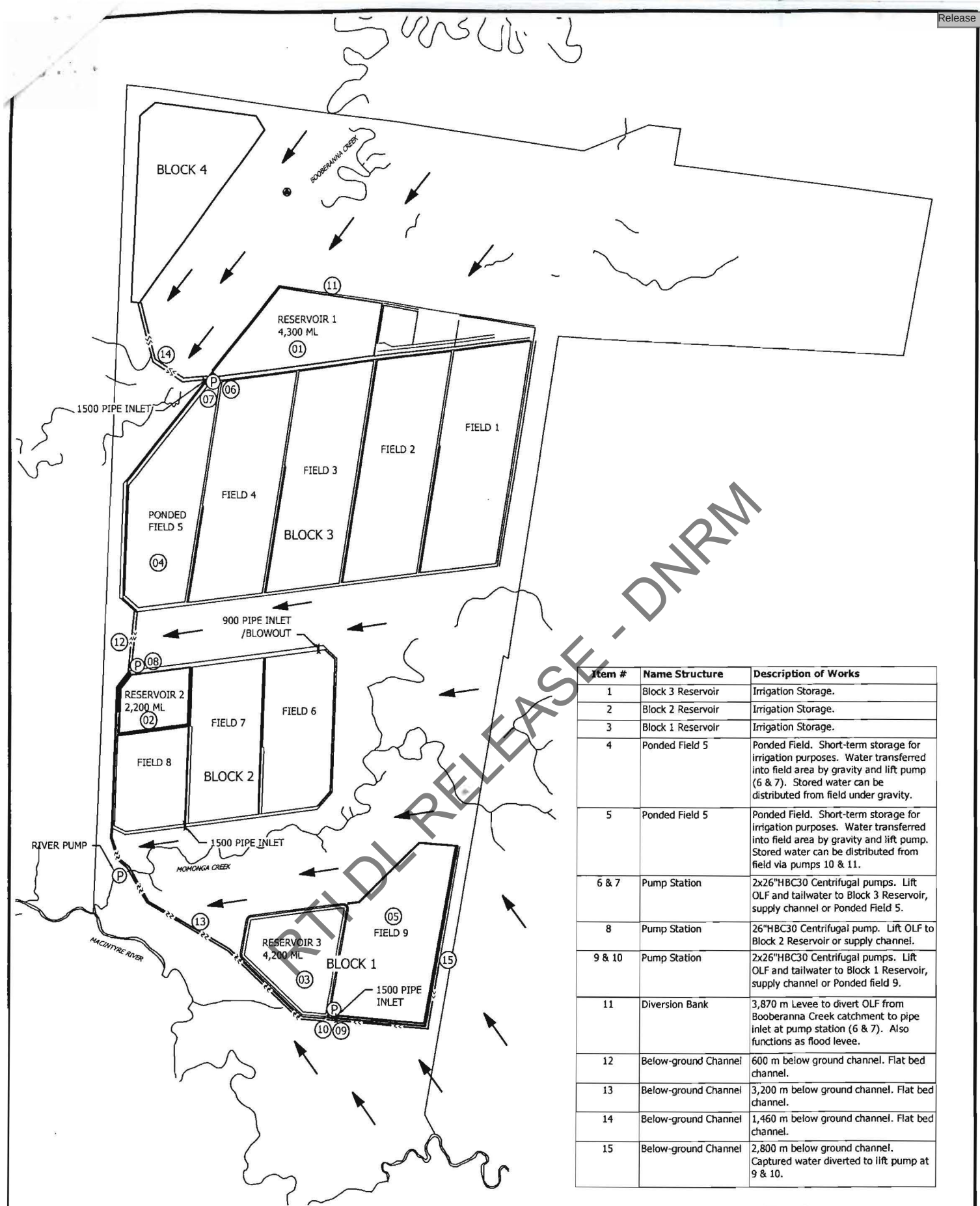
Drawing No. 05062-01

Sheet 1 of 1

Revision. A

Construction only RTI 13-063 17 of 2471

Release



Item #	Name Structure	Description of Works
1	Block 3 Reservoir	Irrigation Storage.
2	Block 2 Reservoir	Irrigation Storage.
3	Block 1 Reservoir	Irrigation Storage.
4	Ponded Field 5	Ponded Field. Short-term storage for irrigation purposes. Water transferred into field area by gravity and lift pump (6 & 7). Stored water can be distributed from field under gravity.
5	Ponded Field 5	Ponded Field. Short-term storage for irrigation purposes. Water transferred into field area by gravity and lift pump. Stored water can be distributed from field via pumps 10 & 11.
6 & 7	Pump Station	2x26"HBC30 Centrifugal pumps. Lift OLF and tailwater to Block 3 Reservoir, supply channel or Ponded Field 5.
8	Pump Station	26"HBC30 Centrifugal pump. Lift OLF to Block 2 Reservoir or supply channel.
9 & 10	Pump Station	2x26"HBC30 Centrifugal pumps. Lift OLF and tailwater to Block 1 Reservoir, supply channel or Ponded field 9.
11	Diversion Bank	3,870 m Levee to divert OLF from Booberanna Creek catchment to pipe inlet at pump station (6 & 7). Also functions as flood levee.
12	Below-ground Channel	600 m below ground channel. Flat bed channel.
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14	Below-ground Channel	1,460 m below ground channel. Flat bed channel.
15	Below-ground Channel	2,800 m below ground channel. Captured water diverted to lift pump at 9 & 10.

RTI DL RELEASE - DNRM

Rev	By	Description	Approved	Date
A	AB	FOR INFORMATION		

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ACN: 009 989 968
ABN: 25 215 374 671

CLIENT: DB & KA COULTON

PROJECT: NEILO OLF NOTIFICATION

Scale at A4			
Designed	AAB	Date	21/06/05
Drafter	AAB	Date	21/06/05
Draft check		Date	
Approved		Date	

PLAN OF EXISTING WORKS

Datum: N/A | Contour Int.: N/A

Drawing No. 05062-01

Sheet 1 of 1

Revision A

Collection of

G:\Projects Current\05062 - Neilo Overland Flow Submission\DWG\05062_BASE.dwg, 05062-PLAN, 24/06/2005 10:46:50

Release

THE INFORMATION CONTAINED IN THIS REPORT INCORPORATES
INFORMATION OBTAINED FROM SOURCES OUTSIDE THIS DEPARTMENT.
WHILST EVERY EFFORT IS MADE TO VERIFY THE ACCURACY OF SUCH INFORMATION,
THE DEPARTMENT IS UNABLE TO GUARANTEE SUCH INFORMATION.

Prop Status: Active
District : BORDER
Office : BDER:WARWICK
LG/Div : 7100 WAGGAMBA Prop ID: 1075850 WTR: 981 Previous Ref: 3410268

Prop Name :
Prop Addr : NEILO RD, BUNGUNYA QLD 4494

Owner (VOLA): DAVID BOYD & KIM ALEXANDRA COULTON
Service Addr: PO BOX 616, GOONDIWINDI, QLD 4390
Others : N

RPD : L1 CVN160:PAR TARABA
Area/Vol : 4,784 HA

Zoning : 0 NOT ZONED SMA: 22
Prim L/Use : 60 SHEEP GRAZING-DRY Sec L/Use: 65 CATTLE BREEDING & FATTENING
Prop Type : ISSUING Prop Tenure: FREEHOLD

VALUATION INFORMATION

ISSUING	UV	D/Eff: 30/06/2002	D/Valn: 01/10/2001	Value: $800,000	S/C: 21	D/Iss: 25/02/2002
ISSUING	UV	D/Eff: 30/06/2006	D/Valn: 01/10/2005	Value: $1,100,000	S/C: 21	D/Iss: 27/02/2006

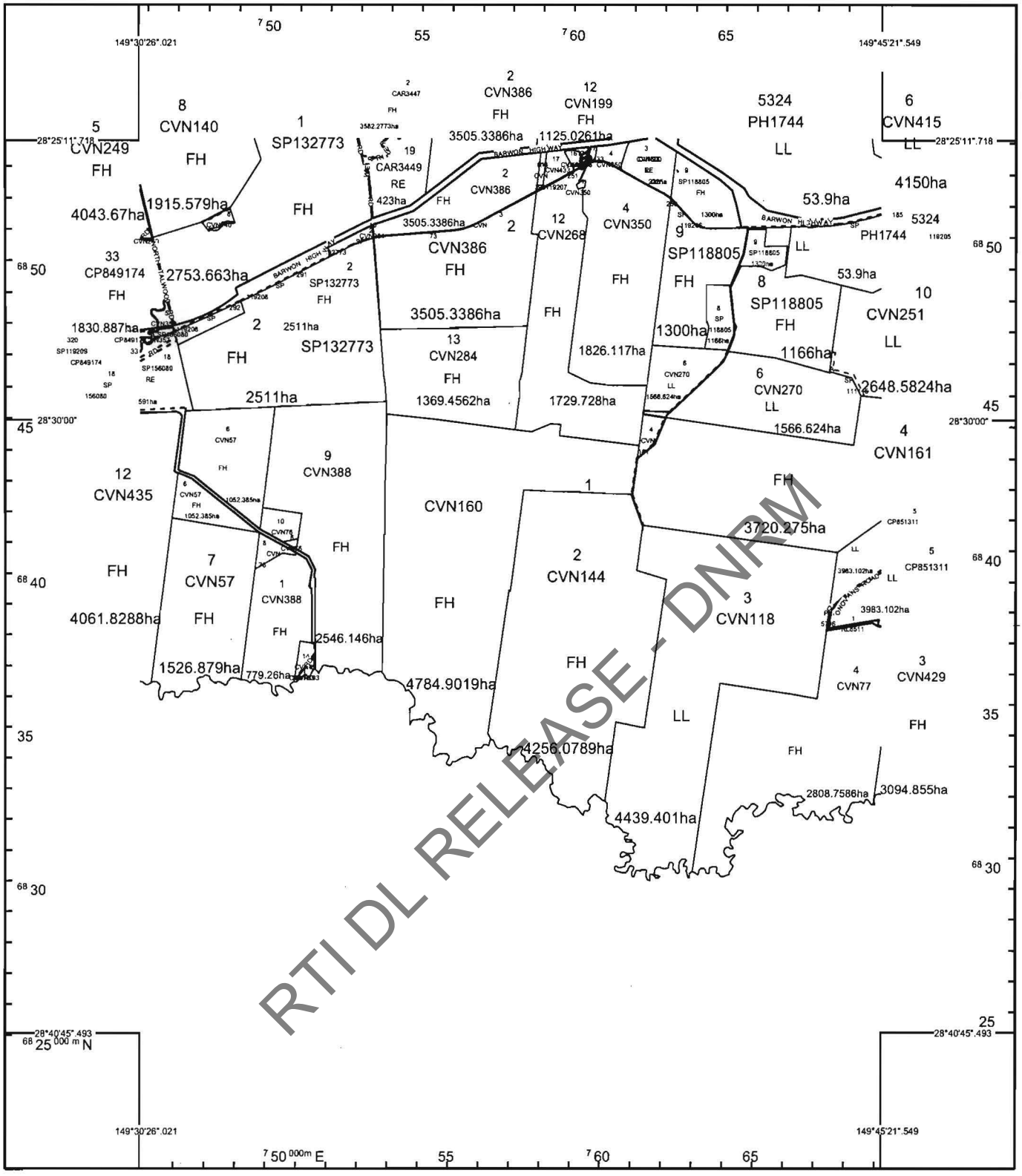
Change Date : 11/10/1999 Sale Price: $2,955,937 Sale Type: NORMAL SALE

Subleased : N

*** End Of Report ***

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Release



RTI DL RELEASE - DNRM

STANDARD MAP NUMBER
8840-41433

0 3.5 7.0 10.5 14.0 17.5 km

HORIZONTAL DATUM:GDA94 ZONE:55 SCALE 1 : 175000

MAP WINDOW POSITION & NEAREST LOCATION

149°37'53".785
28°32'58".605
BUNGUNYA
13.70 KM

GDA

SUBJECT PARCEL DESCRIPTION

DCDB

Lot/Plan	1/CVN160
Area/Volume	4784.9019ha
Tenure	FREEHOLD
Local Government	WAGGAMBA SHIRE
Locality	BUNGUNYA
Parish	TARABA
County	CARNARVON
Parcel/Segment	17/45891

CLIENT SERVICE STANDARDS

PRINTED (dd/mm/yyyy) 09/05/2006

DCDB 08/05/2006 (Lots with an area less than 50000 square metres are not shown)

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For further information on SmartMap products visit http://www.nrm.qld.gov.au/property/mapping/blinmap

SmartMap

An External Product of SmartMap Information Services

Based upon an extraction from the Digital Cadastral Data Base

Queensland Government

Natural Resources and Mines

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Queensland Government
Natural Resources and Mines

NOTIFICATION OF EXISTING OVERLAND FLOW WORKS
(Water Act 2000)

Section 1

Purpose of this form

For the notification of works that allow the taking of overland flow water. Please refer to appropriate guidelines when completing this form.
Works that take overland flow water and are used solely for stock and domestic purposes must not be notified.

PART A Owner Details

NRM Client Number *(if known)*

Name *Specify the full name(s) of all owners or registered lessees of the land on which the works are situated*

DAVID COULTON
KIM COULTON

Attention (Optional) *eg, Principal, Secretary, Managing Director*

DB COULTON

Mailing Address *All correspondence will be delivered to this address*

PO BOX 616
GOONDIWINDI

State QLD Postcode 4390 Country *If not Australia* AUSTRALIA

Contact Person's Details *(if different from above)* Title ☐ Mr ☐ Mrs ☐ Ms ☐ Miss ☐ Other *please specify*

Given Name
Last Name
Preferred Phone | Alternate Phone | Facsimile
Email Address

PART B Declaration *Authorised party to complete and sign the declaration below*

I do solemnly and sincerely declare, that being a person authorised by the owners of the land mentioned in Part F. the information contained in this notice is true to the best of my knowledge and that all the works identified in this form were legally constructed either prior to the introduction of the moratorium for the area or in accordance with the moratorium and I make this solemn declaration conscientiously believing the same to be true and by virtue of the provisions of the *Oaths Act 1867*.

Name: sch4p4(6) Personal information
Signature:
Date: 22 . 6 2005
Witnessed by: sch4p4(6) Personal information
Witness signature:
Date: 22 : 6 . 2005

COMMISSIONER FOR DECLARATIONS
Reg. No. 3379

PLEASE NOTE:
All Signatures must be witnessed by a Justice of the Peace, Solicitor or other person recognised under the *Oaths Act 1867*.

Dept Natural Resources & Mines

Use of this Information

This information is collected under the authority of the *Water Act 2000* and the *Integrated Planning Act 1997* for the purpose of ensuring the sustainable management and efficient use of water and other resources. This information will be publicly viewable at any Department of Natural Resources and Minesoffice.

28 JUN 2005
RESOURCES
TOOWOOMBA
27 JUN 2005

OFFICE USE ONLY	Application Number	Client Number	Number of Attachments	Catchment Water Code
	133987	14823	2	416 01 OLF
	Notification Date	Initials	Notification Number	
	27, 6, 05		404244	

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PART C General Location of Works

Name of Local Authority *(eg Shire, Town)*

WAGGAMBA SHIRE

Water Resource Plan Area *(Please tick)*

☑ Border Rivers ☐ Condamine-Balonne ☐ Moonie ☐ Warrego/Paroo/Bulloo/Nebine ☐ Fitzroy ☐ Georgina/Diamantina

Local Catchment *(eg Emu Creek)*

MACINTYRE RIVER

PART D Layout of Works on a Property

Sketch a plan showing the location of all overland flow works. Include property boundaries, Lot / Plan descriptions, watercourses, existing licensed works associated with watercourses, the overland flow path/s. Each dam/storage, pump or other works included on the plan should be numbered and details of the works shown under Parts G and H on the following page.

Features such as channels, drains and levees that direct water from an overland flow path into a dam/storage should be included in the sketch.

This sketch should only reflect the actual linkages that exist between various infrastructure components and should be made in black ink so that it is suitable for electronic scanning.

N

PLEASE REFER TO ATTACHED PLAN (Dwg # 05062-1)

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Alternatively, provide a layout of works on an A4 size property map.

PART E Summary of Works *Complete this section only once*

Total number of storages / dams: 5

Estimated total storage capacity: 13,580 *megalitres*

PART F Real property description of land on which works and benefited lands are located

Lot	Plan	Lot	Plan
1	CNN 160		

Section 2 of this form should be completed as many times as required for each overland flow storage and ancillary works

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Section 2

A separate sheet should be completed for each overland flow storage and ancillary works

(This page may be copied as many times as necessary for this purpose)

PART G Details of Major Works

Storage Number s.73 irrelevant information Storage Name s.73 irrelevant information

STORAGE / DAM or EXCAVATION

Source of all water stored:

Gravity fed overland flow ☐ Pumped overland flow ☑

Water from a watercourse, lake or spring ☐ ➢ Provide details of any water licence numbers

Underground Water ☐ ➢ Provide details of any water licence numbers

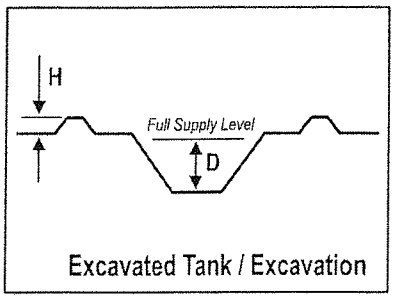
Other ☐ ➢ *(Please describe)*

Type of storage:

Excavated tank ☐

Excavation ☐

For these types of storages use this example to complete the dimensions section below

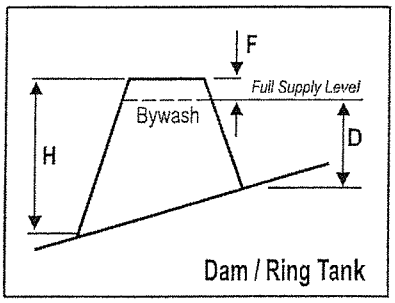


Excavated Tank / Excavation

Dam ☐

Ring tank s.73 irrelevant information

For these types of storages use this example to complete the dimensions section below



Dam / Ring Tank

Is this storage a natural lake or lagoon which has not been used as an irrigation storage ☐ Yes ☑ No

Is this storage a bunded area which has not been used as an irrigation storage ☐ Yes ☑ No

Has this storage been used for a purpose other than stock and domestic supply s.73 irrelevant information ☐ Yes ☐ No

Provide the following dimensions for each storage:

Maximum depth at full supply level (D) s.73 irrelevant information metres

Height to top (H) s.73 irrelevant information metres

Maximum volume megalitres

Maximum surface area at full supply level hectares

Freeboard (F) metres

Does this storage have a bywash ☐ Yes ☐ No s.73 irrelevant information

Construction date: s.73 irrelevant information

Purpose *(please specify)*

Location of storage: Lot ☐ Plan s.73 irrelevant information

OFFICE USE ONLY Works Number: s.73 irrelevant information

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Section 2

A separate sheet should be completed for each overland flow storage and ancillary works

(This page may be copied as many times as necessary for this purpose)

PART G Details of Major Works

Storage Number: 2 Storage Name: BLOCK 2 RESERVOIR

STORAGE / DAM or EXCAVATION

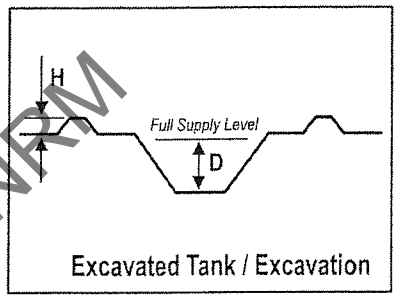
Source of all water stored:

- Gravity fed overland flow ☐ Pumped overland flow ☑
- Water from a watercourse, lake or spring ☐ ➤ Provide details of any water licence numbers
- Underground Water ☐ ➤ Provide details of any water licence numbers
- Other ☐ ➤ *(Please describe)*

Type of storage:

- Excavated tank ☐
- Excavation ☐

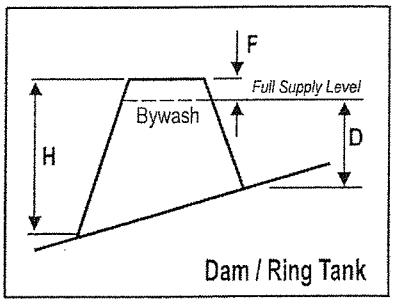
For these types of storages use this example to complete the dimensions section below



Excavated Tank / Excavation

- Dam ☐
- Ring tank ☑

For these types of storages use this example to complete the dimensions section below



Dam / Ring Tank

Is this storage a natural lake or lagoon which has not been used as an irrigation storage	☐ Yes	☑ No
Is this storage a bunded area which has not been used as an irrigation storage	☐ Yes	☑ No
Has this storage been used for a purpose other than stock and domestic supply	☑ Yes	☐ No

Provide the following dimensions for each storage:

Maximum depth at full supply level (D)	7.2	metres
Height to top (H)	6.2	metres
Maximum volume	2,200.0	megalitres
Maximum surface area at full supply level	,38.6	hectares
Freeboard (F)	0.9	metres

Does this storage have a bywash ☐ Yes ☑ No

Construction date: 13 06 2001

Purpose *(please specify)*: IRRIGATION SUPPLY

Location of storage: Lot 1 Plan CUN 160

OFFICE USE ONLY — Works Number: 28653

Application No.: 133988

Notification No.: 404245

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Section 2

A separate sheet should be completed for each overland flow storage and ancillary works

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PART G Details of Major Works

Storage Number: 3 Storage Name: BLOCK 1 RESERVOIR

STORAGE / DAM or EXCAVATION

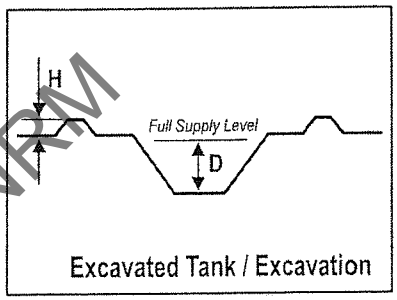
Source of all water stored:

- Gravity fed overland flow ☐ Pumped overland flow ☑
- Water from a watercourse, lake or spring ☐ ➤ Provide details of any water licence numbers
- Underground Water ☐ ➤ Provide details of any water licence numbers
- Other ☐ ➤ *(Please describe)*

Type of storage:

- Excavated tank ☐
- Excavation ☐

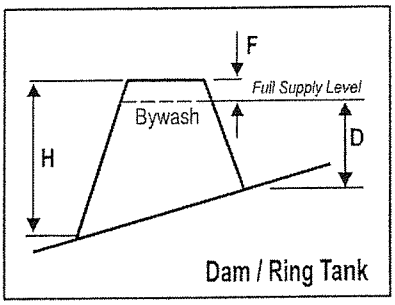
For these types of storages use this example to complete the dimensions section below



Excavated Tank / Excavation

- Dam ☐
- Ring tank ☑

For these types of storages use this example to complete the dimensions section below



Dam / Ring Tank

Is this storage a natural lake or lagoon which has not been used as an irrigation storage	☐ Yes	☑ No
Is this storage a bunded area which has not been used as an irrigation storage	☐ Yes	☑ No
Has this storage been used for a purpose other than stock and domestic supply	☑ Yes	☐ No

Provide the following dimensions for each storage:

Maximum depth at full supply level (D)	7.0	metres
Height to top (H)	6.0	metres
Maximum volume	4,200.0	megalitres
Maximum surface area at full supply level	,83.2	hectares
Freeboard (F)	0.9	metres

Does this storage have a bywash ☐ Yes ☑ No

Construction date: 30 05 2002

Purpose *(please specify)*: IRRIGATION SUPPLY

Location of storage: Lot 1 Plan CUN 160

OFFICE USE ONLY — Works Number: 28654

Application No.: 133989

Notification No.: 404246

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Section 2

A separate sheet should be completed for each overland flow storage and ancillary works

(This page may be copied as many times as necessary for this purpose)

PART G Details of Major Works

Storage Number [s.73 irrelevant information] Storage Name [s.73 irrelevant information]

STORAGE / DAM or EXCAVATION

Source of all water stored:

Gravity fed overland flow [✓] Pumped overland flow [✓]

Water from a watercourse, lake or spring [ ] ➤ Provide details of any water licence numbers

Underground Water [ ] ➤ Provide details of any water licence numbers

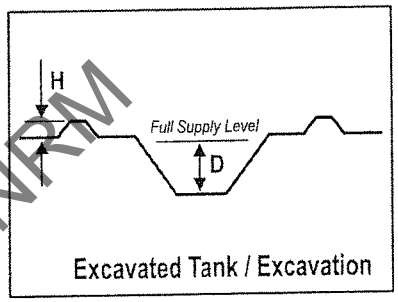
Other [ ] ➤ *(Please describe)*

Type of storage:

Excavated tank [ ]

Excavation [ ]

For these types of storages use this example to complete the dimensions section below



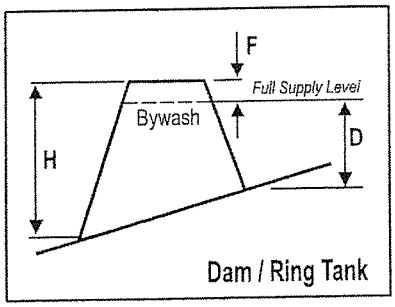
Excavated Tank / Excavation

Dam [ ]

Ring tank [ ]

For these types of storages use this example to complete the dimensions section below

[s.73 irrelevant information]



Dam / Ring Tank

Is this storage a natural lake or lagoon which has not been used as an irrigation storage [ ] Yes [✓] No

Is this storage a bunded area which has not been used as an irrigation storage [ ] Yes [✓] No

Has this storage been used for a purpose other than stock and domestic supply [✓] Yes [ ] No

Provide the following dimensions for each storage:

Maximum depth at full supply level (D) [sch3(7) Information subject to legal professional privilege] metres

Height to top (H) metres

Maximum volume [ ][ ] , megalitres

Maximum surface area at full supply level [ ] , hectares

Freeboard (F) metres

Does this storage have a bywash [ ] Yes [s.73 irrelevant information] No

Construction date: [s.73 irrelevant information]

Purpose *(please specify)*

Location of storage: Lot [ ] Plan [ ] [s.73 irrelevant information]

OFFICE USE ONLY Works Number [s.73 irrelevant information]

Application No.: [s.73 irrelevant information]

[s.73 irrelevant information] [s.73 irrelevant information]

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Section 2

A separate sheet should be completed for each overland flow storage and ancillary works

(This page may be copied as many times as necessary for this purpose)

PART G Details of Major Works

Storage Number: 5 Storage Name: PONDED FIELD 9

STORAGE / DAM or EXCAVATION

Source of all water stored:

Gravity fed overland flow [✓] Pumped overland flow [✓]

Water from a watercourse, lake or spring [ ] ➤ Provide details of any water licence numbers [ ]

Underground Water [ ] ➤ Provide details of any water licence numbers [ ]

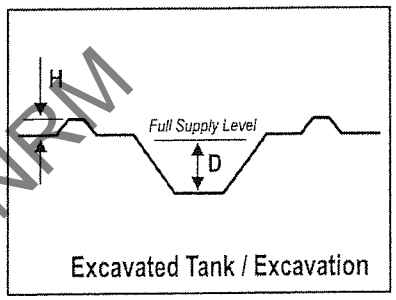
Other [ ] ➤ *(Please describe)* [ ]

Type of storage:

Excavated tank [ ]

Excavation [ ]

For these types of storages use this example to complete the dimensions section below



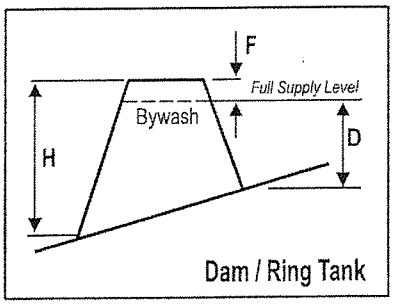
Excavated Tank / Excavation

Dam [ ]

Ring tank [ ]

For these types of storages use this example to complete the dimensions section below

PONDED FIELD [✓]



Dam / Ring Tank

Is this storage a natural lake or lagoon which has not been used as an irrigation storage [ ] Yes [✓] No

Is this storage a bunded area which has not been used as an irrigation storage [ ] Yes [✓] No

Has this storage been used for a purpose other than stock and domestic supply [✓] Yes [ ] No

Provide the following dimensions for each storage:

Maximum depth at full supply level (D): 1.2 metres

Height to top (H): 2.0 metres

Maximum volume: 1,900.0 megalitres

Maximum surface area at full supply level: 153.7 hectares

Freeboard (F): 0.3 metres

Does this storage have a bywash [ ] Yes [✓] No

Construction date: 30 05 2002 D.A.C.

Purpose *(please specify)*: SHORT TERM STORAGE, IRRIGATION SUPPLY

Location of storage: Lot 1 Plan CUN 160 2

OFFICE USE ONLY — Works Number: 28656

Application No.: 133992

Notification No.: 404248

RTI DL RELEASE - DNRM

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Release

PART H Details of Ancillary or Other Works

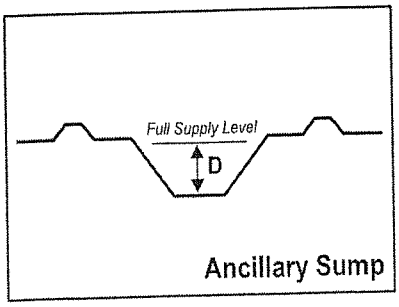
ANCILLARY SUMP used to take overland flow water

Provide the following details regarding sumps, return channels and similar excavations

Estimated Depth (D) [ ][ ] . [ ] metres

Estimated Capacity [ ] , [ ][ ][ ] . [ ] megalitres

Estimated Maximum Surface Area [ ] , [ ][ ][ ] . [ ] hectares



Ancillary Sump

Location of sump: Lot 1 Plan CUN 160

OFFICE USE ONLY — Works Number:

PUMPS used to take overland flow water

Provide the following details of existing pump units used to take overland flow

Number of pumps 5

Pump Unit Number	Type	Metered (yes/no)	Pump Size			
			Inlet / Bore (mm)	Outlet / Stroke (mm)	Discharge (litres/second)	Duty Head (metres)
6	26" HBC 30		660	660	1850 l/s	6.5
7	"		"	"	"	"
8	"		"	"	"	7
9	"		"	"	"	7
10	"		"	"	"	11

Location of pumps: Lot 1 Plan CUN 160

OFFICE USE ONLY — Works Number: (6) 28657 (8) 28659 (10) 28661 (7) 28658 (9) 28660

DIVERSION CHANNELS or BANKS / LEVEES / DRAINS used to take overland flow water

Works that direct overland flow water, such as levees, diversion banks or drains, into a dam/storage from an overland flow path are required to be shown in Part D of the "Notification Form".

Provide a description of these works as per numbering on the sketch in Part D (maximum 250 characters).

eg: *(1) 1.5 km diversion bank*
(2) 0.6 km below-ground catch drain
(3) etc

(11) 3.87 Km Diversion bank to Reservoir 1 inlet (flat bed)
(12) 600 m below-ground catch drain to Reservoir 2 (flat bed)
(13) 3,200 m below-ground catch drain to Reservoir 3 (flat bed)
(14) 1,460 m below-ground catch drain to Reservoir 1
(15) 3,800 m below-ground catch drain to Reservoir 3

Location of channels / drains: Lot 1 Plan CUN 160

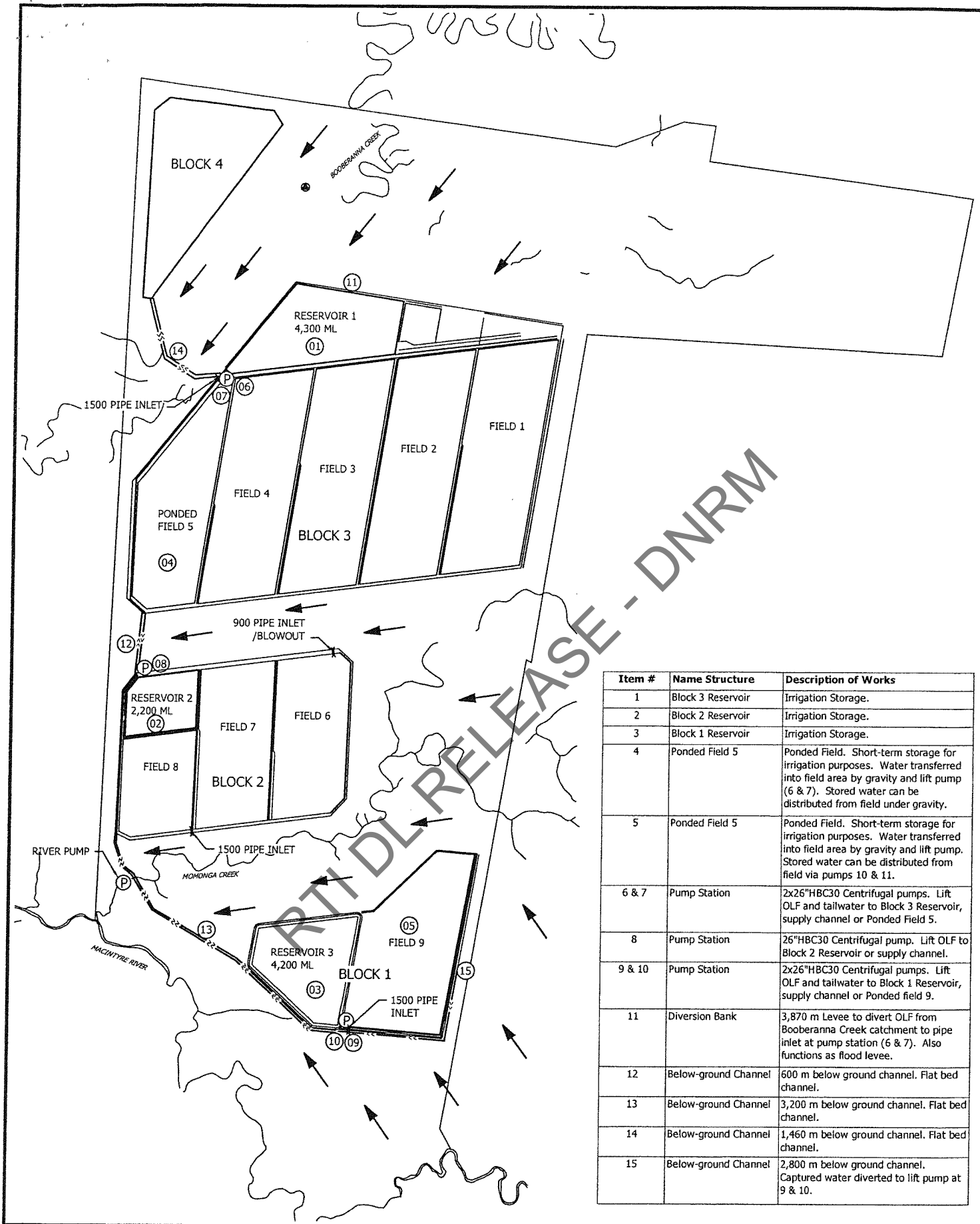
OFFICE USE ONLY — Works Number: 11 s.73 irrelevant information
12 28746
13 28747
14 s.73 irrelevant information
15 s.73 irrelevant information

Application No.: 134381
Notification No.: 404376

RTI RELEASE - DNRM

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Release



Item #	Name Structure	Description of Works
1	Block 3 Reservoir	Irrigation Storage.
2	Block 2 Reservoir	Irrigation Storage.
3	Block 1 Reservoir	Irrigation Storage.
4	Ponded Field 5	Ponded Field. Short-term storage for irrigation purposes. Water transferred into field area by gravity and lift pump (6 & 7). Stored water can be distributed from field under gravity.
5	Ponded Field 5	Ponded Field. Short-term storage for irrigation purposes. Water transferred into field area by gravity and lift pump. Stored water can be distributed from field via pumps 10 & 11.
6 & 7	Pump Station	2x26"HBC30 Centrifugal pumps. Lift OLF and tailwater to Block 3 Reservoir, supply channel or Ponded Field 5.
8	Pump Station	26"HBC30 Centrifugal pump. Lift OLF to Block 2 Reservoir or supply channel.
9 & 10	Pump Station	2x26"HBC30 Centrifugal pumps. Lift OLF and tailwater to Block 1 Reservoir, supply channel or Ponded field 9.
11	Diversion Bank	3,870 m Levee to divert OLF from Booberanna Creek catchment to pipe inlet at pump station (6 & 7). Also functions as flood levee.
12	Below-ground Channel	600 m below ground channel. Flat bed channel.
13	Below-ground Channel	3,200 m below ground channel. Flat bed channel.
14	Below-ground Channel	1,460 m below ground channel. Flat bed channel.
15	Below-ground Channel	2,800 m below ground channel. Captured water diverted to lift pump at 9 & 10.

RTI DL RELEASE - DNRM

Rev	By	Description	Approved	Date
A	AB	FOR INFORMATION		

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ACEA The Association of Consulting Engineers Australia

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SUDHOLZ
GOONDIWINDI
CONSULTING ENGINEERS
IRRIGATION & CIVIL DESIGN
EARTHWORKS & CIVIL CONSTRUCTION

SUDHOLZ PTY. LTD.
34 LAGOON STREET
GOONDIWINDI 4390
FAX: (07) 4671 2022
TEL: (07) 4671 1044
WEB PAGE: WWW.SUDHOLZ.COM.AU
ACN: 009 989 968
ABN: 25 215 374 671

CLIENT: DB & KA COULTON

PROJECT: NEILO OLF NOTIFICATION

Scale at A4			
Designed	AAB	Date	21/06/05
Drafter	AAB	Date	21/06/05
Draft check		Date	
Approved		Date	

PLAN OF EXISTING WORKS

Drawing No. 05062-01

Sheet 1 of 1

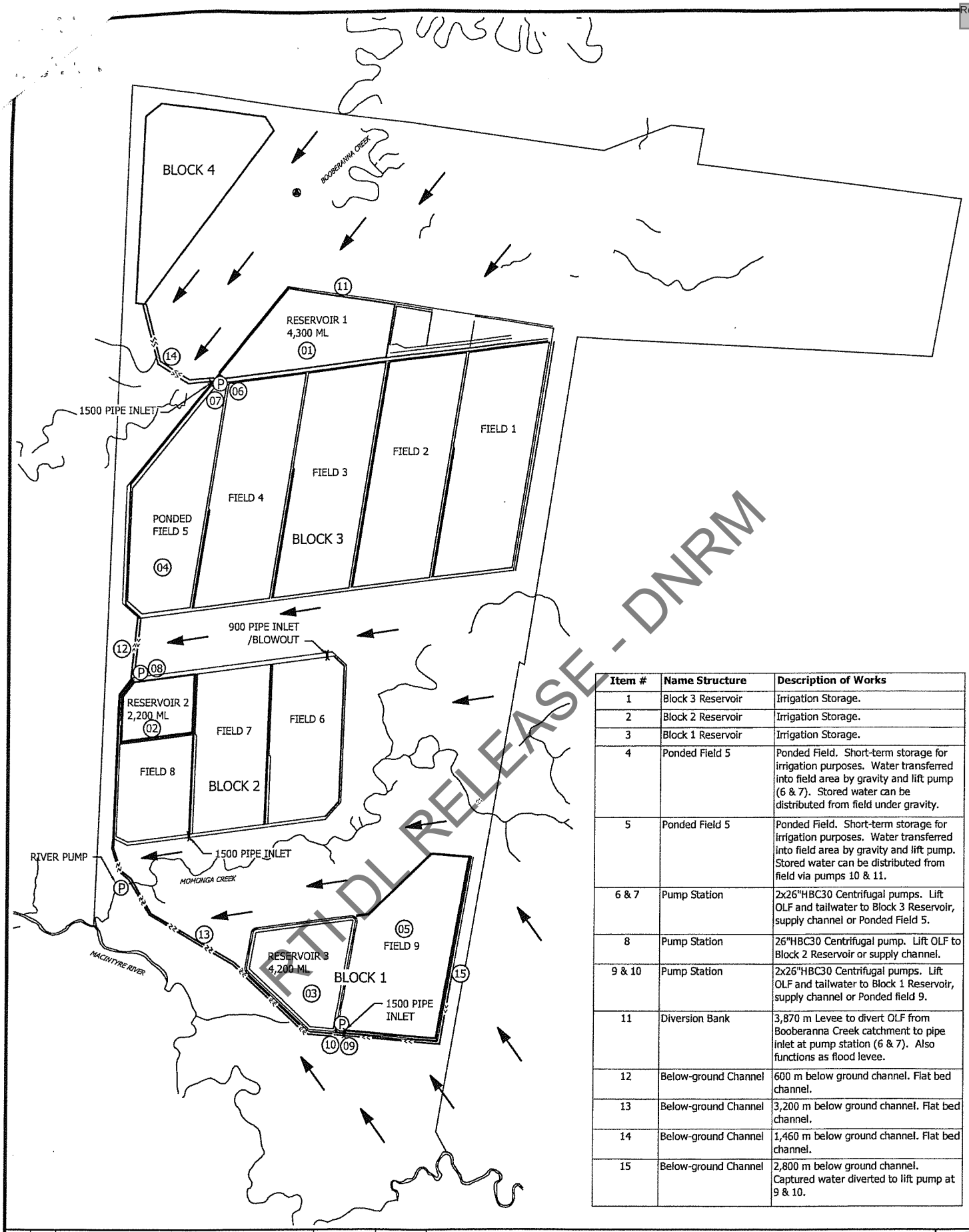
Revision. A

Datum: N/A | Contour Int.: N/A

Collection one RTI 13-063 29 of 247

G:\Projects Current\05062 - Neilo Overland Flow Submission\DWG\05062_BASE.dwg, 05062-PLAN, 24/06/2005 10:46:50

Release



RTI DL RELEASE - DNRM

Item #	Name Structure	Description of Works
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Rev	By	Description	Approved	Date
A	AB	FOR INFORMATION		

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ABN: 25 215 374 671

CLIENT: DB & KA COULTON

PROJECT: NEILO OLF NOTIFICATION

Scale at A4			
Designed	AAB	Date	21/06/05
Drafter	AAB	Date	21/06/05
Draft check		Date	
Approved		Date	

PLAN OF EXISTING WORKS

Datum: N/A | Contour Int.: N/A

Drawing No. 05062-01

Sheet 1 of 1

Revision. A

Collection one PT 13-063 30 of 247

G:\Projects Current\05062 - Neilo Overland Flow Submission\DWG\05062_BASE.dwg, 05062-PLAN, 24/06/2005 10:46:50

NOTE TO FILE

Thurs 30 August 2007-09-03

Following telephone conversation between Darcy Smith, Greg Embleton and Peter Brownhall and myself, it was decided to proceed with processing this OLF notification but only for storages and pumps.

No diversion channels, banks, etc were to be processed at this time.

This is to allow the storages to be included for the ROP as investigations are still ongoing in relation to this property – refer Peter Brownhall and Greg Embleton.

RTI DL RELEASE - DNRM

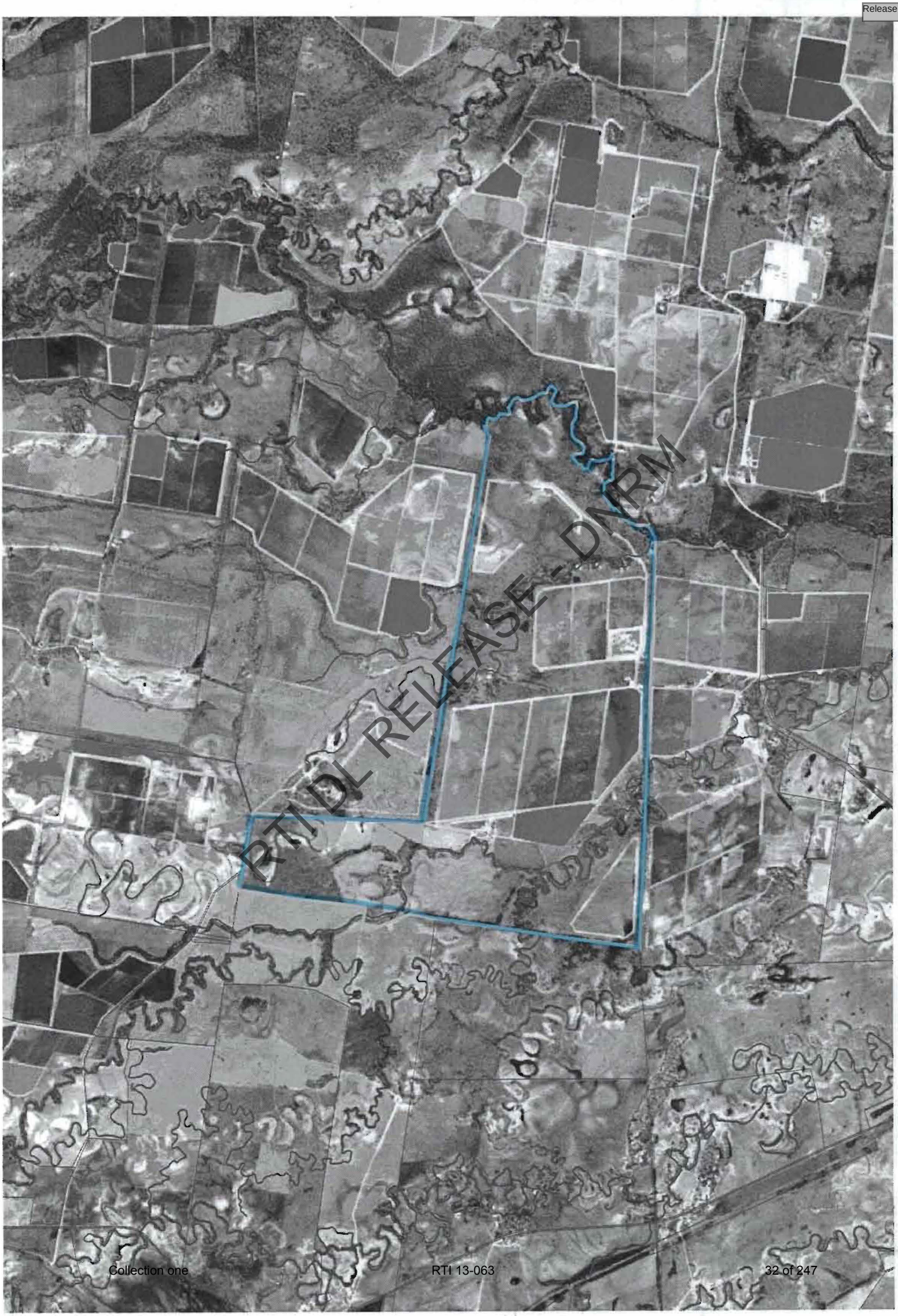
Signed

sch4p4(6) Personal information

Marcella Valenti
Administration Officer

PROCESSED
sch4p4(6) Personal information
4/9/07

Release



RTI DL RELEASE - DNRM

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RTI DL RELEASE - DNRM

Posted Book
28/6/06

Author: Carynn Dickfos
File/Ref Number:
Phone: 4671 6111

Queensland Government

15 June 2006

Department of
Natural Resources, Mines and **Water**

Mr DB Coulton
PO Box 616
GOONDIWINDI QLD 4390

Dear Mr Coulton,

I refer to the "Notification of Existing Overland Flow Works" form received from you at our Goondiwindi Office on 27 June 2005.

Unfortunately some critical parts of the form were incomplete. Subsequently the information contained within the form was unable to be registered. I have returned the original copy for you to complete.

To assist you in completing the form, I have highlighted the parts of the form that need to be completed. These are:

- **Part G – Details of Major Works – Construction Date (Storage No. 5)** This date should be the date that the dam, excavation or storage was completed in accordance with the dimensions entered on the notification form. If the completion date for the storage is not known, an estimate of the approximate year constructed is acceptable (eg 1978) or if the works already existed on purchase of the property and there are no records of construction dates, the sale possession date will also be acceptable.

Once these details are complete on the original notification form, please return it to the Goondiwindi office for further processing.

I apologise for the delay in requesting this additional information however the processing of notifications has been delayed due to the volume of notifications received.

If you have any further questions, please contact Carynn Dickfos on 4671 6111. I thank you for your cooperation in dealing with this matter.

Yours sincerely

sch4p4(6) Personal information

Greg Embleton
Natural Resource Officer
WATER MANAGEMENT & USE

GOONDIWINDI
NATURAL & MINES
30 JUN 2006
RESOURCES RECEIVED

State Government Offices, 24-26 McLean St
Locked Bag 4 GOONDIWINDI
Queensland 4390
Australia
Telephone + 61 7 (07) 4671 6100
Facsimile + 61 7 (07) 4671 3163
Website www.nrm.qld.gov.au

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FACSIMILE TRANSMISSION

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NATURAL RESOURCES

DATE: 15 September 2006

TO: Greg Embleton

FACSIMILE NO.: 07 4671 3163

FROM: Cella

SUBJECT: Coulton OLF Notification

NO. OF PAGES (INCLUDING COVER): 11

MESSAGE

Hi Greg

Following is the Coulton notification we were discussing. If you can have a look through and then let me know next Wed what you want done.

Thanx for your help

Cella

RTI DR RELEASE - DNRM

Enquiries to:
Government Officers, Cnr Guy & Fitzroy Streets, WARWICK QLD 4370
PO Box 2, WARWICK QLD 4370
Telephone: (07) 4661 0200 Facsimile: (07) 4661 5215
g:\resource management\admin\template\dnrfaxwk.dot

Release

MESSAGE CONFIRMATION

15/09/2006 13:41
ID=DEPT NATURAL RESOURCES AND MINES

DATE	S.R-TIME	DISTANT STATION ID	MODE	PAGES	RESULT	
15/09	05'21"	NRM-GOONDIWINDI	TX	11	OK	0000

15/09/2006 13:36 DEPT NATURAL RESOURCES AND MINES → 0746713163 NO.325 P01

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MORELLA
AGRICULTURE
ACN 055 021 620
ABN 45518842967

Morella Agriculture
P O Box 616
Goondiwindi QLD 4390
AUSTRALIA
Ph 07 46 762198 fax 07 46 762248
Email coulton@northnet.com.au

Mr Patrick Levings
Qld Government
Dept of Natural Resources and Mines
24-26 McLean St
GOONDIWINDI QLD 4390

Dear Mr Levings

RE: Completion of Moratorium Works
Ref number GOO/515/000(0059)

We wish to confirm with you that the works at our property "Neilo" have now been completed.

The works completed involved the installation of 2 caterpillar 26" pumps. The date of completion was August 15, 2002.

Many thanks for your co-operation.

Yours sincerely

sch4p4(6) Personal information

10/10/02.

Kim & David Coulton

Release

Water Management and Use
Prepared by: Seamus Parker
Manager, Water Reform
Brisbane
Telephone: 322 51903
IRM/325/000(0131)

2314/02

Ref [Minister's number]
CTS [number]

Mr David and Mrs Kim Coulton
Morella Agriculture
PO Box 616
Goondiwindi Qld 4390

Dear Mr and Mrs Coulton

I refer to your application of 27 November 2001 to vary the effect of the moratorium.

I wish to advise that I have approved your application and you are:

- granted until 30 August 2002 to complete the started works; and
- allowed to complete the works as requested in the application.

However, I would emphasise that, although your application has been approved, specification of a water entitlement for your property is subject to the outcome of the water resource planning process.

Should you have any queries regarding your extension, please contact Mr Robert Speed, Principal Policy Officer, Water Reform of my Department on telephone 3405 6989.

Yours sincerely

STEPHEN ROBERTSON MP

RTI DL RELEASE - DNRM

Release

Queensland Government
Department of Natural Resources

Moratorium Notice – *Water Act 2000*
Field Inspection Sheet

CLIENT DETAILS

Applicant Name: David & Kim Coulton **Date of submission:** 26/11/2001

Address: Morella Agriculture, PO Box 616 Goondiwindi Q4390 **Property description: Lot 1, CVN160**

Contact Phone Number/s: 0746 762 198

REPORT ON WORKS

Detailed description of project, proposed works, etc. *[include original documentation supplied by applicant as attachments]*

(1) Pump Station – 2 x 26" pumps
(2) Ring tanks (4,000 ML)
The project is part of an irrigation scheme of 2000 ha.

(please see the Department's letter dated November 16, 2001 and letter sent by applicant dated 8/12/2000 and plans of the proposed works)

Description of current status of works: *[include photos as attachments]*

The construction works for ring tank has been completed including pipe and gate works under embankment (See Photo-30). Excavation works on the pump site commenced (See Photo-29). Pump has been purchased and ordered for shipment from USA.

Description of work needed to complete project:

The applicant needs to complete installation 2 x 26" pumps.

RTI/DL RELEASE - DNRM

ASSESSMENT AGAINST STARTED CRITERIA

Does the applicant meet started criteria x **Yes** ❑ **No**

COMMENTS ON STARTED CRITERIA

Release

Queensland Government
Department of Natural Resources

Criteria	Comments
	See the Department's letter dated November 16, 2000. The application was for 2 ring tanks (4000 and 2000 ML) and 2 x 26" pumps. The applicant is currently seeking extension for 2 x 26" pumps installed to be for 4000 ML ring tank.

SUPPORTING DOCUMENTATION

List details of supporting documentation: *[ie photographs, drawings]*

Photographs and maps of the area attached.

RTI DL RELEASE - DNRM

NOTES OR ADDITIONAL COMMENTS SUPPLIED BY APPLICANT *[attach any additional written notes from applicant]*

(1) Please see the attached letter by applicant.
(2) It is very important for applicant that the proposal be approved as he has already ordered the pump and built the dam costing around $1 million. The works would have been completed if there had not been problems of unreliable supply with power provider as mentioned in the letter.

Does applicant wish to speak to panel? **x** **Yes** ❑ **No**

Release

Queensland Government
Department of Natural Resources

ACTION REQUIRED

Further Action/Information required? ❑ **Yes** x **No**

Any other comments? *[ie Comments on any consequences if completion not allowed]*

Comment by the Applicant:
The decision that completion not allowed might cause severe financial hardship to me, and therefore, I would be willing to take all steps necessary to avoid such consequences as it is no fault of my own, but the power company was misleading in our meetings to give continuity of electricity.

Prepared By: **Umapati Yadav** **Date of inspection:** **8/1/2002**

RTI DL RELEASE - DNRM

Release

Queensland Government
Department of Natural Resources

Moratorium Notice – *Water Act 2000*
Field Inspection Sheet

CLIENT DETAILS

Applicant Name: David Coulton & Kim Coulton **Date of submission:** 26/11/2001

Address: Morella Agriculture P.O. Box 616 Goondiwindi QLD 4390 **Property description:** Lot 1 CRN 160.

Contact Phone Number/s:

RTI DL RELEASE - DNRM

REPORT ON WORKS

Detailed description of project, proposed works, etc. *[include original documentation supplied by applicant as attachments]*

1) Pump site
2) Reservoir & main supply to Reservoir (4500 mL) Complete. Height = 5.3 m

This scheme is part of irrigation scheme of 2000 ~~4500~~ ha.

Description of current status of works: *[include photos as attachments]*

1) Pumps has been ordered from USA. 2x 26" pump - 175 mL/day. Caterpillar motor Chinese pumps.
2) Reservoir Complete
3) Excavation works carried out at pump site: see photo. Gate & pipe works complete. under Embankment

Description of work needed to complete project:

Installation of 2 pumps. mid March/April. They would arrive at the site in ~~June & July 2002~~. And the works are scheduled to be completed by July & August 2002.

Release

Queensland Government
Department of Natural Resources

ASSESSMENT AGAINST STARTED CRITERIA

Does the applicant meet started criteria ☑ **Yes** ☐ **No**

COMMENTS ON STARTED CRITERIA

Criteria	Comments
	Letter attached.

RTI DL RELEASE - DNRM

SUPPORTING DOCUMENTATION

List details of supporting documentation: *[ie photographs, drawings]*

1) Photographs of the proposed pump site.
2) Photographs of dam embankment completed.
3) Drawings attached.

NOTES OR ADDITIONAL COMMENTS SUPPLIED BY APPLICANT *[attach any additional written notes from applicant]*

See the attached letter by applicant.
(1) It is very important that the proposal be approved as I have already ordered the pump & built the dam. Cost of around $1 million. It would have been finished if there had not been unreliable power supply.

Does applicant wish to speak to panel? ☑ **Yes** ☐ **No**

Release

Queensland Government
Department of Natural Resources

ACTION REQUIRED

Further Action/Information required? ☐ **Yes** ☑ **No**

Any other comments? *[ie Comments on any consequences if completion not allowed]*

(1) Because of financial hardship this decision might cause, I would be willing to take all steps necessary to avoid such consequences, because of no fault of my own, the power company was misleading in our meetings to give continuity of electricity.

Prepared By: Umapati Yadav

Date of inspection: 8/1/2002

RTI DL RELEASE - DNRM

Release



Coulton Completed Storage

RTI DL RELEASE - DNRM



Coulton Pump Excavation

Shire Council
WAGGAMBA

WAGGAMBA SHIRE COUNCIL
We Serve the Community

82 Marshall Street (PO Box 212)
Goondiwindi Qld 4390

Ph: 07 4671 7400
Fax: 07 4671 7433

450/001/002 plc
00981-00000-000



4 December 2001

Natural Resources and Mines
Locked Bag 4
GOONDIWINDI QLD 4390

Dear Sir/Madam

As required by Chapter 26 By-Law 5(e) of the Council By-Laws, notice is hereby given to you, as adjoining owners, that an application has been made for approval of a Levee Bank Permit, details of which are set out hereunder.

Yours faithfully

sch4p4(6) Personal information

Peter Stewart
CHIEF EXECUTIVE OFFICER

RTI DL RELEASE - DNRM

WAGGAMBA SHIRE COUNCIL

Application for a Permit under Chapter 13 Part 5 of the Local Government Act 1993

01/02

NOTICE is hereby given that the undermentioned application for a permit under the provisions of Chapter 13 Part 5 of the Local Government Act 1993 has been made to the Waggamba Shire Council.

Applicant: **David and Kim Coulton**

Location of Work: Lot 1 on CVN160, Parish of Taraba, County of Carnarvon.

Proposed Work: Drains having a total length of 1,600 metres x 1.2 metres deep x 8.3 metres width of top x 3.5 metres width of base.

.../2

Release

A person, being the owner or occupier of land likely to be affected by the proposed work, may, in writing signed by that person and addressed to the Chief Executive Officer, Waggamba Shire Council, object to such application being granted and submit in writing to the Chief Executive Officer the grounds of such objection.

The application and plan are open to inspection at the Council's Office, 82 Marshall Street, Goondiwindi.

Monday, 14 January 2002, has been appointed as the last day for receipt of objections.

Dated at Goondiwindi this 3rd day of December, 2001.

Peter Stewart
CHIEF EXECUTIVE OFFICER

RTI DL RELEASE - DNRM

Release

SCHEDULE 1

WAGGAMBA SHIRE COUNCIL

APPLICATION FOR PERMIT GRANTED UNDER THE PROVISIONS OF CHAPTER 13 PART 5 OF THE LOCAL GOVERNMENT ACT 1993

THIS application is required to be made by the registered owner of freehold land or the registered lessee of Crown leasehold land.

I DAVID & KIM COULTON.

OF "NELLO"

in the Shire of Waggamba, being the owner/lessee of land situated as hereunder described, and shown on the accompanying plan, and upon which land is proposed to be constructed the work hereunder described, do hereby apply for a permit in respect of the said work.

(1) Name of Applicant: DAVID & KIM COULTON.

(2) Postal Address: BOX 616 GOONDIWINDI. 4390.

(3) Location of Work (See Also 10):

Property Description - LOT 1 ON CVN160.

Area - 4784.7ha. Parish - TARABA. County - CARNARVON

(4) Nature of Work: BELOW GROUND CHANNEL.

(5) Purpose of Work: SUPPLY WATER TO NORTHERN BLOCK (BLOCK 4).

(6) Particulars of Work: (If Levee Bank)

(a)	Total Length of Levee Bank:		Metres
(b)	Maximum Height:		Metres
(c)	Width of Top:		Metres
(d)	Width of Base:		Metres

(e) Materials of which bank will be constructed: _____

(f) If levee bank is one side of stream, is levee bank crest higher or lower than lowest point on opposite bank, and by how much? _____

(g) Height of top of bank above highest known flood level: _____

(7) Particulars of Work: (If Drain or Other Excavation)

(a)	Total Length:	1600.	Metres
(b)	Maximum Depth:	1.2m.	Metres
(c)	Width of Top:	8.3m	Metres
(d)	Width at Base:	3.5m.	Metres

(e) State Nature of Soil at Site: _____

RTI DL RELEASE - DNRM

Release

Shire Council
WAGGAMBA

WAGGAMBA SHIRE COUNCIL

82 Marshall Street (PO Box 212)
Goondiwindi Qld 4390

Ph: 07 4671 1211
Fax: 07 4671 2763

With Compliments

RTI DL RELEASE - DNRM

INFORMATION FOR APPLICANTS
Under Chapter 13 Part 5 of the Local Government Act 1993

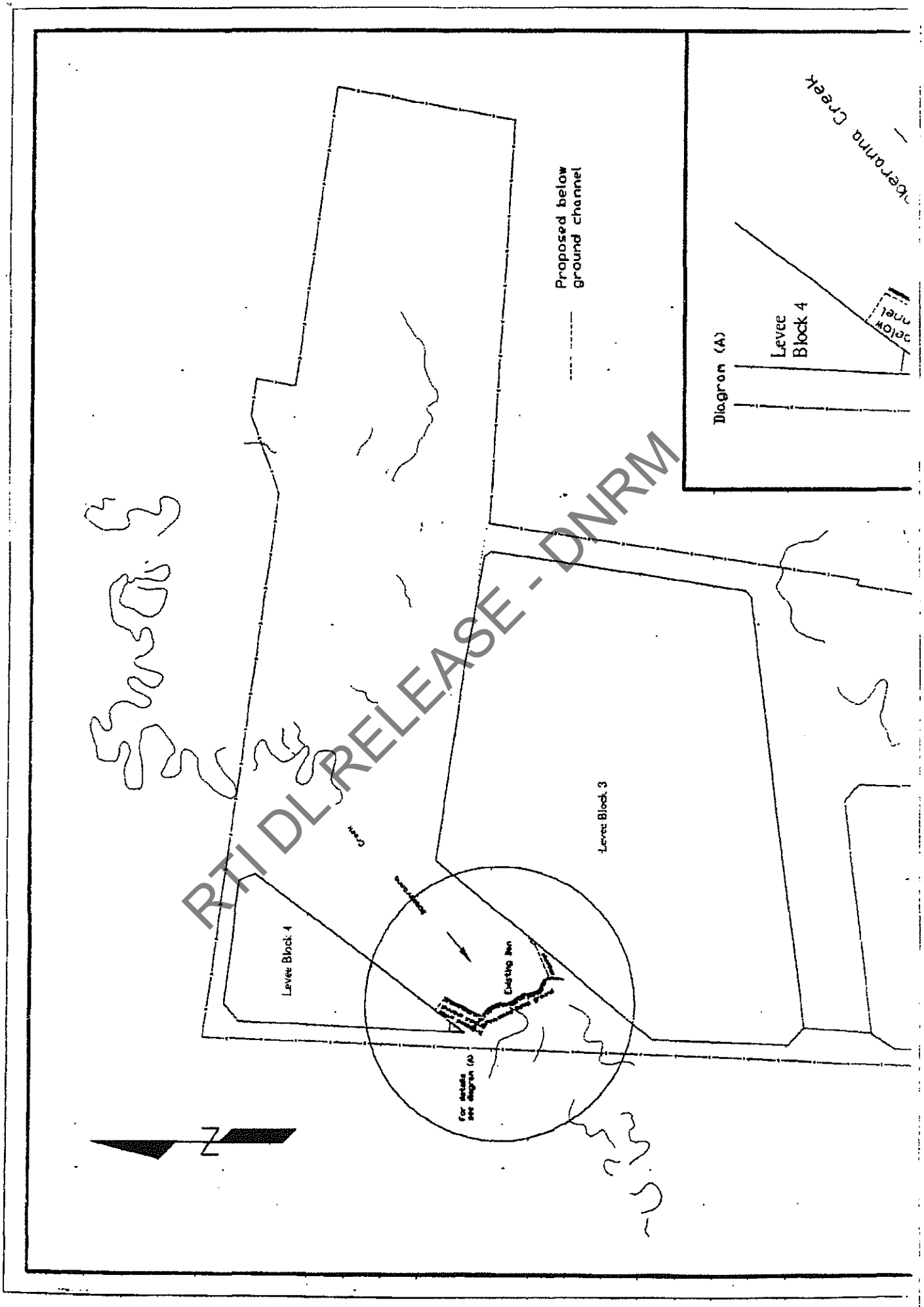
(1) If the applicant is purchasing the subject land, but the transfer documents have not yet been lodged for registration, he should ask the Solicitor handling the sale to contact the Council and advise of the present position of the transaction.

(2) In terms of the Local Government Act 1993, applications for permits are required to be advertised in accordance with the Council's By-Laws and, even if no objections are received or if objections are received and dismissed, there is no guarantee that the permit applied for will be granted.

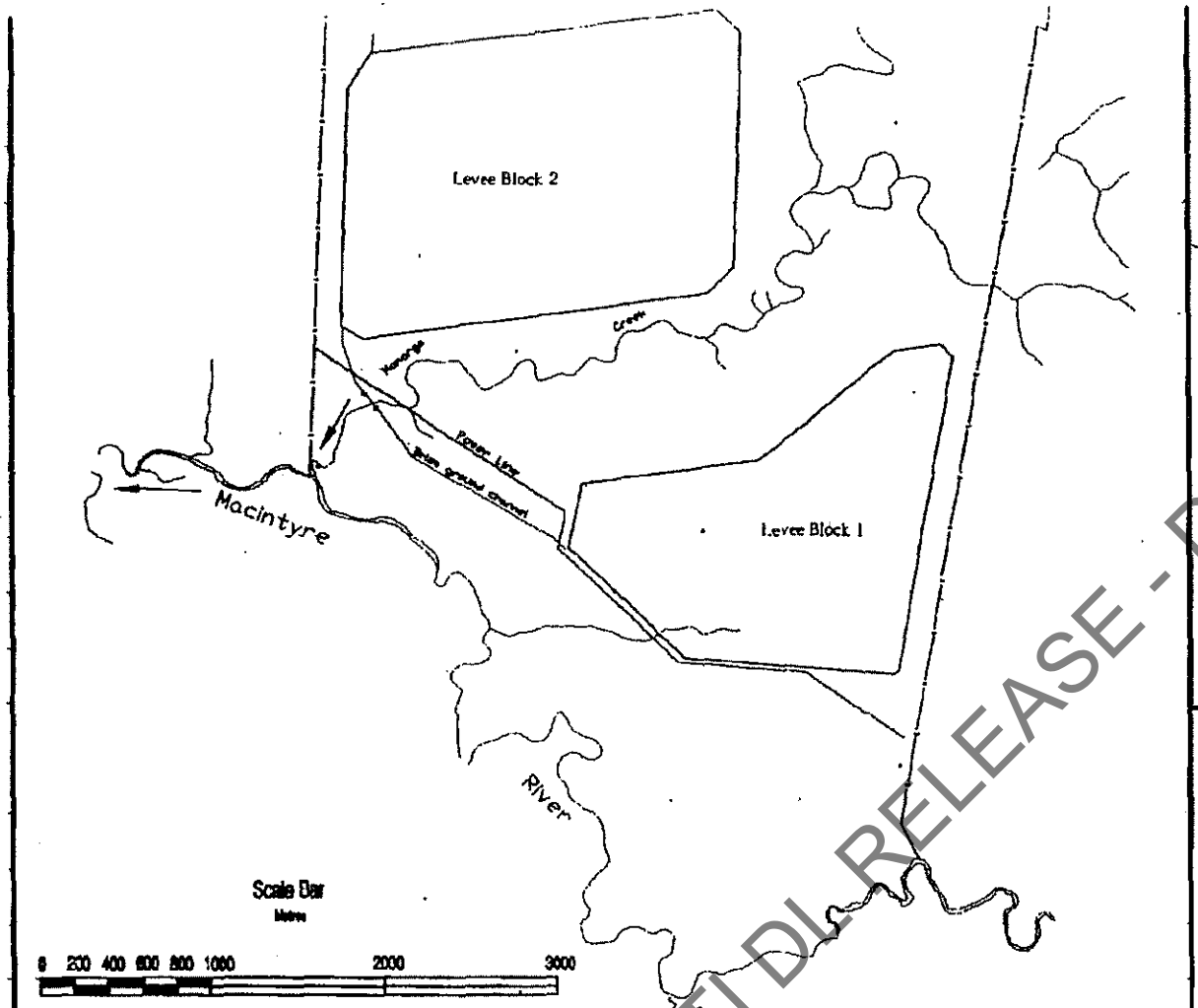
(3) The applicant is warned against taking any action to construct any work until a permit from the Council has be received.

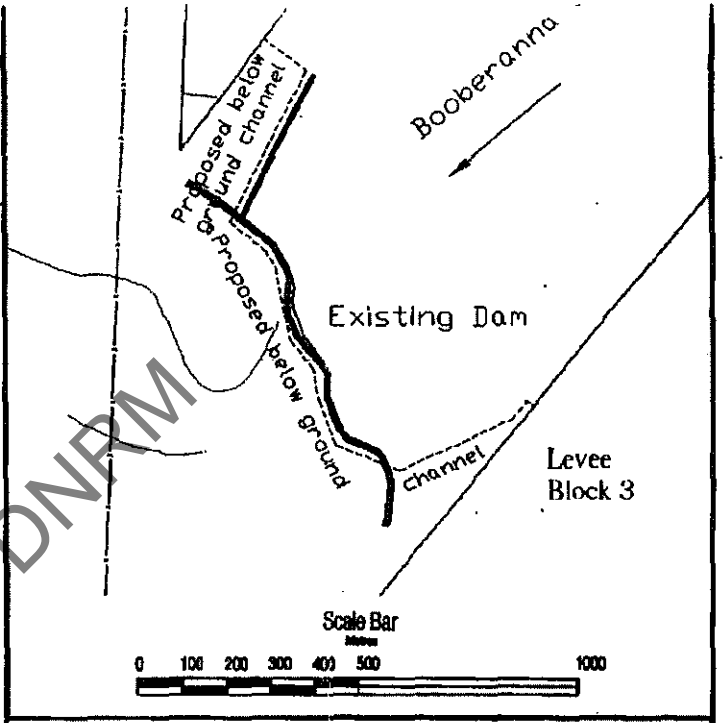
(4) All questions in relation to this application must be answered fully as failure to do so will lead to correspondence with consequent delay in dealing with the application.

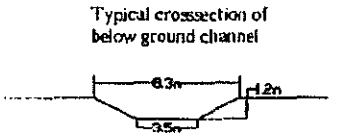
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RTI DLRELEASE - DNRM







RTI DL RELEASE - DNRM

Revision	Date	By	Description	Approved

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ACN 009 969 988
ABN 25 215 374 671
PH: (07) 46711 644
FAX: (07) 46712 022
WebPage: www.sudholz.com.au

SUDHOLZ GOONDIWINDI
CONSULTING ENGINEERS
IRRIGATION DESIGN & CONSTRUCTION
CIVIL CONSTRUCTION & EARTHMOVING

CLIENT: *DAVID COULTON*

PROJECT: *"NEILO" IRRIGATION DEVELOPMENT*

TITLE: *WHOLE FARM LAYOUT*

Drawn: SDS Date: 13/11/07
Drawing Check: sch4p4(6) Personal information Date: 14/11/07
Approved: Date:
Designed: — Date: —
Design Check: Date:
Datum: AMG/AHD Contours.: FAR _ MAR _

Drawing No. 99249 - 50 - A
Status. APPROVAL
Sheet No.: 1 No. of Sheets 1
Sheet Size: A3 Scale: AS SHOWN

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SCHEDULE 1
WAGGAMBA SHIRE COUNCIL

APPLICATION FOR PERMIT GRANTED UNDER THE PROVISIONS OF CHAPTER 13 PART 5 OF THE LOCAL GOVERNMENT ACT 1993

THIS application is required to be made by the registered owner of freehold land or the registered lessee of Crown leasehold land.

DEPARTMENT OF NATURAL RESOURCES & MINES
RECEIVED
28 NOV 2001
GOONDIWINDI

I DAVID & KIM COULTON.

OF "NELLO"

in the Shire of Waggamba, being the owner/lessee of land situated as hereunder described, and shown on the accompanying plan, and upon which land is proposed to be constructed the work hereunder described, do hereby apply for a permit in respect of the said work.

(1) Name of Applicant: DAVID & KIM COULTON.

(2) Postal Address: BOX 616 GOONDIWINDI 4390.

(3) Location of Work (See Also 10):

Property Description - LOT 1 ON CVN160.

Area - 4784.7ha. Parish - TARABA. County - CARNARVON

(4) Nature of Work: BELOW GROUND CHANNEL.

(5) Purpose of Work: SUPPLY WATER TO NORTHERN BLOCK (BLOCK 4).

(6) Particulars of Work: (If Levee Bank)

(a)	Total Length of Levee Bank:		Metres
(b)	Maximum Height:		Metres
(c)	Width of Top:		Metres
(d)	Width of Base:		Metres

(e) Materials of which bank will be constructed: _____

(f) If levee bank is one side of stream, is levee bank crest higher or lower than lowest point on opposite bank, and by how much? _____

(g) Height of top of bank above highest known flood level: _____

(7) Particulars of Work: (If Drain or Other Excavation)

(a)	Total Length:	1600.	Metres
(b)	Maximum Depth:	1.2m.	Metres
(c)	Width of Top:	8.3m	Metres
(d)	Width at Base:	3.5m.	Metres

(e) State Nature of Soil at Site: _____

WAGGAMBA SHIRE COUNCIL
RECEIVED
22 NOV 2001
FILE No. 450,001,002
SEG.
FILM REF.

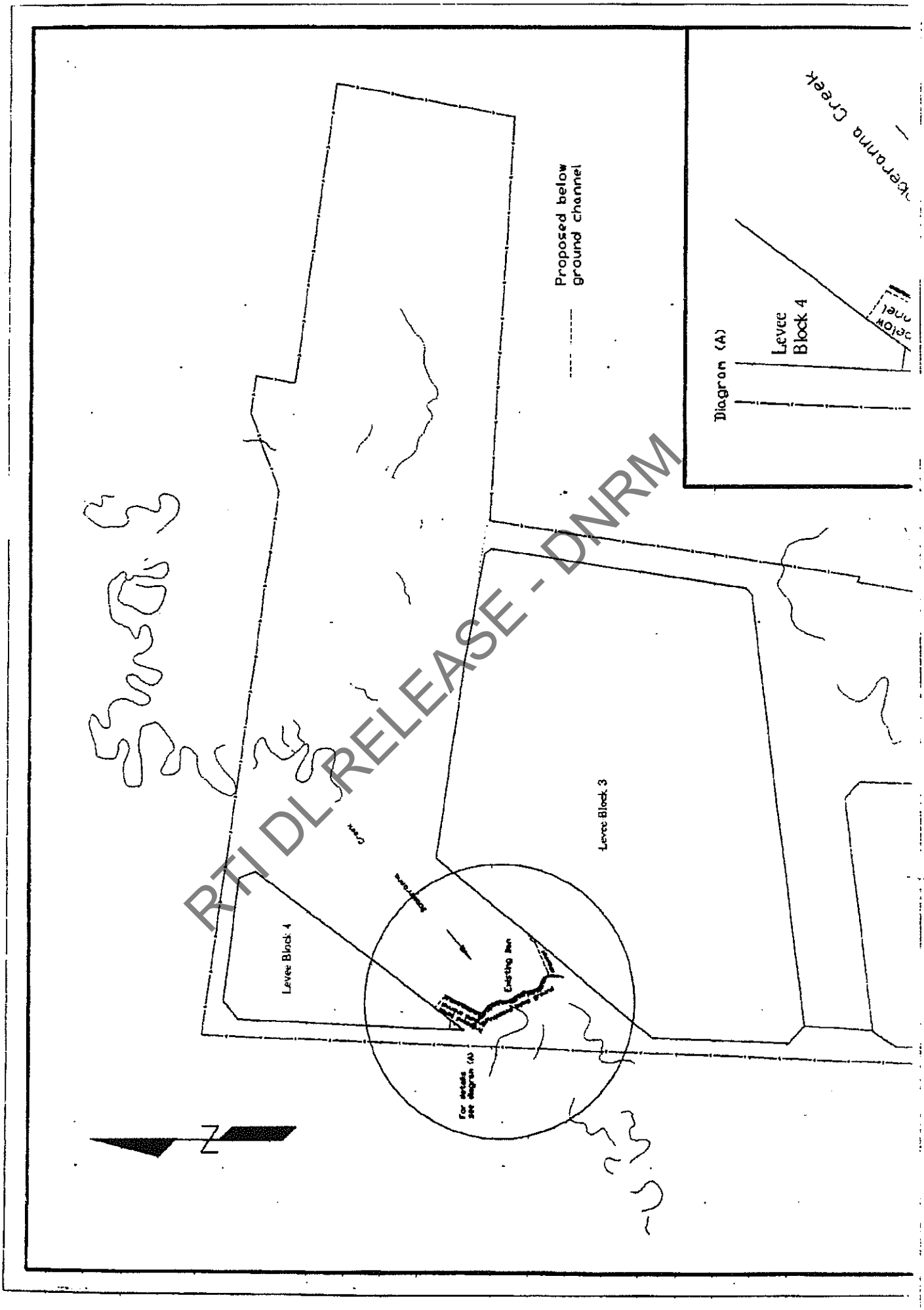
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OSE QRV
ASE
MRV PJS
DNRV

M:\Word Processing\Levee Bank\application form.doc

Rec# 25187 $535.00

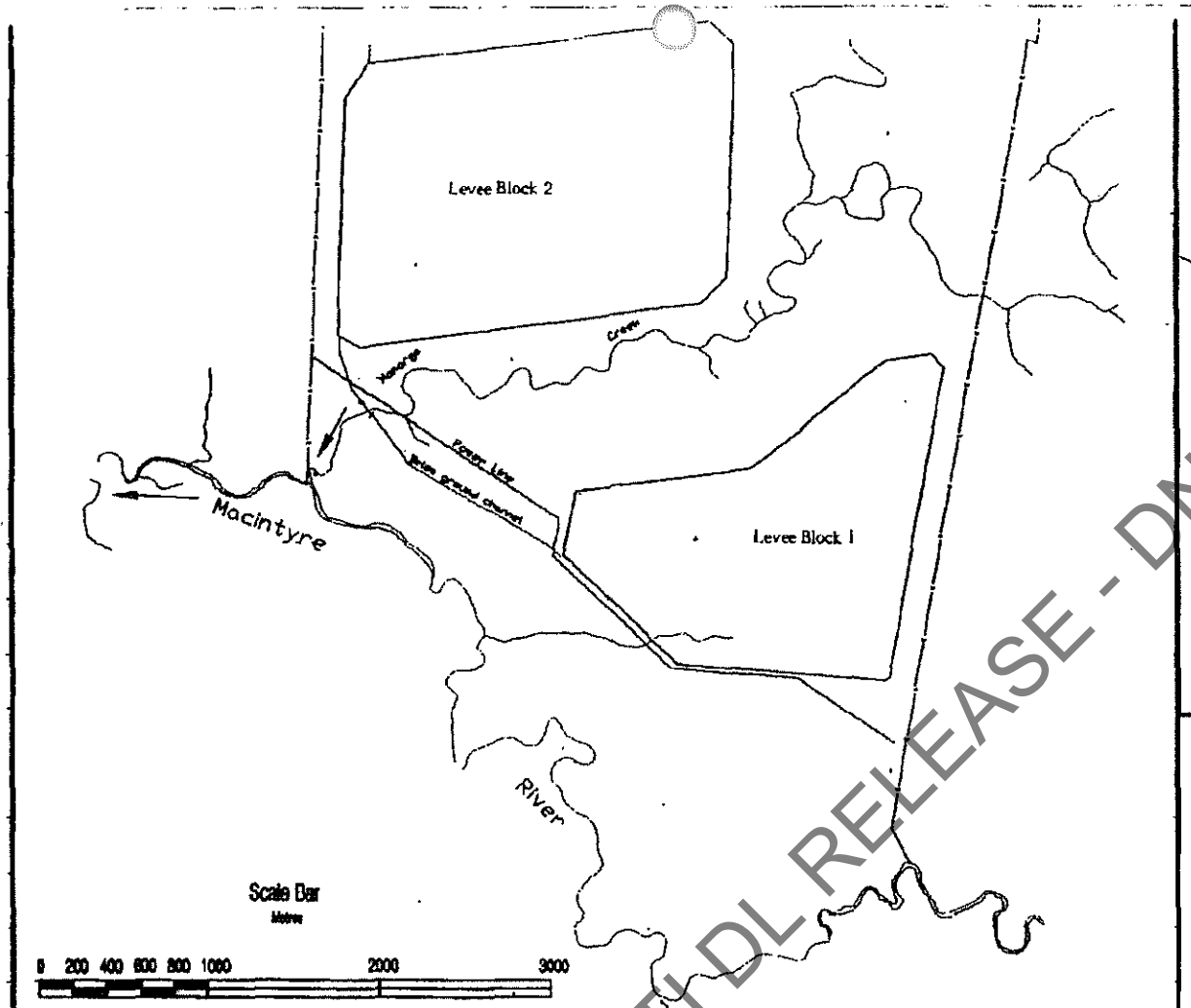
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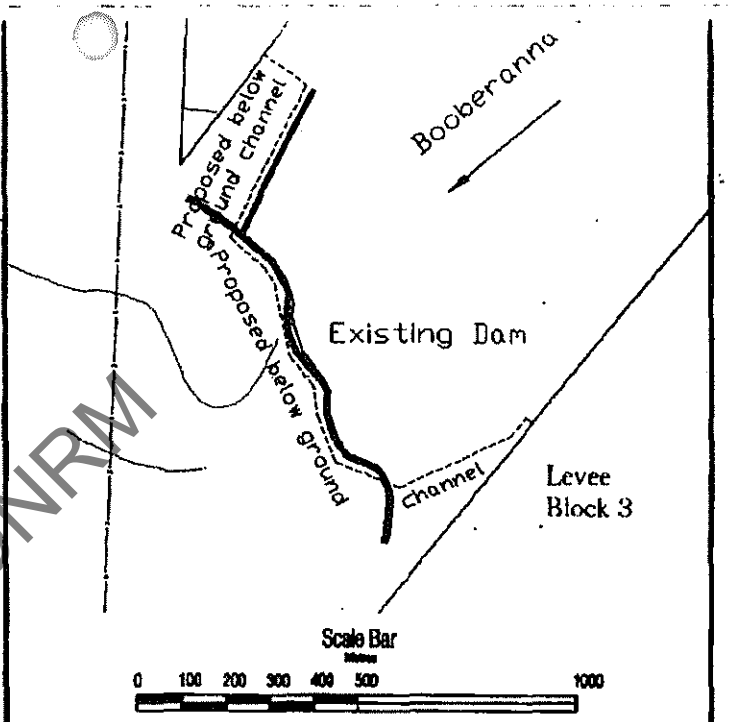
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RTI DL RELEASE - DNRM

003 SUDHOLZ 14/11 01 WED 16:23 FAX 61 07 46712022





Typical crossection of below ground channel



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Revision	Date	By	Description	Approved

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CIVIL CONSTRUCTION & EARTHMOVING

CLIENT: *DAVID COULTON*

PROJECT: *"NEILO" IRRIGATION DEVELOPMENT*

TITLE: *WHOLE FARM LAYOUT*

Drawing No. **99249 - 50 - A**

Status: **APPROVAL**

Designed: ___	Date: ___	Drawn: TSS	Date: 12/11/01
Design Check:	Date:	Drawing Check:	Date: 14/11/01
		Approved:	Date:
		Datums: AHD/AHD	Contours.: M.R _ MHR _

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Sheet Size: A1 | Scale: AS SHOWN

sch4p4(6) Personal information

28-11-01 10:03

GW04/00358 L276

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Queensland Government
Department of Natural Resources

DATE: 28 November 2001

TO: Ross Carruthers/Guy Bignell– Goondiwindi Office

FACSIMILE NO.: 46713163

FROM: Mark Wheeler , Senior Technical Officer

SUBJECT: Applications for extension of time wrt. Amending Moratorium Notice

NO. OF PAGES (Inc. Cover) 9

MESSAGE **Ross/Guy**

I have received 1 application for an extension of the completion date for the Border Rivers basin from:

A/ - Mr and Mrs David and Kim Coulton L276

Accompanying the application was:

1. **Letter outlining reasons for incompletion**
2. **Copy of letter from Department of Natural Resources and Mines dated 16 November 2001.**
3. **Copy of plans**
4. **Supporting document from Country Energy.**

ACTION - Could you please prepare a report to accompany this application and send to me ASAP commenting on this application.

sch4p4(6) Personal information

Mark Wheeler,Senior Technical Officer

RTI DL RELEASE - DNRM

to note Guy
Thanks
Please inspect + report as
soon as possible.
Ross C.

DEPARTMENT OF NATURAL RESOURCES

Enquiries to: Mark Wheeler, Senior Technical Officer
203 Tor Street, Toowoomba Q4350
PO Box 318 Toowoomba Q4350
Telephone: (07) 46881000 Facsimile: (07)46881188

Please return to:

ATTENTION: Mark Wheeler
Natural Resources & Mines
203 Tor Street
PO Box 218
TOOWOOMBA QLD 4350

DEPT. OF NATURAL RESOURCES
26 NOV 2001
TOOWOOMBA

Queensland Government
Natural Resources and Mines

APPLICATION TO VARY EFFECT OF MORATORIUM NOTICE

Purpose of this Form

For a property that owns wishes to apply for an extension of the day by which works must be completed under a Moratorium Notice (completion day).

PART A Landowner Details

Name: Specify full name and address of the applicant

David Boyd Coulton
Kim Alexandra Coulton

Attention (Optional): (e.g. Principal, Secretary, Managing Director etc)

David Coulton

Mailing Address: The address to which all correspondence will be directed

Morella Agriculture
PO Box 616
Goondiwindi Q

State: QLD Postcode: 4390 Country:

Contact: Person details Title: Mr Mrs Ms Miss Dr

Given Name: David
Family Name: Coulton
Phone (Business): 07467622 sch4p4(6) Personal information Phone (Mobile): Fax: 07467622 48
Email Address: coulton@qwarknet.com.au

PART B Description of Land — Specify the Lot and Plan numbers for the land on which the works are being completed

Lot	Plan	Parish
1	CUN160	Blds 1 & 2 Taroba

OFFICE USE ONLY	Date of Application / /	Application Registered	File
	Signature	Signature	Client
		Date / /	

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PART C Details of Works

Specify the type of works being completed (Where appropriate, attach plan of works)

Pump site (see attached map)

PART D Progress of Works

Extent to which the works will be completed on Notice Completion date	main supply to reservoir complete. All drawings complete.
Extent to which the works will be completed on Notice Completion date	same as above
Additional work required to make existing works functional	Installation of pump site
Estimated time required to complete works	June 2002

PART E Reasons for Incompletion

(Where works have not been completed because of exceptional circumstances, give details of circumstances)

Please refer to attached letter

PART F Attachments

Attach evidence to show the following

- [x] 1. The works were started when the notice was published *(eg letter from NR&M confirming start date/status)*
- [x] 2. The extent to which the works are completed *(eg marked on plan of works)*
- [x] 3. The extent to which the applicant anticipates the works will be completed by the completion day *(eg marked on plan of works)*

PART G Declaration

I hereby declare that all the information contained in this application is true and correct

Name

Signature

Date 21 / 11 / 2001.

PRIOR RELEASE IN PART

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MORELLA
AGRICULTURE
ACN 055 021 620
ABN 45518842967

Morella Agriculture
PO Box 616
GOONDIWINDI QLD 4390
AUSTRALIA
Ph 07 46 762198 fax 07 46 762248
Email coulton@northnet.com.au

DEPT. OF NATURAL RESOURCES
26 NOV 2001
TOOWOOMBA

November 19, 2001

Mr Mark Wheeler
Senior Technical Officer
Department of Natural Resources & Mines
PO Box 318
TOOWOOMBA QLD 4350

Dear Mr Wheeler

RE: Application for extension to works at property "Neilo" Toobeah

The reason we are applying for an extension of time for completion date of irrigation works at our property "Neilo" Toobeah is that we originally planned to use electricity to power our pumpsite.

All was going to plan until Country Energy gave us a quote to erect the installation of transformers but unfortunately the conditions stated that we were not allowed to pump between March and September due to the inefficient power supply to our area. Please see attached letter, which was sent to Sudholz Engineers on September 25, 2001. I had spoken to Country Energy by telephone in March 2001 and they indicated to me then that they would be able to supply power to the pump sites at Neilo. It was not until we asked for a quote for the supply and installation of transformers that they told us that there would be a supply problem.

None of this would have been a problem if Country Energy had told us initially in March, as we would have been able to forward order and design diesel motors for the pump site. As soon as we received the information from Country Energy on September 25, 2001 we instructed Sudholz to quote and redesign the pump site for diesel driven pumps. This was a major hindrance to our project. The axial flow pumps were configured for vertical installation with direct coupled motors. To configure these pumps for diesel drive would require the provision of angle gear drive units to convert to horizontal drive. A very expensive option with a long delay on components.

It was obvious that we should now revert to mixed flow pumps and diesel engines as installed in our other pump stations. This meant a complete redesign of the total pump station at considerable cost in both time and money.
There are significant delays in procuring some of the components and our contractors have had to re-schedule their work to accommodate the change of plans.

RTI DE-RELEASE - DNRM

We are confident that if we could secure an extension to June 2002 all works will be completed.

It is important that your review panel and the minister realise that all earthworks for the storage dam have been completed at a cost of over $1 million. The pump site that we are asking you to consider will have an approximate cost of $650,000. All we are now waiting for is this pump site due to unbelievable inefficiency with country energy not informing us earlier of their supply problems. Therefore this could jeopardise our whole project from which one can plainly see we have undergone a huge commitment in time and finance to complete by the due date. Could you please take all this into consideration when reviewing our application.

Yours sincerely

sch4p4(6) Personal information

19/11/01

David & Kim Coulton

Release

Queensland Government

Department of
Natural Resources

Author: Guy Bignell
File / Ref number: GOO/515/003(0276) Batch 1 & GOO/515/003(1009) Batch 2
Directorate / Unit: Department Natural Resources, Resource Management
Phone 07 4671 6100

16th November 2000

David & Kim Coulton
"Morella"
PO Box 616
GOONDIWINDI Q 4390

RTI DL RELEASE - DNRM

Dear Mr. & Mrs. Coulton

MORATORIUM STARTED CONSIDERATION FOR PROPOSED WORKS

The Department of Natural Resources wishes to thank you for the submission, submitted by you, for works to be considered as started under the Border Rivers Moratorium Notice.

Your request to continue the irrigation development on Lot 1 on Plan CVN160, Blocks 1 & 2, as out-lined in your submission with a proposed completion date of the end of September 2001, is granted. Please note that this work needs to be carried out within a reasonable time frame and unreasonable delays could see this permission with drawn.

Please note that this permission does not include the construction of Ring Tank embankments to a height of greater than 5 metres as this Department has licensed none of the proposed storages and are therefore limited to this high under the moratorium.

The advice provided above relates only to an assessment of the starting of works having regard to the criteria contained in the Moratorium Notice for the Border Rivers dated 20th September 2000.

The broad intent of the Notice is to maintain the status quo with respect the development and extraction of water from watercourses, lakes and springs as well as overland flow in the Border Rivers catchment pending completion of the Flow Management Plan.

Whilst the Department has determined that the works for which you have made submission may continue to be constructed or implemented within the limitations as advised above, you should be aware that the Flow Management Planning process currently underway in the

Enquires to Guy Bignell
24 – 26 McLean Street
Locked Bag 4
GOONDIWINDI Q 4390

Telephone 07 4671 6100
Facsimile 07 4671 3163

Border Rivers catchment will be the basis for determining water allocation arrangements and related access rules and securities.

The current planning process will ultimately determine a water-sharing regime for the Border Rivers catchment.

In the final draft water resource plan for the Border Rivers, the provisions about restricting the granting of or amending any entitlement issued under the *Water Resources Act 1989* or *Water Act 2000* to take or interfere with water or water sharing under the plan, may give priority to water users:

- Located in the plan area who had constructed, or started construction of, works for taking of or interfering with overland flow water before 25th November 1999; and
- Who hold entitlement issued under *Water Resources Act 1989* or *Water Act 2000* to take or interfere with water to which the plan applies and had constructed, or started construction of, works for taking of or interfering with ~~overland flow~~ WATER water before 25 November 1999.

Should you require clarification on this issue or in relation to my determination regarding the starting of works on your property please contact Guy Bignell at this Office or on phone 4671 6100.

Yours sincerely

sch4p4(6) Personal information

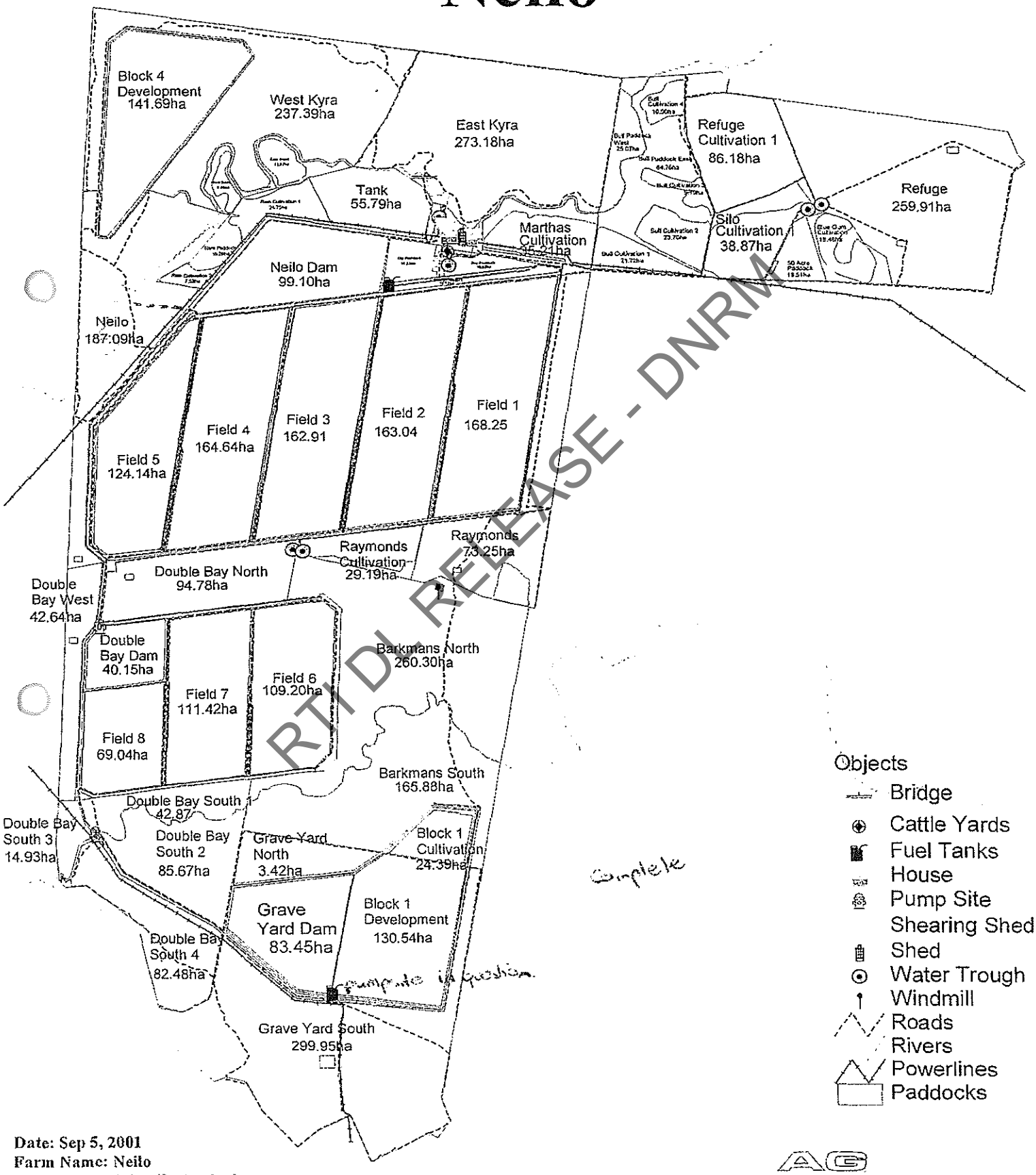
for Ross Carruthers
Operation Manager, Resource Management
Goondiwindi

RTI DL RELEASE - DNRM

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Morella Agriculture

"Neilo"



RTI DL RELEASE - DNRM

Date: Sep 5, 2001
Farm Name: Neilo
Client Name: Morella Agriculture

AG KNOWLEDGE

Release

country energy

Design Support Office
Country Energy
PO Box 5118
PORT MACQUARIE NSW 2444
Phone: 13 23 56
Facsimile: (02) 6582 8283
Inverell Facsimile: (02) 6722 0760

Enquiry No: **86303**

25 September 2001

Sudholz Pty Ltd
PO Box 883
Goondiwindi QLD 4390
Attention : Ben Bomford

Dear Sir

OVERHEAD ELECTRICITY SUPPLY TO RURAL CONNECTION

Neilo Talwood

Thank you for the opportunity to provide you with an Offer for Overhead Electricity Supply to your rural connection. Please find set out below and on the attached sheets, the details of our Offer.

RTI DL RELEASE - DNRM

WORKS REQUIRED:
The works we need to carry out to provide electricity supply to your rural connection are:

- Provide supply to one (1) 315kW Pump Site. This quotation includes low voltage service mains and pole pump site, but does not include any consumer's mains.
- Please note pumping may only take place between the months of October to February only.

QUOTATION FOR WORKS REQUIRED:

Our quotation to design and construct the work above is:	$31,843.00

In addition to the above, Compulsory Network Fees apply to this work. These Fees are in accordance with the Independent Pricing and Regulatory Tribunal (IPART) Determinations relating to Contestable Works. Itemised details of these Fees is attached.

Compulsory Network Fees	$1,861.40
Goods and Services Tax (Where Applicable)	$3,370.44
Total Project Cost (Sum of the above items)	**$37,074.84**

Hempseed Ainslee

From: Weller Jim
Sent: Tuesday, 4 June 2013 5:03 PM
To: Hempseed Ainslee
Subject: RE: Neilo storages

Ainslee

I think your conclusions/recommendations are fine.

The other alternative for David is to go through certification based on 5 m high storages and we licence the OLF. Not sure this is the best outcome for him or us as will be difficult to enforce compliance.

Worth thinking about their modus operandi. Do they now take River water onto this block that wasn't used here previously. This may well negate the impact of any increased storage on the place?

Regards

.m

From: Hempseed Ainslee
Sent: Friday, 31 May 2013 2:24 PM
To: Weller Jim
Subject: Neilo storages
Importance: High

Hello Jim,

Please find the attached report and advise if you endorse my recommendations.

Kind regards,
Ainslee

Ainslee Hempseed
enior Project Officer, Water Services

Telephone: 07 4671 6112
Mob: sch4p4(6) Personal information **Facsimile**: 07 4671 3163

Department of Natural Resources and Mines
42 Callandoon St Goondiwindi Q 4390
PO Box 253 Goondiwindi Q 4390

RTI DL RELEASE - DNRM

Hempseed Ainslee

From: Hempseed Ainslee
Sent: Friday, 31 May 2013 3:37 PM
To: Weller Jim
Subject: FW: Neilo storages
Attachments: NTF_Neilo_Storages.docx

Importance: High

Hello Jim,

Please find the attached report and advise if you endorse my recommendations.

Kind regards,
Ainslee

Ainslee Hempseed
Senior Project Officer, Water Services

Telephone: 07 4671 6112
Mob: sch4p4(6) Personal information **Facsimile**: 07 4671 3163

Department of Natural Resources and Mines
42 Callandoon St Goondiwindi Q 4390
PO Box 253 Goondiwindi Q 4390

RTI DL RELEASE - DNRM

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DEPARTMENT OF NATURAL RESOURCES & MINES

Queensland Government

Note To File

File Reference	L276	**Date**	31 May 2013
Author	Ainslee Hempseed		
Position	Senior Project Officer		

Subject: "Neilo" (lot 1 on CVN160) storages

There are three ring tank storages on "Neilo" (lot 1 on CVN160) owned by David Boyd Coulton and Kim Alexandra Coulton. See Attachment No. 1 for drawing of property layout dated 6 March 2000. At the time of the *Moratorium Notice – Water Act 2000 Proposed Draft Water Resource (Border Rivers) Plan,* the irrigation development had commenced but was not completed. The reservoir on Block 3 had been constructed by the time of the moratorium, the reservoirs on Blocks 1 and 2 had not. The storages are used to capture overland flow water and to store water taken under authorisations to take water from a watercourse. The information the department holds in relation to these storages are as follows:

RTI DL RELEASE - DNRM

Storage Name	Design plans	As notified
Block 1 Reservoir	Height: 6.27m – 7.02m Max Volume: 4000 ML	Depth at full supply: 7m Height to top: 6m Maximum volume: 4200 ML Free board: 0.9m
Block 2 Reservoir	Height 6.21m - 6.47m Max Volume 2000 ML	Depth at full supply: 7.2m Height to top: 6.2m Maximum volume: 2200 Free board: 0.9m
Block 3 reservoir		Depth at full supply: 6.4m Height to top: 5.5m Maximum volume: 4300 ML Free board: 0.9m

Under section 34 of the *Water Resource (Border Rivers) Plan 2003* (WRP) authorises the owners of the land to continue to take overland flow water using existing works if the owner gives the chief executive notice of the works in the approved form. The definition of existing works is as follows:

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existing works—

1. *Existing works* means works that—
   (a) allow taking overland flow water; and
   (b) either—
      (i) were in existence on 20 September 2000; or
      (ii) were started, but not completed by 20 September 2000 and—
         (A) if a variation to a moratorium notice was granted for the works under section 27 of the Act—have been, or are being, completed in accordance with the moratorium notice, as varied; or
         (B) if subsubparagraph (A) does not apply—were completed by 30 November 2001.
2. The term does not include works that allow taking overland flow water only for stock or domestic purposes.

Moratorium Notice – Water Act 2000 Proposed Draft Water Resource (Border Rivers) Plan

- This moratorium notice took effect on 20 September 2000.
- The moratorium notice required started works to be completed by 20 September 2001.
- Under this moratorium notice works were required to have been physically commenced by 9 June 2001 or written confirmation of started works status was required from the department by 9 June 2001.
- On 16 August 2001 an amendment to the moratorium notice extended the completion date for started works to 30 November 2001.
- An amending moratorium notice dated 29 October 2001 allowed for applications tovary the effect moratorium in relation to the completion date for started works. This allowed for the extension of the completion date on an individual case by case basis.

"Neilo" started works and applications to vary the effect of the moratorium notice

- In November 2000 the department received a submission from the land owner DB and KA Coulton for works on "Neilo" to be considered started works status.
  - The reservoirs on Blocks 1 and 2 were subject to this submission.
  - The reservoir on Block 3 was completed prior to the moratorium so was not subject to this submission.
- Started works status was granted on 16 November 2000 advising "**this permission does not include the construction of Ring Tank embankments to a height of greater than 5 metres as this Department has licensed none of the proposed storages and are therefore limited to this high under the moratorium".**
- An application to vary the effect of the moratorium notice for an extension of the completion date to June 2002 was received on 26 November 2001.
- Application to vary the effect of the moratorium notice for an extension in time to complete started works was granted extending the period to 30 August 2002.

RTI DL RELEASE - DNRM

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Referrable dam regulations

Until 13 September 2000 the definition of a "referable dam" as stated in s2.(1) of the *Water Resources Act 1989 (* refer to Reprint No.4D) remained in force with the requirement for a water licence if the storage was greater than 5 metres in height.

When the *Water Act 2000* was assented to on 13 September 2000 (Act No.34 of 2000) certain provisions of the act commenced, including amendments to the existing definition of a "referable dam" in the *Water Resources Act 1989* (WRA 1989) which changed the requirement for a water licence to storages greater than 8 metres in height. It was on 19 April 2002 when the full *Water Act 2000* (WA 2000) referable dam provisions came into effect, sections 1067, 1068 and 1069 being of particular relevance which required failure impact assessments to be carried out for different situations. In the period between 13 September 2000 and 19 April 2002 there was still the requirement to hold a licence for a referrable dam under the transitional provisions of the WRA 1989 for dams with a height greater than 8 metres. Under the WA 2000 (since 19 April 2002) there is no requirement for a water licence for a referrable dam but instead this Act refers to the requirement for failure impact assessment as described above for referrable dams.

Of particular relevance in the Border Rivers catchment is the fact that there was an opportunity between 13 September 2000 and the release date of *the Draft Water Resource (Border Rivers) Plan Moratorium Notice* which came into effect a week later on 20 September 2000 for dam owners to increase existing storages in height up to 8 metres without the dam being referrable.

It must be noted that these referable dam regulations were purely about dam safety and not about managing the take of water.

Discussion

There are discrepancies between the information provided in design plans provided with the started works submission and the overland flow notifications for the same works. Also, the moratorium notice states that the maximum height of the works must not exceed 5 metres (this was reiterated in the started works approval letter dated 16 November 2000) and the notification of the works state heights in excess of 5 metres.

If the works were constructed with the dimensions as notified, there is no requirement for a water licence for any of these storages under the current legislation. If the works were constructed to the dimensions as notified, construction of the reservoir on Block 3 would have required a licence for a referrable dam under the WRA 1989 at that time being 16 July 2000. No such licence was held. It is not the taking of water that was not authorised, but rather the construction of a referable dam from a dam safety perspective without a licence. If the reservoirs on Blocks 1 and 2 were constructed to the dimensions as notified, they were constructed to a height greater than 5 metres in breach of the moratorium notice. The intent of the moratorium was to manage the take of water in the proposed water resource plan area.

The statutory timeframe for beginning a legal proceeding for this alleged offence is 1 year after commissioning of the offence, 1 year after the complainant's knowledge of the offence, but not later than 2 years after the commissioning of the offence (section 931 WA 2000). The alleged offences related to the construction of these three reservoirs were commissioned between 2000 and 2002, well beyond the statutory timeframes for bringing a legal proceeding.

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Summary

- Referable dam provisions are about dam safety not the take of water.
- At the time of construction of the reservoir on Block 3 (pre-moratorium) there was no legislation in place with the intent to limit the take of overland flow water.
- If constructed to a height greater than 5 metres, the reservoir on Block 3 would have required a licence for a referable dam at the time of construction. At the time the moratorium took effect a licence was not required for the works because they were no longer referable under the WRA 1989.
- At the time of the construction of the reservoirs on Blocks 1 and 2 the moratorium was in place to prevent an increase in the take of overland flow water.
- The reservoirs on Blocks 1 and 2 where granted started works status with the moratorium limit of 5 metres in height. If the works were constructed with a height of greater than 5 metres this would have been in breach of the moratorium notice. The moratorium was a specific legislative tool to prevent an increase in take of water in the proposed water resource plan area.
- The reservoirs on Blocks 1 and 2 can only be considered to be "existing" works to take overland flow water under the WRP to the extent that they were legally established within the constraints of the moratorium notice.
- Statutory timeframes for beginning a legal proceeding in relation to the alleged offences have long since passed.

Conclusion

The construction of the reservoir on Block 3 (if greater than 5 metres in height) was unauthorised at the time in relation to being referable under the WRA 1989, not in terms of the taking of water. At the time of the moratorium, the works were existing and were no longer referable (according to the dimensional triggers).

If greater than 5 metres in height, the construction of the reservoirs on Blocks 1 and 2 were constructed in breach of the moratorium notice. In order for the continued take of overland flow water using these works to be authorised under section 34 of the WRP, they must be compliant with the limitations of the moratorium notice.

Recommendation

No further action is recommended in relation to the reservoir on Block 3 because it was existing prior to the commencement of the moratorium.

It is recommended that the department request an "as built" survey of the reservoirs in Blocks 1 and 2 to determine the actual heights of the storages. If the works are found to have a height greater than 5 metres the department must order a remedy to reflect the capacity that the storage would have had if it were constructed lawfully to a height not greater than 5 metres. Remedies could include modifications to the works reduce their height to 5 metres or an amended notification with an increased freeboard.

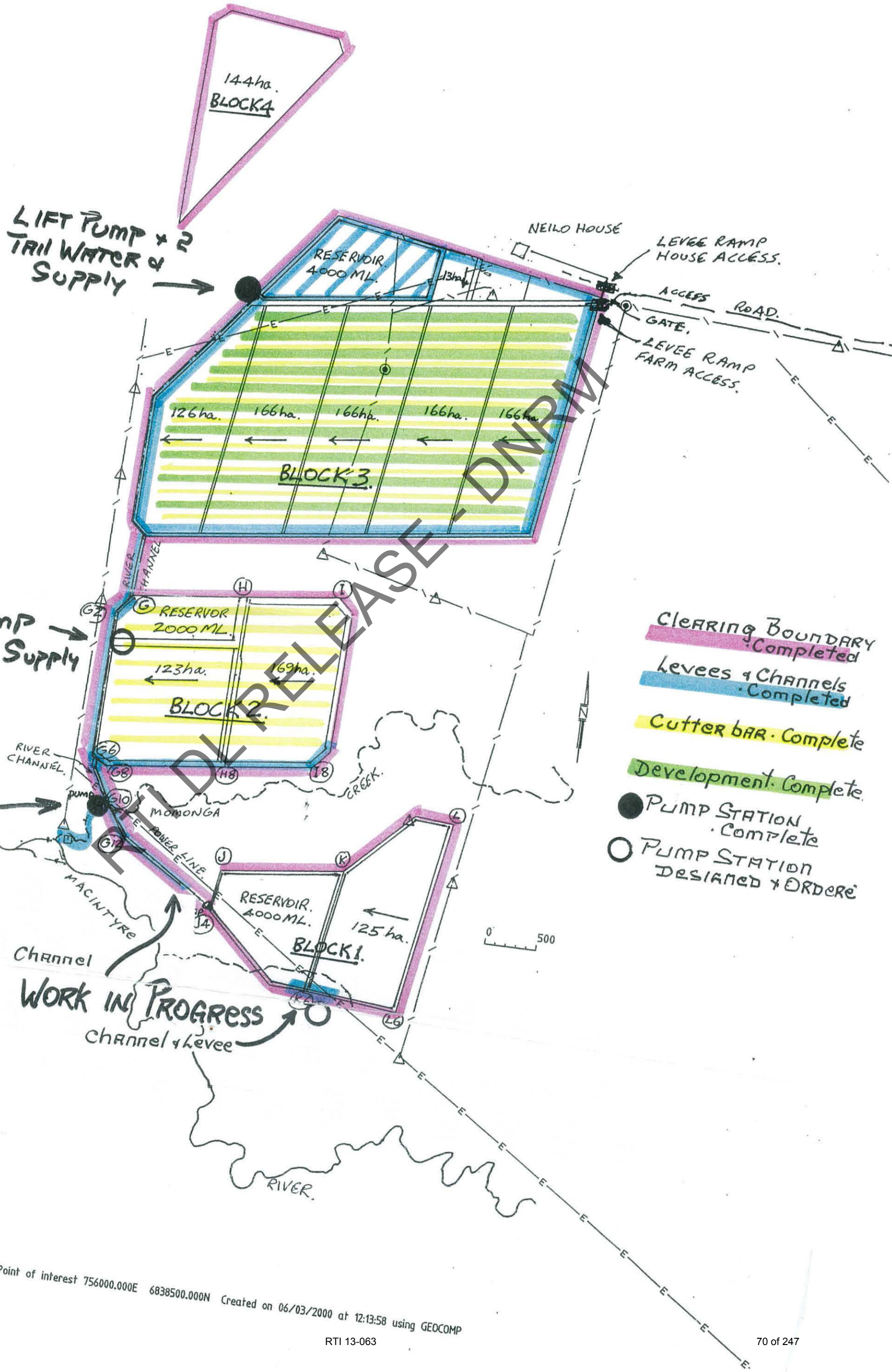
Ainslee Hempseed
Senior Project Officer

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6/3/00.

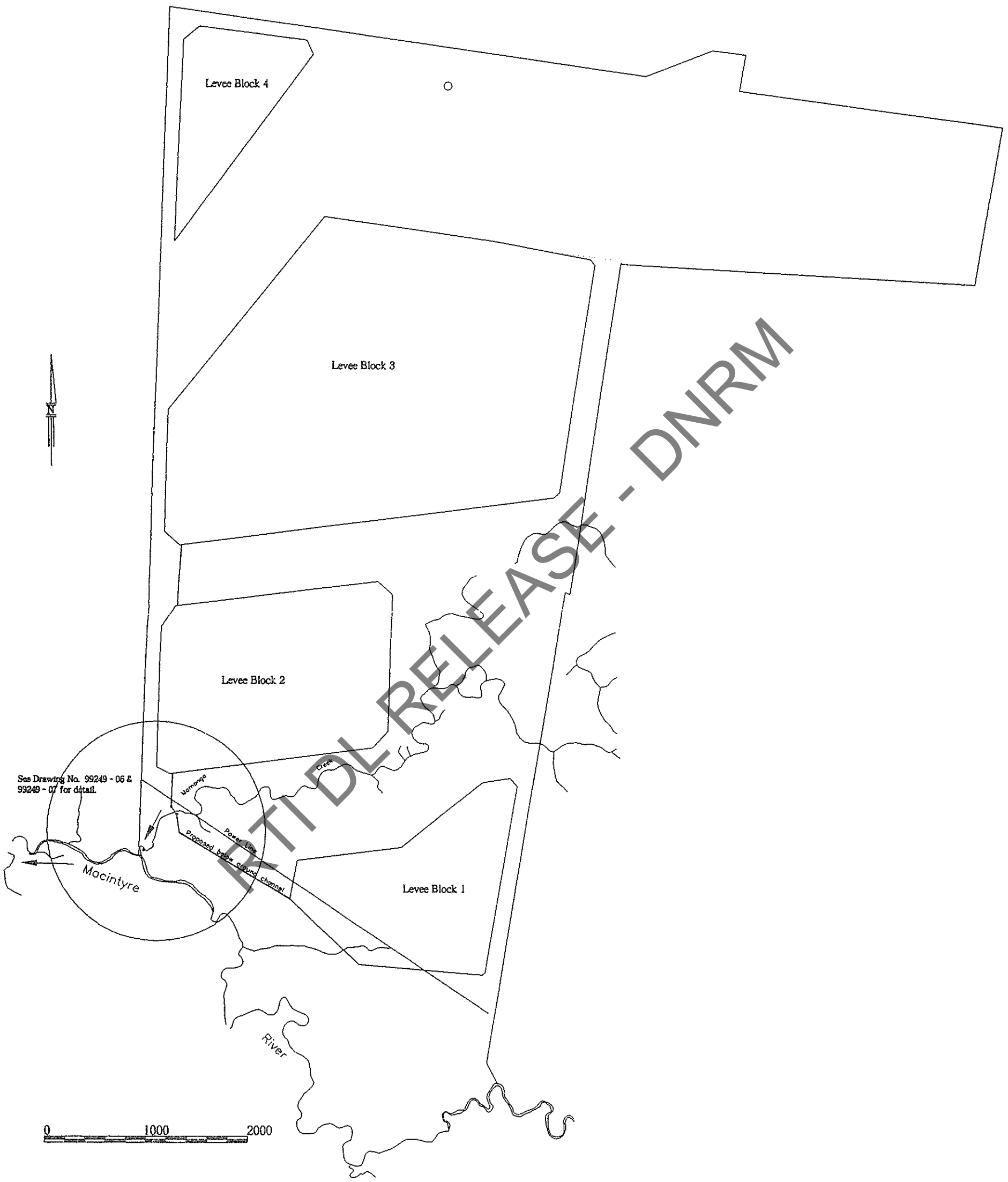
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CLIENT
D B & K A Coulton

PROJECT
Nello Irrigation Development

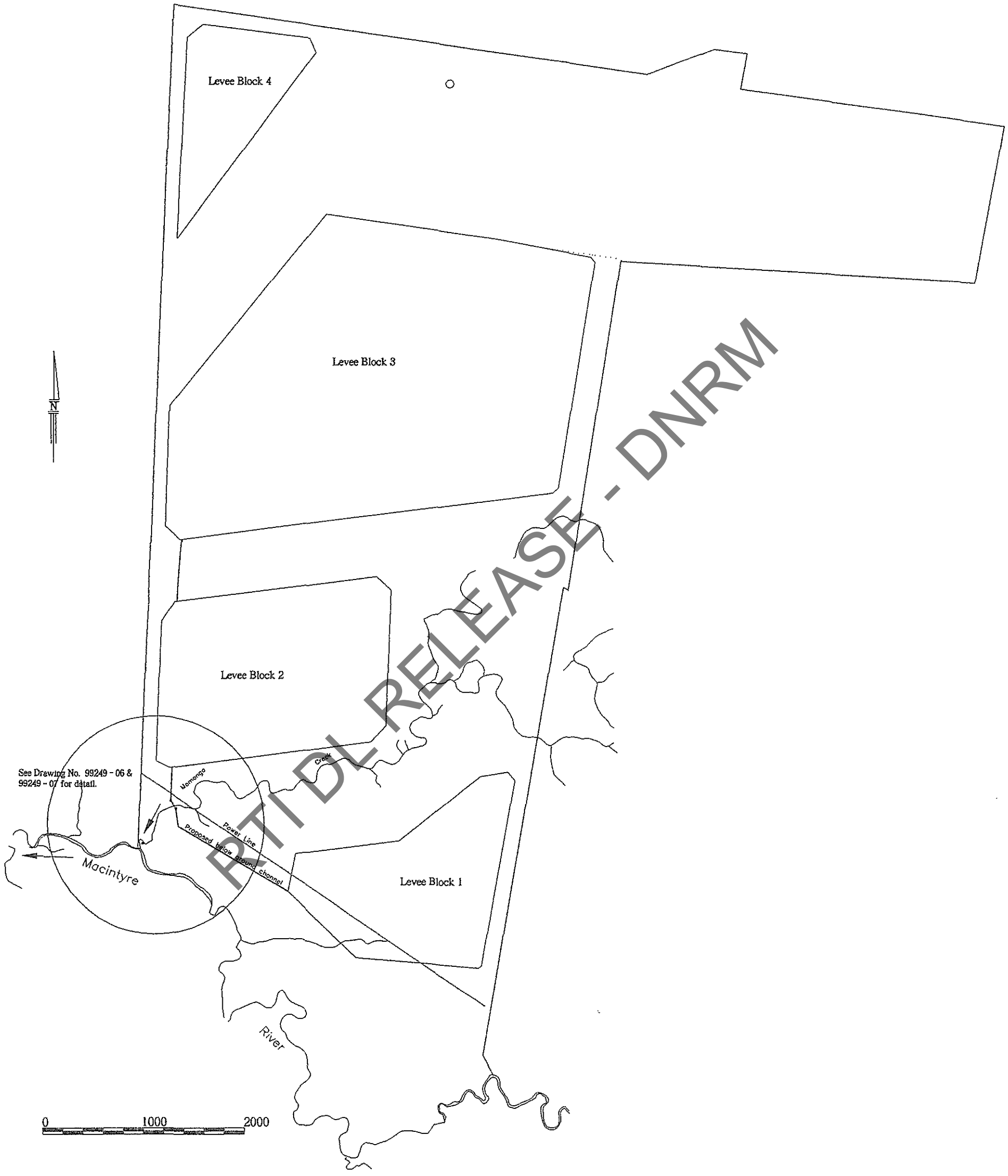
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Scale: 1 : 40000 Sheet Size: A3
Datum: x
Date: 28/9/00
Drawn: TS
Designed: x
Approved: x

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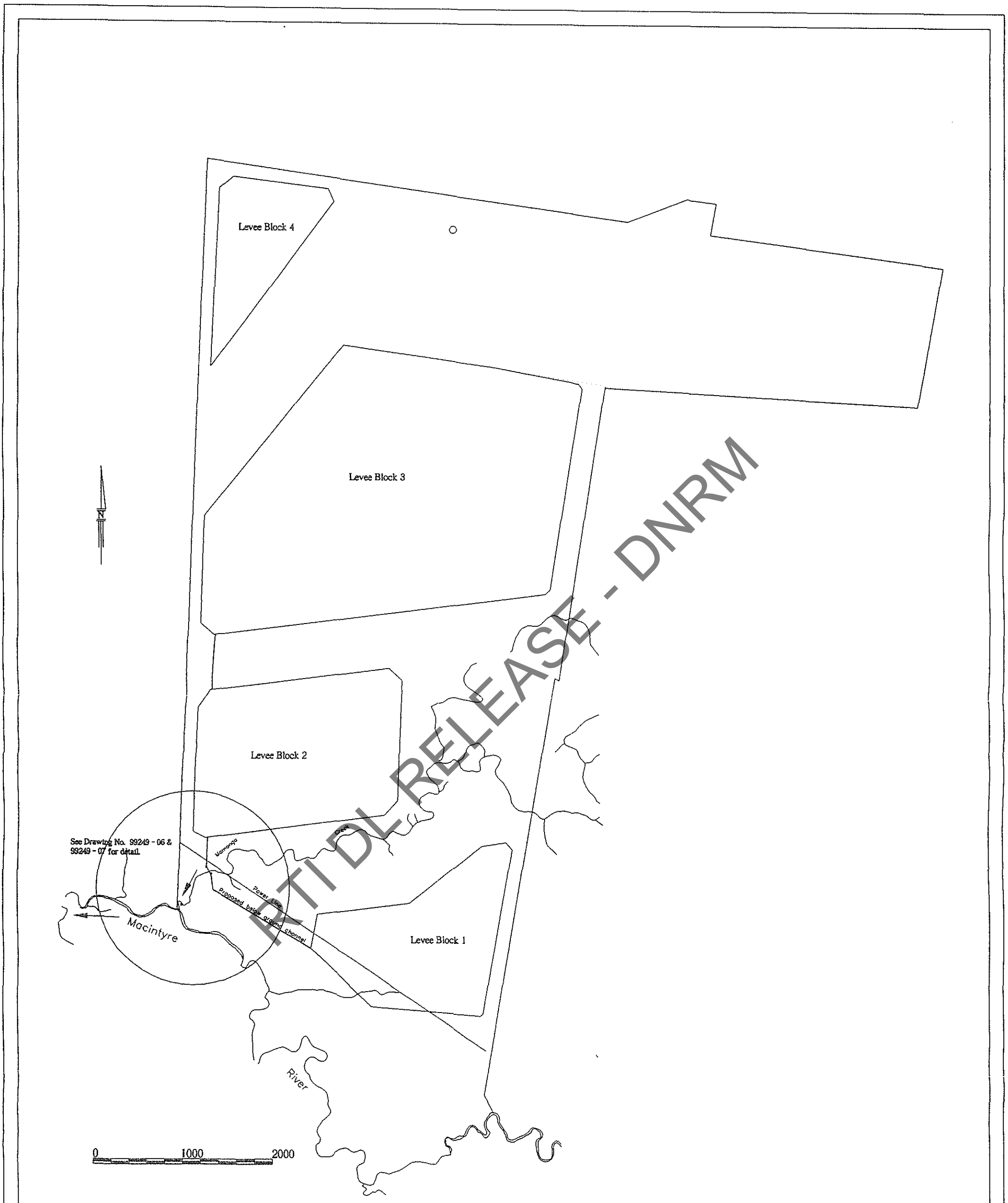
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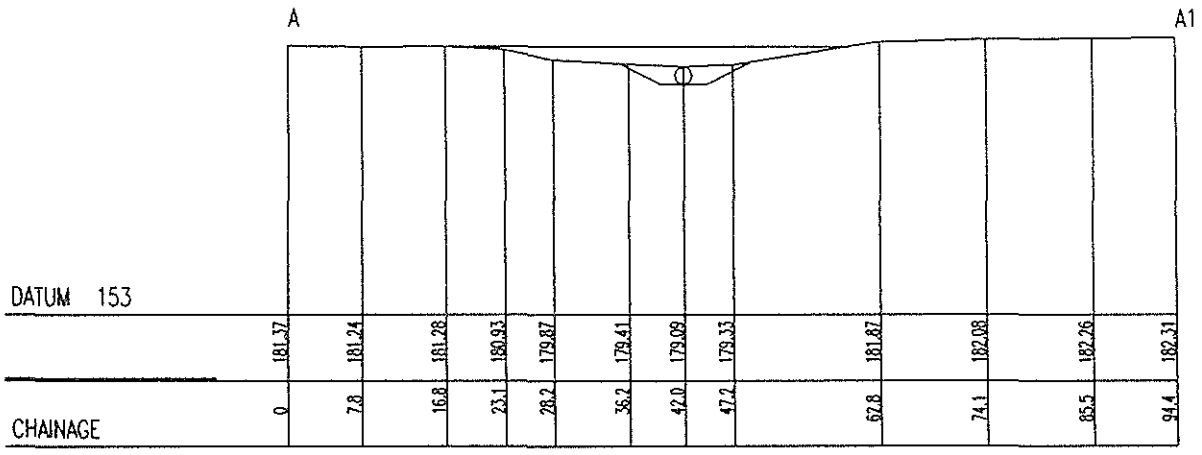
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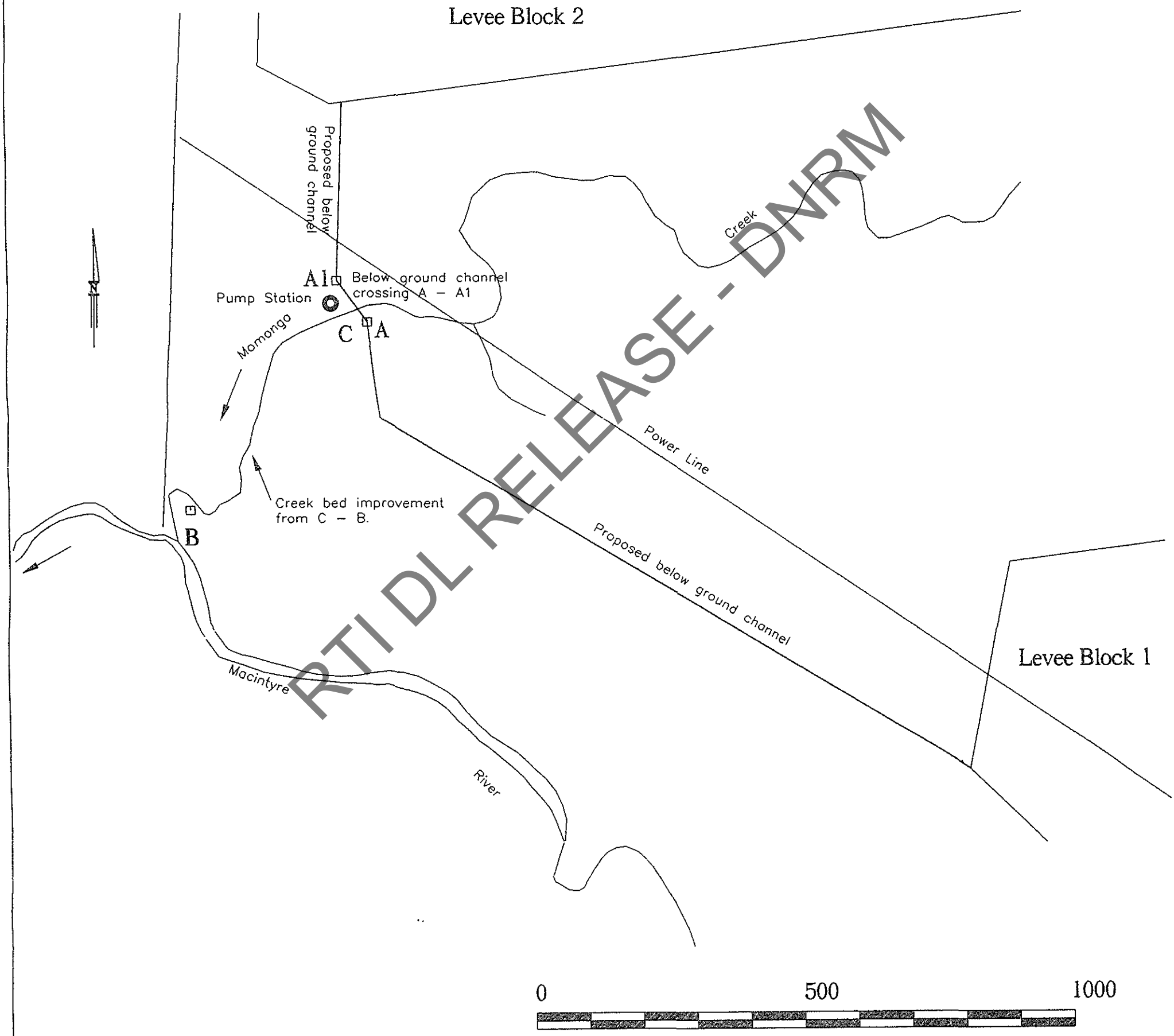
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Momonga Creek Cross-section A - A1



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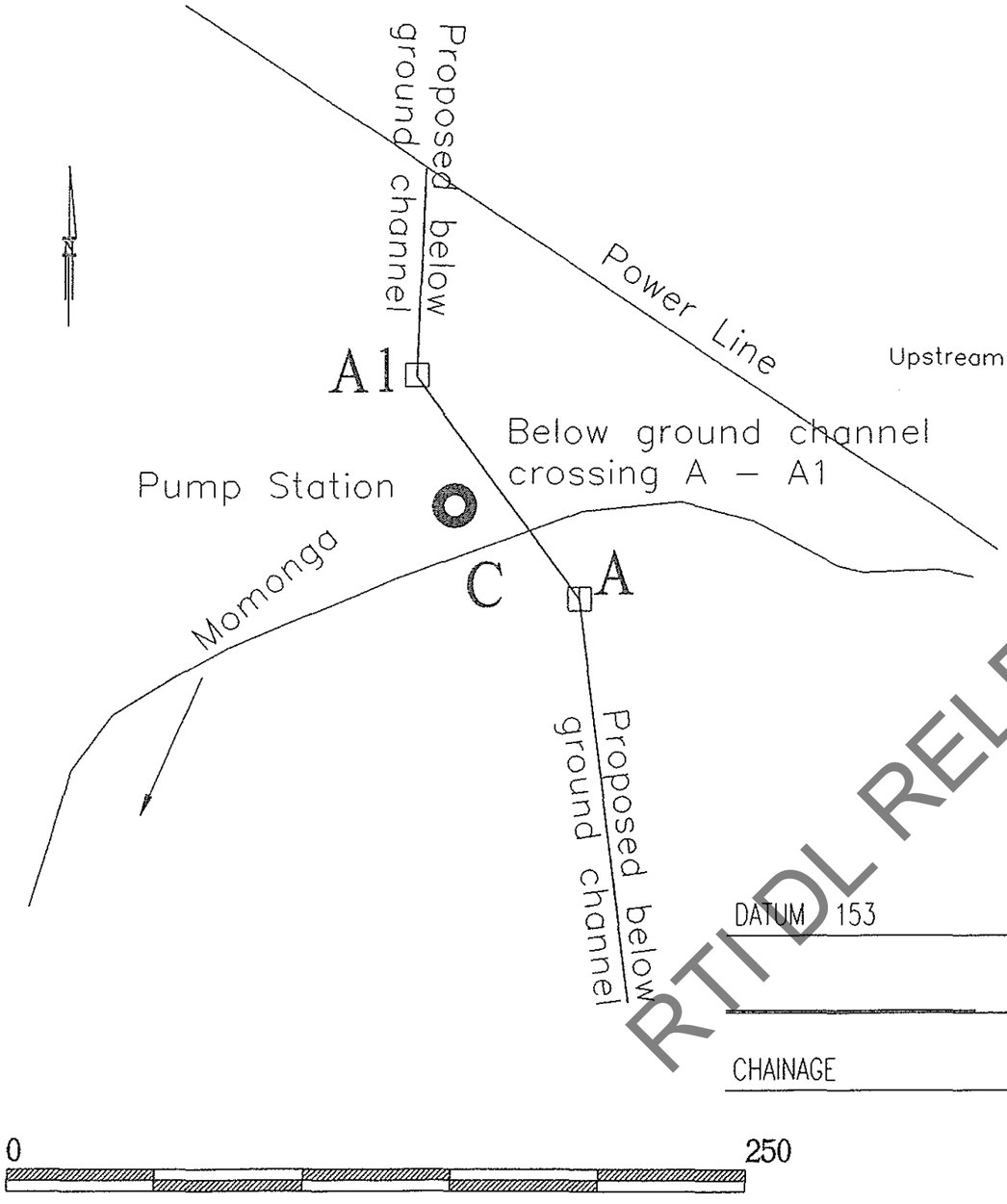
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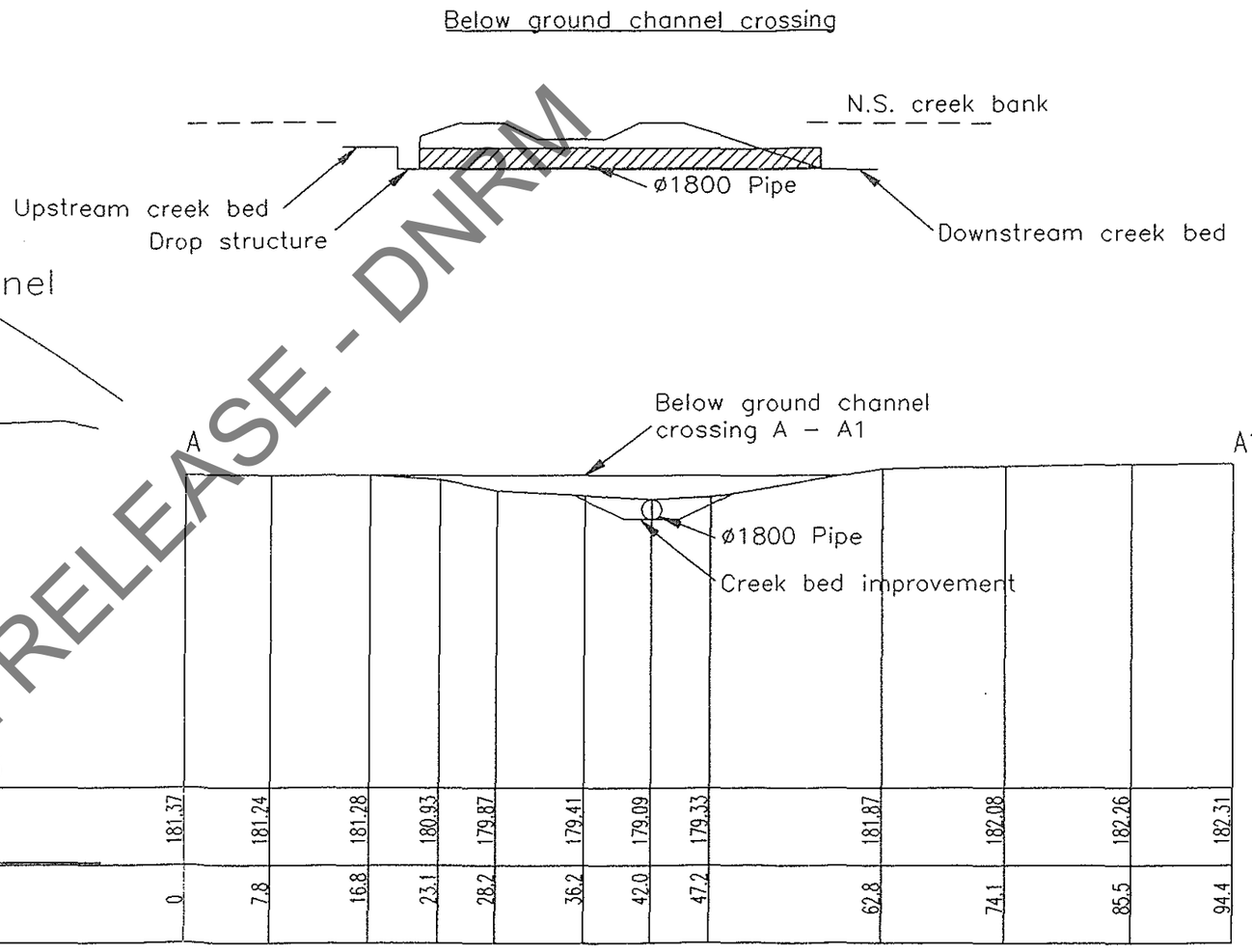
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Momonga Creek Cross-section A – A1

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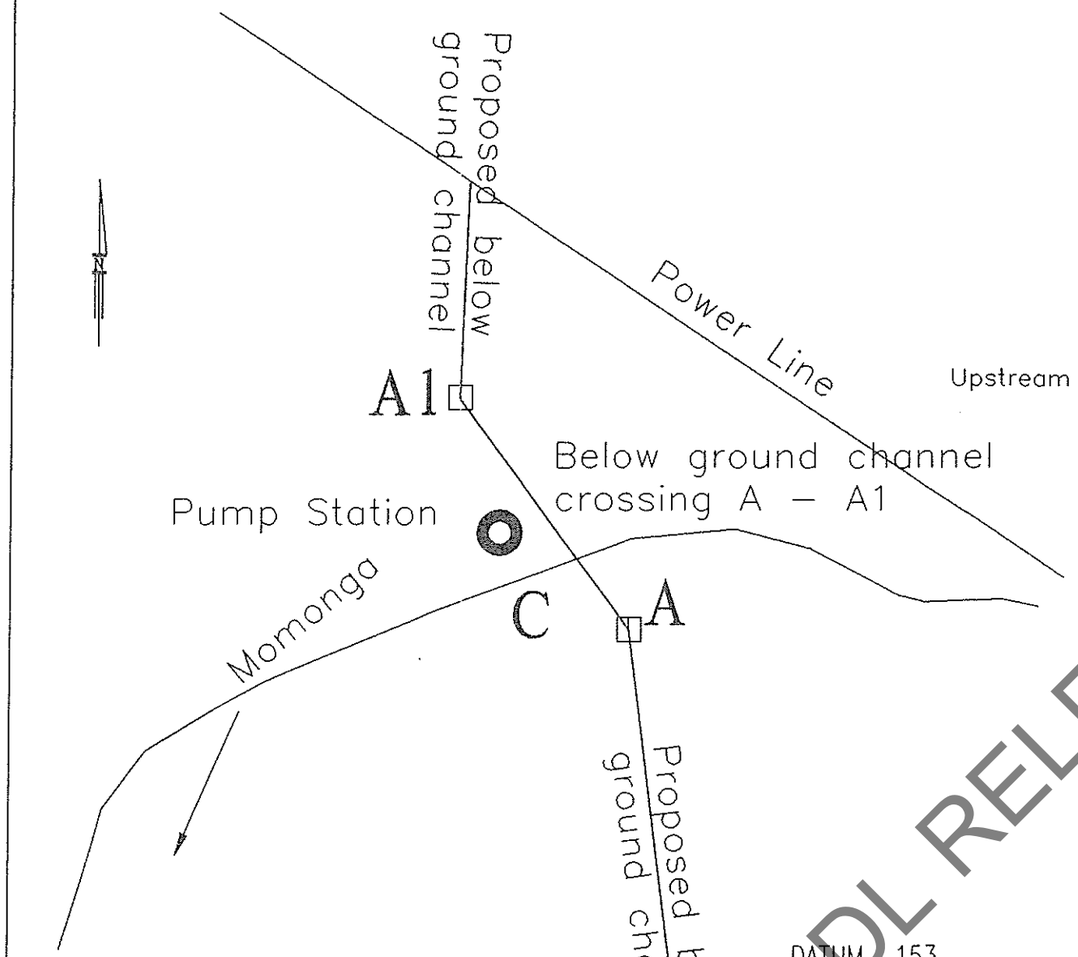
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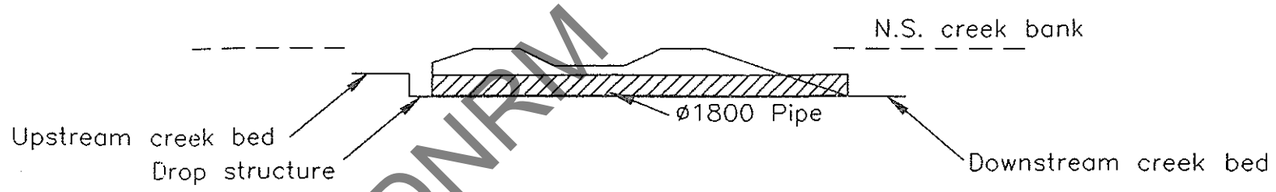
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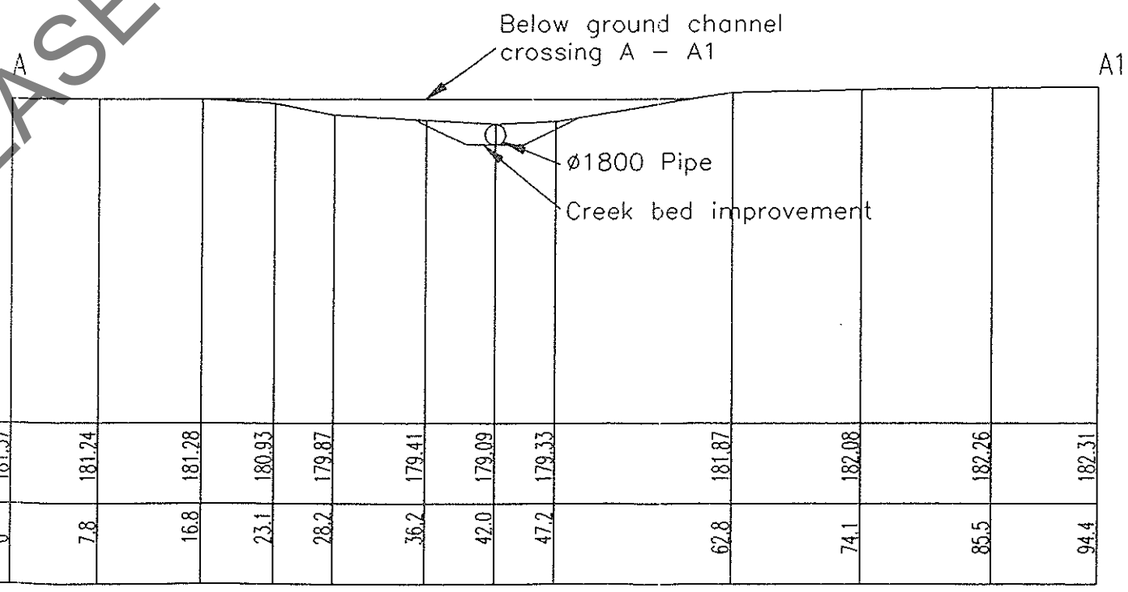
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Below ground channel crossing





DATUM 153												
	181.37	181.24	181.28	180.93	179.87	179.41	179.09	179.33	181.87	182.08	182.26	182.31
CHAINAGE	0	7.8	16.8	23.1	28.2	36.2	42.0	47.2	62.8	74.1	85.5	94.4

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Momonga Creek Cross-section A – A1

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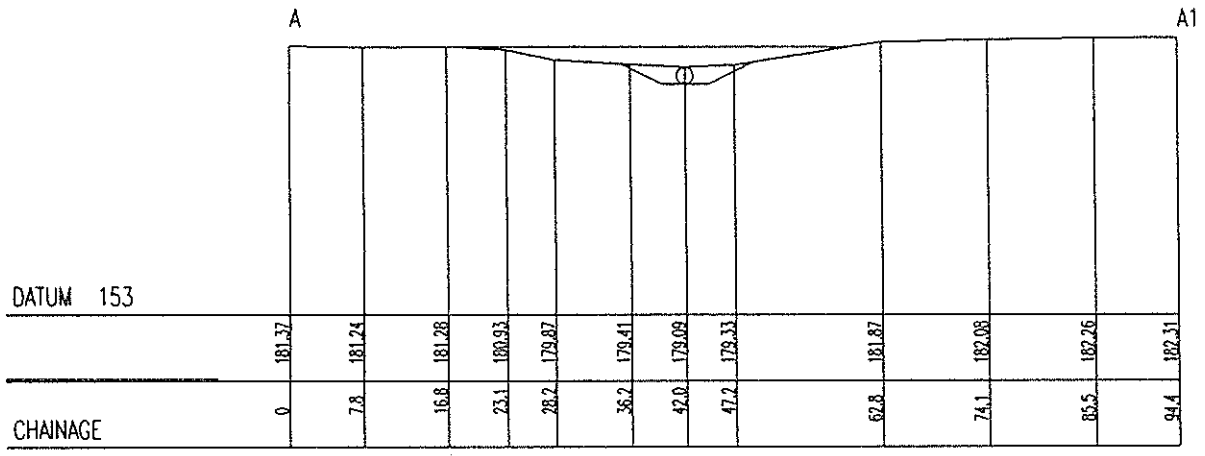
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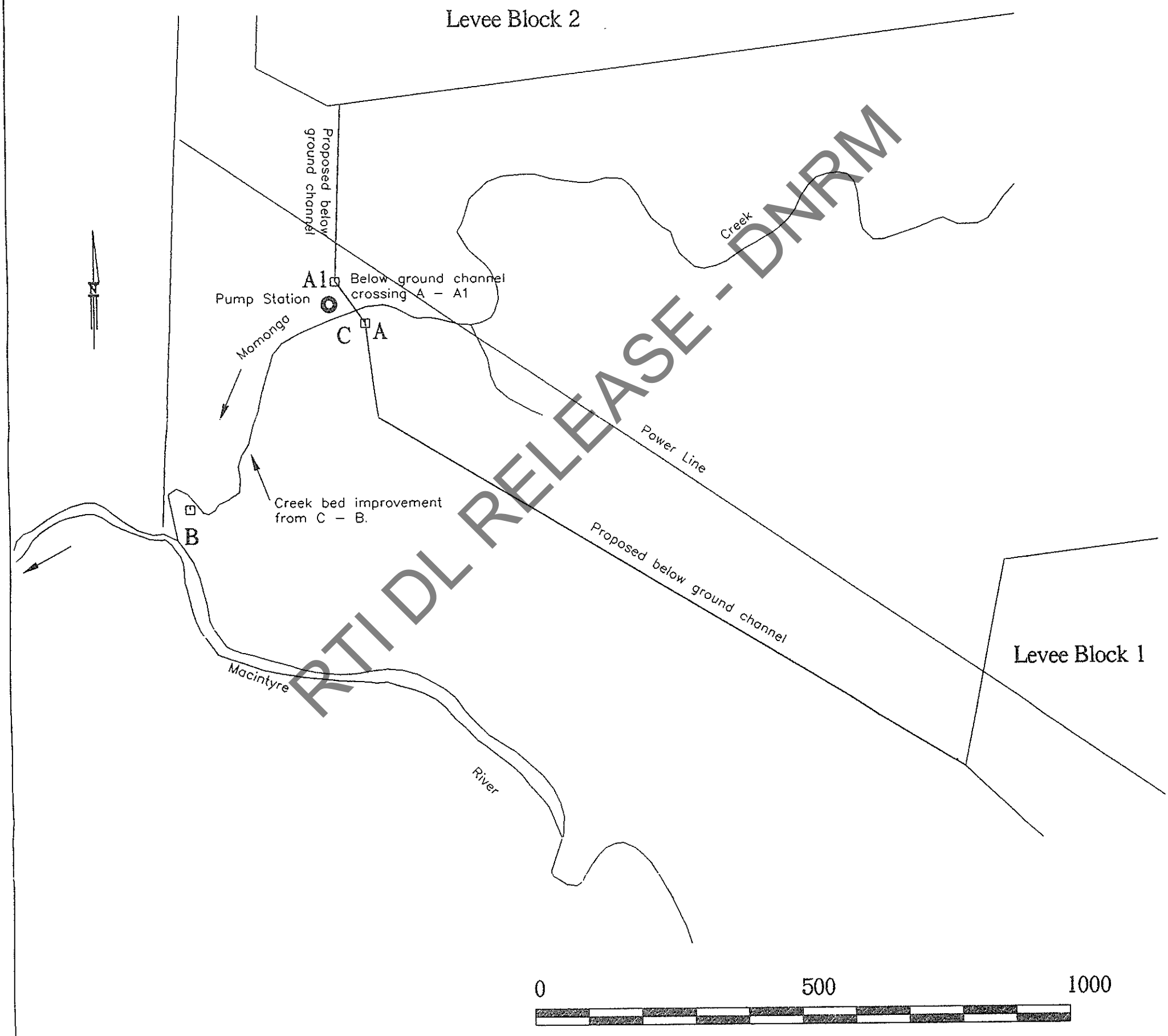
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Momonga Creek Cross-section A – A1



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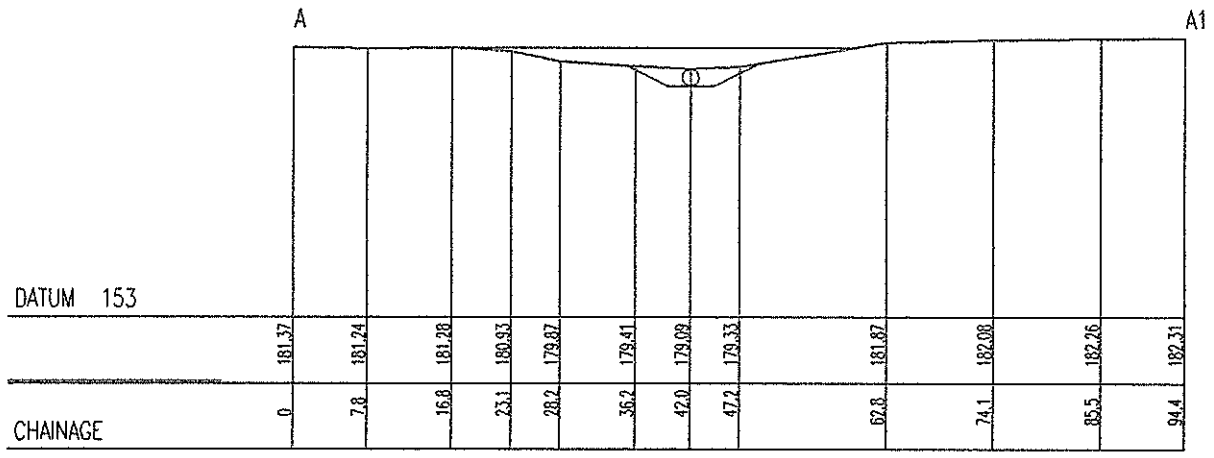
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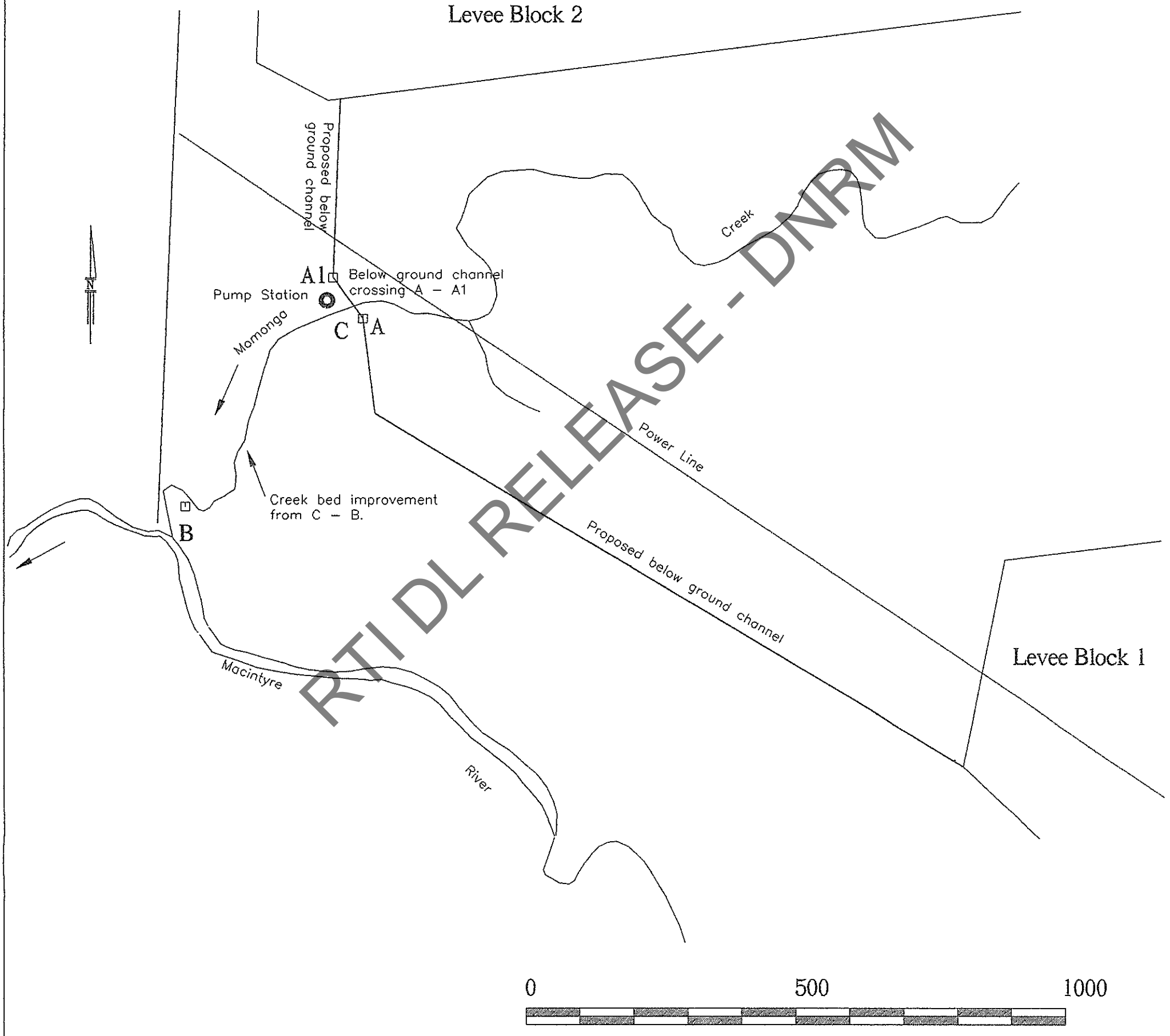
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Momonga Creek Cross-section A – A1



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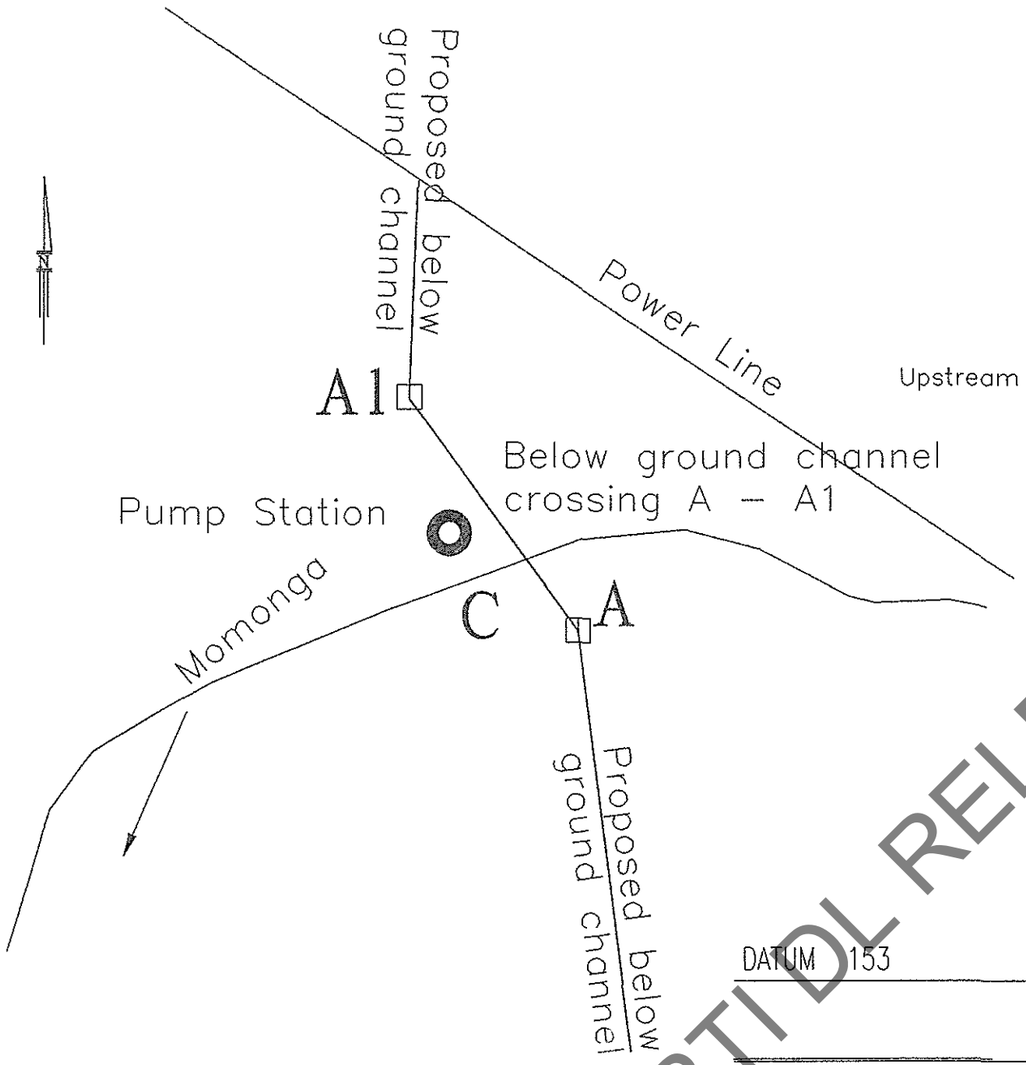
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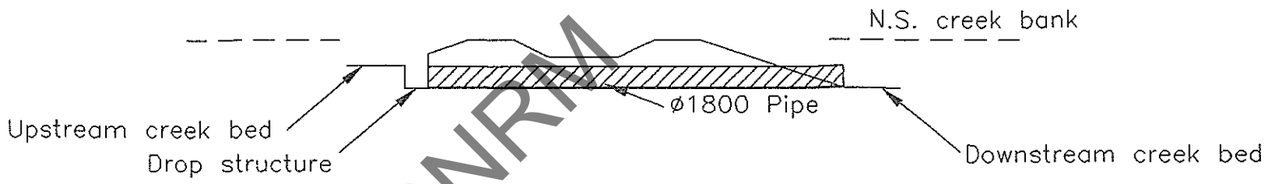
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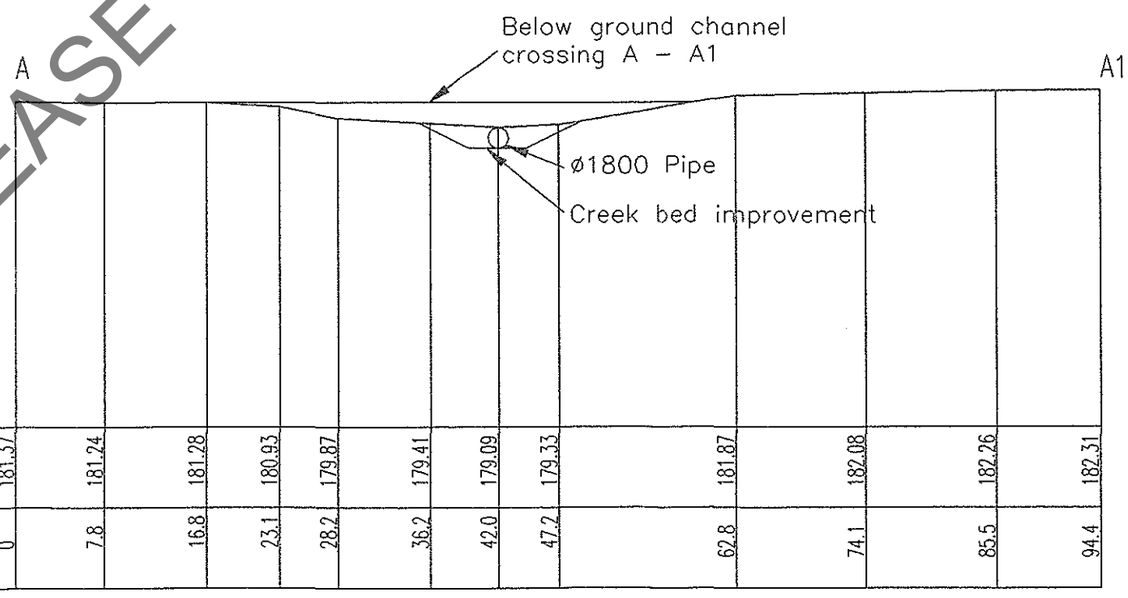
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Below ground channel crossing





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Momonga Creek Cross-section A – A1

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NATURAL RESOURCES

DATE: 15 September 2006

TO: Greg Embleton

FACSIMILE NO.: 07 4671 3163

FROM: Cella

SUBJECT: Coulton OLF Notification

NO. OF PAGES (INCLUDING COVER): 11

Natural Resources Mines & Water
15 SEP 2006
Received Goondiwindi

MESSAGE

Hi Greg

Following is the Coulton notification we were discussing. If you can have a look through and then let me know next Wed what you want done.

Thanx for your help

Cella

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Enquiries to:
Government Offices, Cnr Guy & Fitzroy Streets, WARWICK QLD 4370
PO Box 2, WARWICK QLD 4370
Telephone: (07) 4661 0200 Facsimile: (07) 4661 5215
g:\resource management\admin\template\dnrfaxwk.dot

Queensland Government
Natural Resources and Mines

NOTIFICATION OF EXISTING OVERLAND FLOW WORKS

(Water Act 2000)

Section 1

Purpose of this form

For the notification of works that allow the taking of overland flow water. Please refer to appropriate guidelines when completing this form.
Works that take overland flow water and are used solely for stock and domestic purposes must not be notified.

PART A Owner Details

NRM Client Number *(if known)*

Name *Specify the full name(s) of all owners or registered lessees of the land on which the works are situated*

DAVID COULTON
KIM COULTON

Attention (Optional) *eg. Principal, Secretary, Managing Director*

DR COULTON

Mailing Address *All correspondence will be delivered to this address*

PO Box 616
GOONDIWINDI

State QLD Postcode 4390 Country (if not Australia) AUSTRALIA

Contact Person's Details *(if different from above)* Title ☐ Mr ☐ Mrs ☐ Ms ☐ Miss ☐ Other *please specify*

Given Name
Last Name
Preferred Phone Alternate Phone Facsimile
Email Address

PART B Declaration *Authorised party to complete and sign the declaration below*

I do solemnly and sincerely declare, that being a person authorised by the owners of the land mentioned in Part F the information contained in this notice is true to the best of my knowledge and that all the works identified in this form were legally constructed either prior to the introduction of the moratorium for the area or in accordance with the moratorium and I make this solemn declaration conscientiously believing the same to be true and by virtue of the provisions of the *Oaths Act 1867*.

Name: DAVID ROSS COULTON.
Signature: sch4p4(6) Personal information
Date: 22 · 6 · 2005
Witnessed by: Mike Hubbard
Witness signature: sch4p4(6) Personal information
Date: 22 · 6 · 2005

PLEASE NOTE:
All Signatures must be witnessed by a Justice of the Peace, Solicitor or other person recognised under the *Oaths Act 1867*.

Dept Natural Resources & Mines

Reg. No. 3379

Use of this Information

This information is collected under the authority of the *Water Act 2000* and the *Integrated Planning Act 1997* for the purpose of ensuring the sustainable management and efficient use of water and other resources. This information will be publicly viewable at any Department of Natural Resources and Mines office.

28 JUN 2005
TOOWOOMBA

OFFICE USE ONLY	Application Number	Client Number	Number of Attachments	Catchment Water Code
		14823		
	Notification Date / / Initials	Notification Number		

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PART C General Location of Works

Name of Local Authority *(eg Shire, Town)*

WAGGAMBA SHIRE

Water Resource Plan Area *(Please tick)*

☑ Border Rivers ☐ Condamine-Balonne ☐ Moonie ☐ Warrego/Paroo/Bulloo/Nebine ☐ Fitzroy ☐ Georgina/Diamantina

Local Catchment *(eg Emu Creek)*

MACINTYRE RIVER

PART D Layout of Works on a Property

Sketch a plan showing the location of all overland flow works. Include property boundaries, Lot / Plan descriptions, watercourses, existing licensed works associated with watercourses, the overland flow path/s. Each dam/storage, pump or other works included on the plan should be numbered and details of the works shown under Parts G and H on the following page.

Features such as channels, drains and levees that direct water from an overland flow path into a dam/storage should be included in the sketch.

This sketch should only reflect the actual linkages that exist between various infrastructure components and should be made in black ink so that it is suitable for electronic scanning.

N

PLEASE REFER TO ATTACHED PLAN (Drwg # 05062-1)

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Alternatively, provide a layout of works on an A4 size property map.

PART E Summary of Works *Complete this section only once*

Total number of storages / dams 5

Estimated total storage capacity 113,580 *megalitres*

PART F Real property description of land on which works and benefited lands are located

Lot	Plan	Lot	Plan
1	CNW 180		

Section 2 of this form should be completed as many times as required for each overland flow storage and ancillary works

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Section 2

A separate sheet should be completed for each overland flow storage and ancillary works

(This page may be copied as many times as necessary for this purpose)

PART G Details of Major Works

Storage Number: 1 Storage Name: BLOCK 3 RESERVOIR

STORAGE / DAM or EXCAVATION

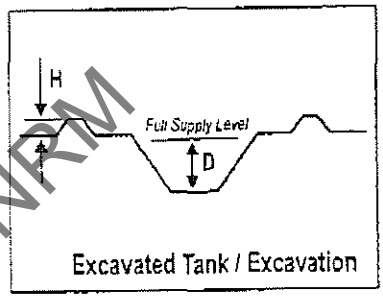
Source of all water stored:

- Gravity fed overland flow [ ] Pumped overland flow [✓]
- Water from a watercourse, lake or spring [ ] ➢ Provide details of any water licence numbers
- Underground Water [ ] ➢ Provide details of any water licence numbers
- Other [ ] ➢ *(Please describe)*

Type of storage:

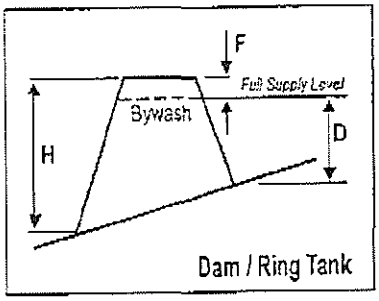
- Excavated tank [ ]
- Excavation [ ]
- Dam [ ]
- Ring tank [✓]

For these types of storages use this example to complete the dimensions section below ➢



Excavated Tank / Excavation

For these types of storages use this example to complete the dimensions section below ➢



Dam / Ring Tank

- Is this storage a natural lake or lagoon which has not been used as an irrigation storage [ ] Yes [✓] No
- Is this storage a bunded area which has not been used as an irrigation storage [ ] Yes [✓] No
- Has this storage been used for a purpose other than stock and domestic supply [✓] Yes [ ] No

Provide the following dimensions for each storage:

- Maximum depth at full supply level (D): 6.4 metres
- Height to top (H): 5.5 metres
- Maximum volume: 4,300.0 megalitres
- Maximum surface area at full supply level: ,95.3 hectares
- Freeboard (F): 0.9 metres

Does this storage have a bywash [ ] Yes [✓] No

Construction date: 16 07 2000

Purpose *(please specify)*: IRRIGATION SUPPLY

Location of storage: Lot: 1 Plan: CUN 160

OFFICE USE ONLY | Works Number:

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Release

Section 2

A separate sheet should be completed for each overland flow storage and ancillary works

(This page may be copied as many times as necessary for this purpose)

PART G Details of Major Works

Storage Number: 2 Storage Name: BLOCK 2 RESERVOIR

STORAGE / DAM or EXCAVATION

Source of all water stored:

Gravity fed overland flow ☐ Pumped overland flow ☑

Water from a watercourse, lake or spring ☐ ➢ Provide details of any water licence numbers:

Underground Water ☐ ➢ Provide details of any water licence numbers:

Other ☐ ➢ *(Please describe)*:

Type of storage:

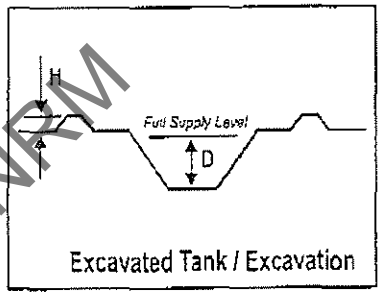
Excavated tank ☐

Excavation ☐

Dam ☐

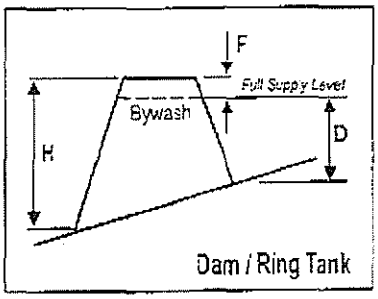
Ring tank ☑

For these types of storages use this example to complete the dimensions section below



Excavated Tank / Excavation

For these types of storages use this example to complete the dimensions section below



Dam / Ring Tank

Is this storage a natural lake or lagoon which has not been used as an irrigation storage ☐ Yes ☑ No

Is this storage a bunded area which has not been used as an irrigation storage ☐ Yes ☑ No

Has this storage been used for a purpose other than stock and domestic supply ☑ Yes ☐ No

Provide the following dimensions for each storage:

Maximum depth at full supply level (D)	7.2	metres
Height to top (H)	6.2	metres
Maximum volume	2,200.0	megalitres
Maximum surface area at full supply level	38.6	hectares
Freeboard (F)	0.9	metres

Does this storage have a bywash ☐ Yes ☑ No

Construction date: 13 06 2001

Purpose *(please specify)*: IRRIGATION SUPPLY

Location of storage: Lot 1 Plan CUN 160

OFFICE USE ONLY — Works Number:

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Section 2

A separate sheet should be completed for each overland flow storage and ancillary works

(This page may be copied as many times as necessary for this purpose)

PART G Details of Major Works

Storage Number: 3 Storage Name: BLOCK 1 RESERVOIR

STORAGE / DAM or EXCAVATION

Source of all water stored:

Gravity fed overland flow ☐ Pumped overland flow ☑

Water from a watercourse, lake or spring ☐ ➢ Provide details of any water licence numbers

Underground Water ☐ ➢ Provide details of any water licence numbers

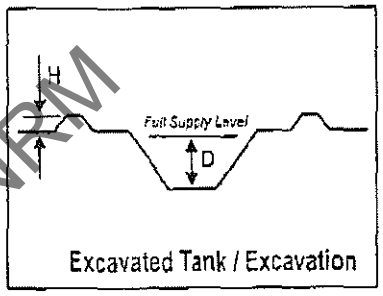
Other ☐ ➢ *(Please describe)*

Type of storage:

Excavated tank ☐

Excavation ☐

For these types of storages use this example to complete the dimensions section below

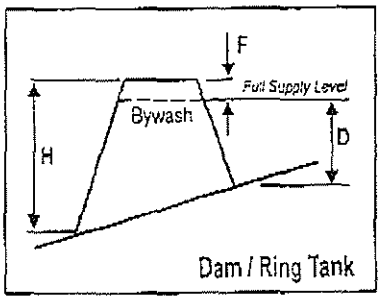


Excavated Tank / Excavation

Dam ☐

Ring tank ☑

For these types of storages use this example to complete the dimensions section below



Dam / Ring Tank

Is this storage a natural lake or lagoon which has not been used as an irrigation storage	☐ Yes	☑ No
Is this storage a bunded area which has not been used as an irrigation storage	☐ Yes	☑ No
Has this storage been used for a purpose other than stock and domestic supply	☑ Yes	☐ No

Provide the following dimensions for each storage:

Maximum depth at full supply level (D)	7.0	metres
Height to top (H)	6.0	metres
Maximum volume	4,200.0	megalitres
Maximum surface area at full supply level	83.2	hectares
Freeboard (F)	0.9	metres

Does this storage have a bywash ☐ Yes ☑ No

Construction date: 30 05 2002

Purpose *(please specify)*: IRRIGATION SUPPLY

Location of storage: Lot: 1 Plan: CUN 160

OFFICE USE ONLY — Works Number:

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Release

Section 2

A separate sheet should be completed for each overland flow storage and ancillary works

(This page may be copied as many times as necessary for this purpose)

PART G Details of Major Works

Storage Number: 4 Storage Name: PONDED FIELD 5

Source of all water stored:

Gravity fed overland flow [✓] Pumped overland flow [✓]

Water from a watercourse, lake or spring [ ] ➢ Provide details of any water licence numbers [ ]

Underground Water [ ] ➢ Provide details of any water licence numbers [ ]

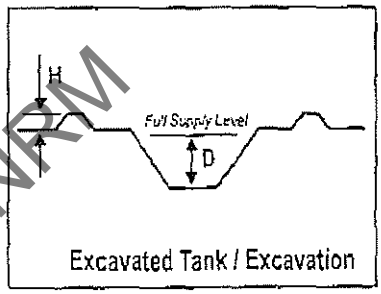
Other [ ] ➢ *(Please describe)* [ ]

Type of storage:

Excavated tank [ ]

Excavation [ ]

For these types of storages use this example to complete the dimensions section below

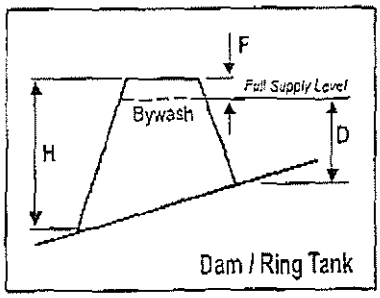


Dam [ ]

Ring tank [ ]

For these types of storages use this example to complete the dimensions section below

PONDED FIELD [✓]



STORAGE / DAM or EXCAVATION

Is this storage a natural lake or lagoon which has not been used as an irrigation storage [ ] Yes [✓] No

Is this storage a bunded area which has not been used as an irrigation storage [ ] Yes [✓] No

Has this storage been used for a purpose other than stock and domestic supply [✓] Yes [ ] No

Provide the following dimensions for each storage:

Maximum depth at full supply level (D): 0.7 metres

Height to top (H): 1.0 metres

Maximum volume: 980.0 megalitres

Maximum surface area at full supply level: 132.9 hectares

Freeboard (F): 0.3 metres

Does this storage have a bywash [ ] Yes [✓] No

Construction date: 01 07 2000

Purpose *(please specify)*: SHORT TERM STORAGE, IRRIGATION SUPPLY

Location of storage: Lot 1 Plan CUN 160

OFFICE USE ONLY | Works Number:

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Section 2

A separate sheet should be completed for each overland flow storage and ancillary works

(This page may be copied as many times as necessary for this purpose)

PART G Details of Major Works

Storage Number: 5 Storage Name: PONDED FIELD 9

STORAGE / DAM or EXCAVATION

Source of all water stored:

Gravity fed overland flow [✓] Pumped overland flow [✓]

Water from a watercourse, lake or spring [ ] ➢ Provide details of any water licence numbers [ ]

Underground Water [ ] ➢ Provide details of any water licence numbers [ ]

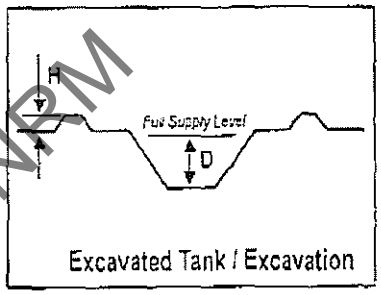
Other [ ] ➢ *(Please describe)* [ ]

Type of storage:

Excavated tank [ ]

Excavation [ ]

For these types of storages use this example to complete the dimensions section below

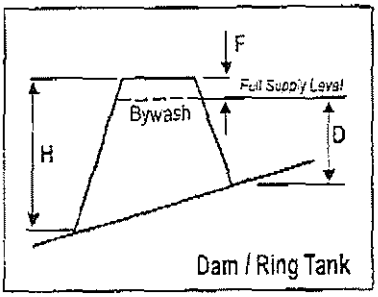


Excavated Tank / Excavation

Dam [ ]

Ring tank [ ]

For these types of storages use this example to complete the dimensions section below



Dam / Ring Tank

PONDED FIELD [✓]

Is this storage a natural lake or lagoon which has not been used as an irrigation storage: Yes [ ] No [✓]

Is this storage a bunded area which has not been used as an irrigation storage: Yes [ ] No [✓]

Has this storage been used for a purpose other than stock and domestic supply: Yes [✓] No [ ]

Provide the following dimensions for each storage:

Maximum depth at full supply level (D)	1.2	metres
Height to top (H)	2.0	metres
Maximum volume	1,900.0	megalitres
Maximum surface area at full supply level	153.7	hectares
Freeboard (F)	0.3	metres

Does this storage have a bywash: Yes [ ] No [✓]

Construction date: 30/05/2002 D.A.C.

Purpose *(please specify)*: SHORT TERM STORAGE, IRRIGATION SUPPLY

Location of storage: Lot 1 2 Plan CVN 160

OFFICE USE ONLY — Works Number:

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Release

PART H Details of Ancillary or Other Works

ANCILLARY SUMP used to take overland flow water

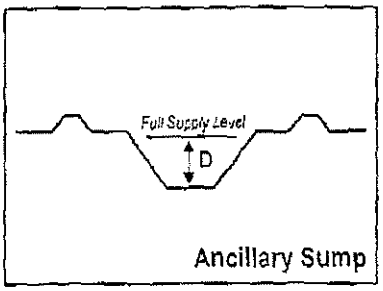
Provide the following details regarding sumps, return channels and similar excavations

Estimated Depth (D) [ ][ ] . [ ] metres

Estimated Capacity [ ] , [ ][ ][ ] . [ ] megalitres

Estimated Maximum Surface Area [ ] , [ ][ ][ ] . [ ] hectares

Location of sump: Lot [1] Plan [CUN 160]



Ancillary Sump

OFFICE USE ONLY | Works Number:

PUMPS used to take overland flow water

Provide the following details of existing pump units used to take overland flow

Number of pumps [5]

Pump Unit Number	Type	Metered (yes/no)	Pump Size			
			Inlet / Bore (mm)	Outlet / Stroke (mm)	Discharge (litres/second)	Duty Head (metres)
6	26" HBC 30		660	660	1850 L/S	6-5
7	"		"	"	"	"
8	"		"	"	"	7
9	"		"	"	"	7
10	"		"	"	"	11

Location of pumps: Lot [1] Plan [CUN160]

OFFICE USE ONLY | Works Number:

DIVERSION CHANNELS or BANKS / LEVEES / DRAINS used to take overland flow water

Works that direct overland flow water, such as levees, diversion banks or drains, into a dam/storage from an overland flow path are required to be shown in Part D of the "Notification Form".

Provide a description of these works as per numbering on the sketch in Part D (maximum 250 characters).

eg: *(1) 1.5 km diversion bank*
(2) 0.6 km below-ground catch drain
(3) etc

(11) 3·87 Km Diversion bank to Reservoir 1 inlet (flat bed)
(12) 600 m below-ground catch drain to Reservoir 2 (flat bed)
(13) 3,200 m below-ground catch drain to Reservoir 3 (flat bed)
(14) 1,460 m below-ground catch drain to Reservoir 1
(15) 2,800 m below-ground catch drain to Reservoir 3

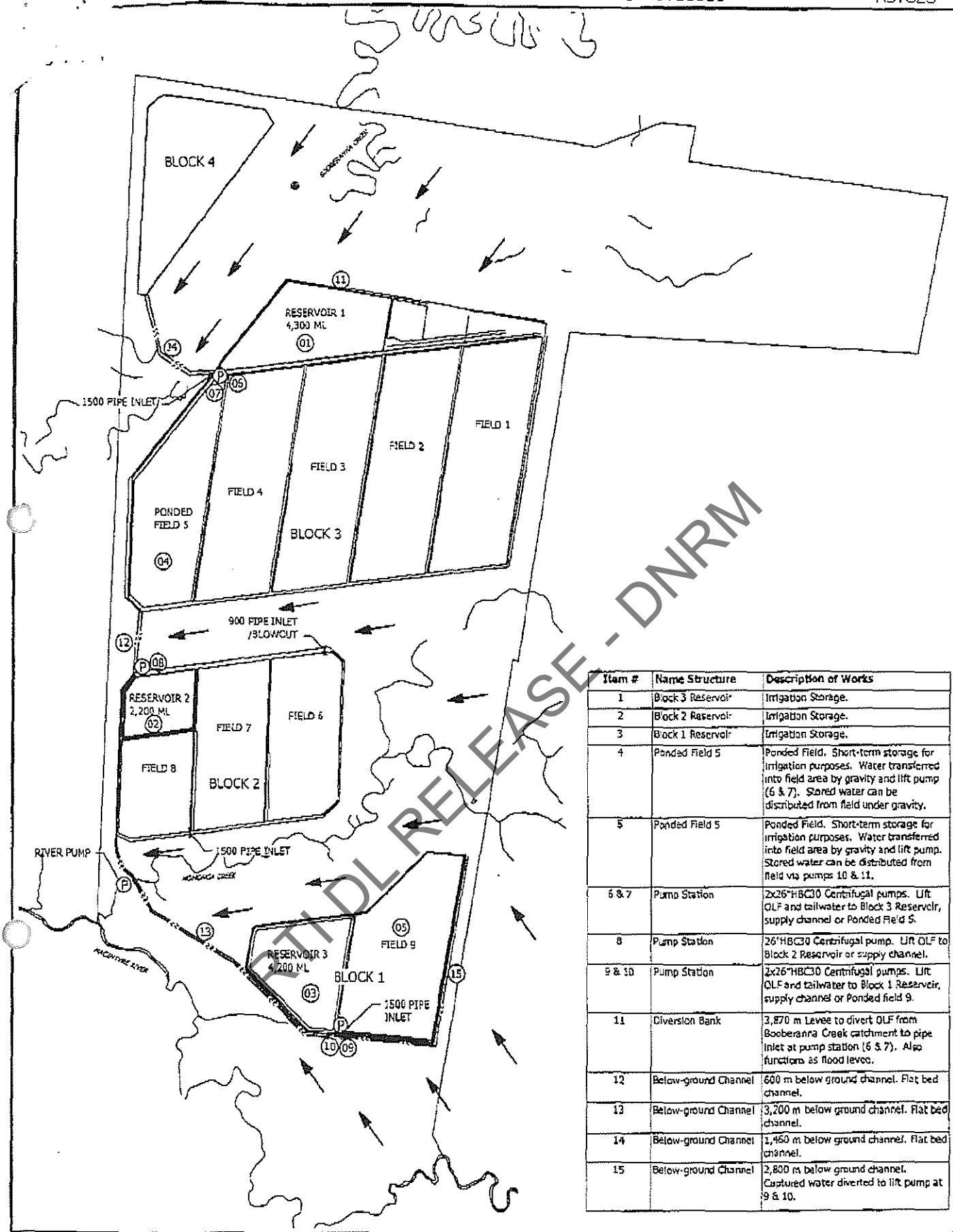
Location of channels / drains: Lot [1] Plan [CUN 160]

OFFICE USE ONLY | Works Number:

RTI DE-RELEASE - DNRM

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Release



Item #	Name Structure	Description of Works
1	Block 3 Reservoir	Irrigation Storage.
2	Block 2 Reservoir	Irrigation Storage.
3	Block 1 Reservoir	Irrigation Storage.
4	Ponded Field 5	Ponded Field. Short-term storage for irrigation purposes. Water transferred into field area by gravity and lift pump (6 & 7). Stored water can be distributed from field under gravity.
5	Ponded Field 5	Ponded Field. Short-term storage for irrigation purposes. Water transferred into field area by gravity and lift pump. Stored water can be distributed from field via pumps 10 & 11.
6 & 7	Pump Station	2x26"HBC30 Centrifugal pumps. Lift OLF and tailwater to Block 3 Reservoir, supply channel or Ponded Field 5.
8	Pump Station	26"HBC30 Centrifugal pump. Lift OLF to Block 2 Reservoir or supply channel.
9 & 10	Pump Station	2x26"HBC30 Centrifugal pumps. Lift OLF and tailwater to Block 1 Reservoir, supply channel or Ponded field 9.
11	Diversion Bank	3,870 m Levee to divert OLF from Booberanna Creek catchment to pipe inlet at pump station (6 & 7). Also functions as flood levee.
12	Below-ground Channel	600 m below ground channel. Flat bed channel.
13	Below-ground Channel	3,200 m below ground channel. Flat bed channel.
14	Below-ground Channel	1,460 m below ground channel. Flat bed channel.
15	Below-ground Channel	2,800 m below ground channel. Captured water diverted to lift pump at 9 & 10.

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Rev	By	Description	Approved	Date
A	AB	FOR INFORMATION		

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ACN: 009 389 968
ABN: 25 215 374 671

CLIENT: DB & KA COULTON

PROJECT: NEILO OLF NOTIFICATION

Scale at A4			
Designed	AAB	Date	21/09/05
Drafter	AAB	Date	21/09/05
Draft check		Date	
Approved		Date	

PLAN OF EXISTING WORKS

Datum: N/A Contour Int.: N/A

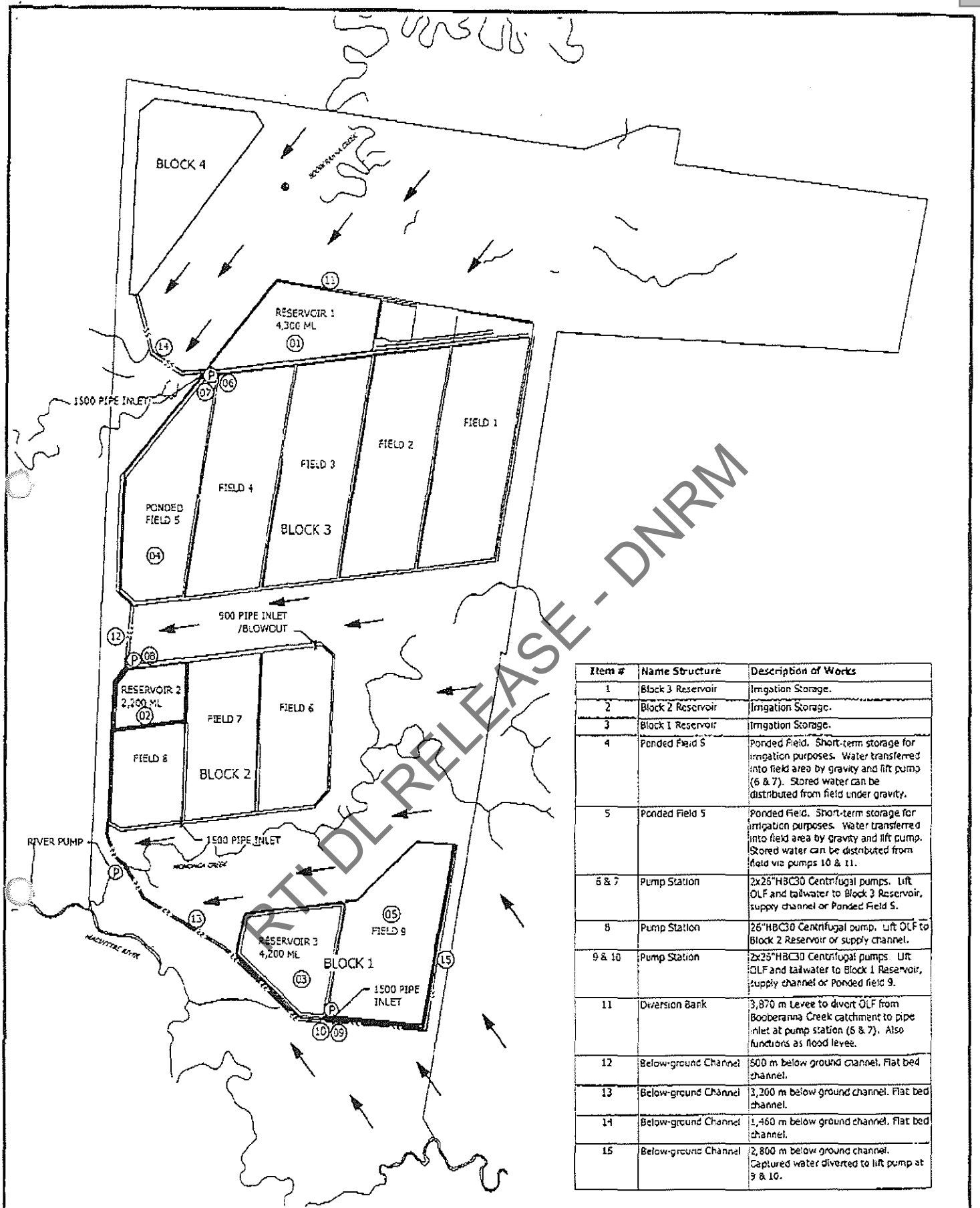
Drawing No. 05062-01

Sheet 1 of 1

Revision A

G:\Projects C\05062\Design\Overland Flow Submission\DWG\05062_BASE.dwg, 05062-PLAN, 21/09/2005 8:46:50

Release



Item #	Name Structure	Description of Works
1	Block 3 Reservoir	Irrigation Storage.
2	Block 2 Reservoir	Irrigation Storage.
3	Block 1 Reservoir	Irrigation Storage.
4	Ponded Field 5	Ponded Field. Short-term storage for irrigation purposes. Water transferred into field area by gravity and lift pump (6 & 7). Stored water can be distributed from field under gravity.
5	Ponded Field 5	Ponded Field. Short-term storage for irrigation purposes. Water transferred into field area by gravity and lift pump. Stored water can be distributed from field via pumps 10 & 11.
6 & 7	Pump Station	2x25"HBC30 Centrifugal pumps. Lift OLF and tailwater to Block 3 Reservoir, supply channel or Ponded Field 5.
8	Pump Station	25"HBC30 Centrifugal pump. Lift OLF to Block 2 Reservoir or supply channel.
9 & 10	Pump Station	2x25"HBC30 Centrifugal pumps. Lift OLF and tailwater to Block 1 Reservoir, supply channel or Ponded field 9.
11	Diversion Bank	3,870 m Levee to divert OLF from Booberanna Creek catchment to pipe inlet at pump station (6 & 7). Also functions as flood levee.
12	Below-ground Channel	500 m below ground channel. Flat bed channel.
13	Below-ground Channel	3,200 m below ground channel. Flat bed channel.
14	Below-ground Channel	1,460 m below ground channel. Flat bed channel.
15	Below-ground Channel	2,800 m below ground channel. Captured water diverted to lift pump at 9 & 10.

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Rev	By	Description	Approved	Date
A	AB	FOR INFORMATION		

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EARTHWORKS & CIVIL CONSTRUCTION

CLIENT: DB & KA COULTON

PROJECT: NEILO OLF NOTIFICATION

Scale at A4			
Designed	AAS	Date	21/06/05
Drafted	AAS	Date	21/06/05
Draft check		Date	
Approved		Date	

PLAN OF EXISTING WORKS

Datum: N/A Contour Int.: N/A

Drawing No. 05062-01

Sheet 1 of 1

Revision A

RTI 13-063

Release

David Coulton - Neilo.

16 Nov 2000.

Started status given to continue irrigation development on Lot 1 on CUV 160, Blocks 1 and 2. Proposed completion date end of September 2001

- Does not include the construction of Ring Tank embankments to a height greater than 5 metres

Block 1. - 4000 ML Ring Tank. } Approved
- 5m high? or 6.4m? }

Constructed - 4 200 ml Ring Tank - 30/5/2002
- 6 m high

Block 2 Approved - 2000 ML Ring Tank
- 5m or 6-36 m high?

Constructed 2 200 ML Ring Tank - 13/6/2001
- 6.2m high

Block 1 - Ponded Field 9. - Known as Field 8 in initial proposal
Approved: 1.95m high?
No volume

Constructed 30/5/2002
2m high
1900 ml.

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Embleton Gregory

From: Valenti Marcella
Sent: Monday, 11 September 2006 3:38 PM
To: Embleton Gregory
Subject: Starter status enquiry for Goondiwindi client

Hi Greg

Long time no see. Hope you had a great weekend in Bris.

Just wanting to check to see if you know of starter status for Client 14823 David & Kim Coulton; re 1 CVN160.
The postal address given is a PO in Goondiwindi and there are no contact details on the form. WERD address is Murilla.

Am wanting to process their OLF notification and a couple of dams are showing dates of 13/6/01, and 30/5/02 x 2.

Can you let me know if you know of anything please.

thanx muchly
Cella
aka

Marcella Valenti

NRMW - Overland Flow
Warwick
ph 07 4661 0235
fax 07 4661 5215

RTI DL RELEASE - DNRM

L276

DOYLE WILSON
SOLICITORS

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Goondiwindi Office:
124 Marshall Street
P.O. Box 372
Goondiwindi. Qld. 4390
Email: doylewil@northnet.com.au
Tel: (07) 4671 1266
Fax: (07) 4671 2584

Partners:
Andrew J. Doyle B.A. LL.B.
Lachlan T.G. Wilson B.A. LL.B.

DEPARTMENT NATURAL RESOURCES
RECEIVED
-1 SEP 2000
GOONDIWINDI

REPLY TO GOONDIWINDI OFFICE

Our Ref: ..... Date: 1-9-00.

Your Ref: ..... Time: .....

Attention: Umapati Yadav

Company: Department Natural Resources

Fax No: 4671 3163

Pages: 21 (including this header)

FACSIMILE TRANSMISSION

Re: COULTON - NEILSEN

Message: Please find following copy of title search showing David + Kim Coulton as registered proprietor as requested by David Coulton

Regards
Susie

File:
To client's licensing file.

PLEASE TELEPHONE (07) 4671 1266 IMMEDIATELY IF YOU DO NOT RECEIVE ALL PAGES

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RTI DL RELEASE DNRM

Release

TITLE REFERENCE - 50300025

CURRENT TITLE SEARCH
DEPT. OF NATURAL RESOURCES, QUEENSLAND

Attention Sue.

Title Reference: 50300025
Date Created: 14/02/2000

est No: 103598167
h Date: 28/08/2000 9:42 am

ious Title: 40023641

ISTERED OWNER

ling No: 704248980 14/08/2000

VID BOYD COULTON
H ALEXANDRA COULTON JOINT TENANTS

STATE AND LAND

Estate in Fee Simple

LOT 1 CROWN PLAN CVN160 Parish of TARABA
County of CARNARVON

EASEMENTS, ENCUMBRANCES AND INTERESTS

1. Rights and interests reserved to the Crown by Deed of Grant No. 40023641 (Lot 1 on CP CVN160)

2. SEC 174 NOTATION No 703970492 14/02/2000 at 11:02
The provisions of Section 174(1), Land Act 1994 apply to a Transfer of the whole or part of the land

3. MORTGAGE No 704248985 14/08/2000 at 14:40
AUSTRALIA AND NEW ZEALAND BANKING GROUP LIMITED A.C.N. 005 357 522

ADMINISTRATIVE ADVICES - NIL
UNREGISTERED DEALINGS - NIL

CERTIFICATE OF TITLE ISSUED - No

Caution - Charges do not necessarily appear in order of priority

** End of Current Title Search **

Requested By: CITEC CONFIRM

Page 1/1

*** End Of Extract ***

PRINTED : 28/08/2000

ANZ REFERENCE : 5R6D

RTI DL RELEASE - DNRM

Author: Guy Bignell
File / Ref number: GOO/515/003(0276) Batch 1 & GOO/515/003(1009) Batch 2
Directorate / Unit: Department Natural Resources, Resource Management
Phone 07 4671 6100

16th November 2000

David & Kim Coulton
"Morella"
PO Box 616
GOONDIWINDI Q 4390

Dear Mr. & Mrs. Coulton

MORATORIUM STARTED CONSIDERATION FOR PROPOSED WORKS

The Department of Natural Resources wishes to thank you for the submission, submitted by you, for works to be considered as started under the Border Rivers Moratorium Notice.

Your request to continue the irrigation development on Lot 1 on Plan CVN160, Blocks 1 & 2, as out-lined in your submission with a proposed completion date of the end of September 2001, is granted. Please note that this work needs to be carried out within a reasonable time frame and unreasonable delays could see this permission with drawn.

Please note that this permission does not include the construction of Ring Tank embankments to a height of greater than 5 metres as this Department has licensed none of the proposed storages and are therefore limited to this high under the moratorium.

The advice provided above relates only to an assessment of the starting of works having regard to the criteria contained in the Moratorium Notice for the Border Rivers dated 20th September 2000.

The broad intent of the Notice is to maintain the status quo with respect the development and extraction of water from watercourses, lakes and springs as well as overland flow in the Border Rivers catchment pending completion of the Flow Management Plan.

Whilst the Department has determined that the works for which you have made submission may continue to be constructed or implemented within the limitations as advised above, you should be aware that the Flow Management Planning process currently underway in the

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Enquires to Guy Bignell
24 – 26 McLean Street
Locked Bag 4
GOONDIWINDI Q 4390

Telephone 07 4671 6100
Facsimile 07 4671 3163

Border Rivers catchment will be the basis for determining water allocation arrangements and related access rules and securities.

The current planning process will ultimately determine a water-sharing regime for the Border Rivers catchment.

In the final draft water resource plan for the Border Rivers, the provisions about restricting the granting of or amending any entitlement issued under the *Water Resources Act 1989* or *Water Act 2000* to take or interfere with water or water sharing under the plan, may give priority to water users:

- Located in the plan area who had constructed, or started construction of, works for taking of or interfering with overland flow water before 25th November 1999; and
- Who hold entitlement issued under *Water Resources Act 1989* or *Water Act 2000* to take or interfere with water to which the plan applies and had constructed, or started construction of, works for taking of or interfering with overland flow water before 25 November 1999.

Should you require clarification on this issue or in relation to my determination regarding the starting of works on your property please contact Guy Bignell at this Office or on phone 4671 6100.

Yours sincerely

sch4p4(6) Personal information

for Ross Carruthers
Operation Manager, Resource Management
Goondiwindi

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Queensland Government
Department of Natural Resources

Moratorium Notice – Water Act 2000
Works - Assessment Sheet

General Details **Part A**

Basin: BORDER RIVERS **DNR Office:** GOONDIWINDI

Applicant Name: D + K CALTON **Date of contact:**

Address: MORELLA
PO BOX 616
GOONDIWINDI Q 4390

Contact Phone Number/s: 07 46762198 + sch4p4(6) Personal information

General description of works **Part B**

To complete ~~dev~~ development of 420 ha of irrigation + ~~[illegible]~~ 2000 ML + 4000 ML storage with Flood Plain Harvesting proposal

Is applicant seeking exemption under moratorium? ☑ Yes ☐ No

Exemption Category

1. Stock and domestic dam collecting overland flow ☐
2. Farm infrastructure (roads, earth pads, building pads, drainage ☐
3. Flood prevention levees that do redistribute flows from established flow paths ☐
4. Development of land for urban and rural purposes ☐
5. Irrigation development (land grading, head ditches etc.) ☑
6. Storages required under BMP's (tail water retention, effluent retention) ☐
7. Reconstruction of damaged storages after failure. ☐
8. Construction of soil conservation works ☐
9. Local government infrastructure such as roads and drainage. ☐
10. Construction or repair of major roads or railways ☐

Advice provided on first contact: Proposed development of Block 1 + 2 plus work completed thus far.

Queensland Government
Department of Natural Resources

Started Works Assessment ***Part C***

Has applicant started works? ☑ Yes ☐ No

Has applicant signed a statutory declaration? ☑ Yes ☐ No

Assessment against started criteria

Criteria A - Construction of works commenced or contract signed

(Construction has physically commenced or, if construction has not physically commenced a contract has been entered into for the imminent commencement of the of the works)

Does the applicant meet Criteria A? ☑ Yes ☐ No

Supporting documentation: Signed statutory declaration with contractor, provide receipts of pumps ordered for projects ~~date~~ dated before moratorium date

Comments: Umgeste + Grey have inspected properties and verified that works have been started as stated in submission in early November.

Criteria B - Verifiable construction program

(An independently verifiable construction program exists for progressive construction towards completion of the works)

Does the applicant meet Criteria B? ☑ Yes ☐ No

Supporting documentation: Supplied by Sudholz

Comments: To be completed by the end of September as stated in submission

Criteria C - Detailed plans

(Detailed design plans exist showing, among other things, the extent of the works)

Does the applicant meet Criteria C? ☑ Yes ☐ No

Supporting documentation: Detailed plans of proposed development have been provide

Comments:

Criteria D - A Local Authority, IPA, or IDAS permit is issued if required

(If a permit under the Local Government Act 1993, section 940 or a development permit is required)

Does the applicant need a permit? ☑ Yes ☐ No

Does the applicant meet Criteria D? ☑ Yes ☐ No

Supporting documentation: copies of dam levee approvals have been supplied no IPA or IDAS permits are required.

Comments:

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Department of Natural Resources

Recommendations — *Part D*

Further Action/Information required? ☐ Yes ☑ No

For Referral to Reference Panel? ☑ Yes ☐ No

Recommendation against assessment under started criteria:

This submission was reviewed by the reference Panel on the 11TH December 2000 & approved by them

Prepared By: sch4p4(6) Personal information **Date:** 15/1/2001

Reference Panel/Operations Manager Decision — *Part E*

Assessment Endorsed ☐ Yes ☐ No

Comments:

Signed: Operations Manager **Date:** 16/1/01

sch4p4(6) Personal information

Subsequent Actions — *Part F*

Subsequent Action Required	By Whom	By When

RTI DL RELEASE - DNRM

5th September 2000

D & K Coulton
"Morella"
PO Box 616
GOONDIWINDI QLD 4390

Dear Madam

WATERWORKS LICENCE VALIDATION

It has come to our attention that there is a conflict of information held by this office. A data search from the Department of Natural Resources Automatic Titles System database, pertaining to licence numbers 47990H, 47937H & 47936H reveals as follows:

Name shown on Licence document: **JWE CORLIS**

Name shown as owners as per ATS Search: **D & K COULTON**

There is also a Riparian Permit (05866H) attached to this land, these are non-transferrable so I have included an application to be completed and returned.

It would be greatly appreciated if you could advise this office at your earliest convenience, of the current owners details. If applicable, complete the Transferral application attached and send same back to this office, where amended licences can be issued in due course.

If you do not require the further use of these licences, please contact this office for a Surrender of Licence form to be forwarded to you.

Thank you for your assistance in this matter.

Yours faithfully

sch4p4(6) Personal information

sch4p4(6) Personal information

R Carruthers
OPERATIONS MANAGER
GOONDIWINDI

received the forms 6/9/2000

RTI DL RELEASE - DNRM

Enquires to: R MALYNN Our Ref: L1009/P2
24-26 McLean Street, Locked Bag 4, GOONDIWINDI QLD 4390
☎ (07) 46 716 100 Fax No: (07) 46 713 163

DNR

SUDHOLZ PTY LTD
ACN 009 989 968
ABN 25 215 374 671
PO Box 883
34 Lagoon Street
Goondiwindi 4390
Ph 07 4671 1044 Fax 07 4671 2022

7th December 2001

The Water Resource Officer
Department of Natural Resources
GOONDIWINDI QLD 4350

Attention: Mr Guy Bignell

Dear Sir

Mr David Coulton and "Neilo Property

Our company is currently carrying out an irrigation development program on "Neilo".

In June 1999, our company was contacted by David and Kim Coulton to assist with their preliminary assessment of Neilo as an irrigation project. Coultons proposal was to develop a minimum of 1,700 ha of irrigated cotton country suitably flood protected and with 10,000ml of water storage.

There appeared to be some difficulty over the negotiations for purchase of the property. The vendor was obviously aware of the irrigation potential and had inflated the price to reflect this.

It was established that a minimum of 1,400ha could be obtained and Coultons finally agreed to purchase the property, after obtaining our assurance that we were confident of the ability to definitely recover the green acres estimated. The certainty of being able to obtain the maximum productivity and complete the project quickly would have been critical to the financing of the deal.

Survey and design work was already under way prior to the completion of the property purchase and by September 1999 contour plans were available and design work well advanced.

Coultons bought their own bulldozer at some significant cost and with the help of two more of our machines proceeded to clear the development area. This was completed in March 2000 and

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concurrently levees were being built, land levelling was in progress and a reservoir and pump stations were under construction.

A block of 800ha was prepared for cotton and development was substantially complete on the reservoir and supply channels by July 2000.

At the same time the next block was cutter-barred ready for land levelling, the levees constructed and reservoir and pump designed. The supply channel to this area was built. It was mid August and a decision was taken to complete the river pump and diversion works along with the channel linking all three blocks into the system.

It was important now to continue development of the third block as it contained the second 4,000ml storage and two pumps, which are critical to the reliability of the water supply.

Work continued on the levees, channels and reservoir embankment in this area till rain and floods brought it to a temporary standstill.

Our instructions from the Coultons dating from December 1999, were to proceed with the development of the maximum area that could be obtained at the best possible speed.

This area was defined by the license to erect flood levees, which had now been approved under the Local Government regulation.

Whatever work wasn't completed for cotton planting in September was to proceed expediently and continuously to ensure that the full farm area would be planted in September 2001.

We have proceeded on that basis. All planning was completed early 2000, detailed drawings have been produced as we progressed and suppliers advised of requirements.

Our fabrication division has been working on the construction of pump stations and pipe work continuously. Prior to the recent floods it had been hoped to have the next storage operational before the end of the summer" wet season".

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We note that Coultons have spent a considerable sum of money so far on all areas of the development and have significant commitments for work currently in train.

The development has not been planned or constructed in separable parts due to the need for an integrated design where the various components are each complementary to the viability of the whole.

We have included various documents in support of Coultons submission regarding the moratorium.

Regards

sch4p4(6) Personal information

Dick Sudholz
Sudholz Pty Ltd

encl.

RTI DL RELEASE - DNRM

Mr. Guy Bignall,
Department of Natural Resources,
Goondiwindi, Q, 4390

RE: APPLICATION FOR START APPROVAL "NEILO"

Dear Sir,

This document addresses the criteria for a "start" approval under the Moratorium on water Development announced on September 20th 2000. As construction of this project is a long-term project (work began by contractors in June 1999), there are also implications of this application under the "Freeze" announcement in August 2000 and the "Cap" announcement in November 1999.

I firmly believe that I have fully met the criteria under which the continuation of development is allowed. **IT MUST BE NOTED THAT CONSTRUCTION WAS IN PROGRESS PRIOR TO AND AFTER THE ANNOUNCEMENT OF THE MORATORIUM.** Departmental Officers, Mr. Guy Bignall and Mr. Uma Parti, witnessed this construction continuing.

The criteria by which I have assembled the relevant information were gained from the Water Bill 2000 Section 42, Subsection 8.

Subsection 8 (a)

- The purchase of the property was conditional on obtaining sufficient areas of land, which could provide at least 1400 hectares of protected country for irrigation development.
- Supporting documentation of the previous owner receiving approval for the levee bank permit for the entire farm is provided in Appendix 1.
- Sudholz Pty Ltd was contracted to provide a design for the farm, which included all planned storages and irrigation areas. As I have been dealing personally with Mr. Dick Sudholz for many years, a verbal agreement was entered into for the design and construction to be completed upon the hourly schedule of rates supplied by Sudholz. A statutory declaration supporting this is provided.
- Survey of the property began in April 1999, with the initial design of the first storages and irrigation areas completed by September 1999. A preliminary design was completed, with all planned storages and areas detailed. A plan showing the intent of construction is included in appendix two. **It was always my intent to fully develop the property to this level.** It is an economic necessity to do this.
- Construction began in March 2000, with the design of the remaining farm proceeding concurrently with this construction work. Final design work for the property was completed in July 2000. Set out of the project proceeded as soon as preliminary site preparation was completed.

RTI DE RELEASE - DNRM

- 800 hectares was being watered, with adequate storage and pumping facilities for the watering of these areas, with further development of irrigated areas proceeding rapidly prior to the announcement of the moratorium.
- Construction was halted only because of the recent floods.

Therefore construction has physically commenced. I view the remaining storages to be constructed as an integral component of the project, with the project unable to be economically viable with the development of these storages and associated irrigation areas.

Subsection 8 (b)

- Sudholz Pty Ltd completed all plans for the proposed development by July 2000. These plans are for the entire property, as all storages, channels and irrigation areas are designed to be managed as an entirety.
- These plans are included. It must be noted that the plans contains reservoirs that are to be built to a higher level than 5 meters. I had received advice that the Water Bill 200 would contain provision for the raising of referable storages to 8 metres. As the construction of the reservoir was not to take place until the expected passing of the new Bill, the reservoir was designed to approximately 6.5 meters above natural surface. This is noted on the set out sheets provided.
- A plan showing the full extent of works is also included. It must be noted that this plan was drawn very early in the development. This highlights the fact that the intent was to complete the full development on the property as indicated by the plan.

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Subsection 8 (c)

- An independently construction programmed is provided by Sudholz. As the job was an hourly hire no formal construction programme was entered into. Therefore the construction programme is provided by another engineer at Sudholz based upon the information provided.

Subsection 8 (d)

- A levee permit was issued for the development prior to my purchase of the property. This permit is included in Appendix One.
- No other permits are required.
- All licenses required for the installation of pumps have been granted and are current.

Subsection 8 (e)

- Integrated Planning Act has not yet been invoked in the Waggamba Shire.

Based upon information presented here and advice that I have received, I firmly believe that I fully meet all the criteria necessary to meet the "start" requirements.

Should you require further information do not hesitate to contact me as soon as possible. I look forward to learning of the result of this application so that development work at "Neilo" continues.

Yours faithfully

sch4p4(6) Personal information

8/12/2000.

Dave Coulton

RTI DL RELEASE - DNRM

Consulting Engineers
Irrigation Design & Construction
Civil Construction & Earthmoving

SUDHOLZ GOONDIWINDI

SUDHOLZ PTY LTD
ACN 009 989 968
ABN 25 215 374 671
34 Lagoon Street PO Box 883
Goondiwindi 4390
Ph 07 4671 1044 Fax 07 4671 2022

Department of Natural Resources,
P.O Box 318,
Toowoomba, Q, 4350

Dear Sir,

Certification
Independently Verified Construction Program
"Neilo Development"
Total Irrigation Scheme

The continuation of the "Neilo" comprises of the works as depicted by Sudholz Pty Ltd drawings 19249-42-A, 19249-41-B, and 19249-43-A. Various other drawings pertaining to works completed are also available.

I hereby verify that the construction program in existence and agreements between Sudholz Pty Ltd and Mr. Coulton allows for the progressive construction to completion of the total system being Reservoirs block 1, 2 & 3, associated irrigation areas, channels and levees. The entire system needs to be completed to effectively water harvest, irrigate, collect and recycle runoff waters from the property as designed.

Block 3 reservoir is complete as are the associated irrigation areas. Clearing has been completed on all blocks. Construction has commenced on linking channels between all blocks. Levee banks for blocks 1 & 2 are currently under construction and will be completed in the near future.

Once the channels are completed, construction of reservoir block 1 will commence. Block 2 reservoir will be commenced immediately after the completion of reservoir block 1.

All storages and reservoirs have been designed to be constructed in this sequence and when complete are to be operated in unison as part of a Water Management Scheme for the sustainable ongoing operation and viability of the property "Neilo".

The construction detailed in the submission will commence as soon as practicable after the day that DNR gives notification that work can be completed under the Moratorium. Delays in commencement because of wet weather and contractor unavailability will cause some delays in movement of machinery.

The time frame outlined above reflects our client's commitment to the completion of the project using a combination of contractor's equipment and labour and on farm labour resources.

sch4p4(6) Personal information

7/12/00

Sean Edwards
Senior Engineer, Sudholz Pty Ltd *RPEQ 699704*

RTI DL RELEASE - DNRM

Oaths Act 1867

Statutory Declaration

QUEENSLAND
TO WIT

I, David Coulton

of Goondiwindi , in the State of Queensland

do solemnly and sincerely declare

that, all the information contained in this report pertains to my property "Neilo" and is true and correct.

RTI DL RELEASE - DNRM

And I make this solemn declaration conscientiously believing the same to be true, and by virtue of the provisions of the Oaths Act 1867.

Taken and Declared before me, at GOONDIWINDI, this 8TH day of DECEMBER 2000

sch4p4(6) Personal information

sch4p4(6) Personal information

J.P

A Justice of the Peace/~~Commissioner for Declarations~~.

Printed by R. G. Giles, Government Printer.

Oaths Act 1867

Statutory Declaration

QUEENSLAND
TO WIT

I, David Coulton

of Goondiwindi , in the State of Queensland

do solemnly and sincerely declare

that, I verbally contracted Sudholz Pty Ltd on an hourly basis for the design and construction of the entire development at my property "Neilo". Rates were to be based upon the current schedule of rates supplied by Sudholz Pty Ltd.

RTI DL RELEASE - DNRM

And I make this solemn declaration conscientiously believing the same to be true, and by virtue of the provisions of the Oaths Act 1867.

Taken and Declared before me, at GOONDIWINDI

this 8TH day of DECEMBER 2009

sch4p4(6) Personal information

sch4p4(6) Personal information

JP

A Justice of the Peace/~~Commissioner for Declarations~~.

Printed by R. G. Giles, Government Printer.

Oaths Act 1867

Statutory Declaration

QUEENSLAND
TO WIT

I, Dick Sudholz

of Goondiwindi , in the State of Queensland

do solemnly and sincerely declare

that, Sudholz Pty Ltd agreed to undertake design and construction work for Mr D. Coulton at his property "Neilo". Rates were to be based upon the current schedule of rates.

sch4p4(6) Personal information

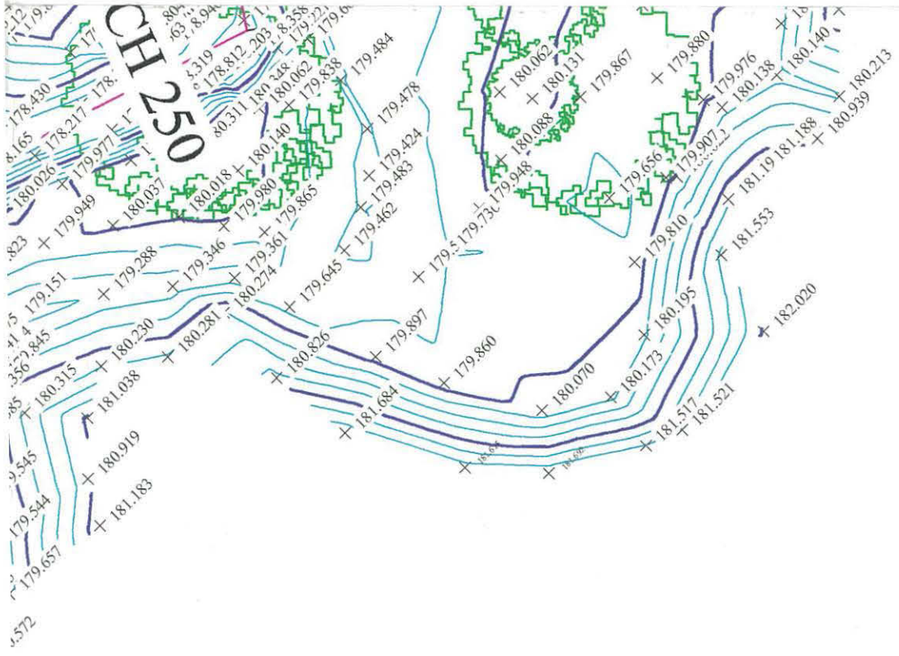
And I make this solemn declaration conscientiously believing the same to be true, and by virtue of the provisions of the Oaths Act 1867.

Taken and Declared before me, at GOONDIWINDI
this 9th day of DECEMBER 2000

sch4p4(6) Personal information

A Justice of the Peace/Commissioner for Declarations.

Printed by R. G. Giles, Government Printer.



Scale Bar

Metres

0 10 20 30 40 50 100 150

RTI DL RELEASE - DNRM

OMONGA CREEK MPROVEMENTS

Sheet Size: A0			**Drawing No.**
Designed: WPD	Date: 21.07.00		19249 - 01 - A
Design Check: sch4p4(6) Personal information	Date: 24/7/00		
Drawn: WPD	Date: 21.07.00		**Status.**
Drawing Check: sch4p4(6) Personal information	Date: 24/7/00		APPROVAL
Datum: AMG/AHD	Contour Int.: MJR 1.00 MNR 0.25	Approved:	Date:

APPENDIX 1 (1)

Shire Council
WAGGAMBA

WAGGAMBA SHIRE COUNCIL
We Serve the Community

82 Marshall Street (PO Box 212)
Goondiwindi Qld 4390

Ph: 07 4671 1211
Fax: 07 4671 2763

450/099/018 rm

24 December, 1999

sch4p4(6) Personal information

Dear Sir/Madam

RE: LEVEE BANK APPLICATION LOT 1 ON CVN160
99/18

I refer to your application received in this office on 24 September 1999 for a permit pursuant to the provisions of Chapter 13 Part 5 of the Local Government Act 1993 as amended for the licensing of works described as:

- construction of 40,150 metres of levee bank

The application was advertised on 6 October 1999 and 13 October 1999 and landholders in the immediate vicinity and affected government departments were advised and one objection was received.

Waggamba Shire Council at its meeting of 17 December 1999 resolved to approve the application subject to the following conditions:

1. The banks be built in accordance with the AMG Coordinates and the plan below.
2. Any drains that need to be built, the top of the channel bank shall be at ground level at all times both during construction and maintenance.
3. Approvals required under any other Act shall be obtained prior to commencement of work.
4. The maximum height of the levee banks shall be 2.5 metres averaged over the length of the bank.
5. A construction period of three years be approved.
6. The permit be issued for a period of ten years.

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(2)

Block 1

Easting	*Northing*
754766	6844360
754826	6844220
753455	6842370
753550	6844360
753708	6844490

Block 2

Easting	*Northing*
757253	6839901 **Amended Point
757198	6839850
753489	6839380
753344	6839510
753387	6840710
754935	6842620
756592	6842380
757567	6842200
,757609	6842143 **Amended Point

Block 3

Easting	*Northing*
753262	6837180
753311	6838570
753442	6838770
755447	6839020
755591	6838890
755543	6837530
755389	6837370
753395	6837110

Block 4

Easting	*Northing*
756502	6835164 **Amended Point
756471	6835140
755251	6835241
754572	6835880
754648	6836260
755679	6836390
756485	6837030
756753	6837070
756826	6836990 **Amended Point

Block 4

Easting	*Northing*
756502	6835164 **Amended Point
756471	6835140
755251	6835241
754572	6835880
754648	6836260
755679	6836390
756485	6837030
756753	6837070
756826	6836990 **Amended Point

RTI FOR RELEASE - DNRM

(3)

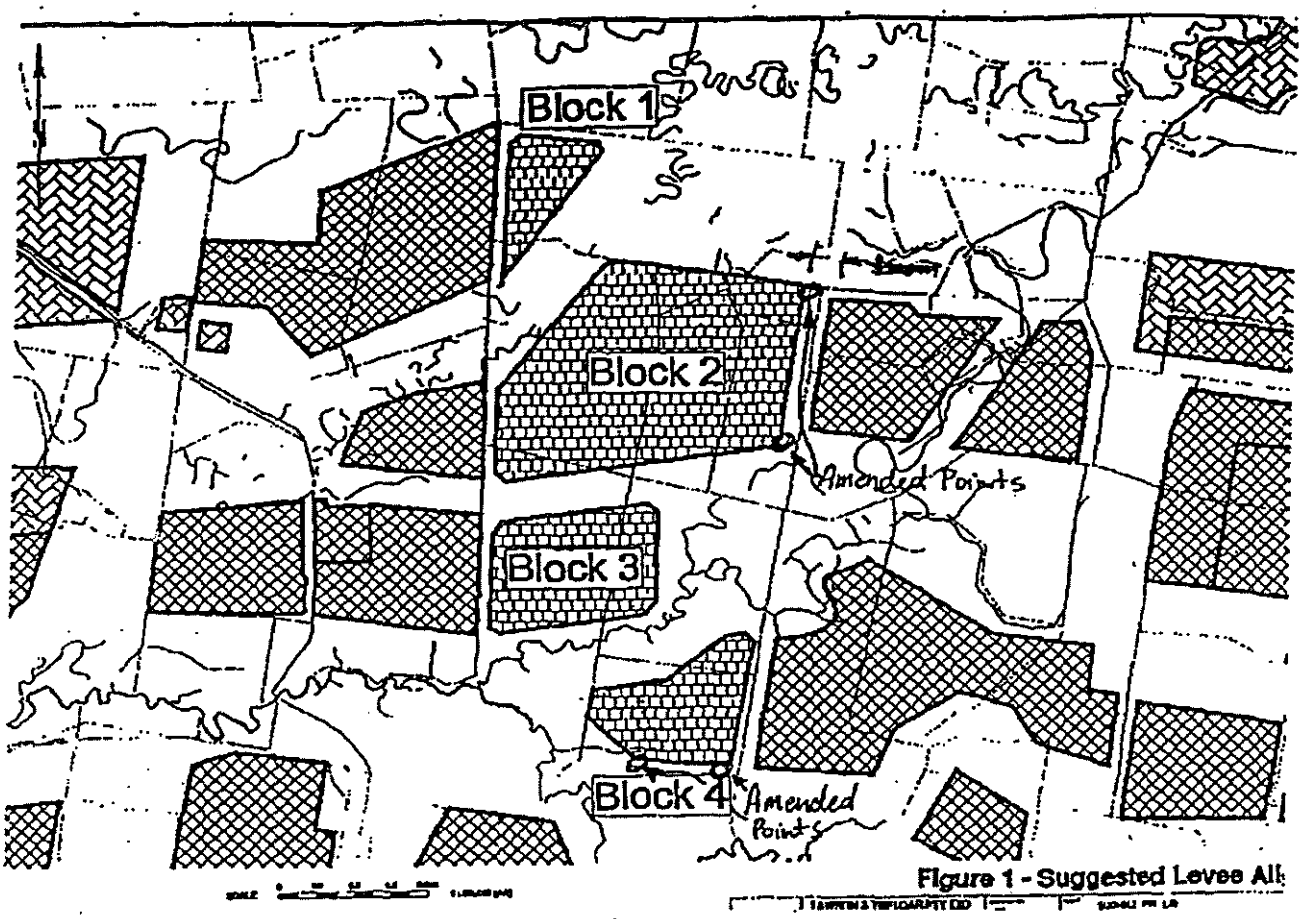


Figure 1 - Suggested Levee Alig

This approval is subject to Council confirmation and any appeal which may be lodged within a period of 30 days. I append hereto a copy of Chapter 13 Part 5 of the Local Government Act 1993 as amended which sets out the rights of appeal and an extract of the report to Council on the application.

Yours faithfully

sch4p4(6) Personal information

NA McCrindle
CHIEF EXECUTIVE OFFICER

H:\Word Processing\Meetings\Meeting correspondence\17 December 1999\levee bank approval - 99-18.doc

Application 99/18

Application by JW Corlis for a permit under Chapter 13 Part 5 of the Local Government Act 1993 for construction of 40,150 metres of levee banks on Lot 1 on CVN160 Parish of Taraba, County of Carnarvon.

The application was advertised on 6 October, 1999 and 13 October, 1999 and landholders in the immediate vicinity and government departments were advised.

One objection was received, details of which are listed below

Objector	*Grounds*
AJ Norman Brooklyn	• The banks will not let flood waters through and will cause large rises on Kalanga

Comments on the Objection

In the original submission the objection is quite valid, however, during the modelling process many cutbacks were made and a floodway opened through the middle of development block 2 which has led to the proposal as shown on the plan below.

Other Comments

The plans sent out with the Report showed large rises in four areas. After discussions with the consultants these rises could be reduced so that they really only affected Neilo by modification to the four blocks and removal of others. There still remains one rise on the Neilo/Boongargil boundary which is greater than 200mm however in the past because these rises are between irrigators with levee banks we have relaxed this requirement. The plan below shows four irrigation blocks where all blocks except the eastern edge of block 2 are 250 metres from the boundary.

Recommendation

The application be approved subject to the following:

1. The banks be built in accordance with the AMG Coordinates and the plan below.
2. Any drains that need to be built, the top of the channel bank shall be at ground level at all times both during construction and maintenance.
3. Approvals required under any other Act shall be obtained prior to commencement of work.
4. The maximum height of the levee banks shall be 2.5 metres averaged over the length of the bank.
5. A construction period of three years be approved.
6. The permit be issued for a period of ten years.

NOTE: A plan may be able to be faxed out prior to the meeting.

Block 1

Easting	*Northing*
754766	6844360
754826	6844220
753455	6842370
753550	6844360
753708	6844490

Block 2

Easting	*Northing*
757253	6839901 **Amended Point
757198	6839850
753489	6839380
753344	6839510
753387	6840710
754935	6842620
756592	6842380
757567	6842200
757609	6842143 **Amended Point

RTI DL RELEASE - DNRM

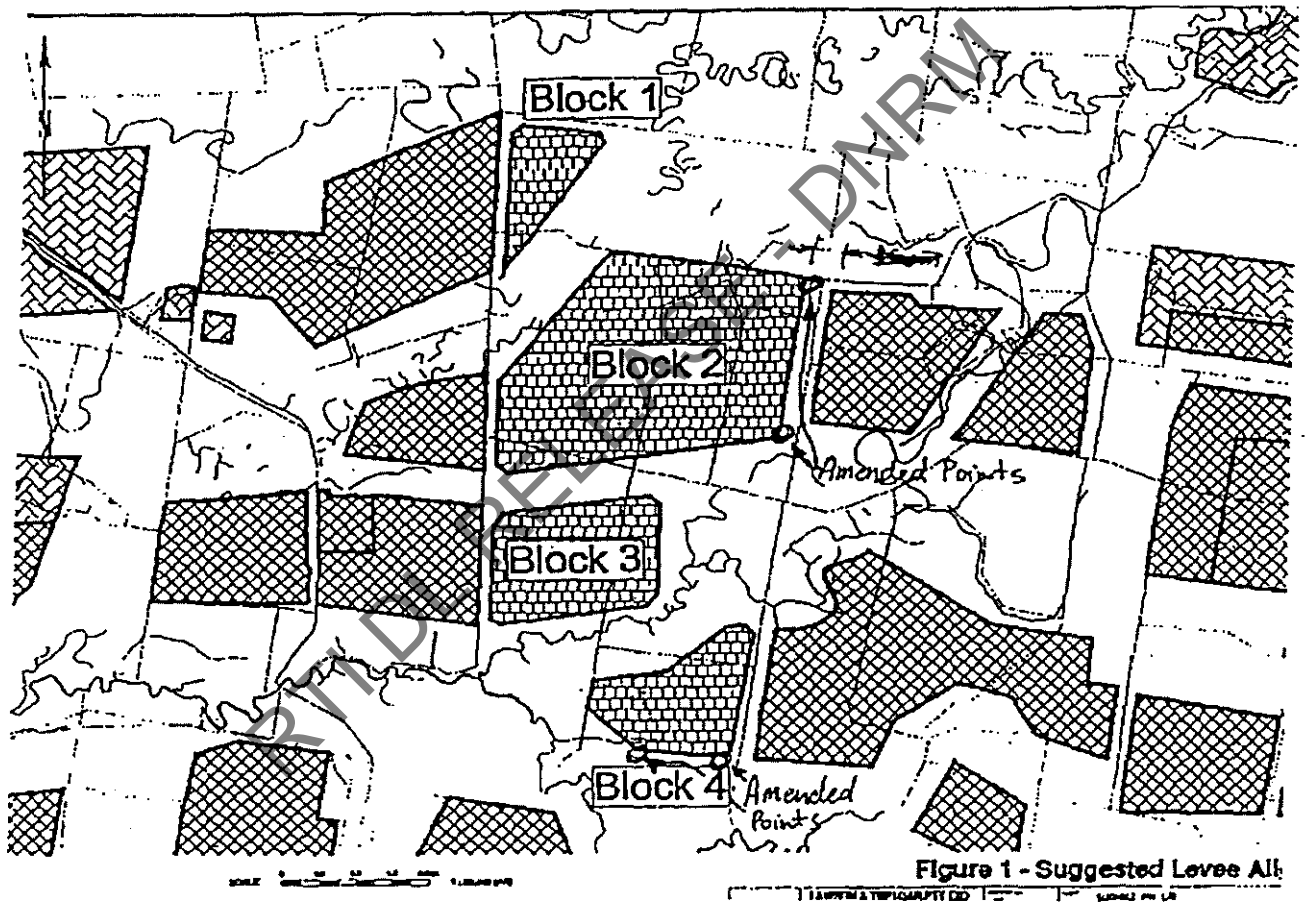
(5)

Block 3

Easting	*Northing*
753262	6837180
753311	6838570
753442	6838770
755447	6839020
755591	6838890
755543	6837530
755389	6837370
753395	6837110

Block 4

Easting	*Northing*
756502	6835164 **Amended Point
756471	6835140
755251	6835241
754572	6835880
754648	6836260
755679	6836390
756485	6837030
756753	6837070
756826	6836990 **Amended Point



RTI DISCLOSED - DNRM

Figure 1 - Suggested Levee Alt

GR Callaghan
SHIRE ENGINEER

13 December 1999

PART 5—LOCAL GOVERNMENT CONTROL OVER LEVEE BANKS

Division 1—Jurisdiction of Local Governments

Limited exclusion of jurisdiction of local government

533. The jurisdiction of a local government under this Part to prohibit or regulate the construction and maintenance of levee banks does not extend to a part of its area included in an approved plan within the meaning of the *Soil Conservation Act 1986*.

Division 2—Control of levee banks

Regulation of levee banks etc.

534.(1) A local government may, by a local law—

(a) prohibit construction of levee banks without the local government's permission; and

(b) regulate the construction and maintenance of levee banks; and

(c) require changes to levee banks constructed before or after the commencement of this Part, although their construction may have complied with the requirements and approval of the local government.

(2) A local law prohibiting construction of levee banks without the local government's permission must provide for—

(a) particulars to be supplied by an applicant for the local government's permission; and

(b) public notice of applications for the local government's permission to be given by advertisement at least twice in a newspaper circulating generally in the local government's area; and

(c) submissions supporting or objecting to applications and the requirements applying to the submissions; and

(d) procedures of the local government in considering and deciding applications; and

(e) all other issues the local government considers necessary for properly disposing of applications.

Decision on application for permission

535.(1) If a local government decides to give permission for a levee bank construction, it may decide the permission is subject to conditions.

(2) The decision on an application must—

(a) be given to the applicant by written notice; and

(b) be given to each person who made a submission on the application; and

(c) if the decision is to give permission, but the permission is to be subject to conditions—specify the conditions.

Issue of permit

536.(1) A permission has effect only if a permit is issued setting out the terms of the permission.

(2) A permit must not be issued before the end of 30 days after notice of the decision is given under section 535(2) (Decision on application for permission).

(3) However, if an appeal is started within the 30 days mentioned in subsection (2), a permit may be issued only if—

(a) the decision on appeal confirms the giving of permission, with or without conditions, or changed conditions, applying to the permission; or

(b) the appeal is struck out or is discontinued.

(4) An issued permit is subject only to the conditions stated in the permit.

Application for permission for existing levee banks

537.(1) If, when a local law mentioned in section 534 (Regulation of

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levee banks etc.) commences, there is on land to which the local law applies a levee bank that, in the local government's opinion, affects or is likely to affect natural drainage to an extent that it causes or may cause damage to land or a public work, service or undertaking, the local government may, by written notice, require the owner of the land to apply to it within a specified reasonable period for permission to keep the levee bank or part of the levee bank.

(2) This Part applies to an application made in response to a requirement under subsection (1) as if the application were an application for permission to construct the levee bank or part concerned.

(3) A person must not keep on the person's land, or allow another person to keep on the person's land, a levee bank or part of a levee bank to which a requirement under subsection (1) applies—

(a) after the end of the period allowed by the request for applying for the local government's permission to keep the levee bank or part of the levee bank, if the application has not been properly made; or

(b) after the local government's permission has been refused; or

(c) in breach of the conditions stated in a permit issued by the local government.

Maximum penalty—50 penalty units.

(4) If a person convicted of an offence against subsection (3) continues to commit the offence, the person commits a continuing offence.

Maximum penalty—1 penalty unit for each day on which the offence is continued.

Division 3—Appeals

Appeal against local government's decision

538.(1) An appeal tribunal for hearing and deciding appeals against decisions of a local government on an application is formed by the chief executive of the department within which the *Water Resources Act 1989* is administered or that chief executive's delegate.

(2) A person aggrieved by a decision of a local government on an application may appeal to an appeal tribunal.

(3) The appeal must be started within 30 days after the person aggrieved is given written notice of the decision.

(4) The appeal is started by the person filing a notice of appeal with the chief executive mentioned in subsection (1) and giving a copy of the notice to the local government.

(5) As soon as practicable after the appeal is started, the chief executive officer of the local government must inform the chief executive mentioned in subsection (1) of the persons, other than the appellant, who made the application and who made submissions on the application.

(6) The person who is to form the appeal tribunal on the appeal must inform the appellant, the local government, and the persons mentioned in subsection (5) of the day, time and place for hearing of the appeal.

Decision on appeal

539.(1) An appeal tribunal may—

(a) dismiss an appeal and confirm the decision of the local government; or

(b) allow the appeal, set aside the decision of the local government and substitute the decision it considers should have been made on the application.

(2) The decision of an appeal tribunal is taken to be the decision of the local government on the application.

(3) Section 536 (Issue of permit) does not apply to the issue of a permit on the decision of an appeal tribunal.

Duties of appeal tribunal

540. In hearing an appeal, the appeal tribunal—

(a) must observe natural justice; and

(b) must act as quickly as possible, and with as little formality and

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technicality, as is consistent with a fair and proper consideration of the issues.

Appeal tribunal may decide procedures

541.(1) An appeal is by way of rehearing.

(2) The appeal tribunal—

(a) is not bound by the rules of evidence; and

(b) may inform itself in any way it considers appropriate; and

(c) may decide the procedures to be followed in the appeal.

(3) However, the appeal tribunal must comply with this Division and any procedural rules prescribed by regulation.

Appeal tribunal's powers

542.(1) In hearing an appeal, the appeal tribunal may—

(a) act in the absence of a person who has been given reasonable notice; and

(b) receive evidence on oath or by statutory declaration; and

(c) adjourn the appeal; and

(d) permit a document to be amended; and

(e) disregard any defect, error, omission or insufficiency in a document.

(2) The appeal tribunal may administer an oath to a person appearing as a witness before the tribunal.

Representation before appeal tribunal

543. A party to an appeal may be represented by counsel, a solicitor or an agent appointed in writing.

Prosecution of appeal

544.(1) An appeal must be prosecuted diligently.

(2) An appeal tribunal may strike out an appeal if it considers the appellant is not prosecuting the appeal diligently.

(3) An appeal may be discontinued by the appellant by written notice given to the appeal tribunal and to the respondent.

Notice to witness

545.(1) The person forming the appeal tribunal may, by written notice given to a person, require the person to attend an appeal at a specified time and place to give evidence or produce specified documents.

(2) A person who is given a notice must—

(a) attend as required by the notice; and

(b) continue to attend as required by the appeal tribunal until excused from further attendance.

Maximum penalty—35 penalty units.

(3) A person required to appear as a witness before an appeal is entitled to the witness fees prescribed by regulation or, if no witness fees are prescribed, the reasonable witness fees decided by the appeal tribunal.

Duty of witness at appeal

546.(1) A person appearing as a witness at an appeal must not—

(a) fail to take an oath or make an affirmation when required by the appeal tribunal; or

(b) fail, without reasonable excuse, to answer a question the person is required to answer by the appeal tribunal; or

(c) fail, without reasonable excuse, to produce a document that the person is required to produce by a notice under section 545(1) (Notice to witness).

Maximum penalty—35 penalty units.

(2) It is a reasonable excuse for a person to fail to answer a question or

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produce a document if answering the question or producing the document might tend to incriminate the person.

Contempt of appeal tribunal

547. A person must not—

(a) insult the person forming the appeal tribunal in an appeal; or

(b) deliberately interrupt an appeal; or

(c) create or continue, or join in creating or continuing, a disturbance in or near a place where the appeal tribunal is conducting an appeal; or

(d) do anything that would be a contempt of court if the person forming the appeal tribunal were a Judge acting judicially.

Maximum penalty—50 penalty units.

Change of person forming appeal tribunal

548. An appeal is not affected by a change in the person forming the appeal tribunal.

Costs of appeal

549.(1) An appeal tribunal may make an order for payment of costs of an appeal as it considers just.

(2) Unless an appeal tribunal's order states otherwise, costs of proceedings on an appeal are on the scale applying to taxation of costs in the District Court.

Recovery on orders of appeal tribunal

550.(1) An order of an appeal tribunal for payment of costs must be in written form and a copy of the order must be given to—

(a) the appellant or other person to whom an amount is ordered to be paid; and

(b) the local government or other person by whom an amount is ordered to be paid.

(2) A document purporting to be a copy of an order of an appeal tribunal for payment of a stated amount of costs may be filed in the registry of a court having jurisdiction in an action for debt in the amount stated in the order, and enforced as an order of the court.

(3) If an order of an appeal tribunal for payment of costs does not state the amount to be paid, the costs payable may be recovered by action in a court of competent jurisdiction as a debt payable by the person by whom the costs are ordered to be paid to the person to whose benefit the order was made.

Division 4—Effect of Part

Effect of Part on legal rights and remedies

551. A permission given on an application under this Part does not affect a right or remedy a person had about a levee bank the subject of the permission.

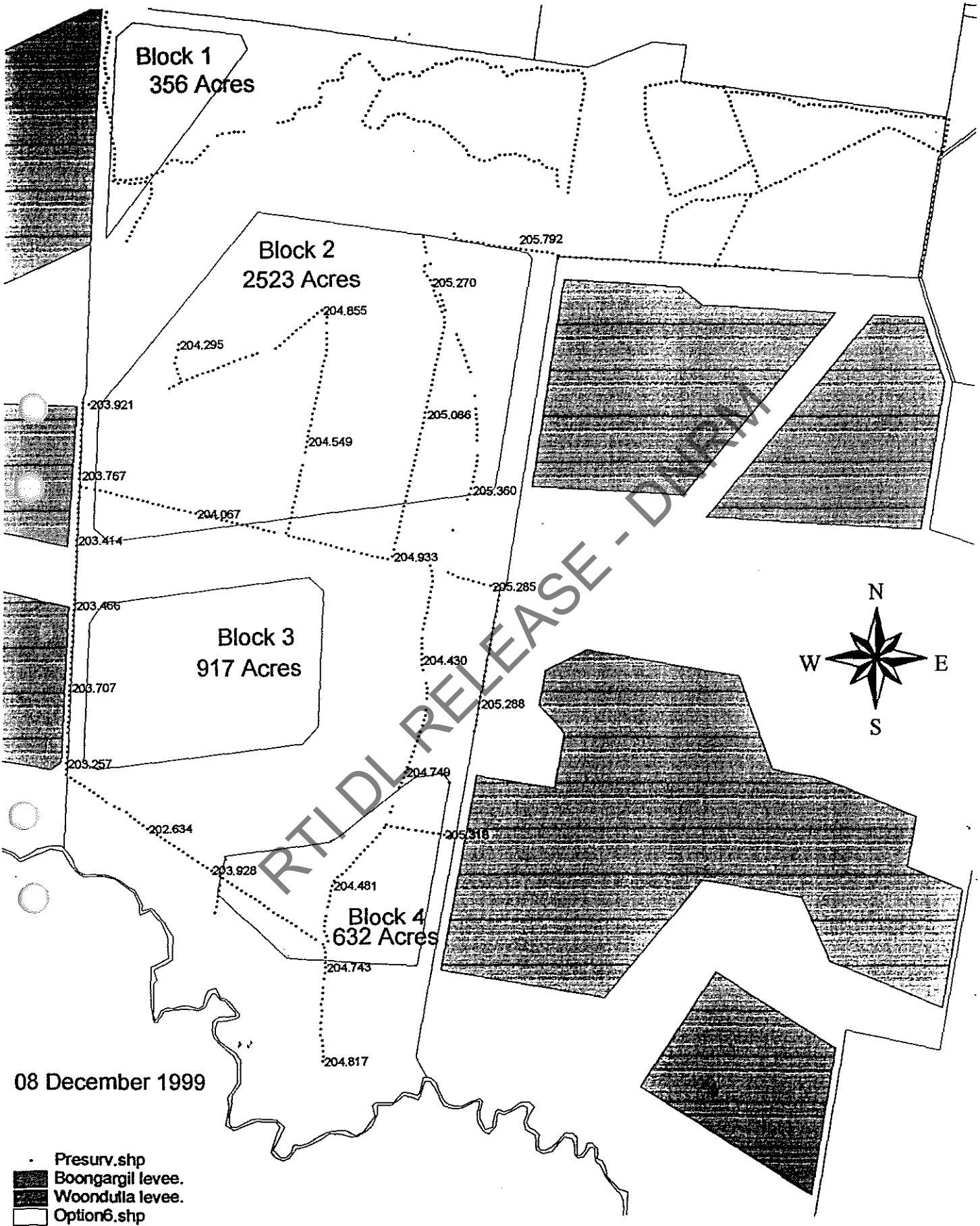
Division 5—Expiry of Part

Expiry of Part

552. This Part expires 1 year after it commences.

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Position of Levee Banks - Neilo



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Pon Nº	Farm Nº	Selector	D and D passed on	Remarks
1	~~Grt.~~ 3396 Gil.R.L.	Henry Whitfield		Amd 25 & 49 L.52, 333. L.72. 104.

0219 21 [illegible]47 L.S.M. [illegible]NSLAND

Traverses and Secants

Line	Bearing	Dist.

Reference to Corners

Cor	Bearing	From	Links	Marks

Parish of Yarrilwanna

13 Cvn. 284

~~4v~~ 12 ~~Cvn. 199~~ Cvn. 268

2v 21009·9

CR3A. 49

2857·2

5142·8 RFP.

268°48′ 4645·

268°59′ 4446·7

268°58′ 8720·5

268°50′ 7867·

269°4′ 8000·

268°52′ 8000·

Netting Fence 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

Booberanna Ck.

ringbarked Coolibah Belar Sandalwood forest

Mostly 12 months water in creek grassed black soil

Booberanna Well Hut

Telephone Line

Refuge Tank (dead)

Cul. 44·3′ 215·9 cal. 6088·3 cal.

150 WIDE 0·14 Kgll·6

ROAD

4 Cvn. 161

Parish of Boorangga

Cvn. 76 Cvn. 388

173°32′ 10000·

172°26′ 9101·

181°49′ 221·4

172°45′ 22320 PT. 22330 Riv.

Datum 552·45′ Line of Orgs.

359°12′ 8820·

359°24′ 7507·

0°18′ 7358·

0°22′ 16000·

83°55′ 17666·7

Track

Nella Tank (Dead) 95 291·35

7 Riv.

Cvn. 144 2

~~11770·0·0~~ 11823·3·0

Mostly useful WHs ringbarked Momonga

Momonga Ck.

Coolibah Black Soil Gum Belar forest

Macintyre River

NEW SOUTH WALES

329°22′ 1140·6 PT. 1170 Riv.

REPO Floods 329°22′ 22·0A 4 CRT.

10-y	77°54	877·8	
-5	44°26′	882·9	
-A	91°40′	711·4	
-8	6°22′	464·3	
-22	90°54′	507·3	
3·3a	292°3′	101·8	
4·4a	75°39′	154·8	

Iron Pins

From 3	44°3′	5·
" 4a	255°39	5·2
" 11	268°58	5·
" 14	268°48	5·
" 19	173°32	5·
" 21	352°45	5·

	3	274·10	Coolib.	284·8 AQ4
	"2	Post		AR1
og.	4	242·58	"	71·1 A2R
	"2	86·35	"	85·5 AR
	10	179·40	Belar	14·1 AQ4
	11	22·30′	Box	47·9 A1V1
	13	172·35	Belar	13·5 A
	14	124·	Coolib	30·5 A1RES
	15	852·52	"	84·5 A1
og.	"	120·	"	81·
	"16	123·	"dead	65 A2V
	17	8·10′	Belar	33·8 A
	18	31·	Boonery	35·5 A
	19	277·20	Coolib.	119·4 A1
	"	og Stump at corner		AT LDNRA AW. LOW
og.	21	286·	Gum	24·5
	"	245·7	Gum	27·2 A1
og	22	104·7	Coolib	96·3 A1
	T1	204·35′	Belar	37·7 AT1
	T2	349·10′	"	114·8 AT2
	T3	115·80′	Kroppa	38·7 AT3
	T4	330·30	Belar	33·9 AT4
	T5	910·10′	"	91·5 AT5
	T6	100·5′	Gum	15·2 AT6
	T7	173·15′	Coolib.	38· AT7
	T8	85·35	Gum	9·9 AT8
	T9	21·60	"	7·6 AT9
	T10	330·20	Coolib.	58·8 AT10
og.	22	173·18	"	40·6 A2

REFERENCE TO TRAV. ETC.		
21·a	78°21′	326·
a·b	154°25	883·8
-T1	99°55′	1058·7
-c	90°14′	1188·9
-d	120°36′	572·
-e	130°15	1489·
-T2	62°54′	299·7
-f	127°31′	1117·
-g	146°18′	1526·9
-T3	211°55	1159·6
T3-g	254·	880·
T3-h	148°58	795·
-j	234°1′	1185·
-T4	140°53′	855·6
-k	58°50	1766·
-L	135·	650·
k-T5	46°30	1177·7
-l	131°45	2257·9
-T6	287°48	1582·6
-m	125°14′	1494·8
-n	144°10′	1081·
-o	180°32′	947·6
-p	228°32′	678·7
-T7	152°58	1584·5
-q	40°29′	786·6
-r	80°4′	1428·
-s	151°20′	779·6
-T8	216°56′	988·7
-t	120°22′	910·
-u	28°26′	782·5
-v	72°21′	1201·
-T9	46°47	884·6
-w	82°35′	1175·
-x	45°41′	765·4
-T10	336°23	948·2

Features, improvements &c shown in brown are from Design Cvn. 111 & notings with 47.218 L.S.M.

Adjustments

Por	Reference	Previous Area	Date
1	~~Grant~~ in Fm 4919	~~11770·0·0~~	~~Cancd.~~ 5.2.1945

For Additional Plan & Document Notings Refer to CISP

Design Cvn. 111 noted.

I hereby certify that I, in person, made, under the 11·11·1946 completed the survey represented by this plan, on which are written the bearings and lengths of the lines surveyed by me, and that the survey has been executed in accordance with the existing regulations of the Surveyor General's Department.

sch4p4(6) Personal information

Surveyor

2m. 12

To Lands 18·2·47

Meridian Observations

Station	Station	Date	Lat.	Long.	Variation Observed	Variation C.A.M.
Darling Downs 2290	W	11·11·46	28°25′50″	10 hours	8°8′26″	8°7′30″

Add 1′ for C.A.M.

18·2·47

46.2065 P.L. Run 325 Wellhown

Date of Instructions 30·7·46

Date of transmission of plans &c. 21·1·47

Examined by EJR 5·2·47 Calc. Book Nº 1113

Voucher Nº 219. Passed for payment Adl. 22·1·47 Bal. 21·7·47

Charted by EJR 10·2·47

Sales Register Vol. Fol.

Scale 40 Chains to an Inch.

PLAN OF

PORTION Nº 1

PARISH OF TARABA

County of CARNARVON

Land Agent's District of GOONDIWINDI

Cat. Nº Cvn. 160

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NEILO
6/3/00.

144ha.
BLOCK4

LIFT PUMP x 2
TAIL WATER & SUPPLY

RESERVOIR.
4000 ML.

NEILO HOUSE

LEVEE RAMP
HOUSE ACCESS.

ACCESS ROAD.

GATE.

LEVEE RAMP
FARM ACCESS.

126ha. 166ha. 166ha. 166ha. 166ha.

BLOCK 3.

RIVER CHANNEL.

RESERVOIR
2000 ML.

123ha. 169ha.

BLOCK 2.

LIFT PUMP
TAIL WATER & SUPPLY

RIVER CHANNEL.

PUMP
ALLOCATION
WATER

MOMONGA CREEK.

POWER LINE.

MACINTYRE

RESERVOIR.
4000 ML.

125 ha.

BLOCK 1.

Channel

WORK IN PROGRESS

Channel & Levee

RIVER.

Clearing Boundary
Completed

Levees & Channels
Completed

Cutter bar. Complete

Development. Complete.

Pump Station
Complete

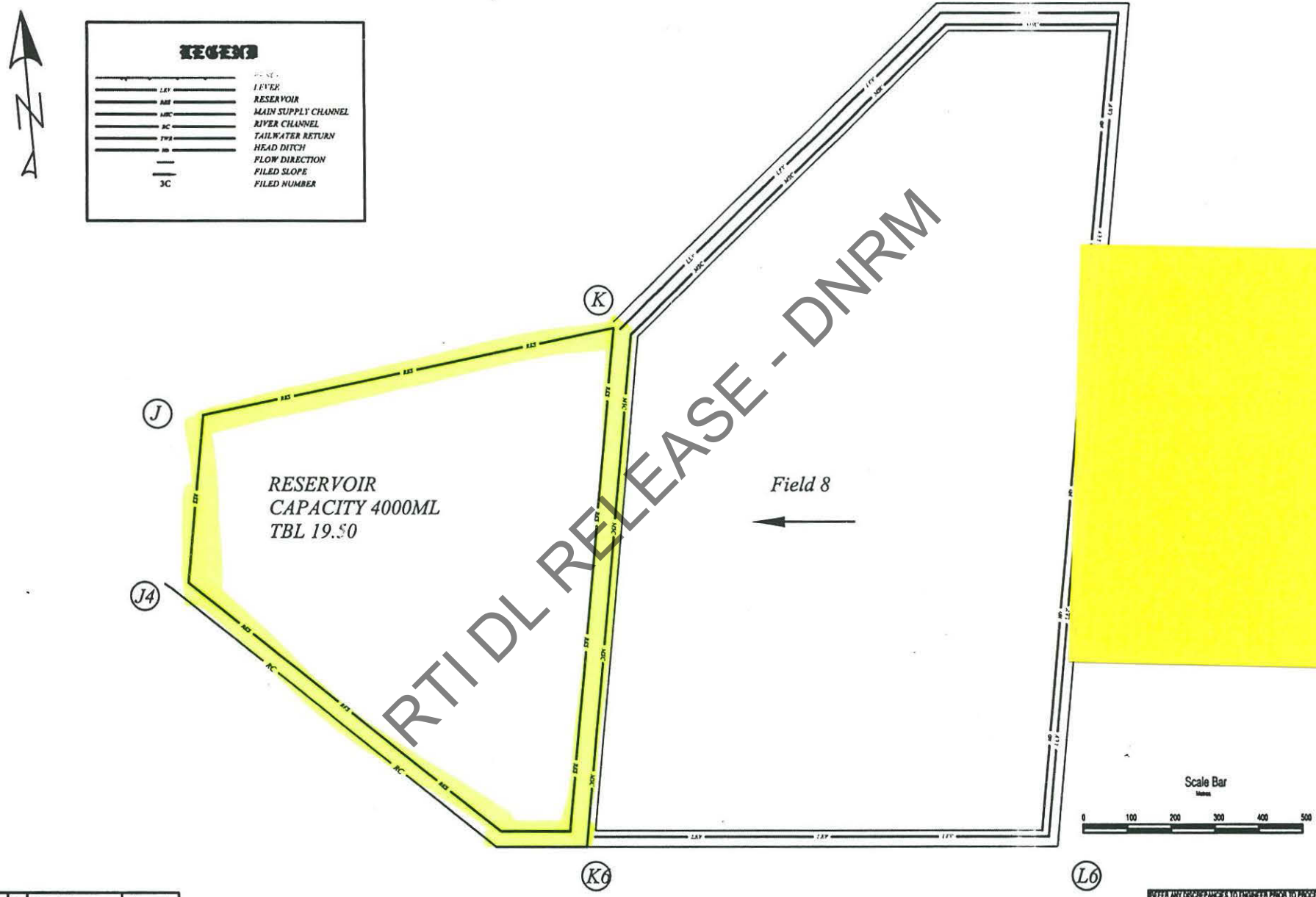
Pump Station
Designed & Ordered

0 500

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APPENDIX TWO - BLOCK 1 RESERVOIR.



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BLOCK 1

MES BKUR.

Revision	Date	By	Description	Approved

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SUDHOLZ
EARTHWORKS & CONSTRUCTION
GOONDIWINDI

CONSULTING ENGINEERS
IRRIGATION DESIGN & CONSTRUCTION
CIVIL CONSTRUCTION & EARTHMOVING

CLIENT: DB & KA COULTON

PROJECT: "NEILO" IRRIGATION DEVELOPMENT

TITLE: BLOCK 1 LAYOUT

Datum: AMG/AHD +170m | Contour Int.: MJR _MNR_

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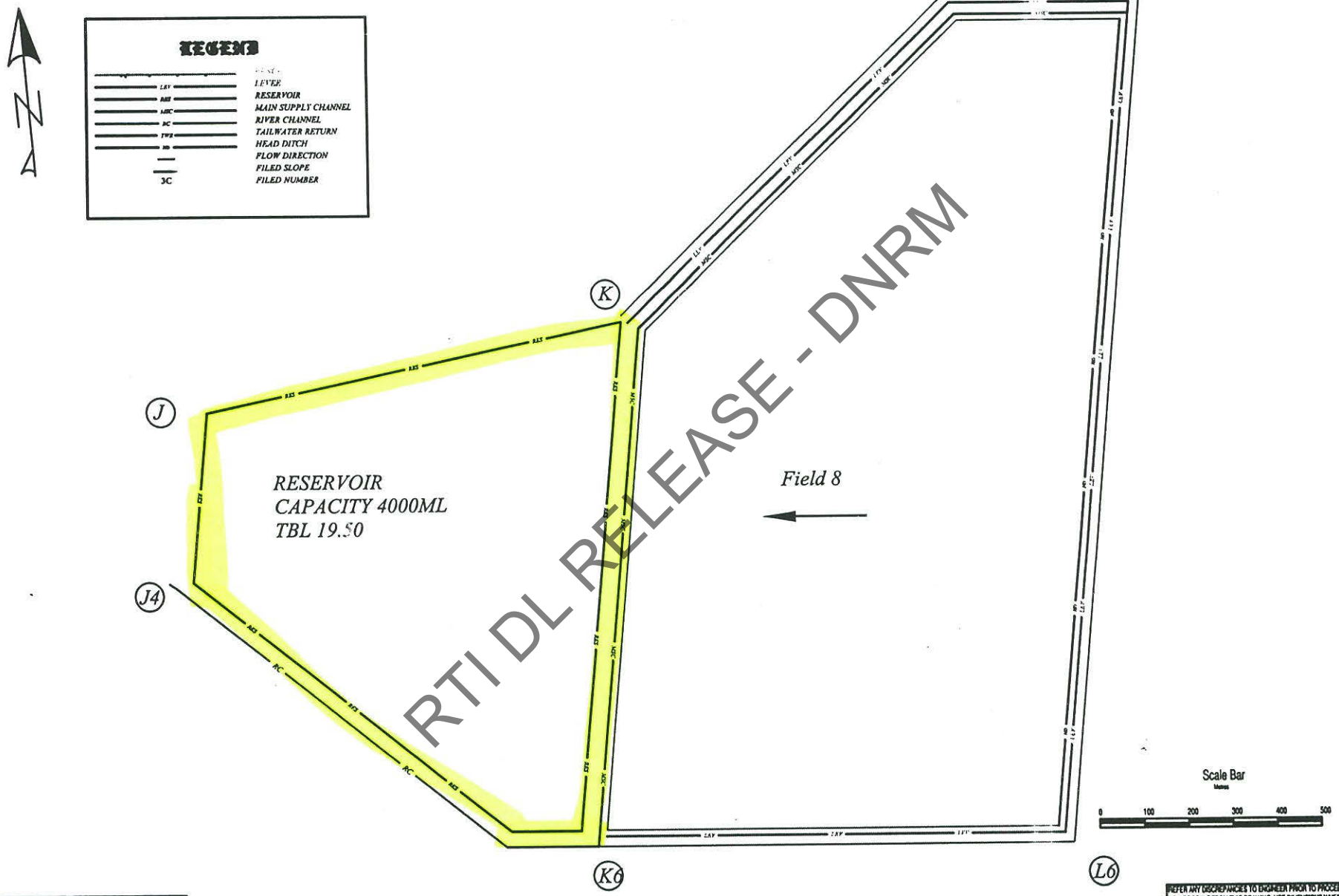
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Sch4p4(6) Personal Information

APPENDIX TWO - BLOCK 1 RESERVOIR.

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IRRIGATION DESIGN & CONSTRUCTION
CIVIL CONSTRUCTION & EARTHMOVING

CLIENT: *DB & KA COULTON*

PROJECT: *"NEILO" IRRIGATION DEVELOPMENT*

TITLE: *BLOCK 1 LAYOUT*

Datum: AMG/AHD +170m | Contour Int.: MJR _MNR _

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Status. APPROVAL

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125 of 247

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IRRIGATION DESIGN

Client: Neilo
Field: Res K6-J4-J-K-K6
Design: 1
Date: 14/3/100

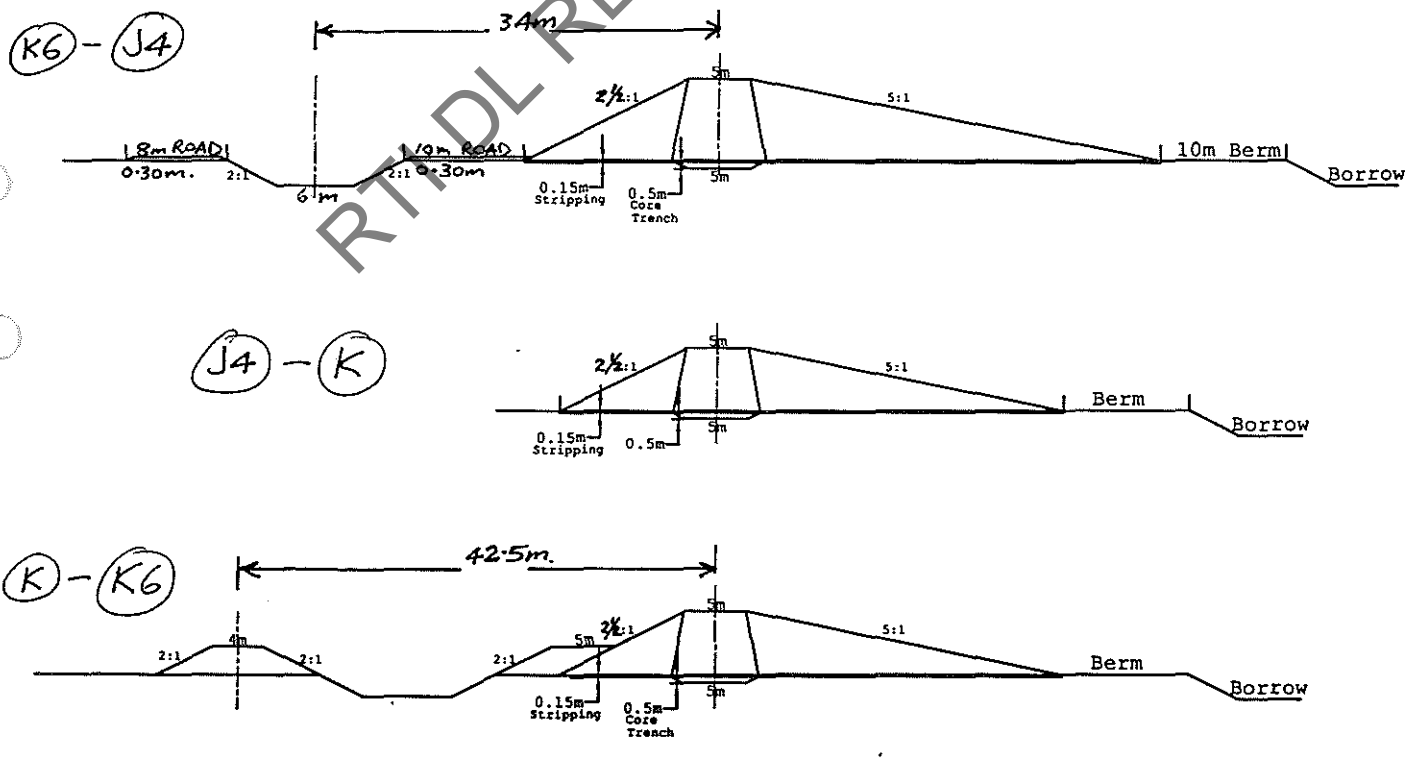
NEILRESO.DDN. * * SUMMARY OF INFORMATION * *

TYPE OF WORKS	BANK
CONSTUCT ON	NATURAL SURFACE
START	POINT 0 (18.94,1.68)
FINISH	POINT 75 (18.94,1.68)
CORNERS	(15.83,1.68) (1.73,12.86) (2.45,20.50) (21.07,24.39)
LENGTH OF WORKS	3531 Metres
WIDTH BANK	5.00 Metres
HEIGHT POINT 0	6.40 Metres
COMPACTION FACTOR	0 %
INSIDE BATTER	1 : 5.0
OUTSIDE BATTER	1 : 2.5
GRADE OF BANK	+0.000 %
VOLUME OF FILL	687682 Cubic Metres
VOLUME OF CUT	0 Cubic Metres

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BANK 0.000 %

0 ========== 75



SUBHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: Res K6-J4-J-K-K6
Design: 1
Date: 14/3/100

BANK INDIVIDUAL POINTS CONSTUCT ON NATURAL SURFACE

AT NATURAL SURFACE							BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES	DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
K6	0	13.10	****	53.00	53.00	18.50 34.50	****	****	****	0	6.40	19.50	4640	4640
1	50	13.00	****	53.75	53.75	18.75 35.00	****	****	****	0	6.50	19.50	9547	14187
2	100	12.89	****	54.57	54.57	19.02 35.55	****	****	****	0	6.61	19.50	9845	24032
3	150	12.82	****	55.10	55.10	19.20 35.90	****	****	****	0	6.68	19.50	5520	29552
4	155	12.82	****	55.10	55.10	19.20 35.90	****	****	****	0	6.68	19.50	5018	34570
5	200	12.80	****	55.25	55.25	19.25 36.00	****	****	****	0	6.70	19.50	9587	44157
6	250	12.74	****	55.70	55.70	19.40 36.30	****	****	****	0	6.76	19.50	10258	54416
7	300	12.65	****	56.37	56.37	19.62 36.75	****	****	****	0	6.85	19.50	10510	64926
8	350	12.69	****	56.07	56.07	19.52 36.55	****	****	****	0	6.81	19.50	10398	75324
9	400	12.73	****	55.77	55.77	19.42 36.35	****	****	****	0	6.77	19.50	10286	85610
10	450	12.74	****	55.70	55.70	19.40 36.30	****	****	****	0	6.76	19.50	10258	95869
11	500	12.70	****	56.00	56.00	19.50 36.50	****	****	****	0	6.80	19.50	10370	106239
12	550	12.55	****	57.12	57.12	19.87 37.25	****	****	****	0	6.95	19.50	10794	117033
13	600	12.48	****	57.65	57.65	20.05 37.60	****	****	****	0	7.02	19.50	10995	128028
14	650	12.54	****	57.20	57.20	19.90 37.30	****	****	****	0	6.96	19.50	10823	138851
15	700	12.66	****	56.30	56.30	19.60 36.70	****	****	****	0	6.84	19.50	10482	149333
16	750	12.76	****	55.55	55.55	19.35 36.20	****	****	****	0	6.74	19.50	10203	159536
17	800	12.77	****	55.47	55.47	19.32 36.15	****	****	****	0	6.73	19.50	10175	169710
	850	12.76	****	55.55	55.55	19.35 36.20	****	****	****	0	6.74	19.50	10203	179913
19	900	12.78	****	55.40	55.40	19.30 36.10	****	****	****	0	6.72	19.50	10147	190060
20	950	12.77	****	55.47	55.47	19.32 36.15	****	****	****	0	6.73	19.50	10175	200235
21	1000	12.81	****	55.17	55.17	19.22 35.95	****	****	****	0	6.69	19.50	10064	210299
22	1050	12.81	****	55.17	55.17	19.22 35.95	****	****	****	0	6.69	19.50	5535	215835
J4 23	1055	12.81	****	55.17	55.17	19.22 35.95	****	****	****	0	6.69	19.50	5032	220867
24	1100	12.82	****	55.10	55.10	19.20 35.90	****	****	****	0	6.68	19.50	9535	230402

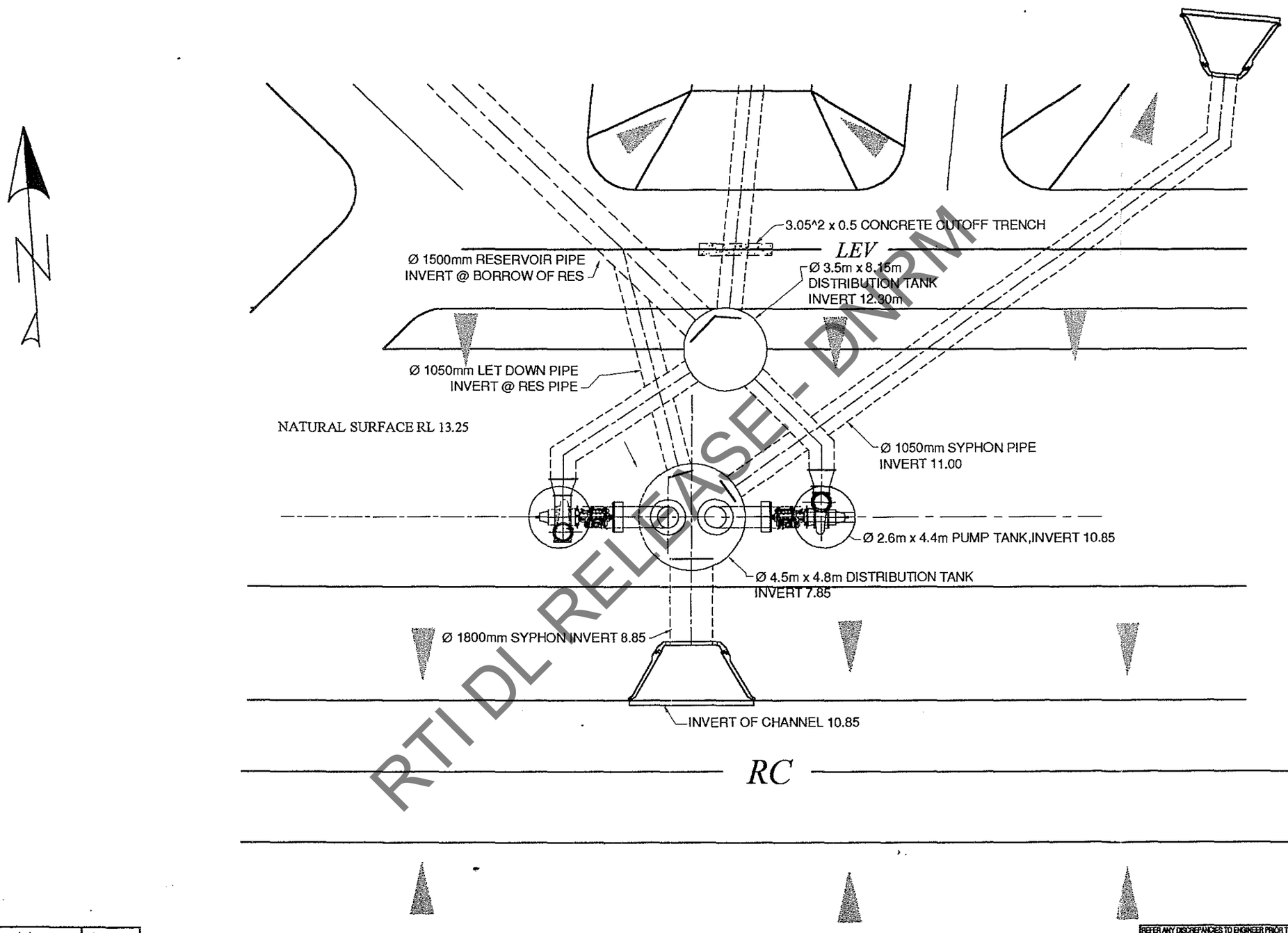
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25	1150	12.78	****	55.40	55.40	19.30	36.10	****	****	****	0	6.72	19.50	10147	240549
26	1200	12.74	****	55.70	55.70	19.40	36.30	****	****	****	0	6.76	19.50	10258	250807
27	1250	12.79	****	55.32	55.32	19.27	36.05	****	****	****	0	6.71	19.50	10120	260927
28	1300	12.77	****	55.47	55.47	19.32	36.15	****	****	****	0	6.73	19.50	10175	271102
29	1350	12.75	****	55.62	55.62	19.37	36.25	****	****	****	0	6.75	19.50	10230	281332
30	1400	12.74	****	55.70	55.70	19.40	36.30	****	****	****	0	6.76	19.50	9130	290462
31	1439	12.72	****	55.85	55.85	19.45	36.40	****	****	****	0	6.78	19.50	5157	295619
32	1450	12.72	****	55.85	55.85	19.45	36.40	****	****	****	0	6.78	19.50	6292	301911
33	1500	12.71	****	55.92	55.92	19.47	36.45	****	****	****	0	6.79	19.50	10342	312253
34	1550	12.72	****	55.85	55.85	19.45	36.40	****	****	****	0	6.78	19.50	10314	322567
35	1600	12.75	****	55.62	55.62	19.37	36.25	****	****	****	0	6.75	19.50	10230	332797
36	1650	12.77	****	55.47	55.47	19.32	36.15	****	****	****	0	6.73	19.50	10175	342972
37	1700	12.78	****	55.40	55.40	19.30	36.10	****	****	****	0	6.72	19.50	10147	353119
38	1750	12.79	****	55.32	55.32	19.27	36.05	****	****	****	0	6.71	19.50	10120	363239
39	1800	12.81	****	55.17	55.17	19.22	35.95	****	****	****	0	6.69	19.50	10064	373303
40	1850	12.86	****	54.80	54.80	19.10	35.70	****	****	****	0	6.64	19.50	9927	383230
41	1900	12.88	****	54.65	54.65	19.05	35.60	****	****	****	0	6.62	19.50	9872	393102
42	1950	12.89	****	54.57	54.57	19.02	35.55	****	****	****	0	6.61	19.50	9845	402947
43	2000	12.93	****	54.27	54.27	18.92	35.35	****	****	****	0	6.57	19.50	9736	412682
44	2050	12.97	****	53.97	53.97	18.82	35.15	****	****	****	0	6.53	19.50	9628	422310
45	2100	13.06	****	53.30	53.30	18.60	34.70	****	****	****	0	6.44	19.50	9386	431696
46	2150	13.09	****	53.07	53.07	18.52	34.55	****	****	****	0	6.41	19.50	9307	441003
47	2200	13.08	****	53.15	53.15	18.55	34.60	****	****	****	0	6.42	19.50	9333	450336
48	2250	13.08	****	53.15	53.15	18.55	34.60	****	****	****	0	6.42	19.50	9333	459669
49	2300	13.11	****	52.92	52.92	18.47	34.45	****	****	****	0	6.39	19.50	9254	468922
50	2350	13.13	****	52.77	52.77	18.42	34.35	****	****	****	0	6.37	19.50	8281	477203
51	2390	13.14	****	52.70	52.70	18.40	34.30	****	****	****	0	6.36	19.50	4587	481790
52	2400	13.13	****	52.77	52.77	18.42	34.35	****	****	****	0	6.37	19.50	5520	487311
53	2450	13.09	****	53.07	53.07	18.52	34.55	****	****	****	0	6.41	19.50	9307	496617
54	2500	13.16	****	52.55	52.55	18.35	34.20	****	****	****	0	6.34	19.50	9122	505739
55	2550	13.19	****	52.32	52.32	18.27	34.05	****	****	****	0	6.31	19.50	9043	514782
56	2600	13.21	****	52.17	52.17	18.22	33.95	****	****	****	0	6.29	19.50	8991	523772
57	2650	13.21	****	52.17	52.17	18.22	33.95	****	****	****	0	6.29	19.50	8991	532763

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58	2700	13.23	****	52.02	52.02	18.17	33.85	****	****	****	0	6.27	19.50	8939	541702
59	2750	13.23	****	52.02	52.02	18.17	33.85	****	****	****	0	6.27	19.50	8939	550640
60	2800	13.23	****	52.02	52.02	18.17	33.85	****	****	****	0	6.27	19.50	8939	559579
61	2850	13.22	****	52.10	52.10	18.20	33.90	****	****	****	0	6.28	19.50	8965	568544
62	2900	13.19	****	52.32	52.32	18.27	34.05	****	****	****	0	6.31	19.50	9043	577587
63	2950	13.19	****	52.32	52.32	18.27	34.05	****	****	****	0	6.31	19.50	9043	586630
64	3000	13.13	****	52.77	52.77	18.42	34.35	****	****	****	0	6.37	19.50	9201	595830
65	3050	13.13	****	52.77	52.77	18.42	34.35	****	****	****	0	6.37	19.50	9201	605031
66	3100	13.18	****	52.40	52.40	18.30	34.10	****	****	****	0	6.32	19.50	9069	614100
67	3150	13.24	****	51.95	51.95	18.15	33.80	****	****	****	0	6.26	19.50	8913	623013
68	3200	13.26	****	51.80	51.80	18.10	33.70	****	****	****	0	6.24	19.50	8861	631874
69	3250	13.25	****	51.87	51.87	18.12	33.75	****	****	****	0	6.25	19.50	8887	640760
70	3300	13.18	****	52.40	52.40	18.30	34.10	****	****	****	0	6.32	19.50	9069	649829
71	3350	13.13	****	52.77	52.77	18.42	34.35	****	****	****	0	6.37	19.50	9201	659030
72	3400	13.14	****	52.70	52.70	18.40	34.30	****	****	****	0	6.36	19.50	9174	668204
73	3450	13.15	****	52.62	52.62	18.37	34.25	****	****	****	0	6.35	19.50	9148	677352
74	3500	13.13	****	52.77	52.77	18.42	34.35	****	****	****	0	6.37	19.50	7453	684805
75	3531	13.10	****	53.00	53.00	18.50	34.50	****	****	****	0	6.40	19.50	2877	687682

RTI DL RELEASE - DNRM



RTI DL RELEASE - DNRM

Revision	Date	By	Description	Approved

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WebPage: www.sudholz.com.au

SUDHOLZ
EARTHWORKS & CONSTRUCTION
GOONDIWINDI

CONSULTING ENGINEERS
IRRIGATION DESIGN & CONSTRUCTION
CIVIL CONSTRUCTION & EARTHMOVING

CLIENT: *DB & KA COULTON*

PROJECT: *"NEILO" IRRIGATION DEVELOPMENT*

TITLE: *BLOCK 1 RESERVOIR PUMP LAYOUT*

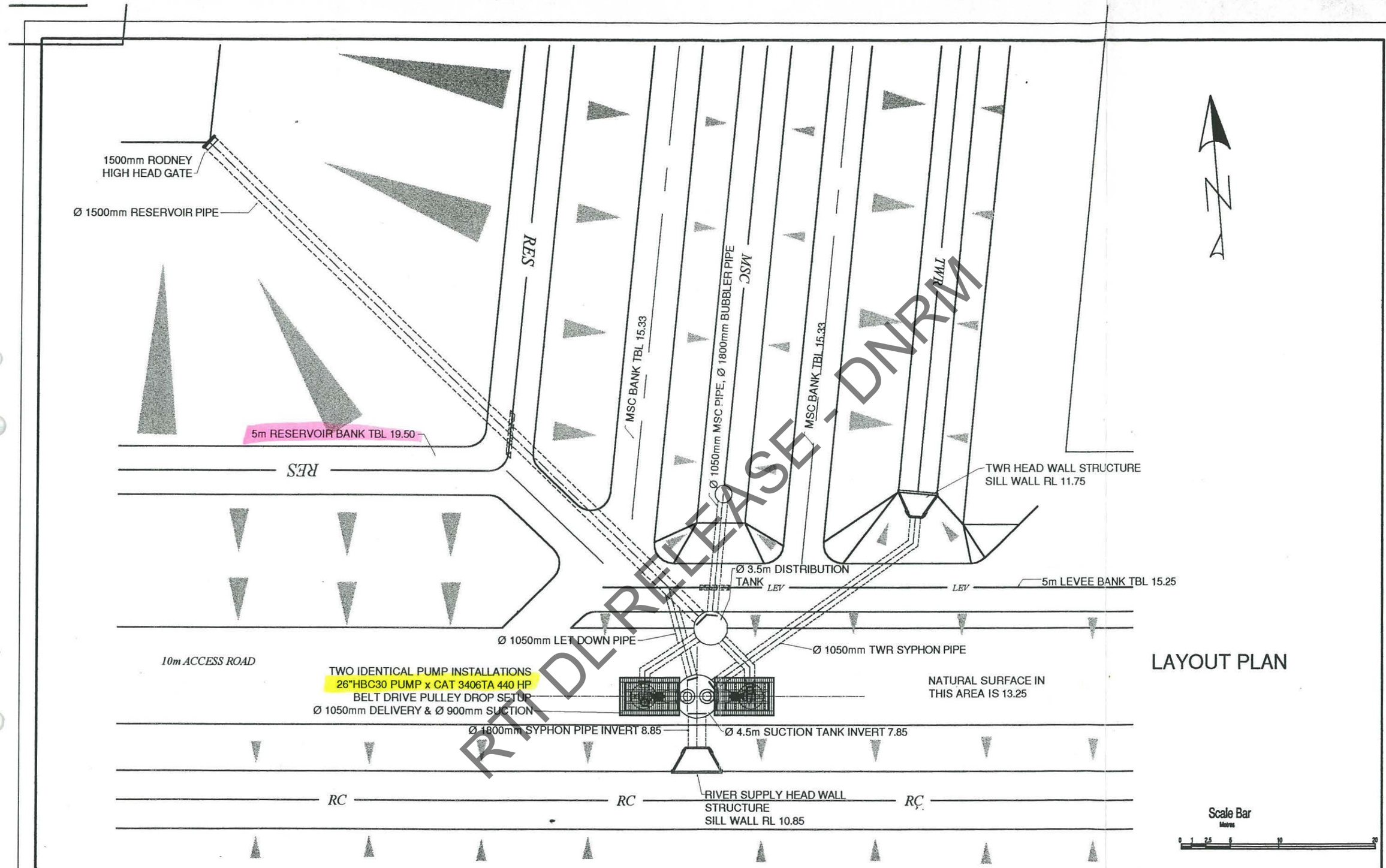
Datum: AMG/AHD +170m | Contour Int.: MJR_MNR_

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Drawing C	D
Approved	D

Drawing No. 19249 - 111 - A

tatus. APPROVAL



LAYOUT PLAN

Scale Bar
Metres
0 1 2.5 5 10 20

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Revision	Date	By	Description	Approved

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CONSULTING ENGINEERS
IRRIGATION DESIGN & CONSTRUCTION
CIVIL CONSTRUCTION & EARTHMOVING

CLIENT: *DB & KA COULTON*

PROJECT: *"NEILO" IRRIGATION DEVELOPMENT*

TITLE: *BLOCK 1 RESERVOIR PUMP LAYOUT*

Datum: AMG/AHD +170m | Contour Int.: MJR_MNR_

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Drawn: B B	Date: 15.8.00	
Drawing C	Date:	
Approved	Date:	Status: APPROVAL

sch4p4(6) Personal information

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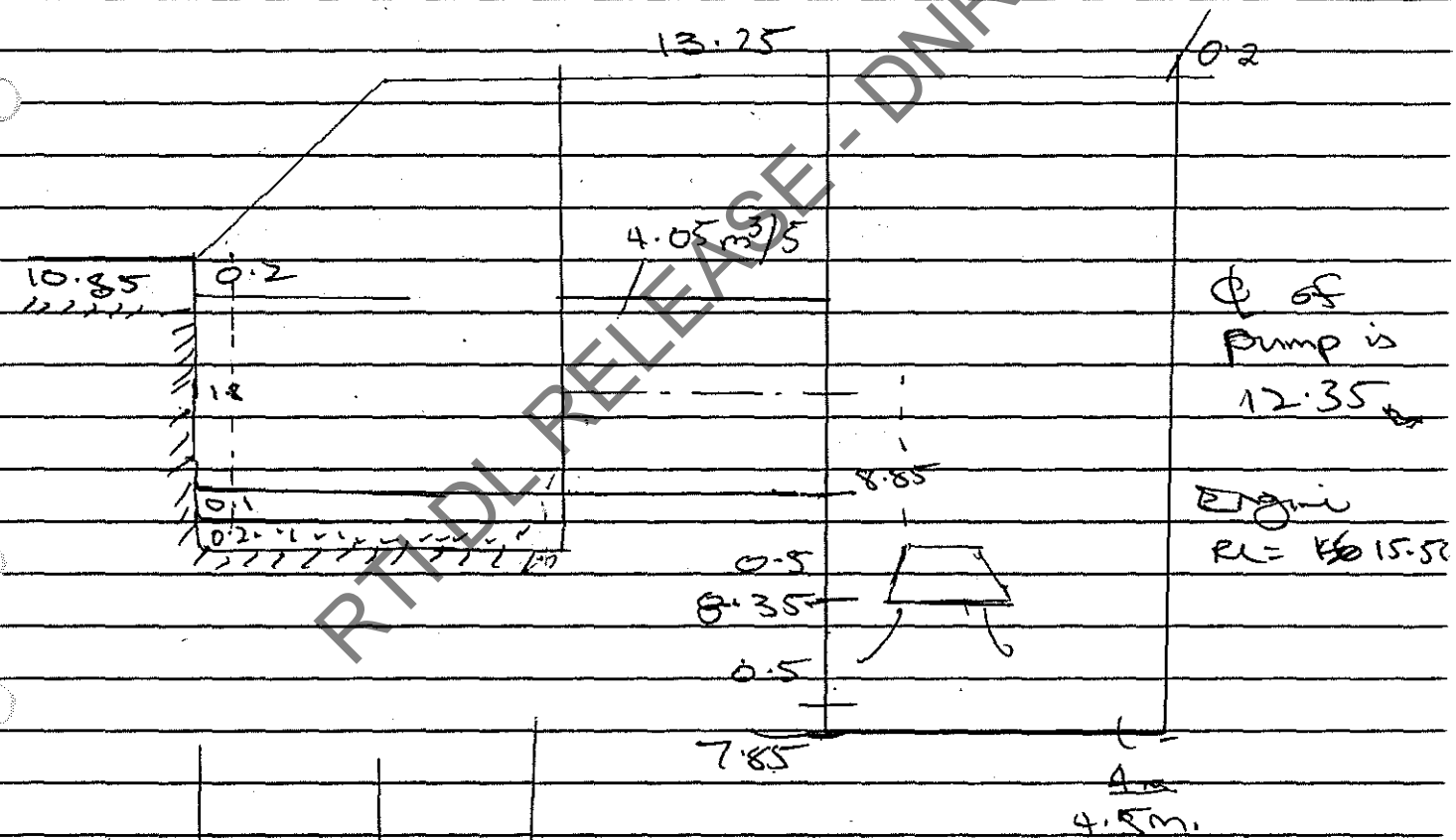
Neils Block 3 Layout.

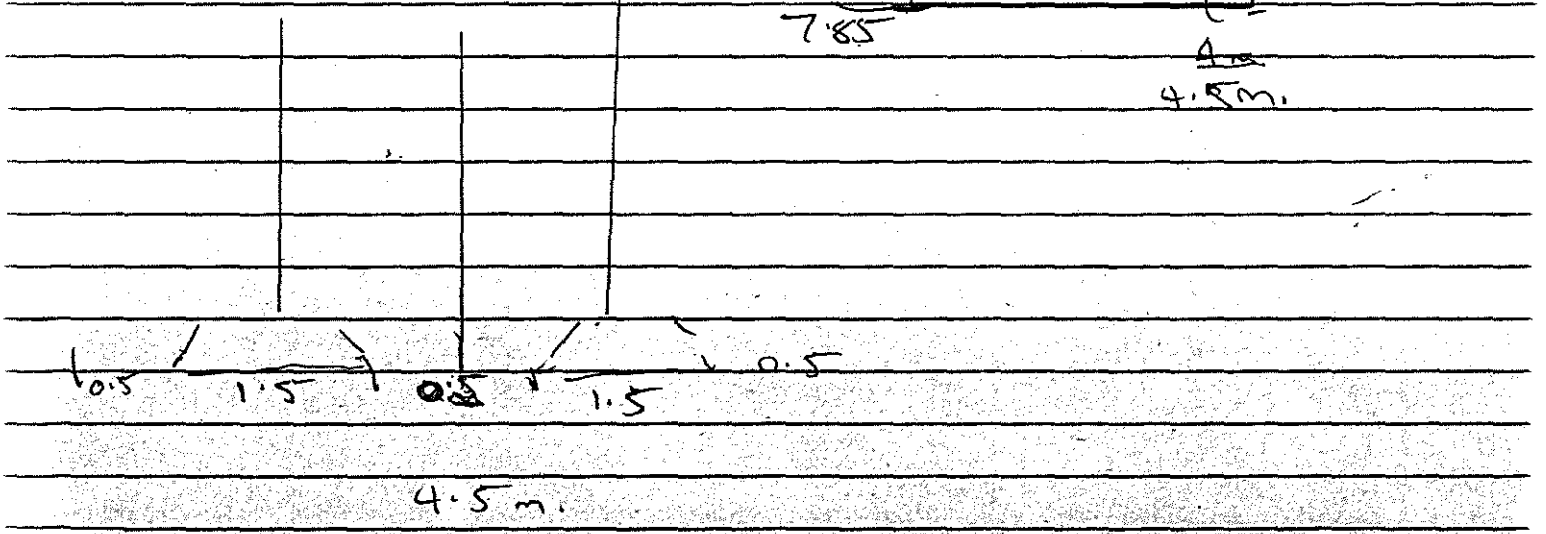
ϕ 1650 mm

Dim A = 2300
" B = 2410

Working on Flow rate of 350 m/ah

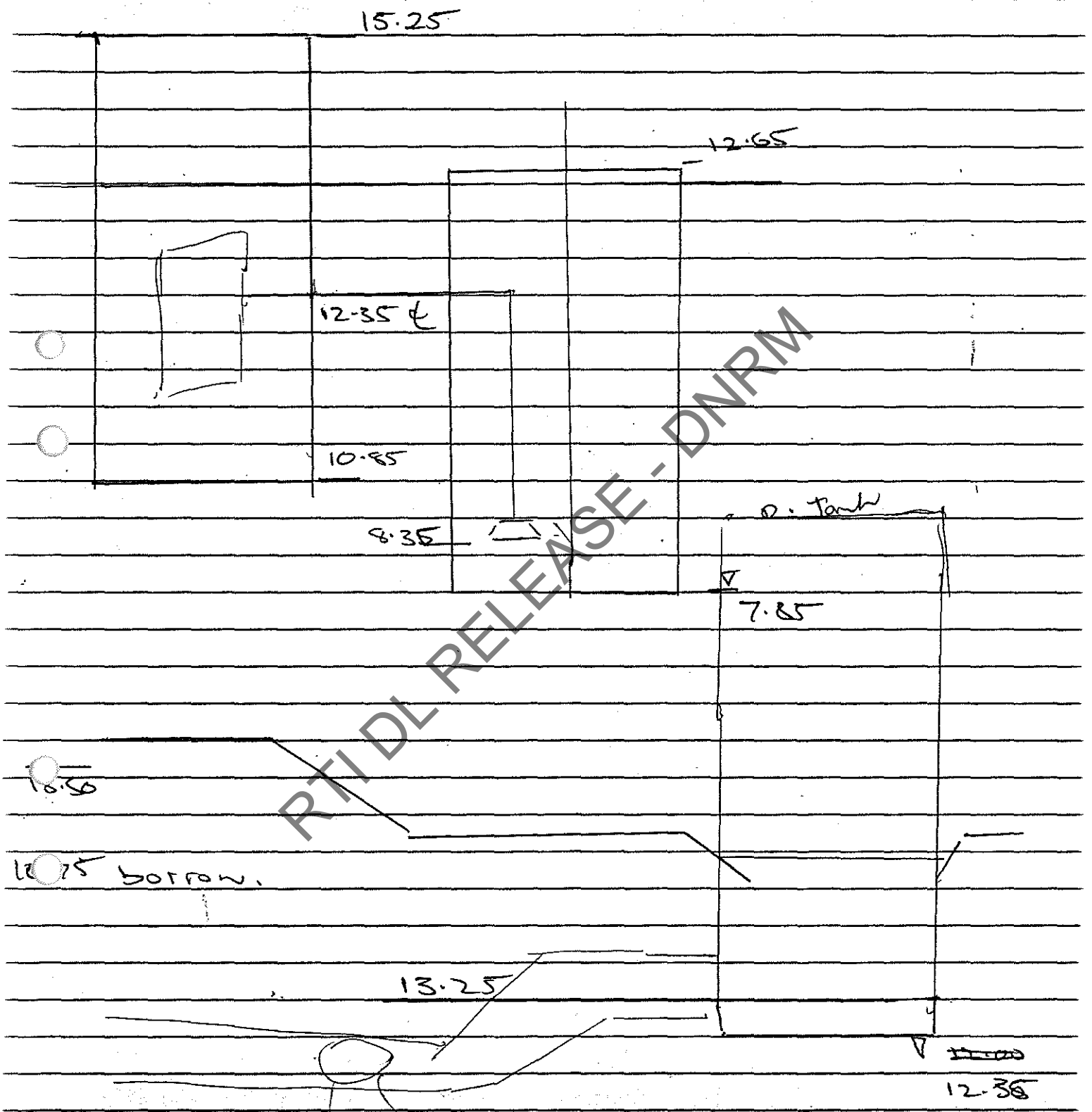
Flow rate 4.05 m^3/s
0.2m head loss;





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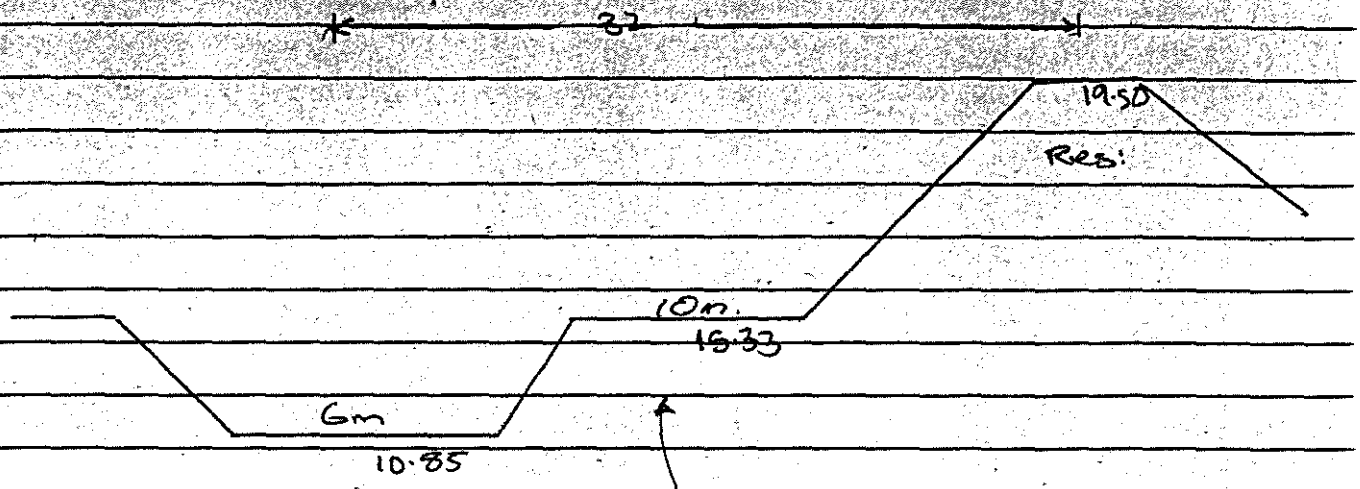
Neils Block / Layout.



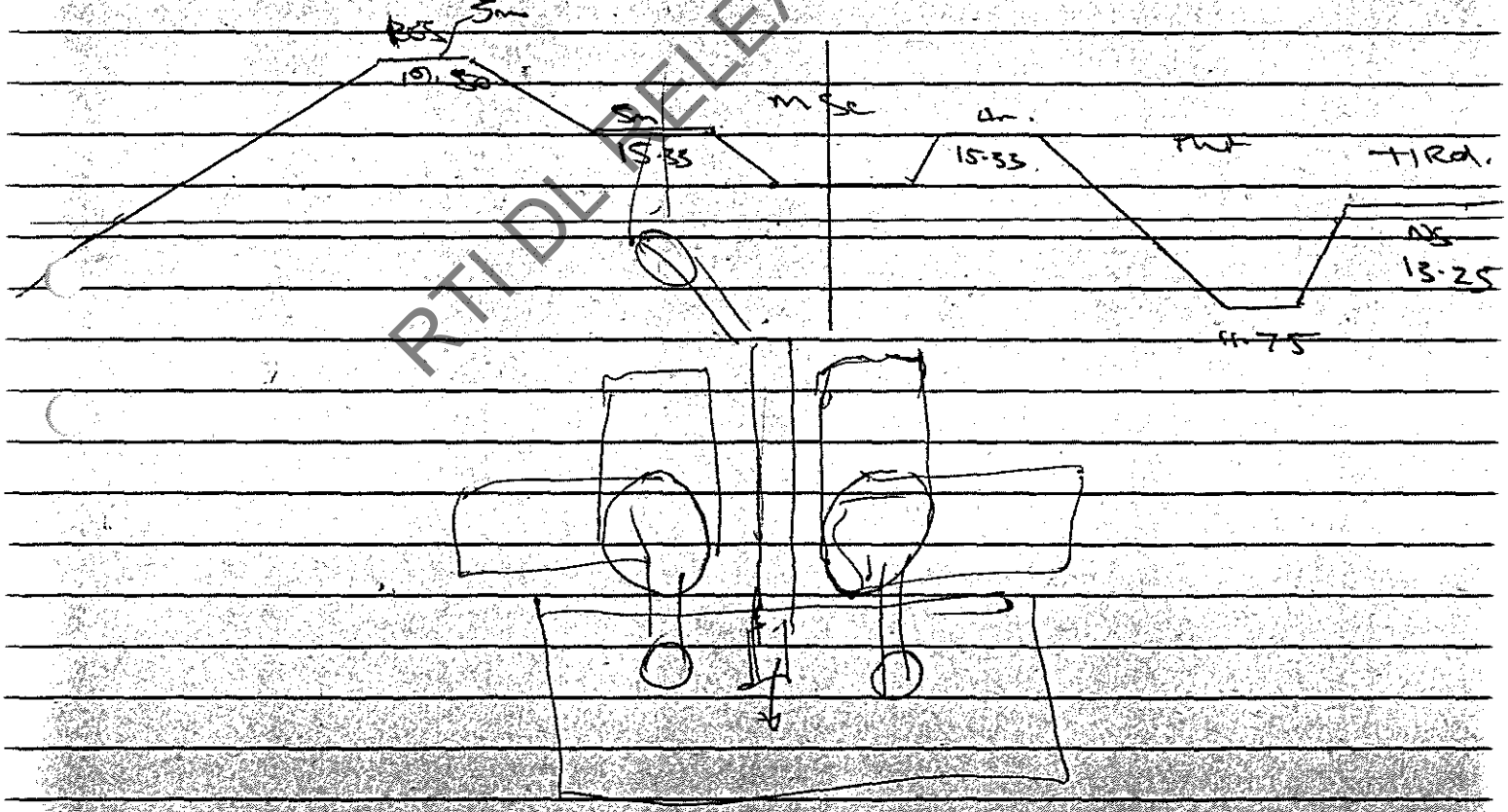
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Wells

Block 3 Reservoir Pump

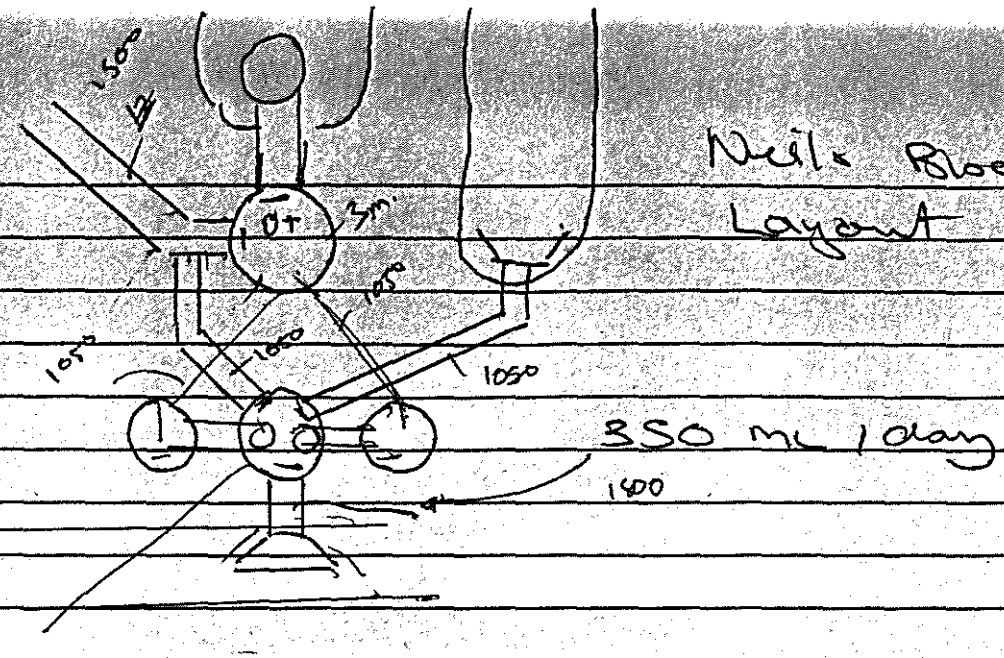


flood height:
Lever 15.75 / 15.24
Pump / Engine @ 16.00 m.

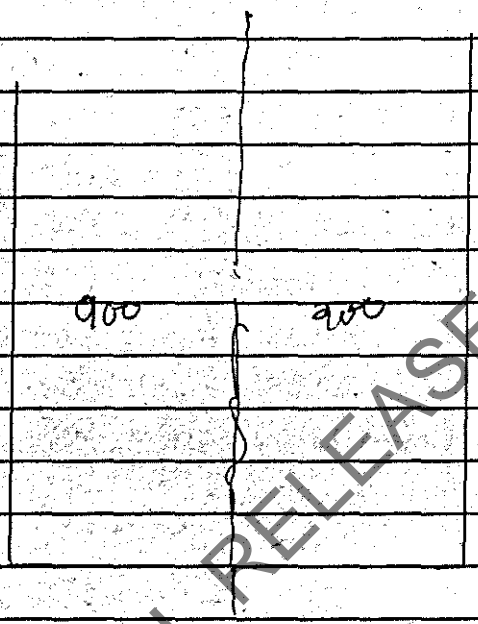


RTI DL RELEASE - DNRM

Release



Milk Block 3
Layout



RTI DL RELEASE - DNRM

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4 LAGOON STREET
)ONDIWINDI, Q. 4390

EARTHMOVING & CONSTRUCTION SUDHOLZ GOONDIWINDI

OFFICE: PHONE (07) 4671 1044
WORKSHOP: PHONE (07) 4671 2484
FAX: (07) 4671 2022
P.O. BOX 883

EPS

ATTEN: DAVID

OFFICIAL ORDER
45358
PLEASE QUOTE ORDER NUMBER ON ALL INVOICES

DATE 20/8/00

EASE SUPPLY THE FOLLOWING GOODS —

)ty.	Part No.	Replaced By	DESCRIPTION	Job No.	Price
		CAT 3406TA 440hp		30009	
		ISLATION SWITCH			
2		WATER FLOW SAFTY			
1	IN3970	ACCESSORY DRIVE			

PATCH PER Delivery of Engnis to Sudholz
DESPATCH IN LATE DECEMBER
PLEASE ADVICED UPON DESPATCH

HOLZ PTY. LTD.
sch4p4(6) Personal information

OFFICE USE ALLOCATION
DESCRIPTION:

CODE: (GL/JOB)

S TAX:
)y quote Sales Tax Registration Number .....
of person authorised to quote .....
ure of person authorised to quote .....

'DHOLZ PTY. LTD.
A.C.N. 009 989 968
:4 LAGOON STREET
)OONDIWINDI, Q. 4390

EARTHMOVING & CONSTRUCTION
SUDHOLZ
GOONDIWINDI

OFFICE: PHONE (07) 4671 1044
WORKSHOP: PHONE (07) 4671 2484
FAX: (07) 4671 2022
P.O. BOX 883

OPS FAXED

ITEN: GLEN

FAX 38681330

OFFICIAL ORDER
45352
PLEASE QUOTE ORDER NUMBER ON ALL INVOICES

DATE 10/8/00

.EASE SUPPLY THE FOLLOWING GOODS —

)ty.	Part No.	Replaced By	DESCRIPTION	Job No.	Price
)	x		26 HBC30 pump unit	20009	

PATCH PER Delivery of pump units to Sudholz
Please hold dispatch until late December
Despatch Manns Transport.

HOLZ PTY LTD
sch4p4(6) Personal information

OFFICE USE ALLOCATION
DESCRIPTION:

CODE: (GL/JOB) 20009 – M

S TAX:
)y quote Sales Tax Registration Number .....
of person authorised to quote .....
:ure of person authorised to quote .....

DHOLZ PTY. LTD.
A.C.N. 009 989 968
4 LAGOON STREET
GOONDIWINDI, Q. 4390

EARTHMOVING & CONSTRUCTION
SUDHOLZ
GOONDIWINDI

OFFICE: PHONE (07) 4671 1044
WORKSHOP: PHONE (07) 4671 2484
FAX: (07) 4671 2022
P.O. BOX 883

MAJOR METALS

RON

OFFICIAL ORDER
45360
PLEASE QUOTE ORDER NUMBER ON ALL INVOICES

DATE 20/8/00

EASE SUPPLY THE FOLLOWING GOODS —

ity.	Part No.	Replaced By	DESCRIPTION	Job No.	Price
RCS	@ 1500 x		10mm x 75m paint in + out		
Syphon	@ 1800 x		10mm x 3m paint in + out		
MSC	@ 1050 x		8mm x 16m. paint in + out		
TWR	@ 1050 x		8mm x 35m paint in + out		
Left down	@ 1050 x		8mm x 18m paint in + out		
All with lifting lugs.					

PATCH PER DELIVERY OF PIPE TO WELLO, TALWOOD
Hold all despatch till late December
Please advise upon despatch.

DHOLZ PTY. LTD.
sch4p4(6) Personal information

OFFICE USE ALLOCATION
DESCRIPTION:

CODE: (GL/JOB)

S TAX:
by quote Sales Tax Registration Number .....
of person authorised to quote .....
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A.C.N. 009 989 968
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)ONDIWINDI, Q. 4390

EARTHMOVING & CONSTRUCTION
SUDHOLZ
GOONDIWINDI

OFFICE: **PHONE (07) 4671 1044**
WORKSHOP: **PHONE (07) 4671 2484**
FAX: **(07) 4671 2022**
P.O. BOX 883

MAJOR METALS

EON

OFFICIAL ORDER
45359
PLEASE QUOTE ORDER NUMBER ON ALL INVOICES

DATE 20/8/00

EASE SUPPLY THE FOLLOWING GOODS —

)ty.	Part No.	Replaced By	DESCRIPTION	Job No.	Price
	Suction tank		@ 4.5m x 10mm x 4.75m.	20009	
			Incl. 10mm floor &		
			1x 125x75 Stiffener		
			Ring		
2	Pump tanks		@ 2.6m x 8mm x 4.5m	20009	
			Incl 8mm floor		
			1x 125x75 Stiffened		
			Ring		
	Distribution tank		@ 3.5 x 10mm x 7.5m.		
			2x 125x75 Stiffener	20009	

PATCH PER .....

.....

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4OLZ PTY. LTD.
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.....

OFFICE USE ALLOCATION

DESCRIPTION:

CODE: (GL/JOB)

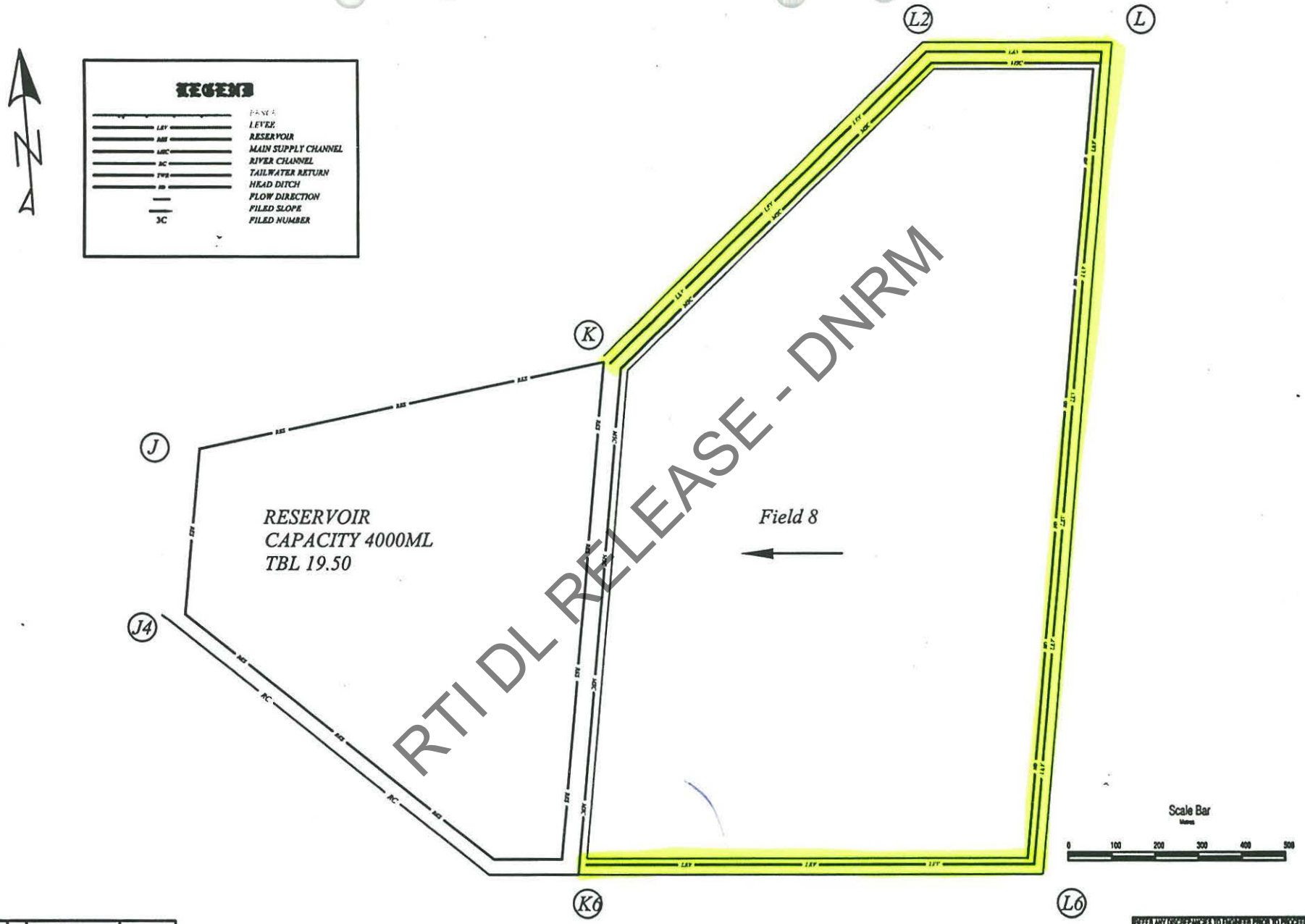
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)y quote Sales Tax Registration Number .....

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EARTHWORKS & CONSTRUCTION
SUDHOLZ
GOONDIWINDI

CONSULTING ENGINEERS
IRRIGATION DESIGN & CONSTRUCTION
CIVIL CONSTRUCTION & EARTHMOVING

CLIENT: *DB & KA COULTON*

PROJECT: *"NEILO" IRRIGATION DEVELOPMENT*

TITLE: *BLOCK 1 LAYOUT*

Datum: AMG/AHD +170m | Contour Int.: MJR _MNR_

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Designed: TFS | Date: 08.04.09
Design Check: | Date:
Drawn: TFS | Date: 08.04.09
Drawing Check: | Date:
Approved: | Date:

Drawing No. 19249 - 43 - A

Status. APPROVAL

Collection one
RTI 13-063
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40 of 247

SUDHOLZ PTY LTD
IRRIGATION DESIGN

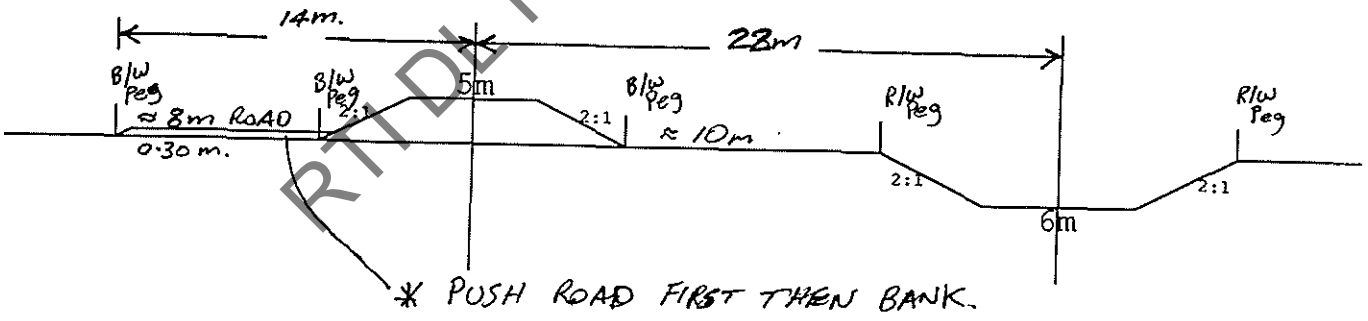
Client: Neilo
Field: Levee K6-L6
Design: 2
Date: 14/3/100

NEILK6L6.DDN. * * SUMMARY OF INFORMATION * *

TYPE OF WORKS	BANK
CONSTUCT ON	NATURAL SURFACE
START	POINT 0 (20.07,1.44)
FINISH	POINT 21 (40.65,1.44)
LENGTH OF WORKS	1029 Metres
WIDTH BANK	5.00 Metres
HEIGHT POINT 0	1.95 Metres
COMPACTION FACTOR	0 %
INSIDE BATTER	1 : 2.0
OUTSIDE BATTER	1 : 2.0
GRADE OF BANK	+0.050 %
VOLUME OF FILL	18067 Cubic Metres
VOLUME OF CUT	0 Cubic Metres

RTI DL RELEASE - DNRM

BANK 0.050 %
<----
0 ========== 21



SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: Levee K6-L6
Design: 2
Date: 14/3/100

BANK INDIVIDUAL POINTS CONSTUCT ON NATURAL SURFACE

AT NATURAL SURFACE							BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES	DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
K60	0	13.29	****	12.80	12.80	6.40 6.40	****	****	****	0	1.95	15.24	434	434
1	50	13.55	****	11.86	11.86	5.93 5.93	****	****	****	0	1.72	15.26	723	1157
2	100	13.62	****	11.68	11.68	5.84 5.84	****	****	****	0	1.67	15.29	696	1853
3	150	13.56	****	12.02	12.02	6.01 6.01	****	****	****	0	1.76	15.31	747	2600
4	200	13.44	****	12.60	12.60	6.30 6.30	****	****	****	0	1.90	15.34	836	3436
	250	13.37	****	12.98	12.98	6.49 6.49	****	****	****	0	1.99	15.36	897	4333
6	300	13.41	****	12.92	12.92	6.46 6.46	****	****	****	0	1.98	15.39	887	5220
	350	13.44	****	12.90	12.90	6.45 6.45	****	****	****	0	1.98	15.41	884	6103
8	400	13.44	****	13.00	13.00	6.50 6.50	****	****	****	0	2.00	15.44	900	7003
9	450	13.44	****	13.10	13.10	6.55 6.55	****	****	****	0	2.03	15.46	916	7920
10	500	13.40	****	13.36	13.36	6.68 6.68	****	****	****	0	2.09	15.49	959	8879
11	550	13.39	****	13.50	13.50	6.75 6.75	****	****	****	0	2.13	15.51	983	9862
12	600	13.41	****	13.52	13.52	6.76 6.76	****	****	****	0	2.13	15.54	986	10848
13	650	13.47	****	13.38	13.38	6.69 6.69	****	****	****	0	2.10	15.56	963	11811
14	700	13.53	****	13.24	13.24	6.62 6.62	****	****	****	0	2.06	15.59	939	12750
15	750	13.60	****	13.06	13.06	6.53 6.53	****	****	****	0	2.02	15.61	910	13660
16	800	13.68	****	12.84	12.84	6.42 6.42	****	****	****	0	1.96	15.64	874	14534
17	850	13.74	****	12.70	12.70	6.35 6.35	****	****	****	0	1.92	15.66	852	15386
18	900	13.76	****	12.72	12.72	6.36 6.36	****	****	****	0	1.93	15.69	855	16241
19	950	13.76	****	12.82	12.82	6.41 6.41	****	****	****	0	1.96	15.71	871	17112
20	1000	13.77	****	12.88	12.88	6.44 6.44	****	****	****	0	1.97	15.74	696	17807
L60 21	1029	13.76	****	12.98	12.98	6.49 6.49	****	****	****	0	1.99	15.75	260	18067

RTI DL RELEASE - DNRM

SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: Levee L6-L
Design: 1
Date: 14/3/100

NEILLL6L.PDN

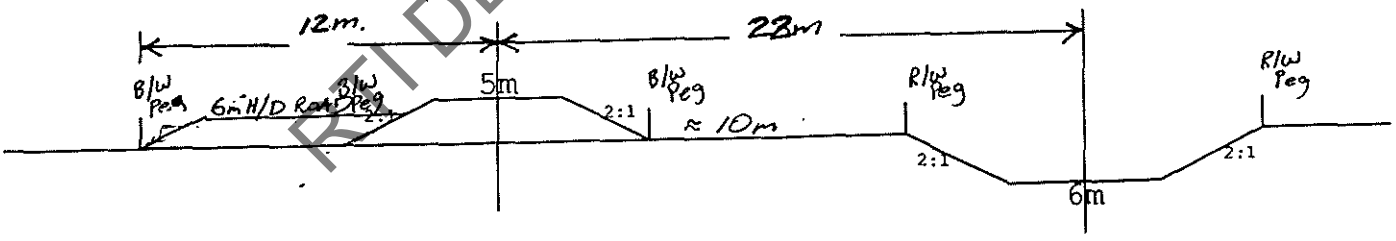
* * SUMMARY OF INFORMATION * *

TYPE OF WORKS	BANK	
CONSTUCT ON	NATURAL SURFACE	
START	POINT	21 (40.65,1.44)
FINISH	POINT	59 (44.10,38.46)
LENGTH OF WORKS	1859	Metres
WIDTH BANK	5.00	Metres
HEIGHT POINT 21	1.99	Metres
COMPACTION FACTOR	0	%
INSIDE BATTER	1 : 2.0	
OUTSIDE BATTER	1 : 2.0	
GRADE OF BANK	+0.000	%
VOLUME OF FILL	28675	Cubic Metres
VOLUME OF CUT	0	Cubic Metres

RTI DL RELEASE - DNRM

BANK 0.000 %

21 ========== 59



SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: Levee L6-L
Design: 1
Date: 14/3/100

BANK INDIVIDUAL POINTS CONSTUCT ON NATURAL SURFACE

AT NATURAL SURFACE							BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES	DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
L6 21	1029	13.76	****	12.96	12.96	6.48 6.48	****	****	****	0	1.99	15.75	188	188
22	1050	13.76	****	12.96	12.96	6.48 6.48	****	****	****	0	1.99	15.75	634	822
23	1100	13.71	****	13.16	13.16	6.58 6.58	****	****	****	0	2.04	15.75	926	1748
24	1150	13.66	****	13.36	13.36	6.68 6.68	****	****	****	0	2.09	15.75	959	2707
25	1200	13.64	****	13.44	13.44	6.72 6.72	****	****	****	0	2.11	15.75	973	3680
26	1250	13.65	****	13.40	13.40	6.70 6.70	****	****	****	0	2.10	15.75	966	4646
27	1300	13.74	****	13.04	13.04	6.52 6.52	****	****	****	0	2.01	15.75	907	5553
28	1350	13.75	****	13.00	13.00	6.50 6.50	****	****	****	0	2.00	15.75	900	6453
29	1400	13.74	****	13.04	13.04	6.52 6.52	****	****	****	0	2.01	15.75	907	7359
30	1450	13.76	****	12.96	12.96	6.48 6.48	****	****	****	0	1.99	15.75	894	8253
31	1500	13.78	****	12.88	12.88	6.44 6.44	****	****	****	0	1.97	15.75	881	9133
32	1550	13.78	****	12.88	12.88	6.44 6.44	****	****	****	0	1.97	15.75	881	10014
33	1600	13.88	****	12.48	12.48	6.24 6.24	****	****	****	0	1.87	15.75	817	10831
34	1650	13.99	****	12.04	12.04	6.02 6.02	****	****	****	0	1.76	15.75	750	11581
35	1700	14.09	****	11.64	11.64	5.82 5.82	****	****	****	0	1.66	15.75	691	12271
36	1750	14.15	****	11.40	11.40	5.70 5.70	****	****	****	0	1.60	15.75	656	12927
37	1800	14.16	****	11.36	11.36	5.68 5.68	****	****	****	0	1.59	15.75	650	13578
38	1850	14.12	****	11.52	11.52	5.76 5.76	****	****	****	0	1.63	15.75	673	14251
39	1900	14.10	****	11.60	11.60	5.80 5.80	****	****	****	0	1.65	15.75	685	14936
40	1950	14.08	****	11.68	11.68	5.84 5.84	****	****	****	0	1.67	15.75	696	15632
41	2000	14.10	****	11.60	11.60	5.80 5.80	****	****	****	0	1.65	15.75	685	16317
42	2050	14.09	****	11.64	11.64	5.82 5.82	****	****	****	0	1.66	15.75	691	17007
43	2100	14.08	****	11.68	11.68	5.84 5.84	****	****	****	0	1.67	15.75	696	17704
44	2150	14.06	****	11.76	11.76	5.88 5.88	****	****	****	0	1.69	15.75	708	18412
45	2200	14.07	****	11.72	11.72	5.86 5.86	****	****	****	0	1.68	15.75	702	19114

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46	2250	14.09	****	11.64	11.64	5.82	5.82	****	****	****	0	1.66	15.75	691	19805
47	2300	14.09	****	11.64	11.64	5.82	5.82	****	****	****	0	1.66	15.75	691	20495
48	2350	14.16	****	11.36	11.36	5.68	5.68	****	****	****	0	1.59	15.75	650	21145
49	2400	14.26	****	10.96	10.96	5.48	5.48	****	****	****	0	1.49	15.75	595	21740
50	2450	14.17	****	11.32	11.32	5.66	5.66	****	****	****	0	1.58	15.75	645	22385
51	2500	14.03	****	11.88	11.88	5.94	5.94	****	****	****	0	1.72	15.75	726	23110
52	2550	14.00	****	12.00	12.00	6.00	6.00	****	****	****	0	1.75	15.75	744	23854
53	2600	14.03	****	11.88	11.88	5.94	5.94	****	****	****	0	1.72	15.75	726	24580
54	2650	14.01	****	11.96	11.96	5.98	5.98	****	****	****	0	1.74	15.75	738	25318
55	2700	13.98	****	12.08	12.08	6.04	6.04	****	****	****	0	1.77	15.75	756	26074
56	2750	13.94	****	12.24	12.24	6.12	6.12	****	****	****	0	1.81	15.75	780	26854
57	2800	13.90	****	12.40	12.40	6.20	6.20	****	****	****	0	1.85	15.75	805	27658
58	2850	13.90	****	12.40	12.40	6.20	6.20	****	****	****	0	1.85	15.75	708	28367
[illegible]	2888	13.89	****	12.44	12.44	6.22	6.22	****	****	****	0	1.86	15.75	308	28675

RTI DL RELEASE - DNRM

SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: Head Ditch Road L6-L
Design: 1
Date: 14/3/100

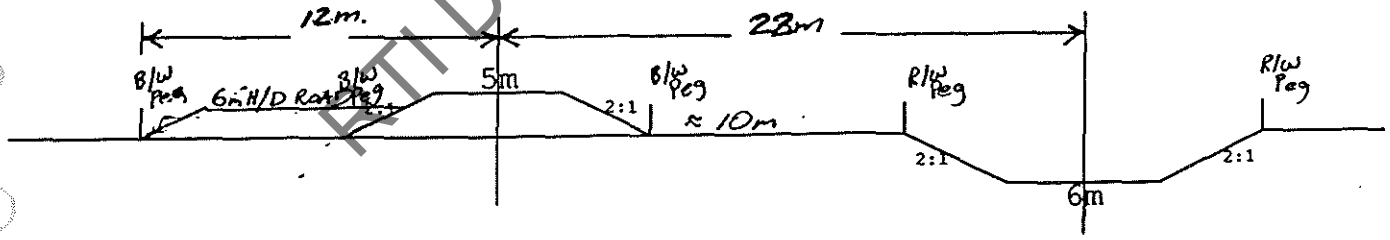
NEILHDR8.DDN. * * SUMMARY OF INFORMATION * *

TYPE OF WORKS	BANK
CONSTUCT ON	NATURAL SURFACE
START	POINT 21 (40.65,1.44)
FINISH	POINT 59 (44.10,38.46)
LENGTH OF WORKS	1859 Metres
WIDTH BANK	6.00 Metres
HEIGHT POINT 21	1.24 Metres
COMPACTION FACTOR	0 %
INSIDE BATTER	1 : -2.0
OUTSIDE BATTER	1 : 2.0
GRADE OF BANK	+0.000 %
VOLUME OF FILL	11607 Cubic Metres
VOLUME OF CUT	0 Cubic Metres

RTI DL RELEASE - DNRM

BANK 0.000 %

21 ========== 59



SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: Head Ditch Road L6-L
Design: 1
Date: 14/3/100

BANK INDIVIDUAL POINTS CONSTUCT ON NATURAL SURFACE

	AT NATURAL SURFACE							BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES		DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
L62	1029	13.76	****	6.00	6.00	5.48	0.52	****	****	****	0	1.24	15.00	78	78
22	1050	13.76	****	6.00	6.00	5.48	0.52	****	****	****	0	1.24	15.00	264	342
23	1100	13.71	****	6.00	6.00	5.58	0.42	****	****	****	0	1.29	15.00	387	729
24	1150	13.66	****	6.00	6.00	5.68	0.32	****	****	****	0	1.34	15.00	402	1131
25	1200	13.64	****	6.00	6.00	5.72	0.28	****	****	****	0	1.36	15.00	408	1539
[illegible]	1250	13.65	****	6.00	6.00	5.70	0.30	****	****	****	0	1.35	15.00	405	1944
27	1300	13.74	****	6.00	6.00	5.52	0.48	****	****	****	0	1.26	15.00	378	2322
[illegible]	1350	13.75	****	6.00	6.00	5.50	0.50	****	****	****	0	1.25	15.00	375	2697
29	1400	13.74	****	6.00	6.00	5.52	0.48	****	****	****	0	1.26	15.00	378	3075
30	1450	13.76	****	6.00	6.00	5.48	0.52	****	****	****	0	1.24	15.00	372	3447
31	1500	13.78	****	6.00	6.00	5.44	0.56	****	****	****	0	1.22	15.00	366	3813
32	1550	13.78	****	6.00	6.00	5.44	0.56	****	****	****	0	1.22	15.00	366	4179
33	1600	13.88	****	6.00	6.00	5.24	0.76	****	****	****	0	1.12	15.00	336	4515
34	1650	13.99	****	6.00	6.00	5.02	0.98	****	****	****	0	1.01	15.00	303	4818
35	1700	14.09	****	6.00	6.00	4.82	1.18	****	****	****	0	0.91	15.00	273	5091
[illegible]	1750	14.15	****	6.00	6.00	4.70	1.30	****	****	****	0	0.85	15.00	255	5346
37	1800	14.16	****	6.00	6.00	4.68	1.32	****	****	****	0	0.84	15.00	252	5598
38	1850	14.12	****	6.00	6.00	4.76	1.24	****	****	****	0	0.88	15.00	264	5862
39	1900	14.10	****	6.00	6.00	4.80	1.20	****	****	****	0	0.90	15.00	270	6132
40	1950	14.08	****	6.00	6.00	4.84	1.16	****	****	****	0	0.92	15.00	276	6408
41	2000	14.10	****	6.00	6.00	4.80	1.20	****	****	****	0	0.90	15.00	270	6678
42	2050	14.09	****	6.00	6.00	4.82	1.18	****	****	****	0	0.91	15.00	273	6951
43	2100	14.08	****	6.00	6.00	4.84	1.16	****	****	****	0	0.92	15.00	276	7227
44	2150	14.06	****	6.00	6.00	4.88	1.12	****	****	****	0	0.94	15.00	282	7509
45	2200	14.07	****	6.00	6.00	4.86	1.14	****	****	****	0	0.93	15.00	279	7788

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46	3250	14.09	****	6.00	6.00	4.82	1.18	****	****	****	0	0.91	15.00	273	8061
47	2300	14.09	****	6.00	6.00	4.82	1.18	****	****	****	0	0.91	15.00	273	8334
48	2350	14.16	****	6.00	6.00	4.68	1.32	****	****	****	0	0.84	15.00	252	8586
49	2400	14.26	****	6.00	6.00	4.48	1.52	****	****	****	0	0.74	15.00	222	8808
50	2450	14.17	****	6.00	6.00	4.66	1.34	****	****	****	0	0.83	15.00	249	9057
51	2500	14.03	****	6.00	6.00	4.94	1.06	****	****	****	0	0.97	15.00	291	9348
52	2550	14.00	****	6.00	6.00	5.00	1.00	****	****	****	0	1.00	15.00	300	9648
53	2600	14.03	****	6.00	6.00	4.94	1.06	****	****	****	0	0.97	15.00	291	9939
54	2650	14.01	****	6.00	6.00	4.98	1.02	****	****	****	0	0.99	15.00	297	10236
55	2700	13.98	****	6.00	6.00	5.04	0.96	****	****	****	0	1.02	15.00	306	10542
56	2750	13.94	****	6.00	6.00	5.12	0.88	****	****	****	0	1.06	15.00	318	10860
57	2800	13.90	****	6.00	6.00	5.20	0.80	****	****	****	0	1.10	15.00	330	11190
58	2850	13.90	****	6.00	6.00	5.20	0.80	****	****	****	0	1.10	15.00	290	11481
[illegible]	2888	13.89	****	6.00	6.00	5.22	0.78	****	****	****	0	1.11	15.00	127	11607

RTI DL RELEASE - DNRM

SUDHOLZ PTY LTD
IRRIGATION DESIGN

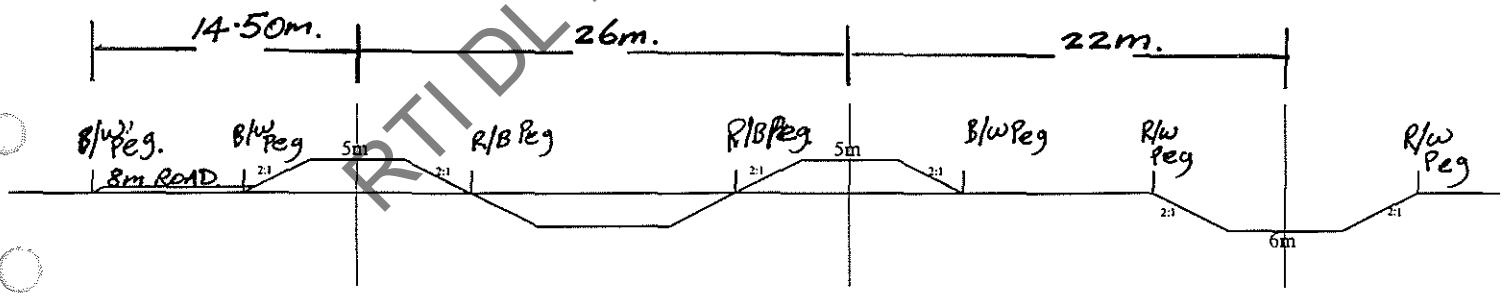
Client: Neilo
Field: Levee L-L2-K
Design: 1
Date: 14/3/100

NEILLLK.DDN.

* * SUMMARY OF INFORMATION * *

TYPE OF WORKS	BANK	
CONSTUCT ON	NATURAL SURFACE	
START	POINT	59 (44.10,38.46)
FINISH	POINT	89 (21.68,24.09)
CORNERS	(36.62,38.46)	
LENGTH OF WORKS	1410	Metres
WIDTH BANK	5.00	Metres
HEIGHT POINT 59	1.86	Metres
COMPACTION FACTOR	0	%
INSIDE BATTER	1 : 2.0	
OUTSIDE BATTER	1 : 2.0	
GRADE OF BANK	-0.050	%
VOLUME OF FILL	23114	Cubic Metres
VOLUME OF CUT	0	Cubic Metres

BANK 0.050 %
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59 ========== 89



RTI DL RELEASE - DNRM
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SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: Levee L-L2-K
Design: 1
Date: 14/3/100

BANK INDIVIDUAL POINTS CONSTUCT ON NATURAL SURFACE

AT NATURAL SURFACE							BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES	DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
L5	2888	13.89	****	12.44	12.44	6.22 6.22	****	****	****	0	1.86	15.75	97	97
60	2900	13.88	****	12.46	12.46	6.23 6.23	****	****	****	0	1.86	15.74	504	602
61	2950	13.87	****	12.40	12.40	6.20 6.20	****	****	****	0	1.85	15.72	804	1406
62	3000	13.86	****	12.34	12.34	6.17 6.17	****	****	****	0	1.83	15.69	795	2201
63	3050	13.85	****	12.28	12.28	6.14 6.14	****	****	****	0	1.82	15.67	786	2986
64	3100	13.82	****	12.30	12.30	6.15 6.15	****	****	****	0	1.82	15.64	789	3775
65	3150	13.77	****	12.40	12.40	6.20 6.20	****	****	****	0	1.85	15.62	804	4579
66	3200	13.73	****	12.46	12.46	6.23 6.23	****	****	****	0	1.86	15.59	813	5393
67	3250	13.69	****	12.52	12.52	6.26 6.26	****	****	****	0	1.88	15.57	510	5903
L2 68	3262	13.69	****	12.49	12.49	6.25 6.25	****	****	****	0	1.87	15.56	410	6312
69	3300	13.69	****	12.42	12.42	6.21 6.21	****	****	****	0	1.85	15.54	710	7023
70	3350	13.65	****	12.48	12.48	6.24 6.24	****	****	****	0	1.87	15.52	817	7839
71	3400	13.60	****	12.58	12.58	6.29 6.29	****	****	****	0	1.89	15.49	832	8671
72	3450	13.56	****	12.64	12.64	6.32 6.32	****	****	****	0	1.91	15.47	842	9513
73	3500	13.54	****	12.62	12.62	6.31 6.31	****	****	****	0	1.90	15.44	839	10352
74	3550	13.48	****	12.76	12.76	6.38 6.38	****	****	****	0	1.94	15.42	861	11212
75	3600	13.43	****	12.86	12.86	6.43 6.43	****	****	****	0	1.96	15.39	877	12089
76	3650	13.46	****	12.64	12.64	6.32 6.32	****	****	****	0	1.91	15.37	842	12931
77	3700	13.44	****	12.62	12.62	6.31 6.31	****	****	****	0	1.90	15.34	839	13769
78	3750	13.43	****	12.56	12.56	6.28 6.28	****	****	****	0	1.89	15.32	829	14598
79	3800	13.40	****	12.58	12.58	6.29 6.29	****	****	****	0	1.89	15.29	832	15431
80	3850	13.41	****	12.44	12.44	6.22 6.22	****	****	****	0	1.86	15.27	810	16241
81	3900	13.39	****	12.42	12.42	6.21 6.21	****	****	****	0	1.85	15.24	807	17048
82	3950	13.39	****	12.32	12.32	6.16 6.16	****	****	****	0	1.83	15.22	792	17840
83	4000	13.37	****	12.30	12.30	6.15 6.15	****	****	****	0	1.82	15.19	789	18629

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84	4050	13.35	****	12.28	12.28	6.14	6.14	****	****	****	0	1.82	15.17	786	19414
85	4100	13.29	****	12.42	12.42	6.21	6.21	****	****	****	0	1.85	15.14	807	20221
86	4150	13.22	****	12.60	12.60	6.30	6.30	****	****	****	0	1.90	15.12	835	21057
87	4200	13.19	****	12.62	12.62	6.31	6.31	****	****	****	0	1.90	15.09	839	21895
88	4250	13.17	****	12.60	12.60	6.30	6.30	****	****	****	0	1.90	15.07	819	22714
89	4298	13.15	****	12.58	12.58	6.29	6.29	****	****	****	0	1.89	15.04	400	23114

RTI DL RELEASE - DNRM

SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: MSC Bank L-L2-K
Design: 1
Date: 14/3/100

NEILMLK.DDN.

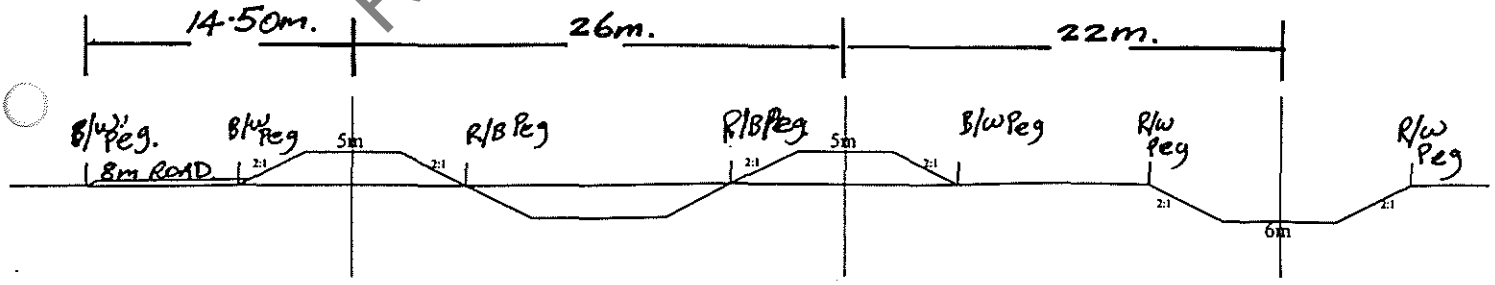
* * SUMMARY OF INFORMATION * *

TYPE OF WORKS	BANK
CONSTUCT ON	NATURAL SURFACE
START	POINT 59 (44.10,38.46)
FINISH	POINT 89 (21.68,24.09)
CORNERS	(36.62,38.46)
LENGTH OF WORKS	1410 Metres
WIDTH BANK	5.00 Metres
HEIGHT POINT 59	1.44 Metres
COMPACTION FACTOR	0 %
INSIDE BATTER	1 : 2.0
OUTSIDE BATTER	1 : 2.0
GRADE OF BANK	+0.000 %
VOLUME OF FILL	22064 Cubic Metres
VOLUME OF CUT	0 Cubic Metres

RTI DL RELEASE - DNRM

BANK 0.000 %

59 ========== 89



SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: MSC Bank L-L2-K
Design: 1
Date: 14/3/100

BANK INDIVIDUAL POINTS CONSTUCT ON NATURAL SURFACE

AT NATURAL SURFACE								BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES		DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
59	2888	13.89	****	10.76	10.76	5.38	5.38	****	****	****	0	1.44	15.33	68	68
60	2900	13.88	****	10.80	10.80	5.40	5.40	****	****	****	0	1.45	15.33	355	423
61	2950	13.87	****	10.84	10.84	5.42	5.42	****	****	****	0	1.46	15.33	578	1001
62	3000	13.86	****	10.88	10.88	5.44	5.44	****	****	****	0	1.47	15.33	584	1585
63	3050	13.85	****	10.92	10.92	5.46	5.46	****	****	****	0	1.48	15.33	589	2174
64	3100	13.82	****	11.04	11.04	5.52	5.52	****	****	****	0	1.51	15.33	606	2779
65	3150	13.77	****	11.24	11.24	5.62	5.62	****	****	****	0	1.56	15.33	633	3413
66	3200	13.73	****	11.40	11.40	5.70	5.70	****	****	****	0	1.60	15.33	656	4069
67	3250	13.69	****	11.56	11.56	5.78	5.78	****	****	****	0	1.64	15.33	421	4490
L2 68	3262	13.69	****	11.56	11.56	5.78	5.78	****	****	****	0	1.64	15.33	339	4829
69	3300	13.69	****	11.56	11.56	5.78	5.78	****	****	****	0	1.64	15.33	597	5427
70	3350	13.65	****	11.72	11.72	5.86	5.86	****	****	****	0	1.68	15.33	702	6129
71	3400	13.60	****	11.92	11.92	5.96	5.96	****	****	****	0	1.73	15.33	732	6861
72	3450	13.56	****	12.08	12.08	6.04	6.04	****	****	****	0	1.77	15.33	756	7617
73	3500	13.54	****	12.16	12.16	6.08	6.08	****	****	****	0	1.79	15.33	768	8384
74	3550	13.48	****	12.40	12.40	6.20	6.20	****	****	****	0	1.85	15.33	805	9189
75	3600	13.43	****	12.60	12.60	6.30	6.30	****	****	****	0	1.90	15.33	836	10025
76	3650	13.46	****	12.48	12.48	6.24	6.24	****	****	****	0	1.87	15.33	817	10842
77	3700	13.44	****	12.56	12.56	6.28	6.28	****	****	****	0	1.89	15.33	830	11672
78	3750	13.43	****	12.60	12.60	6.30	6.30	****	****	****	0	1.90	15.33	836	12508
79	3800	13.40	****	12.72	12.72	6.36	6.36	****	****	****	0	1.93	15.33	855	13363
80	3850	13.41	****	12.68	12.68	6.34	6.34	****	****	****	0	1.92	15.33	849	14212
81	3900	13.39	****	12.76	12.76	6.38	6.38	****	****	****	0	1.94	15.33	861	15073
82	3950	13.39	****	12.76	12.76	6.38	6.38	****	****	****	0	1.94	15.33	861	15934
83	4000	13.37	****	12.84	12.84	6.42	6.42	****	****	****	0	1.96	15.33	874	16809

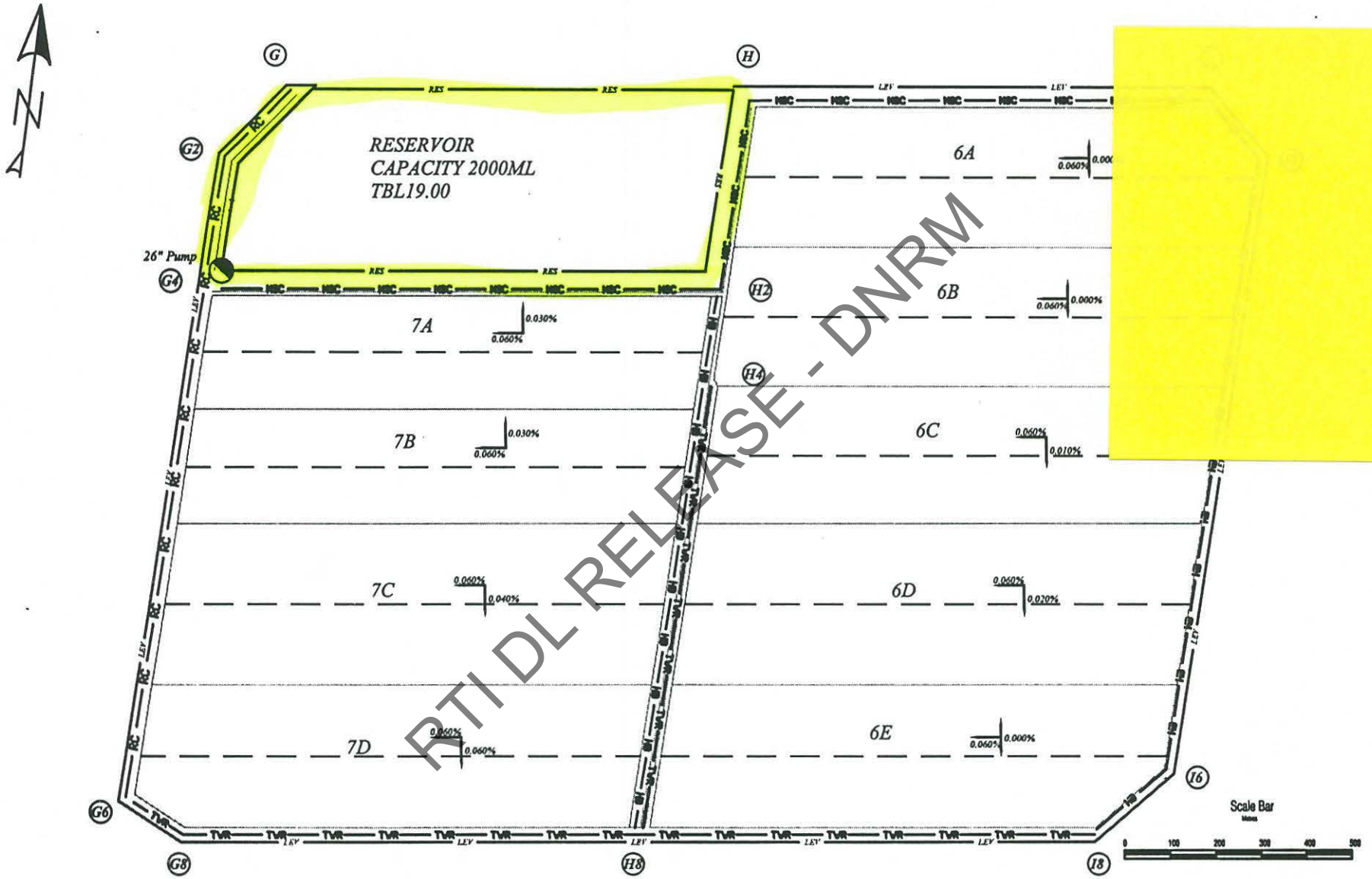
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84	4050	13.35	****	12.92	12.92	6.46	6.46	****	****	****	0	1.98	15.33	887	17696
85	4100	13.29	****	13.16	13.16	6.58	6.58	****	****	****	0	2.04	15.33	926	18622
86	4150	13.22	****	13.44	13.44	6.72	6.72	****	****	****	0	2.11	15.33	973	19595
87	4200	13.19	****	13.56	13.56	6.78	6.78	****	****	****	0	2.14	15.33	993	20588
88	4250	13.17	****	13.64	13.64	6.82	6.82	****	****	****	0	2.16	15.33	986	21574
89	4298	13.15	****	13.72	13.72	6.86	6.86	****	****	****	0	2.18	15.33	490	22064

RTI DL RELEASE - DNRM

APPENDIX TWO - BLOCK 2 RESERVOIR

BLOCK 2.



RTI DL RELEASE - DNRM

Revision	Date	By	Description	Approved
B	06.09.06	TFS	New layout	

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FAX: (07) 46712 602
WebPage: www.sudholz.com.au

SUDHOLZ
GOONDIWINDI
CONSULTING ENGINEERS
IRRIGATION DESIGN & CONSTRUCTION
CIVIL CONSTRUCTION & EARTHMOVING

CLIENT: *DB & KA COULTON*

PROJECT: *"NEILO" IRRIGATION DEVELOPMENT*

TITLE: *BLOCK 2 LAYOUT*

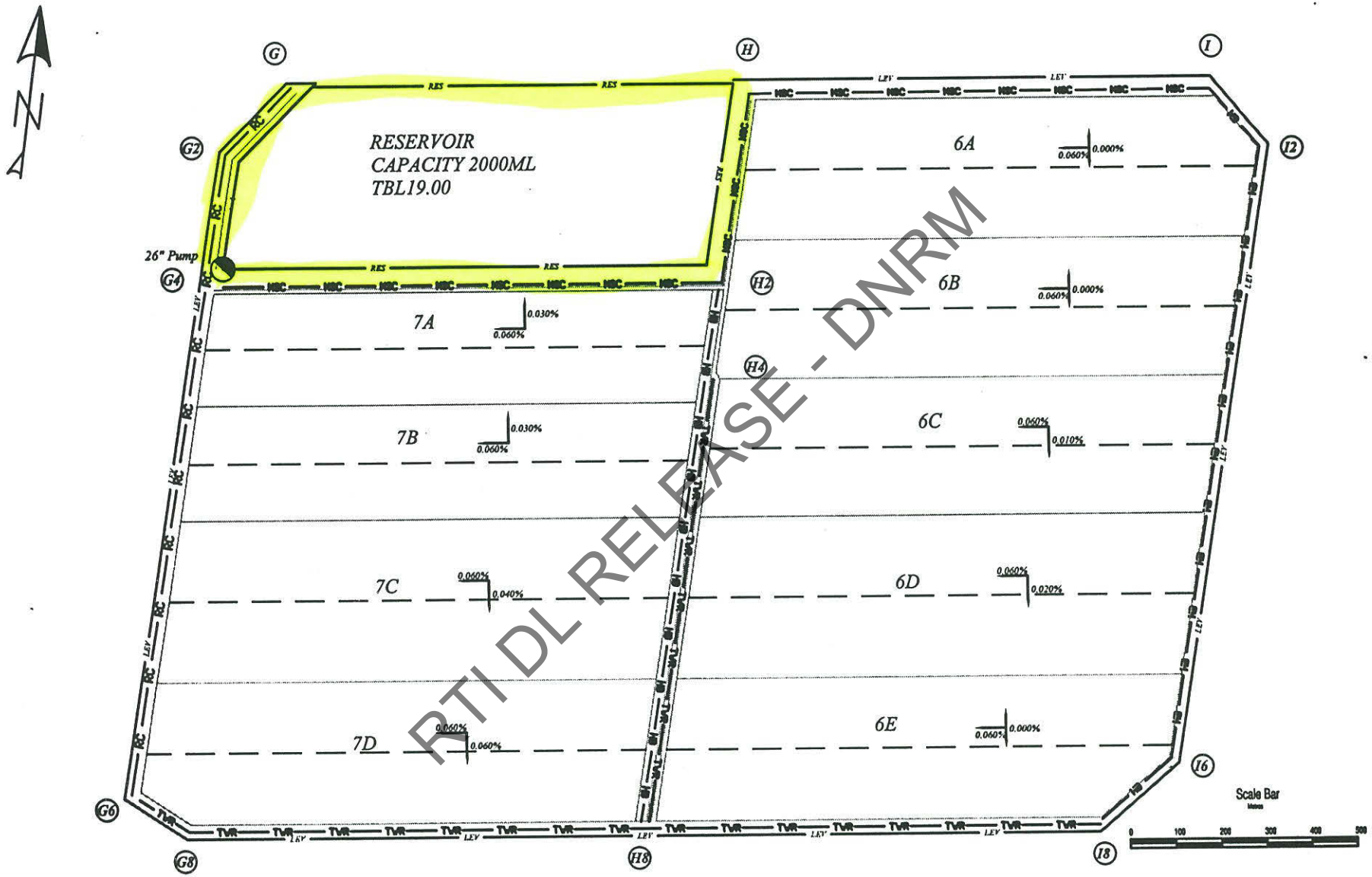
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Drawn: TFS	Date: 06.09.06	Status. APPROVAL
Drawing Check:	Date: 6.9.06	
Approved:	Date: 7.9.06	

Collection one
RTI 13-063
155 of 247

APPENDIX TWO - BLOCK 2 RESERVOIR



RTI DL RELEASE - DNRM

Revision	Date	By	Description	Approved
B	06.09.00	TFS	New layout	

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SUDHOLZ GOONDIWINDI
CONSULTING ENGINEERS
IRRIGATION DESIGN & CONSTRUCTION
CIVIL CONSTRUCTION & EARTHMOVING

CLIENT: *DB & KA COULTON*

PROJECT: *"NEILO" IRRIGATION DEVELOPMENT*

TITLE: *BLOCK 2 LAYOUT*

Datum: AMG/AHD +170m | Contour Int.: MJR _ MNR _

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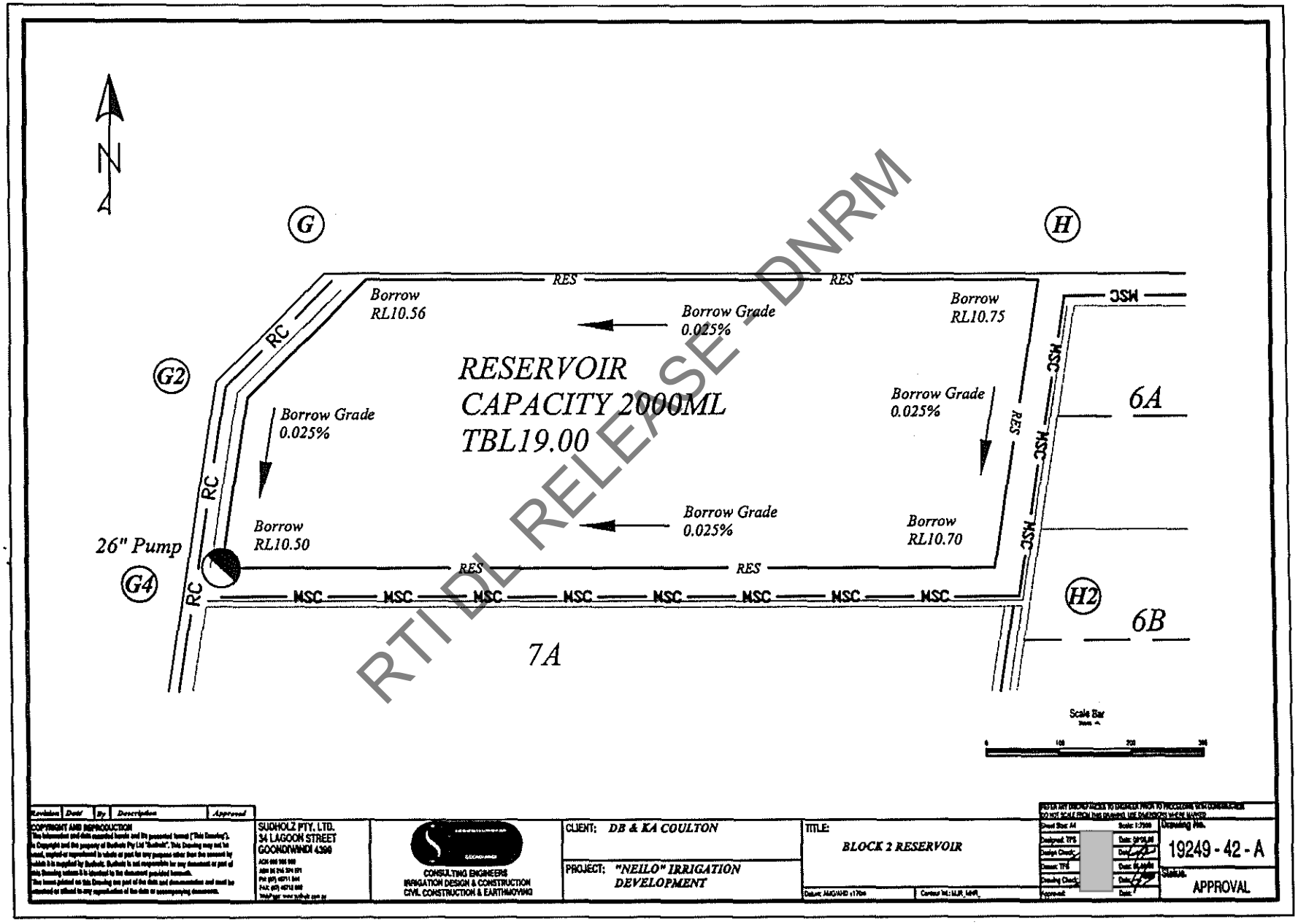
Designed: TFS (Date: 06.09.00)
Design Check: (Date: 06.09.00)
Drawn: TFS (Date: 06.09.00)
Drawing Check: (Date: 06.09.00)
Approved: (Date: 06.09.00)

Drawing No. 19249 - 41 - B

Status. APPROVAL

sch4p4(6) Personal information

APPENDIX TWO - BLOCK 2 RESERVOIR


N
G
H
G2
G4
H2
RES
RES
Borrow
RL10.56
Borrow Grade
0.025%
Borrow
RL10.75
RESERVOIR
CAPACITY 2000ML
TBL19.00
Borrow Grade
0.025%
Borrow Grade
0.025%
Borrow
RL10.50
Borrow Grade
0.025%
Borrow
RL10.70
RC
RC
RC
26" Pump
RES
RES
MSC
MSC
MSC
MSC
MSC
MSC
MSC
MSC
MSC
MSC
MSC
6A
6B
7A
Scale Bar
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IRRIGATION DESIGN & CONSTRUCTION
CIVIL CONSTRUCTION & EARTHMOVING
CLIENT: DB & KA COULTON
PROJECT: "NEILO" IRRIGATION DEVELOPMENT
TITLE:
BLOCK 2 RESERVOIR
Drawing No.
19249 - 42 - A
Status
APPROVAL

Release

Client: NEILO
Field: Reservoir Bank
Design: 1
Date: 27/7/100

NEILRES2.DDN. * * SUMMARY OF INFORMATION * *

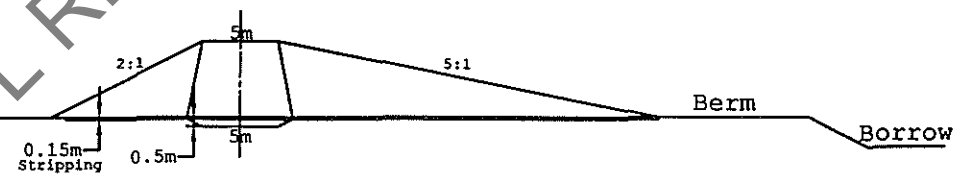
TYPE OF WORKS	BANK
CONSTUCT ON	NATURAL SURFACE
START	POINT 0 (5.20,24.96)
FINISH	POINT 61 (5.20,24.96)
CORNERS	(5.95,29.57) (9.22,32.81) (27.66,32.81) (26.38,24.96)
LENGTH OF WORKS	2842 Metres
WIDTH BANK	5.00 Metres
HEIGHT POINT 0	6.36 Metres
COMPACTION FACTOR	0 %
INSIDE BATTER	1 : 5.0
OUTSIDE BATTER	1 : 2.0
GRADE OF BANK	+0.000 %
VOLUME OF FILL	486796 Cubic Metres
VOLUME OF CUT	0 Cubic Metres

BANK 0.000 %

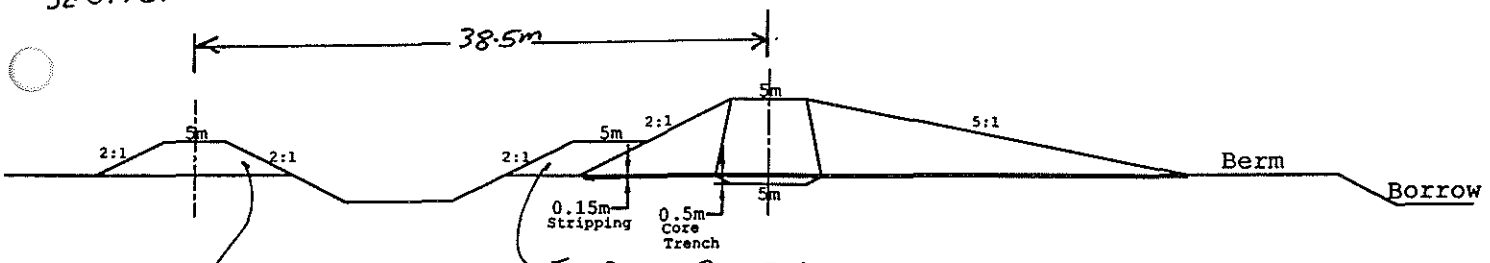
0 ========== 61

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SECTION G4-G-H.



SECTION H-H2-G4.



MSC BANK. PUSHED BY DOZER.

5m BERM BUILT BY SCRAPER FROM RES. BORROW.

SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: NEILO
Field: Reservoir Bank
Design: 1
Date: 27/7/100

BANK INDIVIDUAL POINTS CONSTUCT ON NATURAL SURFACE

AT NATURAL SURFACE							BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES	DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
G4 PUMP.	0	12.64	****	49.52	49.52	15.22 34.30	****	****	****	0	6.36	19.00	4334	4334
1	50	12.66	****	49.38	49.38	15.18 34.20	****	****	****	0	6.34	19.00	8619	12954
2	100	12.67	****	49.31	49.31	15.16 34.15	****	****	****	0	6.33	19.00	8595	21548
3	150	12.66	****	49.38	49.38	15.18 34.20	****	****	****	0	6.34	19.00	8619	30167
4	200	12.67	****	49.31	49.31	15.16 34.15	****	****	****	0	6.33	19.00	7219	37387
5	234	12.67	****	49.31	49.31	15.16 34.15	****	****	****	0	6.33	19.00	4297	41684
6	250	12.68	****	49.24	49.24	15.14 34.10	****	****	****	0	6.32	19.00	5656	47340
7	300	12.70	****	49.10	49.10	15.10 34.00	****	****	****	0	6.30	19.00	8521	55861
8	350	12.74	****	48.82	48.82	15.02 33.80	****	****	****	0	6.26	19.00	8423	64284
9	400	12.77	****	48.61	48.61	14.96 33.65	****	****	****	0	6.23	19.00	8350	72633
10	450	12.79	****	48.47	48.47	14.92 33.55	****	****	****	0	6.21	19.00	5313	77946
G 11	464	12.79	****	48.47	48.47	14.92 33.55	****	****	****	0	6.21	19.00	4151	82097
12	500	12.78	****	48.54	48.54	14.94 33.60	****	****	****	0	6.22	19.00	7160	89257
13	550	12.79	****	48.47	48.47	14.92 33.55	****	****	****	0	6.21	19.00	8301	97558
14	600	12.75	****	48.75	48.75	15.00 33.75	****	****	****	0	6.25	19.00	8398	105956
15	650	12.62	****	49.66	49.66	15.26 34.40	****	****	****	0	6.38	19.00	8718	114675
16	700	12.59	****	49.87	49.87	15.32 34.55	****	****	****	0	6.41	19.00	8793	123468
17	750	12.56	****	50.08	50.08	15.38 34.70	****	****	****	0	6.44	19.00	8868	132335
18	800	12.58	****	49.94	49.94	15.34 34.60	****	****	****	0	6.42	19.00	8818	141153
19	850	12.53	****	50.29	50.29	15.44 34.85	****	****	****	0	6.47	19.00	8943	150096
20	900	12.56	****	50.08	50.08	15.38 34.70	****	****	****	0	6.44	19.00	8868	158964
21	950	12.56	****	50.08	50.08	15.38 34.70	****	****	****	0	6.44	19.00	8868	167832
22	1000	12.57	****	50.01	50.01	15.36 34.65	****	****	****	0	6.43	19.00	8843	176675
23	1050	12.58	****	49.94	49.94	15.34 34.60	****	****	****	0	6.42	19.00	8818	185493
24	1100	12.61	****	49.73	49.73	15.28 34.45	****	****	****	0	6.39	19.00	8743	194236
25	1150	12.65	****	49.45	49.45	15.20 34.25	****	****	****	0	6.35	19.00	8644	202880
26	1200	12.67	****	49.31	49.31	15.16 34.15	****	****	****	0	6.33	19.00	8595	211474

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27	1250	12.66	****	49.38	49.38	15.18	34.20	****	****	****	0	6.34	19.00	8619	220094
28	1300	12.68	****	49.24	49.24	15.14	34.10	****	****	****	0	6.32	19.00	8570	228663
29	1350	12.72	****	48.96	48.96	15.06	33.90	****	****	****	0	6.28	19.00	7286	235949
30	1386	12.70	****	49.10	49.10	15.10	34.00	****	****	****	0	6.30	19.00	4260	240210
31	1400	12.71	****	49.03	49.03	15.08	33.95	****	****	****	0	6.29	19.00	5438	245647
32	1450	12.76	****	48.68	48.68	14.98	33.70	****	****	****	0	6.24	19.00	8374	254021
33	1500	12.78	****	48.54	48.54	14.94	33.60	****	****	****	0	6.22	19.00	8325	262347
34	1550	12.79	****	48.47	48.47	14.92	33.55	****	****	****	0	6.21	19.00	8301	270648
35	1600	12.75	****	48.75	48.75	15.00	33.75	****	****	****	0	6.25	19.00	8398	279046
36	1650	12.69	****	49.17	49.17	15.12	34.05	****	****	****	0	6.31	19.00	8545	287591
37	1700	12.70	****	49.10	49.10	15.10	34.00	****	****	****	0	6.30	19.00	8521	296112
38	1750	12.77	****	48.61	48.61	14.96	33.65	****	****	****	0	6.23	19.00	6930	303042
39	1783	12.78	****	48.54	48.54	14.94	33.60	****	****	****	0	6.22	19.00	4163	307205
40	1800	12.79	****	48.47	48.47	14.92	33.55	****	****	****	0	6.21	19.00	5562	312767
41	1850	12.75	****	48.75	48.75	15.00	33.75	****	****	****	0	6.25	19.00	8398	321165
42	1900	12.76	****	48.68	48.68	14.98	33.70	****	****	****	0	6.24	19.00	8374	329539
43	1950	12.74	****	48.82	48.82	15.02	33.80	****	****	****	0	6.26	19.00	8423	337962
44	2000	12.74	****	48.82	48.82	15.02	33.80	****	****	****	0	6.26	19.00	8423	346385
45	2050	12.71	****	49.03	49.03	15.08	33.95	****	****	****	0	6.29	19.00	8496	354881
46	2100	12.72	****	48.96	48.96	15.06	33.90	****	****	****	0	6.28	19.00	8472	363353
47	2150	12.70	****	49.10	49.10	15.10	34.00	****	****	****	0	6.30	19.00	8521	371874
48	2200	12.71	****	49.03	49.03	15.08	33.95	****	****	****	0	6.29	19.00	8496	380370
49	2250	12.68	****	49.24	49.24	15.14	34.10	****	****	****	0	6.32	19.00	8570	388940
50	2300	12.70	****	49.10	49.10	15.10	34.00	****	****	****	0	6.30	19.00	8521	397460
51	2350	12.68	****	49.24	49.24	15.14	34.10	****	****	****	0	6.32	19.00	8570	406030
52	2400	12.66	****	49.38	49.38	15.18	34.20	****	****	****	0	6.34	19.00	8619	414650
53	2450	12.63	****	49.59	49.59	15.24	34.35	****	****	****	0	6.37	19.00	8693	423343
54	2500	12.63	****	49.59	49.59	15.24	34.35	****	****	****	0	6.37	19.00	8693	432036
55	2550	12.65	****	49.45	49.45	15.20	34.25	****	****	****	0	6.35	19.00	8644	440680
56	2600	12.67	****	49.31	49.31	15.16	34.15	****	****	****	0	6.33	19.00	8595	449275
57	2650	12.66	****	49.38	49.38	15.18	34.20	****	****	****	0	6.34	19.00	8619	457894
58	2700	12.66	****	49.38	49.38	15.18	34.20	****	****	****	0	6.34	19.00	8619	466513
59	2750	12.65	****	49.45	49.45	15.20	34.25	****	****	****	0	6.35	19.00	8644	475157
60	2800	12.63	****	49.59	49.59	15.24	34.35	****	****	****	0	6.37	19.00	7998	483155
61	2842	12.64	****	49.52	49.52	15.22	34.30	****	****	****	0	6.36	19.00	3641	486796

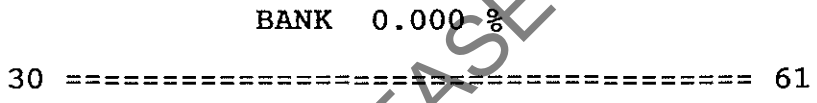
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SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: NEILO
Field: Reservoir MSC Berm
Design: 1
Date: 27/7/100

NEILR2B.DDN. * * SUMMARY OF INFORMATION * *

TYPE OF WORKS	BANK
CONSTUCT ON	NATURAL SURFACE
START	POINT 30 (27.66,32.81)
FINISH	POINT 61 (5.20,24.96)
CORNERS	(26.38,24.96)
LENGTH OF WORKS	1456 Metres
WIDTH BANK	5.00 Metres
HEIGHT POINT 30	2.05 Metres
COMPACTION FACTOR	0 %
INSIDE BATTER	1 : -2.0
OUTSIDE BATTER	1 : 2.0
GRADE OF BANK	+0.000 %
VOLUME OF FILL	14888 Cubic Metres
VOLUME OF CUT	0 Cubic Metres



RTI DL RELEASE - DNRM

SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: NEILO
Field: Reservoir MSC Berm
Design: 1
Date: 27/7/100

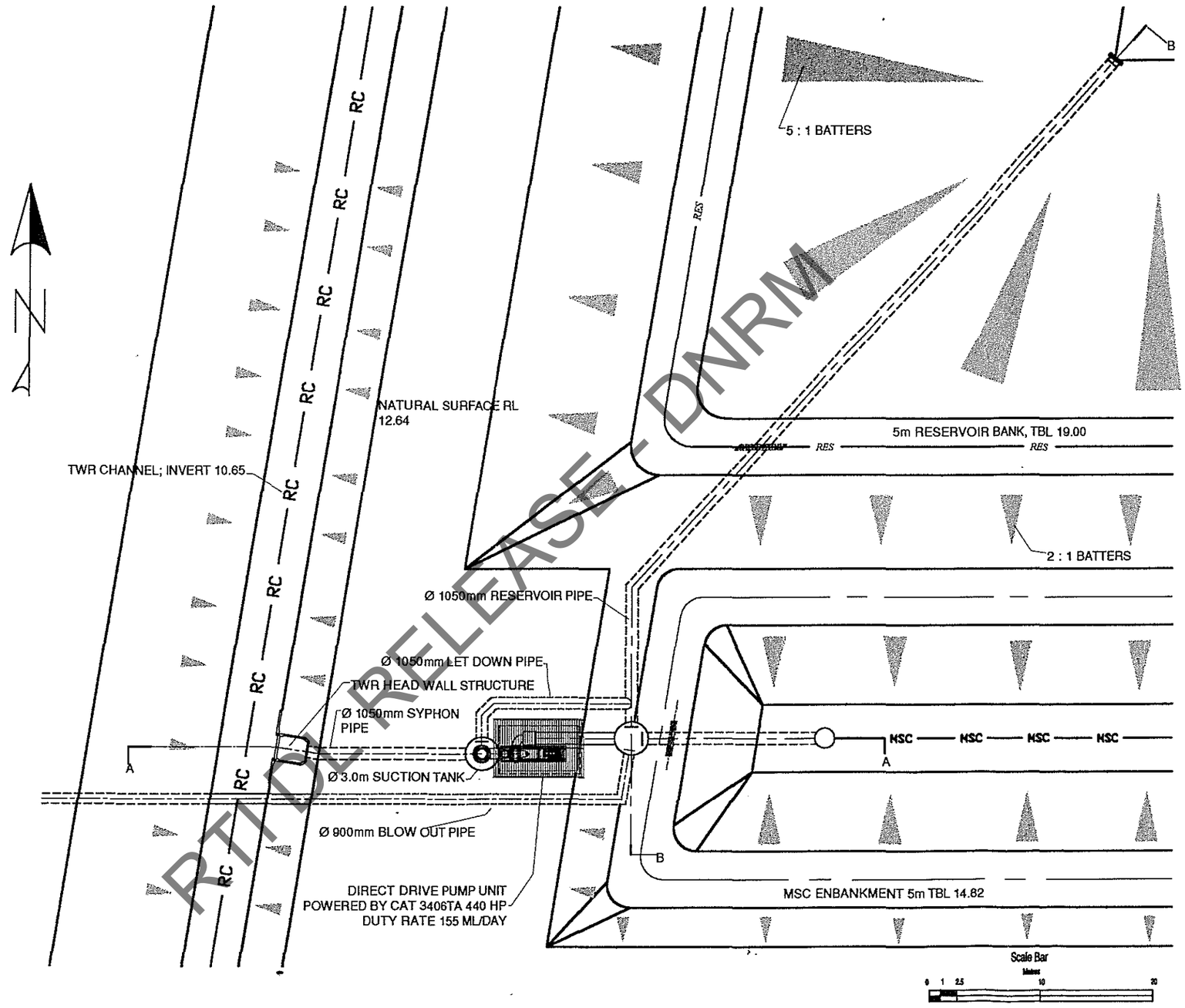
BANK INDIVIDUAL POINTS CONSTUCT ON NATURAL SURFACE

AT NATURAL SURFACE							BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES	DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
30	1386	12.70	****	5.00	5.00	6.60 -1.60	****	****	****	0	2.05	14.75	72	72
31	1400	12.71	****	5.00	5.00	6.58 -1.58	****	****	****	0	2.04	14.75	326	398
32	1450	12.76	****	5.00	5.00	6.48 -1.48	****	****	****	0	1.99	14.75	497	896
33	1500	12.78	****	5.00	5.00	6.44 -1.44	****	****	****	0	1.97	14.75	492	1388
34	1550	12.79	****	5.00	5.00	6.42 -1.42	****	****	****	0	1.96	14.75	490	1878
35	1600	12.75	****	5.00	5.00	6.50 -1.50	****	****	****	0	2.00	14.75	500	2378
36	1650	12.69	****	5.00	5.00	6.62 -1.62	****	****	****	0	2.06	14.75	515	2893
37	1700	12.70	****	5.00	5.00	6.60 -1.60	****	****	****	0	2.05	14.75	512	3406
38	1750	12.77	****	5.00	5.00	6.46 -1.46	****	****	****	0	1.98	14.75	411	3816
A2 39	1783	12.78	****	5.00	5.00	6.44 -1.44	****	****	****	0	1.97	14.75	246	4063
40	1800	12.79	****	5.00	5.00	6.42 -1.42	****	****	****	0	1.96	14.75	328	4391
41	1850	12.75	****	5.00	5.00	6.50 -1.50	****	****	****	0	2.00	14.75	500	4891
42	1900	12.76	****	5.00	5.00	6.48 -1.48	****	****	****	0	1.99	14.75	497	5389
43	1950	12.74	****	5.00	5.00	6.52 -1.52	****	****	****	0	2.01	14.75	502	5891
44	2000	12.74	****	5.00	5.00	6.52 -1.52	****	****	****	0	2.01	14.75	502	6394
45	2050	12.71	****	5.00	5.00	6.58 -1.58	****	****	****	0	2.04	14.75	510	6904
46	2100	12.72	****	5.00	5.00	6.56 -1.56	****	****	****	0	2.03	14.75	507	7411
47	2150	12.70	****	5.00	5.00	6.60 -1.60	****	****	****	0	2.05	14.75	512	7924
48	2200	12.71	****	5.00	5.00	6.58 -1.58	****	****	****	0	2.04	14.75	510	8434
49	2250	12.68	****	5.00	5.00	6.64 -1.64	****	****	****	0	2.07	14.75	517	8951
50	2300	12.70	****	5.00	5.00	6.60 -1.60	****	****	****	0	2.05	14.75	512	9464
51	2350	12.68	****	5.00	5.00	6.64 -1.64	****	****	****	0	2.07	14.75	517	9981
52	2400	12.66	****	5.00	5.00	6.68 -1.68	****	****	****	0	2.09	14.75	522	10504
53	2450	12.63	****	5.00	5.00	6.74 -1.74	****	****	****	0	2.12	14.75	530	11034
54	2500	12.63	****	5.00	5.00	6.74 -1.74	****	****	****	0	2.12	14.75	530	11564

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55	2550	12.65	****	5.00	5.00	6.70	-1.70	****	****	****	0	2.10	14.75	525	12089
56	2600	12.67	****	5.00	5.00	6.66	-1.66	****	****	****	0	2.08	14.75	520	12609
57	2650	12.66	****	5.00	5.00	6.68	-1.68	****	****	****	0	2.09	14.75	522	13131
58	2700	12.66	****	5.00	5.00	6.68	-1.68	****	****	****	0	2.09	14.75	522	13654
59	2750	12.65	****	5.00	5.00	6.70	-1.70	****	****	****	0	2.10	14.75	525	14179
60	2800	12.63	****	5.00	5.00	6.74	-1.74	****	****	****	0	2.12	14.75	488	14666
G46	2842	12.64	****	5.00	5.00	6.72	-1.72	****	****	****	0	2.11	14.75	222	14888

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LAYOUT PLAN

RTI DE-RELEASE - DNRM

Revision	Date	By	Description	Approved

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ABN 25 215 574 671
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FAX: (07) 46712 622
WebPage: www.sudholz.com.au

SUDHOLZ
CONSULTING ENGINEERS
IRRIGATION DESIGN & CONSTRUCTION
CIVIL CONSTRUCTION & EARTHMOVING

CLIENT: *DB & KA COULTON*

PROJECT: *"NEILO" IRRIGATION DEVELOPMENT*

TITLE: *BLOCK 2 RESERVOIR PUMP LAYOUT*

Datum: AMG/AHD +170m | Contour Int.: MJR_MNR_

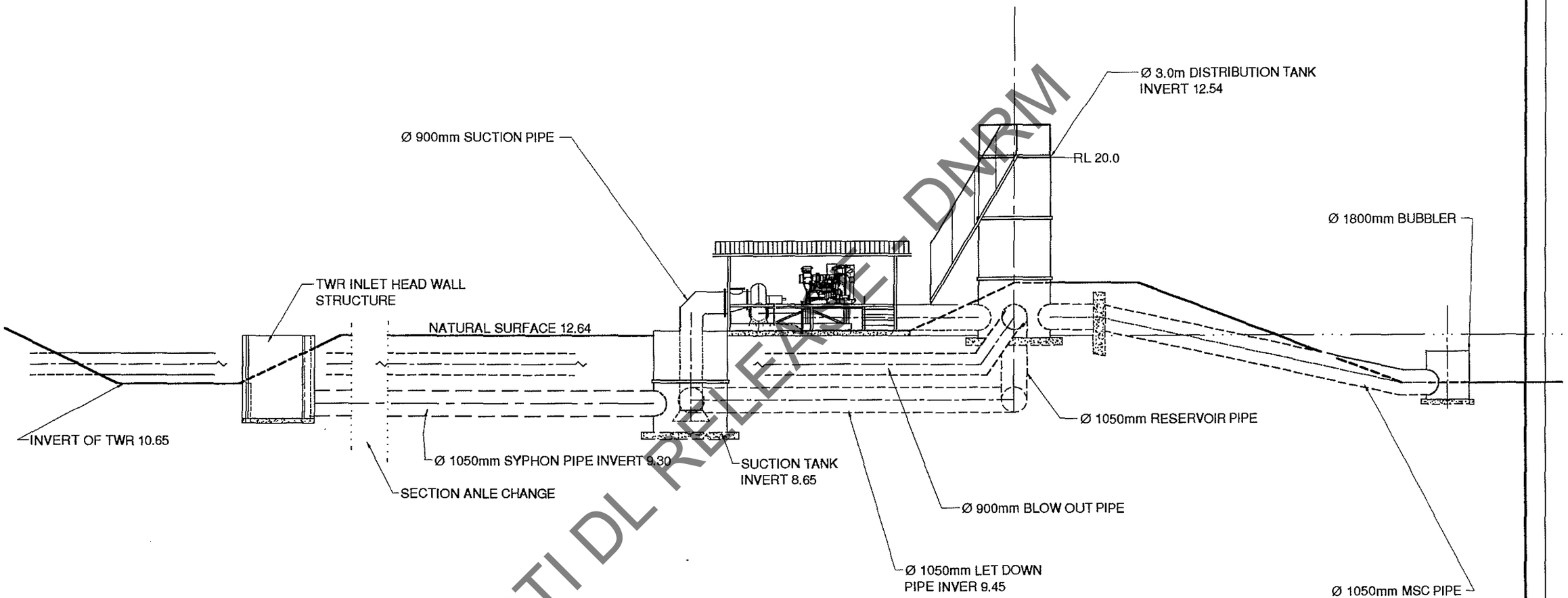
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Sheet Size: A3	Scale: NTS	Drawing No. 19249 - 100 - A
Designed: BEN BOMFORD	Date: 3/8/00	
Design Check:	Date: 15/11/00	
Drawn:	Date: 3/8/00	
Drawing Status:		APPROVAL
Approved:	Date:	

sch4p4(6) Personal information

sch4p4(6) Personal information

NOTES:
ALL CONCRETE IS N25 WITH 1 BAGE FIBRA STEEL PER CUBIC M3.
SLAB DEPTHS FOR TANKS IS 0.3m
CUTOFF TRENCHS ARE 0.5m THICK
ALL OTHER CONCRETE WORK IS 0.2m DEEP.



SECTION A - A

Scale Bar
Metres
0 1 2.5 10 20

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SUDHOLZ GOONDIWINDI
CONSULTING ENGINEERS
IRRIGATION DESIGN & CONSTRUCTION
CIVIL CONSTRUCTION & EARTHMOVING

CLIENT: *DB & KA COULTON*

PROJECT: *"NEILO" IRRIGATION DEVELOPMENT*

TITLE: *BLOCK 2*
RESERVOIR PUMP LAYOUT

Datum: AMG/AHD +170m | Contour Int.: MJR_MNR_

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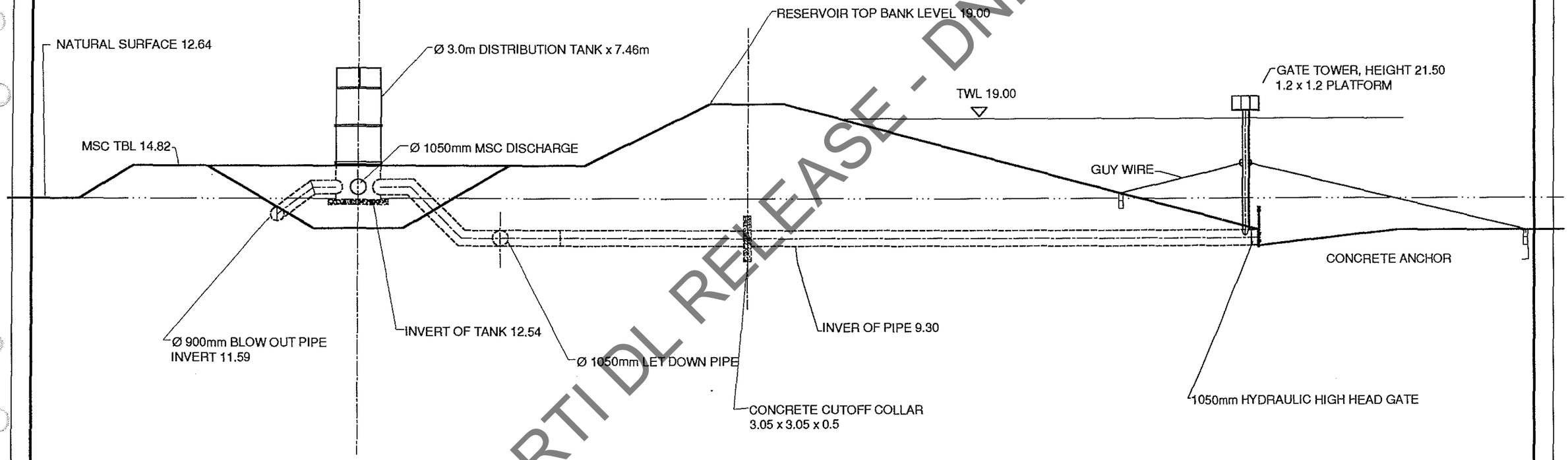
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Designed: BEN BOMFORD	Date: 3/8/00
Design Check:	Date: 3/8/00
Drawn: BEN BOMFORD	Date: 3/8/00
Drawing Check:	D
Approved:	D

Drawing No. 19249 - 101 - A

Status. APPROVAL

Sch4p4(6) Personal Information
Sch4p4(6) Personal Information

NOTE:
ALL CABLING & ASSOCIATED SUBMERSIBLE EQUIPMENT
IS HOT DIPPED GALVANISED COATED



SECTION B - B

Scale Bar
Metres
0 1 2.5 10 20

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Revision	Date	By	Description	Approved

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SUDHOLZ
CONSULTING ENGINEERS
IRRIGATION DESIGN & CONSTRUCTION
CIVIL CONSTRUCTION & EARTHMOVING

CLIENT: *DB & KA COULTON*

PROJECT: *"NEILO" IRRIGATION DEVELOPMENT*

TITLE: *BLOCK 2 RESERVOIR PUMP LAYOUT*

Datum: AMG/AHD +170m | Contour Int.: MJR_MNR_

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Design Check:	Date: 3/8/00
Drawn: BEN BOMFORD	Date: 3/8/00
Drawing Chk:	Date:
Approved:	Date:

Drawing No. 19249 - 102 - A

APPROVAL

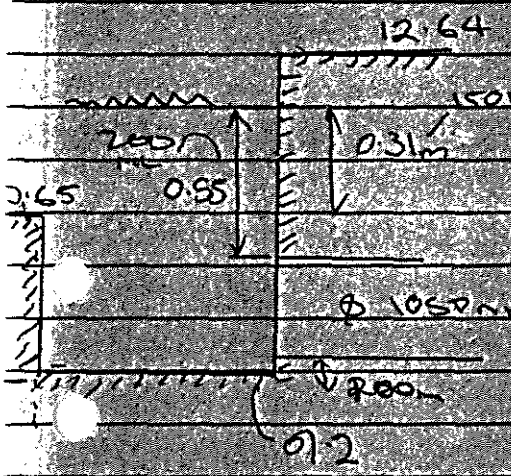
sch4p4(6) Personal information

Nkulo Sylvia Design block 2

TWR INLET:

Maximum pump rate = 170 ML/day

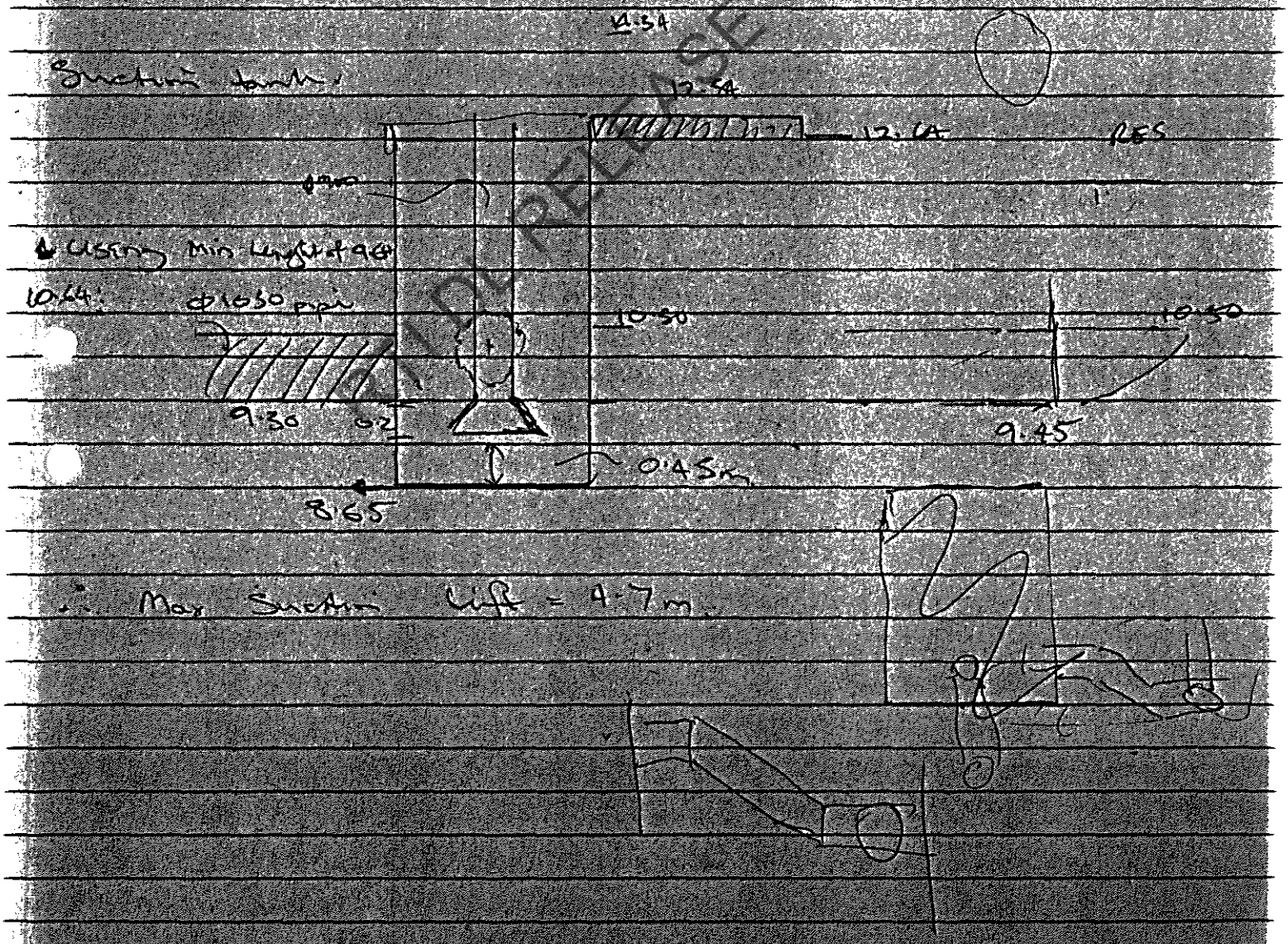
Length = 12.89 + 1.13 = 14m



Between invert of Channel and crest of pipe = 0.30m.

∴ Silt level of 1.55

Invert of pipe = 9.30



∴ Max Suction Lift = 9.7m

Collection one HH 13-063 167 of 247

DHOLZ PTY. LTD.
A.C.N. 009 989 968
4 LAGOON STREET
)ONDIWINDI, Q[redacted]

FAXED

EARTHMOVING & CONSTRUCTION SUDHOLZ GOONDIWINDI

OFFICE: PHONE (07) 4671 1044
WORKSHOP: PHONE (07) 4671 2484
FAX: (07) 4671 2022
P.O. BOX 883

EPS

ATTN: David Smith

OFFICIAL ORDER
45353
PLEASE QUOTE ORDER NUMBER ON ALL INVOICES

DATE 10/8/00

EASE SUPPLY THE FOLLOWING GOODS —

ity.	Part No.	Replaced By	DESCRIPTION	Job No.	Price
1			3406TA 440 hp	20009	
1			ISOLATION SWITCH		
1			WATER FLOW SAFETY		
1	1N3970		ACCESSORY drive		

PATCH PER Delivery of Engine to DPS.
DPS will be ~~[illegible]~~ booking for Engine in Nov.

RTI DL RELEASE - DNRM

HOLZ PTY. LTD.
sch4p4(6) Personal information

OFFICE USE ALLOCATION
DESCRIPTION:

CODE: (GL/JOB) 20009 — M.

S TAX:
oy quote Sales Tax Registration Number .....
of person authorised to quote .....
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DHOLZ PTY. LTD.
A.C.N. 009 989 968
4 LAGOON STREET
)ONDIWINDI, Q. 4390

EARTHMOVING & CONSTRUCTION SUDHOLZ GOONDIWINDI

OFFICE: PHONE (07) 4671 1044
WORKSHOP: PHONE (07) 4671 2484
FAX: (07) 4671 2022
P.O. BOX 883

MAJOR METALS
RON
FAXED

OFFICIAL ORDER
45355
PLEASE QUOTE ORDER NUMBER ON ALL INVOICES

DATE 10/8/00

EASE SUPPLY THE FOLLOWING GOODS —

ty.	Part No.	Replaced By	DESCRIPTION	Job No.	Price
1	SC Pipe		Ø1050mm x 8mm x 16m	20009	
			paint in + out		
1	tphow Pipe		Ø1050 x 8mm x 14m	20009	
			paint in + out		
1	- down Pipe		Ø1050 x 8mm x 21.5m	20009	
			paint in + out		
2	pipe		Ø1050 x 8mm x 77.50m	20009	
			paint in + out		
1	w out		Ø900 x 8m x 60m.		
			paint in + out.	20009.	

.11 with lifting Legs.
PATCH PER Delivery of pipe to Neils, Talwood.
Despatch till 16th December
Please Advise me on dispatch.

OFFICE USE ALLOCATION
DESCRIPTION:
CODE: (GL/JOB) 20009 — m

~~HOLZ PTY. LTD.~~
sch4p4(6) Personal information

S TAX:
by quote Sales Tax Registration Number .....
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DHOLZ PTY. LTD.
A.C.N. 009 989 968
4 LAGOON STREET
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EARTHMOVING & CONSTRUCTION SUDHOLZ GOONDIWINDI

OFFICE: PHONE (07) 4671 1044
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FAX: (07) 4671 2022
P.O. BOX 883

MAJOR METALS
RON FAXED

OFFICIAL ORDER
45354
PLEASE QUOTE ORDER NUMBER ON ALL INVOICES

DATE 10/8/00

EASE SUPPLY THE FOLLOWING GOODS —

ty.	Part No.	Replaced By	DESCRIPTION	Job No.	Price
	Suction Tank:		Ø3.0 x 10mm x 4.2m		
			Include floor 10mm.		
			+ 1 x 125 x 75 Strengther		
			ring.		
	Dist	Tank:	Ø3.0 x 10mm x 7.5m.		
			Include floor 10mm.		
			+ 2 x 125 x 75 Strengther		
			ring.		

'ATCH PER Delivery of tank late December
Dispatch to Suckholz Yard.
Please Advise me on dispatch.

HOLZ PTY. LTD.
sch4p4(6) Personal information

OFFICE USE ALLOCATION
DESCRIPTION:

CODE: (GL/JOB) 20009 – M.

S TAX:
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RTI DI RELEASE - DNRM

'DHOLZ PTY. LTD.
A.C.N. 009 989 968
4 LAGOON STREET
)ONDIWINDI, Q. 4390

EARTHMOVING & CONSTRUCTION SUDHOLZ GOONDIWINDI

OFFICE: PHONE (07) 4671 1044
WORKSHOP: PHONE (07) 4671 2484
FAX: (07) 4671 2022
P.O. BOX 883

OPS FAXED

TEN: GLEN McCAM

FAX 38681330

OFFICIAL ORDER
45351
PLEASE QUOTE ORDER NUMBER ON ALL INVOICES

DATE 10/8/00

EASE SUPPLY THE FOLLOWING GOODS —

)ty.	Part No.	Replaced By	DESCRIPTION	Job No.	Price
			1x26 HBC30 pumpset	20009	
			including, Premi		
			Eccentric, Check		
			valve, bend gearbox		
			etc.		
			Note Suction $900		
			Delivery $1050		
			Engine to be delivered from EPS		
	CAT 3406 TA		440 hp.		

PATCH PER Delivery of pump unit complete to Sudholz Hotel despatch until late December. Despatch Mann's transport.

HOLZ PTY LTD
sch4p4(6) Personal information

OFFICE USE ALLOCATION
DESCRIPTION:

CODE: (GL/JOB) 20009 – M.

S TAX:
by quote Sales Tax Registration Number .....
of person authorised to quote .....
:ure of person authorised to quote .....
.....

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A.C.N. 009 989 968
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EARTHMOVING & CONSTRUCTION SUDHOLZ GOONDIWINDI

OFFICE: PHONE (07) 4671 1044
WORKSHOP: PHONE (07) 4671 2484
FAX: (07) 4671 2022
P.O. BOX 883

OPS FAXED

ITEM: GLEN

FAX 38681330

OFFICIAL ORDER
45352
PLEASE QUOTE ORDER NUMBER ON ALL INVOICES

DATE 10/8/00

EASE SUPPLY THE FOLLOWING GOODS —

)ty.	Part No.	Replaced By	DESCRIPTION	Job No.	Price
)	x		26 HBC30 pump unit	20009	

PATCH PER Delivery of pump units to Sudholz
Please hold dispatch until late December
Despatch Manns transport

RTI DE RELEASE - DNRM

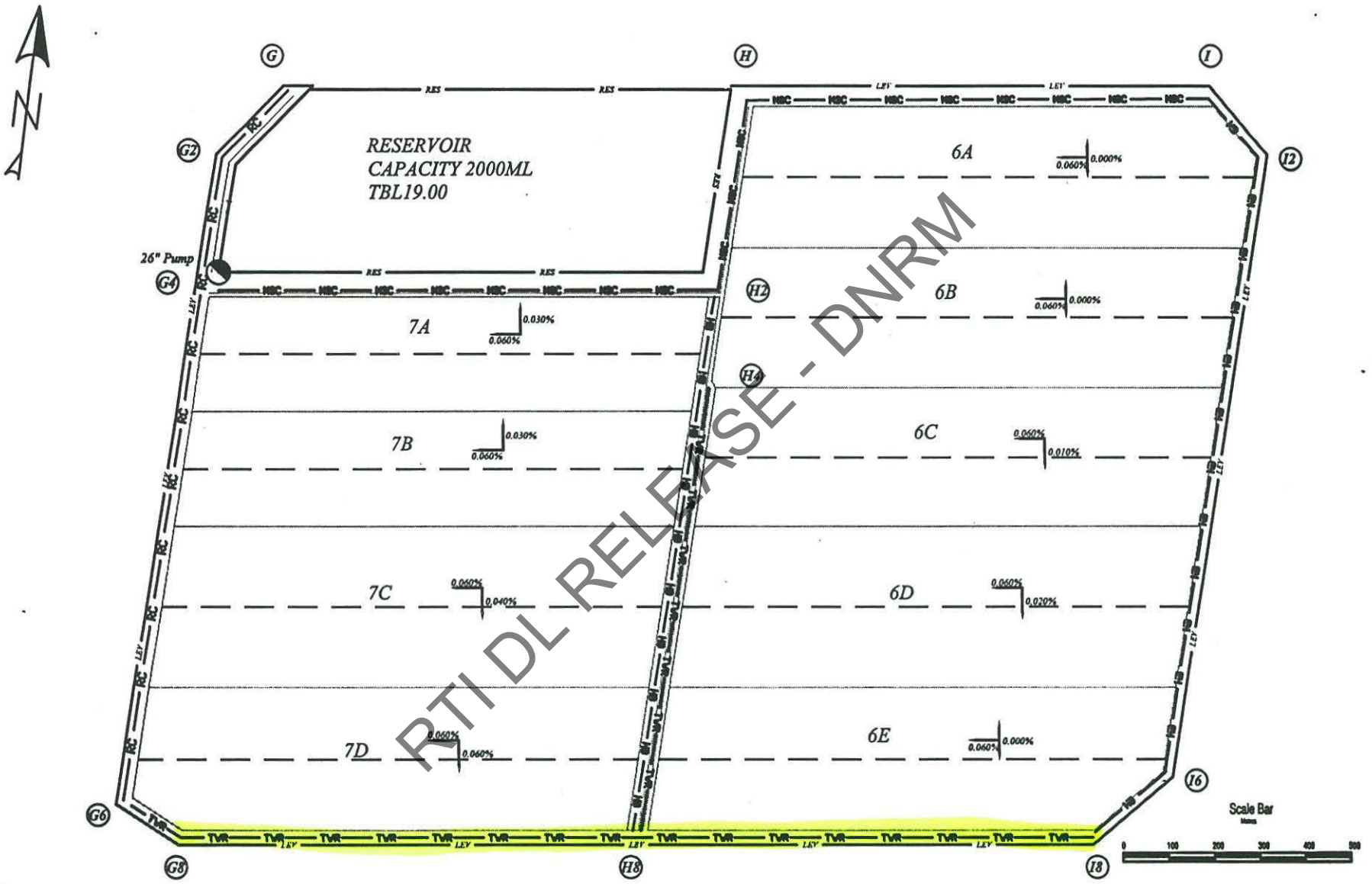
HOLZ PTY. LTD.

sch4p4(6) Personal information

OFFICE USE ALLOCATION
DESCRIPTION:

CODE: (GL/JOB) 20009 – m

S TAX:
)y quote Sales Tax Registration Number .....
of person authorised to quote .....
ure of person authorised to quote .....
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Revision	Date	By	Description	Approved
B	04.09.08	TFS	New layout	

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SUDHOLZ
GOONDIWINDI
CONSULTING ENGINEERS
IRRIGATION DESIGN & CONSTRUCTION
CIVIL CONSTRUCTION & EARTHMOVING

CLIENT: *DB & KA COULTON*

PROJECT: *"NEILO" IRRIGATION DEVELOPMENT*

TITLE: *BLOCK 2 LAYOUT*

Datum: AMG/AHD +170m | Contour Int.: MJR _ MNR _

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Drawn: TFS | Date: 06.08.08
Drawing Check: | Date:
Approved: | Date:

Drawing No. 19249 - 41 - B

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1473 of 2477

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IRRIGATION DESIGN

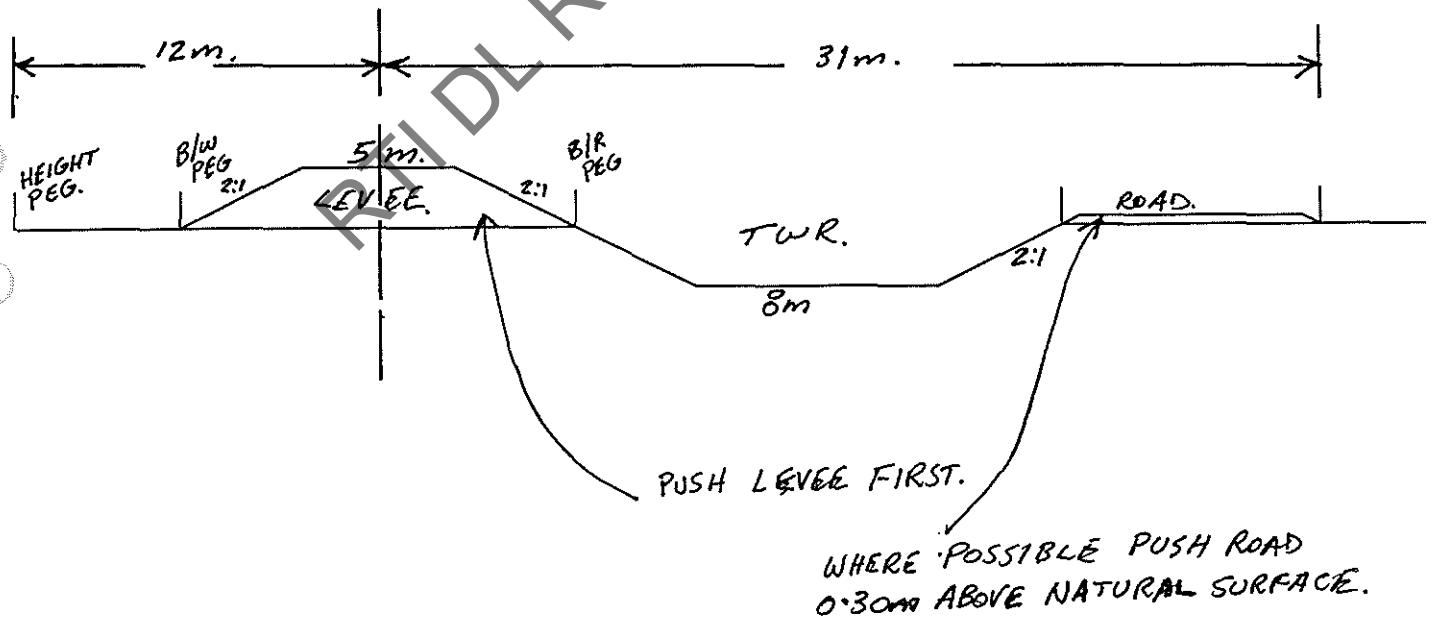
Client: NEILO
Field: Levee J8 - G8
Design: 1
Date: 27/7/100

NEILLJ8G.DDN * * SUMMARY OF INFORMATION * *

TYPE OF WORKS	BANK
CONSTUCT ON	NATURAL SURFACE
START	POINT 82 (43.24,0.20)
FINISH	POINT 125 (3.24,0.20)
CORNERS	(31.04,0.20) (15.84,0.20)
LENGTH OF WORKS	2000 Metres
WIDTH BANK	5.00 Metres
HEIGHT POINT 82	2.08 Metres
COMPACTION FACTOR	0 %
INSIDE BATTER	1 : 2.0
OUTSIDE BATTER	1 : 2.0
GRADE OF BANK	-0.025 %
VOLUME OF FILL	39946 Cubic Metres
VOLUME OF CUT	0 Cubic Metres

RTI DL RELEASE - DNRM

BANK 0.025 %
--->
82 ========== 125



Client: NEILO
Field: Levee J8 - G8
Design: 1
Date: 27/7/100

BANK INDIVIDUAL POINTS CONSTUCT ON NATURAL SURFACE

AT NATURAL SURFACE							BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES	DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
82	3808	12.92	****	13.32	13.32	6.66 6.66	****	****	****	0	2.08	15.00	400	400
83	3850	12.90	****	13.36	13.36	6.68 6.68	****	****	****	0	2.09	14.99	882	1282
84	3900	12.89	****	13.35	13.35	6.67 6.67	****	****	****	0	2.09	14.98	957	2240
85	3950	12.89	****	13.30	13.30	6.65 6.65	****	****	****	0	2.07	14.96	949	3189
86	4000	12.89	****	13.25	13.25	6.62 6.62	****	****	****	0	2.06	14.95	941	4129
87	4050	12.89	****	13.20	13.20	6.60 6.60	****	****	****	0	2.05	14.94	932	5062
88	4100	12.85	****	13.31	13.31	6.65 6.65	****	****	****	0	2.08	14.93	951	6012
89	4150	12.84	****	13.30	13.30	6.65 6.65	****	****	****	0	2.07	14.91	949	6961
90	4200	12.85	****	13.21	13.21	6.60 6.60	****	****	****	0	2.05	14.90	934	7895
91	4250	12.85	****	13.16	13.16	6.58 6.58	****	****	****	0	2.04	14.89	926	8821
92	4300	12.83	****	13.19	13.19	6.59 6.59	****	****	****	0	2.05	14.88	931	9752
93	4350	12.78	****	13.34	13.34	6.67 6.67	****	****	****	0	2.08	14.86	956	10708
94	4400	12.73	****	13.49	13.49	6.74 6.74	****	****	****	0	2.12	14.85	667	11375
95	4418	12.72	****	13.51	13.51	6.75 6.75	****	****	****	0	2.13	14.85	492	11867
96	4450	12.74	****	13.40	13.40	6.70 6.70	****	****	****	0	2.10	14.84	792	12659
97	4500	12.75	****	13.31	13.31	6.65 6.65	****	****	****	0	2.08	14.83	951	13609
98	4550	12.73	****	13.34	13.34	6.67 6.67	****	****	****	0	2.08	14.81	956	14565
99	4600	12.71	****	13.37	13.37	6.68 6.68	****	****	****	0	2.09	14.80	961	15526
100	4650	12.68	****	13.44	13.44	6.72 6.72	****	****	****	0	2.11	14.79	972	16498
101	4700	12.69	****	13.35	13.35	6.67 6.67	****	****	****	0	2.09	14.78	957	17455
102	4750	12.69	****	13.30	13.30	6.65 6.65	****	****	****	0	2.07	14.76	949	18404
103	4800	12.67	****	13.33	13.33	6.66 6.66	****	****	****	0	2.08	14.75	954	19358
104	4850	12.65	****	13.36	13.36	6.68 6.68	****	****	****	0	2.09	14.74	959	20317
105	4900	12.67	****	13.23	13.23	6.61 6.61	****	****	****	0	2.06	14.73	937	21255
106	4950	12.66	****	13.22	13.22	6.61 6.61	****	****	****	0	2.05	14.71	936	22190

RTI DL RELEASE - DNRM

107	5000	12.63	****	13.29	13.29	6.64	6.64	****	****	****	0	2.07	14.70	947	23138
108	5050	12.60	****	13.36	13.36	6.68	6.68	****	****	****	0	2.09	14.69	959	24097
109	5100	12.55	****	13.51	13.51	6.75	6.75	****	****	****	0	2.13	14.68	984	25081
110	5150	12.44	****	13.90	13.90	6.95	6.95	****	****	****	0	2.22	14.66	820	25901
111	5178	12.31	****	14.39	14.39	7.19	7.19	****	****	****	0	2.35	14.66	569	26469
112	5200	12.25	****	14.61	14.61	7.30	7.30	****	****	****	0	2.40	14.65	848	27317
113	5250	12.13	****	15.04	15.04	7.52	7.52	****	****	****	0	2.51	14.64	1257	28574
114	5300	12.21	****	14.67	14.67	7.33	7.33	****	****	****	0	2.42	14.63	1188	29763
115	5350	12.31	****	14.22	14.22	7.11	7.11	****	****	****	0	2.30	14.61	1107	30870
116	5400	12.35	****	14.01	14.01	7.00	7.00	****	****	****	0	2.25	14.60	1070	31940
117	5450	12.37	****	13.88	13.88	6.94	6.94	****	****	****	0	2.22	14.59	1047	32988
118	5500	12.39	****	13.75	13.75	6.87	6.87	****	****	****	0	2.19	14.58	1025	34013
119	5550	12.37	****	13.78	13.78	6.89	6.89	****	****	****	0	2.19	14.56	1030	35043
120	5600	12.37	****	13.73	13.73	6.86	6.86	****	****	****	0	2.18	14.55	1022	36065
121	5650	12.34	****	13.80	13.80	6.90	6.90	****	****	****	0	2.20	14.54	1034	37098
122	5700	12.28	****	13.99	13.99	6.99	6.99	****	****	****	0	2.25	14.53	1067	38165
123	5750	12.27	****	13.98	13.98	6.99	6.99	****	****	****	0	2.24	14.51	1065	39230
124	5800	12.23	****	14.09	14.09	7.04	7.04	****	****	****	0	2.27	14.50	629	39859
125	5808	12.22	****	14.12	14.12	7.06	7.06	****	****	****	0	2.28	14.50	87	39946

G8

RTI DL RELEASE - DNRM

SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: NEILO
Field: Levee G8 - G6
Design: 1
Date: 27/7/100

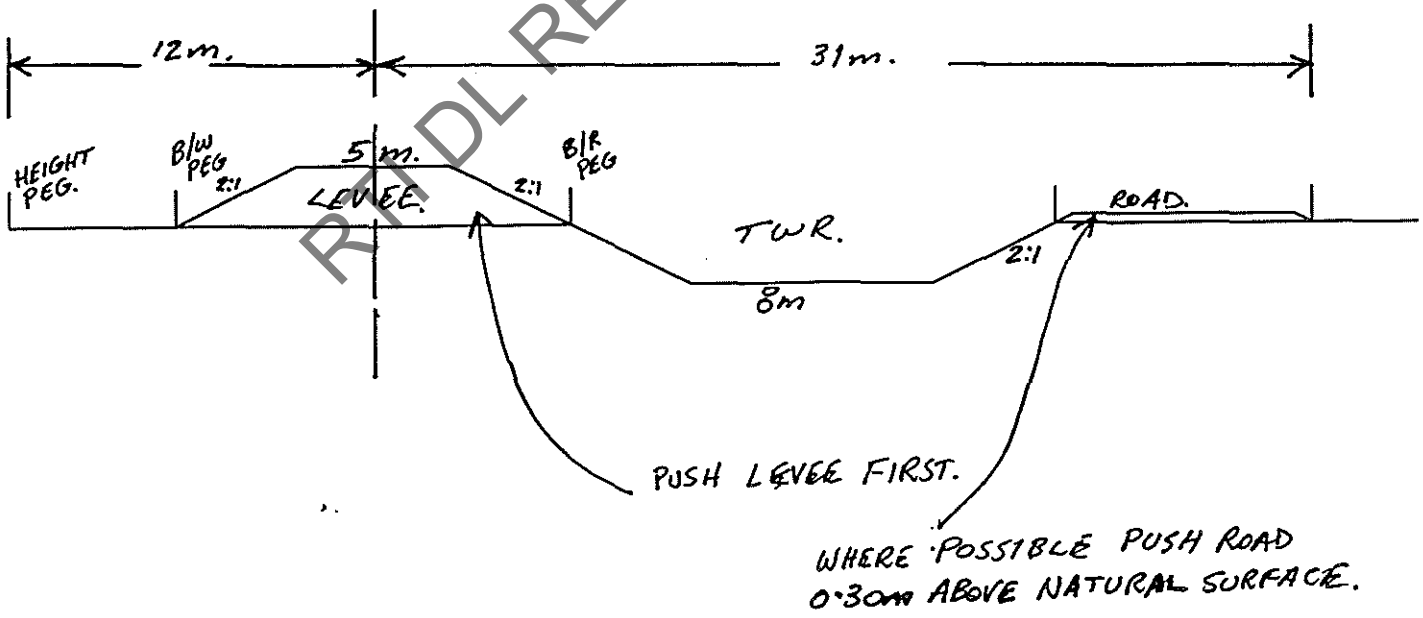
NEILLG8G.DDN. * * SUMMARY OF INFORMATION * *

TYPE OF WORKS	BANK
CONSTUCT ON	NATURAL SURFACE
START	POINT 125 (3.24,0.20)
FINISH	POINT 129 (0.53,1.98)
LENGTH OF WORKS	162 Metres
WIDTH BANK	5.00 Metres
HEIGHT POINT 125	2.28 Metres
COMPACTION FACTOR	0 %
INSIDE BATTER	1 : 2.0
OUTSIDE BATTER	1 : 2.0
GRADE OF BANK	+0.000 %
VOLUME OF FILL	3557 Cubic Metres
VOLUME OF CUT	0 Cubic Metres

RTI DL RELEASE - DNRM

BANK 0.000 %

125 ========== 129



SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: NEILO
Field: Levee G8 - G6
Design: 1
Date: 27/7/100

BANK INDIVIDUAL POINTS CONSTUCT ON NATURAL SURFACE

AT NATURAL SURFACE							BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES	DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
G8 125	5808	12.22	****	14.12	14.12	7.06 7.06	****	****	****	0	2:28	14.50	458	458
126	5850	12.21	****	14.16	14.16	7.08 7.08	****	****	****	0	2.29	14.50	1009	1467
127	5900	12.22	****	14.12	14.12	7.06 7.06	****	****	****	0	2.28	14.50	1090	2557
128	5950	12.19	****	14.24	14.24	7.12 7.12	****	****	****	0	2.31	14.50	778	3335
G6 129	5970	12.19	****	14.24	14.24	7.12 7.12	****	****	****	0	2.31	14.50	222	3557

RTI DL RELEASE - DNRM

SUDHOLZ PTY LTD
IRRIGATION DESIGN

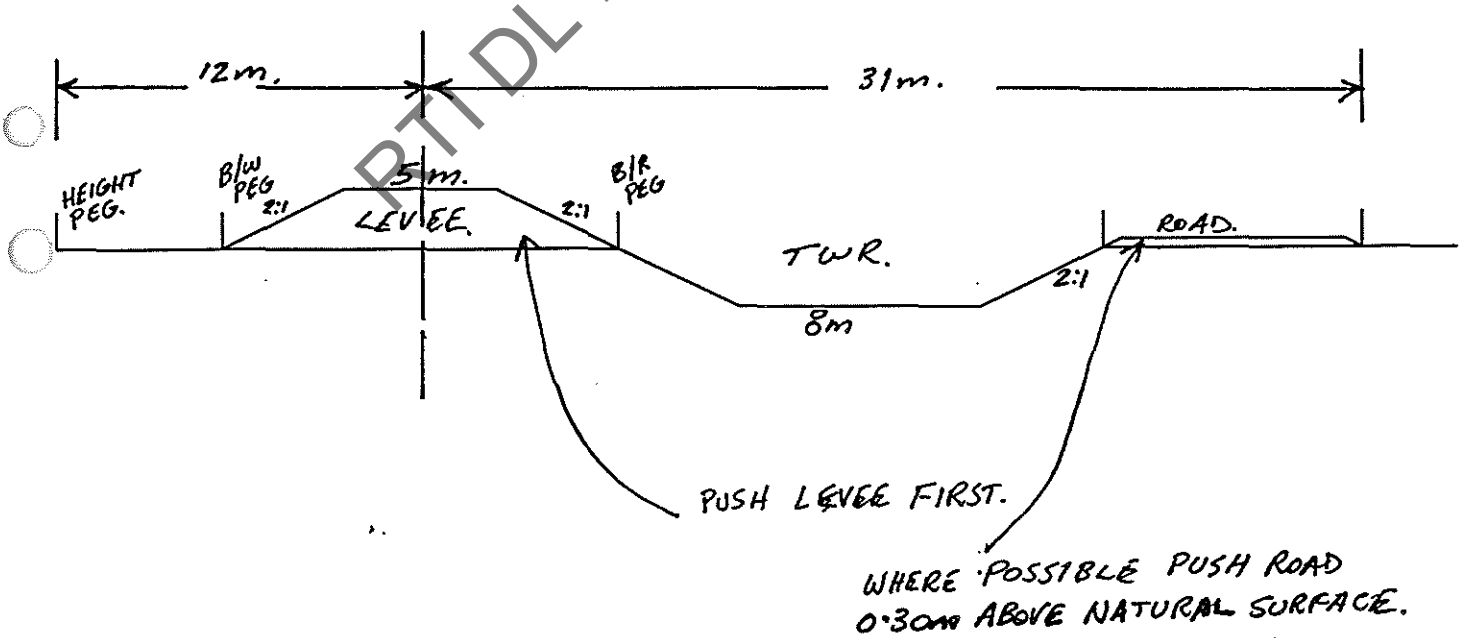
Client: NEILO
Field: TWR J8-H8-G8-G6
Design: 1
Date: 27/7/100

NEILTJ8G.DDN. * * SUMMARY OF INFORMATION * *

TYPE OF WORKS	DRAIN
CONSTUCT ON	NATURAL SURFACE
START	POINT 82 (43.24,0.20)
FINISH	POINT 129 (0.53,1.98)
CORNERS	(31.04,0.20) (15.84,0.20) (3.24,0.20)
LENGTH OF WORKS	2162 Metres
GRADE OF BEST FIT	-0.037 %
WIDTH BED	8.00 Metres
DEPTH POINT 82	1.60 Metres
INSIDE BATTER	1 : 2.0
OUTSIDE BATTER	1 : 2.0
GRADE OF BED	-0.050 %
VOLUME OF CUT	45012 Cubic Metres

RTI DL RELEASE - DNRM

82 ========== 129
----->
BED 0.050 %



SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: NEILO
Field: TWR J8-H8-G8-G6
Design: 1
Date: 27/7/100

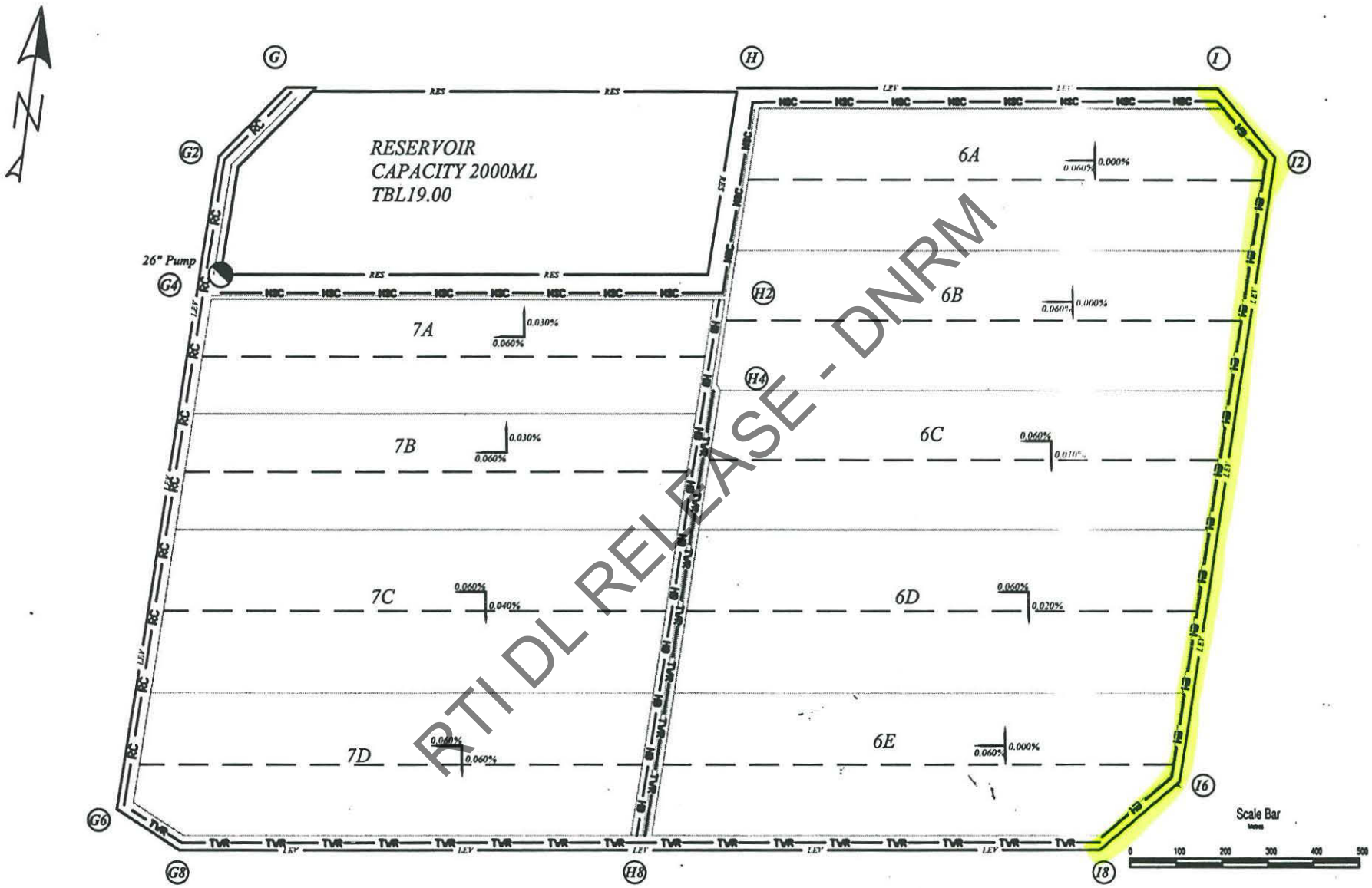
DRAIN INDIVIDUAL POINTS CONSTUCT ON NATURAL SURFACE

AT NATURAL SURFACE								BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES		DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
82	3808	12.92	14.40	****	14.40	7.20	7.20	1.60	11.32	376	376	****	****	****	0
83	3850	12.90	14.40	****	14.40	7.20	7.20	1.60	11.30	825	1201	****	****	****	0
84	3900	12.89	14.46	****	14.46	7.23	7.23	1.62	11.27	908	2109	****	****	****	0
85	3950	12.89	14.56	****	14.56	7.28	7.28	1.64	11.25	926	3035	****	****	****	0
86	4000	12.89	14.66	****	14.66	7.33	7.33	1.67	11.22	944	3978	****	****	****	0
87	4050	12.89	14.76	****	14.76	7.38	7.38	1.69	11.20	962	4941	****	****	****	0
88	4100	12.85	14.70	****	14.70	7.35	7.35	1.68	11.17	951	5892	****	****	****	0
89	4150	12.84	14.76	****	14.76	7.38	7.38	1.69	11.15	962	6854	****	****	****	0
90	4200	12.85	14.90	****	14.90	7.45	7.45	1.73	11.12	988	7843	****	****	****	0
91	4250	12.85	15.00	****	15.00	7.50	7.50	1.75	11.10	1007	8850	****	****	****	0
92	4300	12.83	15.02	****	15.02	7.51	7.51	1.76	11.07	1011	9861	****	****	****	0
93	4350	12.78	14.92	****	14.92	7.46	7.46	1.73	11.05	992	10853	****	****	****	0
94	4400	12.73	14.82	****	14.82	7.41	7.41	1.71	11.02	662	11515	****	****	****	0
95	4418	12.72	14.82	****	14.82	7.41	7.41	1.71	11.01	486	12001	****	****	****	0
96	4450	12.74	14.96	****	14.96	7.48	7.48	1.74	11.00	820	12820	****	****	****	0
97	4500	12.75	15.10	****	15.10	7.55	7.55	1.78	10.97	1026	13846	****	****	****	0
98	4550	12.73	15.12	****	15.12	7.56	7.56	1.78	10.95	1030	14876	****	****	****	0
99	4600	12.71	15.14	****	15.14	7.57	7.57	1.79	10.92	1033	15909	****	****	****	0
100	4650	12.68	15.12	****	15.12	7.56	7.56	1.78	10.90	1030	16939	****	****	****	0
101	4700	12.69	15.26	****	15.26	7.63	7.63	1.82	10.87	1056	17995	****	****	****	0
102	4750	12.69	15.36	****	15.36	7.68	7.68	1.84	10.85	1075	19070	****	****	****	0
103	4800	12.67	15.38	****	15.38	7.69	7.69	1.85	10.82	1079	20150	****	****	****	0
104	4850	12.65	15.40	****	15.40	7.70	7.70	1.85	10.80	1083	21233	****	****	****	0
105	4900	12.67	15.58	****	15.58	7.79	7.79	1.90	10.77	1118	22350	****	****	****	0
106	4950	12.66	15.64	****	15.64	7.82	7.82	1.91	10.75	1130	23480	****	****	****	0

RTI DL RELEASE - DNRM

107	5000	12.63	15.62	****	15.62	7.81	7.81	1.91	10.72	1126	24606	****	****	****	0
108	5050	12.60	15.60	****	15.60	7.80	7.80	1.90	10.70	1122	25728	****	****	****	0
109	5100	12.55	15.50	****	15.50	7.75	7.75	1.88	10.67	1102	26830	****	****	****	0
110	5150	12.44	15.16	****	15.16	7.58	7.58	1.79	10.65	809	27639	****	****	****	0
111	5178	12.31	14.70	****	14.70	7.35	7.35	1.68	10.63	475	28114	****	****	****	0
112	5200	12.25	14.50	****	14.50	7.25	7.25	1.63	10.62	659	28773	****	****	****	0
113	5250	12.13	14.12	****	14.12	7.06	7.06	1.53	10.60	847	29620	****	****	****	0
114	5300	12.21	14.54	****	14.54	7.27	7.27	1.64	10.57	922	30542	****	****	****	0
115	5350	12.31	15.04	****	15.04	7.52	7.52	1.76	10.55	1015	31556	****	****	****	0
116	5400	12.35	15.30	****	15.30	7.65	7.65	1.83	10.52	1064	32620	****	****	****	0
117	5450	12.37	15.48	****	15.48	7.74	7.74	1.87	10.50	1098	33718	****	****	****	0
118	5500	12.39	15.66	****	15.66	7.83	7.83	1.92	10.47	1134	34852	****	****	****	0
119	5550	12.37	15.68	****	15.68	7.84	7.84	1.92	10.45	1137	35989	****	****	****	0
120	5600	12.37	15.78	****	15.78	7.89	7.89	1.95	10.42	1157	37146	****	****	****	0
121	5650	12.34	15.76	****	15.76	7.88	7.88	1.94	10.40	1153	38300	****	****	****	0
122	5700	12.28	15.62	****	15.62	7.81	7.81	1.91	10.37	1126	39425	****	****	****	0
123	5750	12.27	15.68	****	15.68	7.84	7.84	1.92	10.35	1137	40563	****	****	****	0
124	5800	12.23	15.62	****	15.62	7.81	7.81	1.91	10.32	653	41216	****	****	****	0
125	5808	12.22	15.60	****	15.60	7.80	7.80	1.90	10.32	561	41776	****	****	****	0
126	5850	12.21	15.64	****	15.64	7.82	7.82	1.91	10.30	1039	42815	****	****	****	0
127	5900	12.22	15.78	****	15.78	7.89	7.89	1.95	10.27	1157	43972	****	****	****	0
128	5950	12.19	15.76	****	15.76	7.88	7.88	1.94	10.25	807	44780	****	****	****	0
129	5970	12.19	15.80	****	15.80	7.90	7.90	1.95	10.24	232	45012	****	****	****	0

RTI DL RELEASE - DNRM



RTI DL RELEASE - DNRM

Revision	Date	By	Description	Approved
B	06.09.00	TFS	New layout	

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ABN 25 215 374 671
PH: (07) 46711 844
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WebPage: www.sudholz.com.au

SUDHOLZ
GOONDIWINDI
CONSULTING ENGINEERS
IRRIGATION DESIGN & CONSTRUCTION
CIVIL CONSTRUCTION & EARTHMOVING

CLIENT: *DB & KA COULTON*

PROJECT: *"NEILO" IRRIGATION DEVELOPMENT*

TITLE: *BLOCK 2 LAYOUT*

Datum: AMG/AHD +170m | Contour Int : MJR _ MNR _

REFER ANY DISCREPANCIES TO ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION
DO NOT SCALE FROM THIS DRAWING, USE DIMENSIONS WHERE MARKED

Sheet Size: A4 | Scale: 1:12500

Designed: TFS | Date: 06.09.00

Design Check: | Date:

Drawn: TFS | Date: 06.09.00

Drawing Check: | Date:

Approved: | Date:

Drawing No. 19249 - 41 - B

Status. APPROVAL

Collection 006 RTI 15-003 182 of 247

SUDHOLZ PTY LTD
IRRIGATION DESIGN

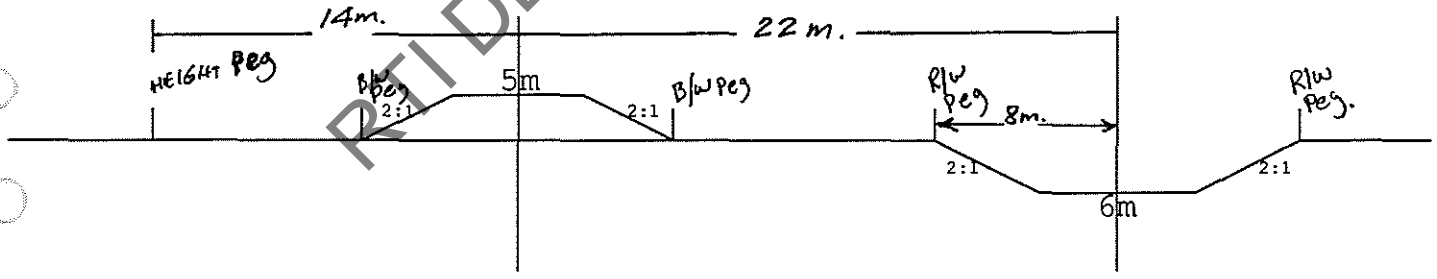
Client: NEILO
Field: Levee I - I8
Design: 1
Date: 27/7/100

NEILL I18.DDN. * * SUMMARY OF INFORMATION * *

TYPE OF WORKS	BANK
CONSTUCT ON	NATURAL SURFACE
START	POINT 43 (48.59,32.97)
FINISH	POINT 82 (43.24,0.20)
CORNERS	(51.10,30.01) (46.72,3.16)
LENGTH OF WORKS	1783 Metres
WIDTH BANK	5.00 Metres
HEIGHT POINT 43	1.72 Metres
COMPACTION FACTOR	0 %
INSIDE BATTER	1 : 2.0
OUTSIDE BATTER	1 : 2.0
GRADE OF BANK	+0.000 %
VOLUME OF FILL	28990 Cubic Metres
VOLUME OF CUT	0 Cubic Metres

BANK 0.000 %

43 ========== 82



RTI DL RELEASE - DNRM

SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: NEILO
Field: Levee I - I8
Design: 1
Date: 27/7/100

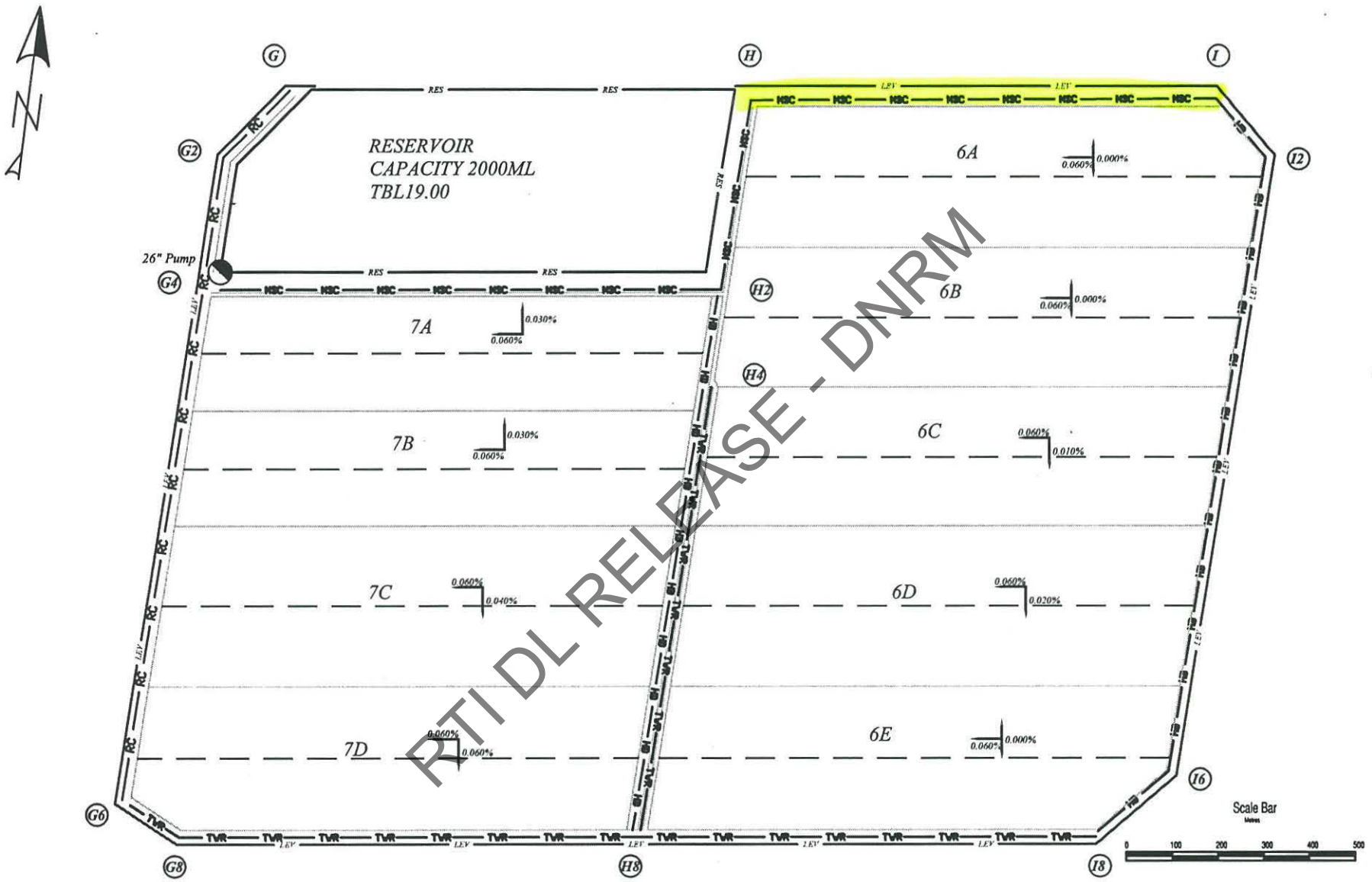
BANK INDIVIDUAL POINTS CONSTUCT ON NATURAL SURFACE

AT NATURAL SURFACE							BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES	DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
43	2025	13.28	****	11.88	11.88	5.94 5.94	****	****	****	0	1.72	15.00	181	181
44	2050	13.27	****	11.92	11.92	5.96 5.96	****	****	****	0	1.73	15.00	549	730
45	2100	13.23	****	12.08	12.08	6.04 6.04	****	****	****	0	1.77	15.00	756	1486
46	2150	13.25	****	12.00	12.00	6.00 6.00	****	****	****	0	1.75	15.00	744	2230
47	2200	13.29	****	11.84	11.84	5.92 5.92	****	****	****	0	1.71	15.00	497	2727
48	2219	13.31	****	11.76	11.76	5.88 5.88	****	****	****	0	1.69	15.00	354	3081
49	2250	13.34	****	11.64	11.64	5.82 5.82	****	****	****	0	1.66	15.00	559	3640
50	2300	13.34	****	11.64	11.64	5.82 5.82	****	****	****	0	1.66	15.00	691	4331
51	2350	13.34	****	11.64	11.64	5.82 5.82	****	****	****	0	1.66	15.00	691	5021
52	2400	13.31	****	11.76	11.76	5.88 5.88	****	****	****	0	1.69	15.00	708	5729
53	2450	13.28	****	11.88	11.88	5.94 5.94	****	****	****	0	1.72	15.00	726	6455
54	2500	13.22	****	12.12	12.12	6.06 6.06	****	****	****	0	1.78	15.00	762	7217
55	2550	13.19	****	12.24	12.24	6.12 6.12	****	****	****	0	1.81	15.00	780	7997
56	2600	13.15	****	12.40	12.40	6.20 6.20	****	****	****	0	1.85	15.00	805	8802
57	2650	13.16	****	12.36	12.36	6.18 6.18	****	****	****	0	1.84	15.00	799	9600
58	2700	13.16	****	12.36	12.36	6.18 6.18	****	****	****	0	1.84	15.00	799	10399
59	2750	13.16	****	12.36	12.36	6.18 6.18	****	****	****	0	1.84	15.00	799	11197
60	2800	13.25	****	12.00	12.00	6.00 6.00	****	****	****	0	1.75	15.00	744	11941
61	2850	13.28	****	11.88	11.88	5.94 5.94	****	****	****	0	1.72	15.00	726	12667
62	2900	13.19	****	12.24	12.24	6.12 6.12	****	****	****	0	1.81	15.00	780	13447
63	2950	13.11	****	12.56	12.56	6.28 6.28	****	****	****	0	1.89	15.00	830	14277
64	3000	13.08	****	12.68	12.68	6.34 6.34	****	****	****	0	1.92	15.00	849	15125
65	3050	13.06	****	12.76	12.76	6.38 6.38	****	****	****	0	1.94	15.00	861	15987
66	3100	13.06	****	12.76	12.76	6.38 6.38	****	****	****	0	1.94	15.00	861	16848
67	3150	13.09	****	12.64	12.64	6.32 6.32	****	****	****	0	1.91	15.00	842	17690

RTI DL RELEASE - DNRM

68	3200	13.05	****	12.80	12.80	6.40	6.40	****	****	****	0	1.95	15.00	868	18558
69	3250	13.03	****	12.88	12.88	6.44	6.44	****	****	****	0	1.97	15.00	881	19439
70	3300	13.04	****	12.84	12.84	6.42	6.42	****	****	****	0	1.96	15.00	874	20313
71	3350	13.03	****	12.88	12.88	6.44	6.44	****	****	****	0	1.97	15.00	881	21194
72	3400	13.02	****	12.92	12.92	6.46	6.46	****	****	****	0	1.98	15.00	887	22081
73	3450	13.04	****	12.84	12.84	6.42	6.42	****	****	****	0	1.96	15.00	874	22955
74	3500	13.05	****	12.80	12.80	6.40	6.40	****	****	****	0	1.95	15.00	868	23823
75	3550	13.00	****	13.00	13.00	6.50	6.50	****	****	****	0	2.00	15.00	711	24534
76	3579	13.01	****	12.96	12.96	6.48	6.48	****	****	****	0	1.99	15.00	447	24980
77	3600	13.00	****	13.00	13.00	6.50	6.50	****	****	****	0	2.00	15.00	639	25619
78	3650	13.01	****	12.96	12.96	6.48	6.48	****	****	****	0	1.99	15.00	894	26513
79	3700	12.97	****	13.12	13.12	6.56	6.56	****	****	****	0	2.03	15.00	920	27432
80	3750	12.95	****	13.20	13.20	6.60	6.60	****	****	****	0	2.05	15.00	933	28365
81	3800	12.93	****	13.28	13.28	6.64	6.64	****	****	****	0	2.07	15.00	549	28914
82	3808	12.92	****	13.32	13.32	6.66	6.66	****	****	****	0	2.08	15.00	76	28990

RTI DL RELEASE - DNRM



RTI DL RELEASE - DNRM

Revision	Date	By	Description	Approved
B	06.09.00	TFS	New layout	

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SUDHOLZ PTY. LTD.
34 LAGOON STREET
GOONDIWINDI 4390
ACN 009 989 968
ABN 25 215 374 871
PH: (07) 46711 944
FAX: (07) 46712 022
WebPage: www.sudholz.com.au

SUDHOLZ
GOONDIWINDI
CONSULTING ENGINEERS
IRRIGATION DESIGN & CONSTRUCTION
CIVIL CONSTRUCTION & EARTHMOVING

CLIENT: *DB & KA COULTON*

PROJECT: *"NEILO" IRRIGATION DEVELOPMENT*

TITLE: *BLOCK 2 LAYOUT*

Datum: AMG/AHD +170m | Contour Int.: MJR _ MNR _

REFER ANY DISCREPANCIES TO ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION
DO NOT SCALE FROM THIS DRAWING, USE DIMENSIONS WHERE MARKED

Sheet Size: A4 | Scale: 1:12500

Designed: TFS | Date: 06.09.00
Design Check: | Date:
Drawn: TFS | Date: 06.09.00
Drawing Check: | Date:
Approved: | Date:

Drawing No. 19249 - 41 - B

Status. APPROVAL

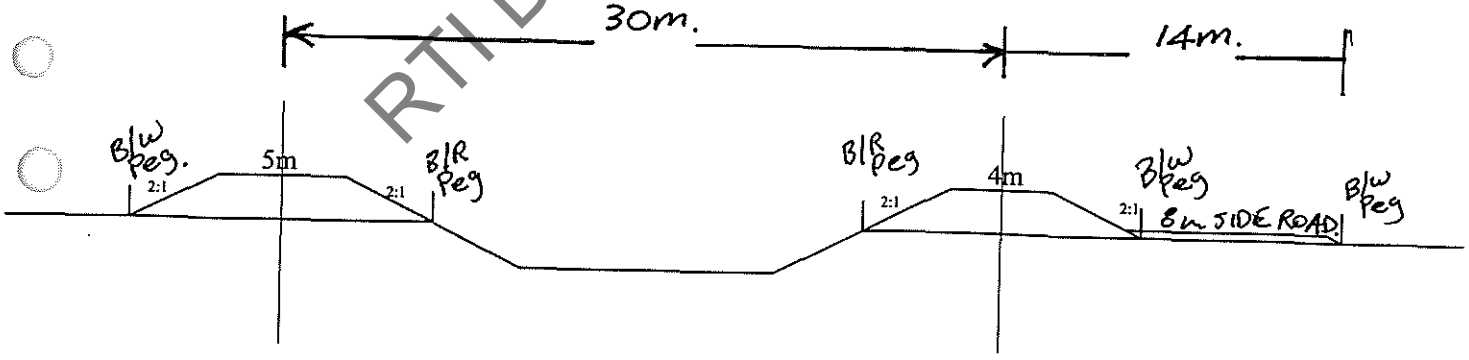
SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: neilo
Field: LEVEE H-I
Design: 1
Date: 27/7/100

NEILLHI.DDN. * * SUMMARY OF INFORMATION * *

TYPE OF WORKS	BANK
CONSTUCT ON	NATURAL SURFACE
START	POINT 32 (28.36,32.36)
FINISH	POINT 53 (48.57,32.42)
LENGTH OF WORKS	1011 Metres
WIDTH BANK	5.00 Metres
HEIGHT POINT 32	2.01 Metres
COMPACTION FACTOR	0 %
INSIDE BATTER	1 : 2.0
OUTSIDE BATTER	1 : 2.0
GRADE OF BANK	+0.025 %
VOLUME OF FILL	16275 Cubic Metres
VOLUME OF CUT	0 Cubic Metres

BANK 0.025 %
<---
32 ========== 53



RTI DL RELEASE - DNRM

SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: neilo
Field: LEVEE H-I
Design: 1
Date: 27/7/100

BANK INDIVIDUAL POINTS CONSTUCT ON NATURAL SURFACE

AT NATURAL SURFACE							BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES	DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
H32	1505	12.74	****	13.04	13.04	6.52 6.52	****	****	****	0	2.01	14.75	408	408
33	1550	12.79	****	12.88	12.88	6.44 6.44	****	****	****	0	1.97	14.76	837	1245
34	1600	12.84	****	12.73	12.73	6.37 6.37	****	****	****	0	1.93	14.77	857	2103
35	1650	12.88	****	12.62	12.62	6.31 6.31	****	****	****	0	1.91	14.79	840	2943
36	1700	12.92	****	12.51	12.51	6.26 6.26	****	****	****	0	1.88	14.80	823	3765
37	1750	12.92	****	12.56	12.56	6.28 6.28	****	****	****	0	1.89	14.81	830	4596
38	1800	12.89	****	12.73	12.73	6.37 6.37	****	****	****	0	1.93	14.82	857	5453
39	1850	12.89	****	12.78	12.78	6.39 6.39	****	****	****	0	1.95	14.84	865	6318
40	1900	12.94	****	12.63	12.63	6.32 6.32	****	****	****	0	1.91	14.85	842	7160
41	1950	12.98	****	12.52	12.52	6.26 6.26	****	****	****	0	1.88	14.86	824	7984
42	2000	13.03	****	12.37	12.37	6.19 6.19	****	****	****	0	1.84	14.87	801	8785
43	2050	13.07	****	12.26	12.26	6.13 6.13	****	****	****	0	1.82	14.89	784	9569
44	2100	13.09	****	12.23	12.23	6.12 6.12	****	****	****	0	1.81	14.90	779	10348
45	2150	13.14	****	12.08	12.08	6.04 6.04	****	****	****	0	1.77	14.91	757	11105
46	2200	13.15	****	12.09	12.09	6.05 6.05	****	****	****	0	1.77	14.92	758	11863
47	2250	13.16	****	12.10	12.10	6.05 6.05	****	****	****	0	1.78	14.94	760	12623
48	2300	13.16	****	12.15	12.15	6.08 6.08	****	****	****	0	1.79	14.95	767	13390
49	2350	13.17	****	12.16	12.16	6.08 6.08	****	****	****	0	1.79	14.96	769	14158
50	2400	13.20	****	12.09	12.09	6.05 6.05	****	****	****	0	1.77	14.97	758	14916
51	2450	13.22	****	12.06	12.06	6.03 6.03	****	****	****	0	1.77	14.99	754	15670
52	2500	13.26	****	11.95	11.95	5.98 5.98	****	****	****	0	1.74	15.00	486	16156
53	2516	13.26	****	11.97	11.97	5.99 5.99	****	****	****	0	1.74	15.00	118	16275

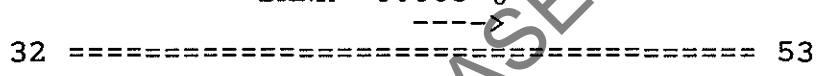
RTI DL RELEASE - DNRM

SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: neilo
Field: MSC BANK H-I
Design: 1
Date: 27/7/100

NEILMHI.DDN. * * SUMMARY OF INFORMATION * *

TYPE OF WORKS	BANK
CONSTUCT ON	NATURAL SURFACE
START	POINT 32 (28.36,32.36)
FINISH	POINT 53 (48.57,32.42)
LENGTH OF WORKS	1011 Metres
WIDTH BANK	4.00 Metres
HEIGHT POINT 32	2.01 Metres
COMPACTION FACTOR	0 %
INSIDE BATTER	1 : 2.0
OUTSIDE BATTER	1 : 2.0
GRADE OF BANK	-0.005 %
VOLUME OF FILL	12744 Cubic Metres
VOLUME OF CUT	0 Cubic Metres



RTI DL RELEASE - DNRM

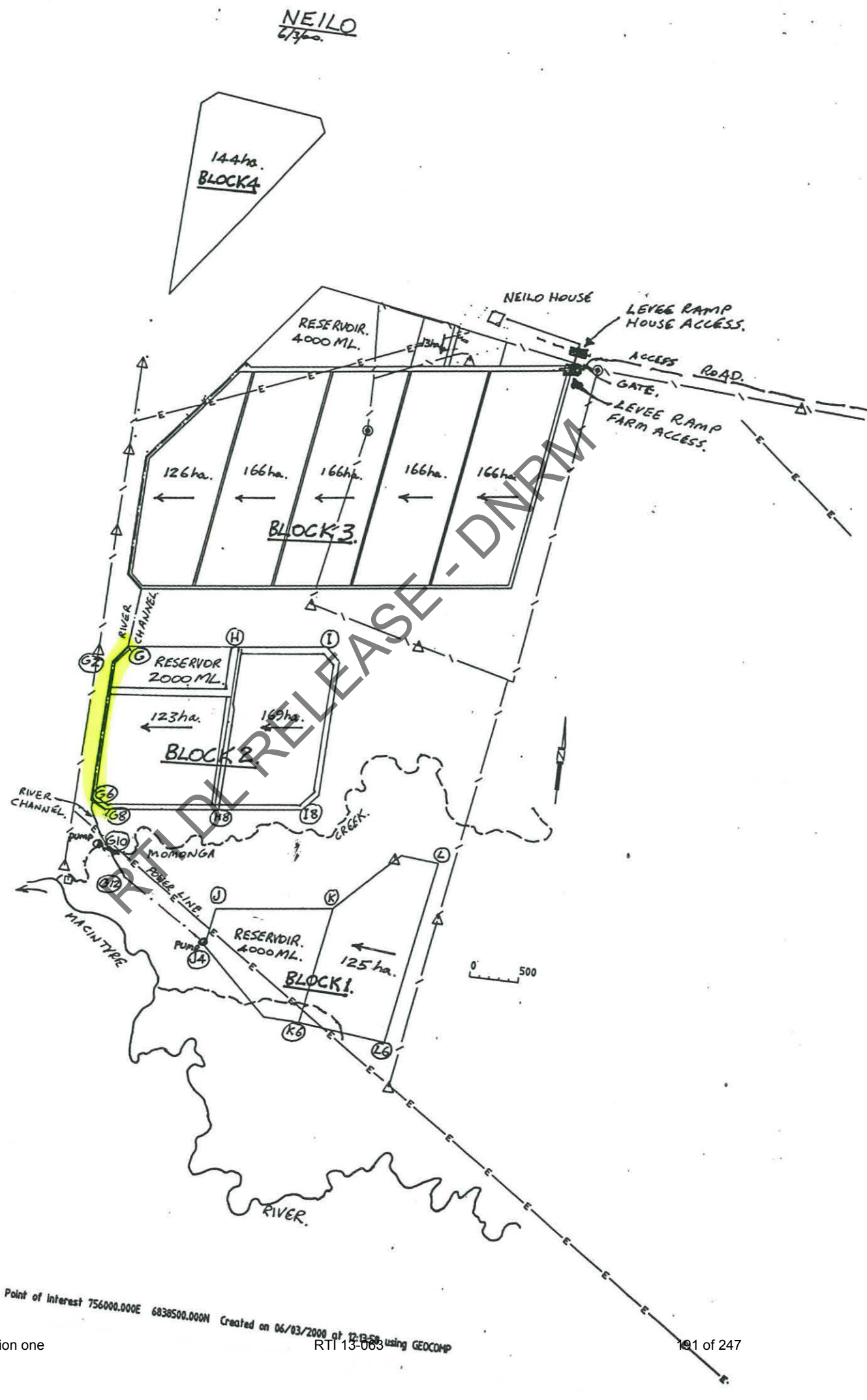
SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: neilo
Field: MSC BANK H-I
Design: 1
Date: 27/7/100

BANK INDIVIDUAL POINTS CONSTUCT ON NATURAL SURFACE

AT NATURAL SURFACE							BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES	DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
32	1505	12.74	****	12.04	12.04	6.02 6.02	****	****	****	0	2.01	14.75	363	363
33	1550	12.79	****	11.83	11.83	5.92 5.92	****	****	****	0	1.96	14.75	736	1099
34	1600	12.84	****	11.62	11.62	5.81 5.81	****	****	****	0	1.91	14.75	744	1843
35	1650	12.88	****	11.45	11.45	5.73 5.73	****	****	****	0	1.86	14.74	720	2562
36	1700	12.92	****	11.28	11.28	5.64 5.64	****	****	****	0	1.82	14.74	695	3258
37	1750	12.92	****	11.27	11.27	5.64 5.64	****	****	****	0	1.82	14.74	694	3952
38	1800	12.89	****	11.38	11.38	5.69 5.69	****	****	****	0	1.85	14.74	710	4661
39	1850	12.89	****	11.37	11.37	5.69 5.69	****	****	****	0	1.84	14.73	708	5369
40	1900	12.94	****	11.16	11.16	5.58 5.58	****	****	****	0	1.79	14.73	679	6048
41	1950	12.98	****	10.99	10.99	5.50 5.50	****	****	****	0	1.75	14.73	655	6703
42	2000	13.03	****	10.78	10.78	5.39 5.39	****	****	****	0	1.70	14.73	626	7329
43	2050	13.07	****	10.61	10.61	5.31 5.31	****	****	****	0	1.65	14.72	604	7933
44	2100	13.09	****	10.52	10.52	5.26 5.26	****	****	****	0	1.63	14.72	592	8525
45	2150	13.14	****	10.31	10.31	5.16 5.16	****	****	****	0	1.58	14.72	564	9089
46	2200	13.15	****	10.26	10.26	5.13 5.13	****	****	****	0	1.57	14.72	558	9647
47	2250	13.16	****	10.21	10.21	5.11 5.11	****	****	****	0	1.55	14.71	552	10199
48	2300	13.16	****	10.20	10.20	5.10 5.10	****	****	****	0	1.55	14.71	550	10749
49	2350	13.17	****	10.15	10.15	5.08 5.08	****	****	****	0	1.54	14.71	544	11293
50	2400	13.20	****	10.02	10.02	5.01 5.01	****	****	****	0	1.51	14.71	528	11821
51	2450	13.22	****	9.93	9.93	4.97 4.97	****	****	****	0	1.48	14.70	516	12338
52	2500	13.26	****	9.76	9.76	4.88 4.88	****	****	****	0	1.44	14.70	327	12665
53	2516	13.26	****	9.76	9.76	4.88 4.88	****	****	****	0	1.44	14.70	79	12744

RTI DL RELEASE - DNRM


NEILO
6/3/00.
144ha.
BLOCK4
NEILO HOUSE
LEVEE RAMP
HOUSE ACCESS.
ACCESS ROAD.
GATE.
LEVEE RAMP
FARM ACCESS.
RESERVOIR.
4000 ML.
126ha.
166ha.
166ha.
166ha.
166ha.
BLOCK3.
RIVER
CHANNEL.
RESERVOR
2000 ML.
123ha.
169ha.
BLOCK2.
RIVER
CHANNEL.
CREEK.
pump
MOMONGA
POWER LINE.
MACINTYRE
RESERVOIR.
4000 ML.
125 ha.
BLOCK1.
pump
0
500
RIVER.
RTI DL RELEASE - DNRM
File G660401LPLT Scale 1:35000 Point of interest 756000.000E 6838500.000N Created on 06/03/2000 at 12:13:58 using GEOCOMP

SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: Block 2 Western Levee G-G8
Design: 1
Date: 4/7/100

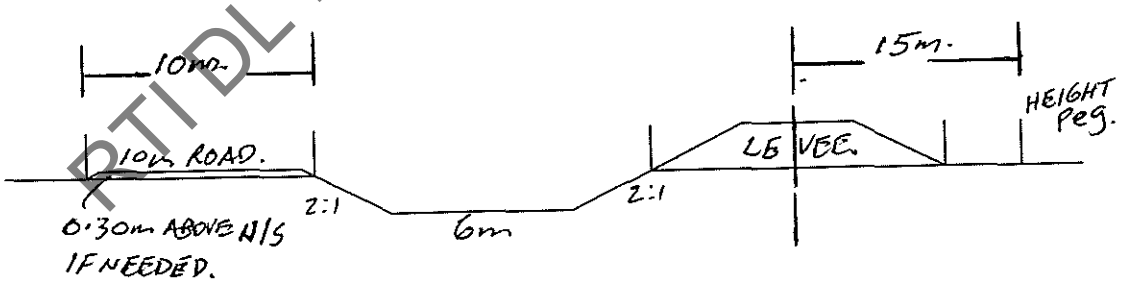
NEIL2WL.DDN. * * SUMMARY OF INFORMATION * *

TYPE OF WORKS	BANK	
START	POINT	0
FINISH	POINT	38
LENGTH OF WORKS	1813	Metres
WIDTH BANK	5.00	Metres
HEIGHT POINT 0	1.75	Metres
COMPACTION FACTOR	0	%
INSIDE BATTER	1 : 2.0	
OUTSIDE BATTER	1 : 2.0	
GRADE OF BANK	+0.000	%
VOLUME OF FILL	33243	Cubic Metres
VOLUME OF CUT	0	Cubic Metres

RTI DL RELEASE - DNRM

BANK 0.000 %

0 ========== 38



SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: Block 2 Western Levee
Design: 1
Date: 4/7/100

BANK INDIVIDUAL POINTS

	AT NATURAL SURFACE							BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES		DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
0	597	12.75	****	12.00	12.00	6.00	6.00	****	****	****	0	1.75	14.50	82	82
1	608	12.72	****	12.12	12.12	6.06	6.06	****	****	****	0	1.78	14.50	404	486
2	650	12.72	****	12.12	12.12	6.06	6.06	****	****	****	0	1.78	14.50	701	1186
3	700	12.64	****	12.44	12.44	6.22	6.22	****	****	****	0	1.86	14.50	811	1997
4	750	12.67	****	12.32	12.32	6.16	6.16	****	****	****	0	1.83	14.50	935	2932
5	818	12.60	****	12.60	12.60	6.30	6.30	****	****	****	0	1.90	14.50	836	3768
6	850	12.70	****	12.20	12.20	6.10	6.10	****	****	****	0	1.80	14.50	635	4403
7	900	12.61	****	12.56	12.56	6.28	6.28	****	****	****	0	1.89	14.50	830	5233
8	950	12.72	****	12.12	12.12	6.06	6.06	****	****	****	0	1.78	14.50	762	5995
9	1000	12.66	****	12.36	12.36	6.18	6.18	****	****	****	0	1.84	14.50	799	6793
10	1050	12.70	****	12.20	12.20	6.10	6.10	****	****	****	0	1.80	14.50	774	7567
11	1100	12.53	****	12.88	12.88	6.44	6.44	****	****	****	0	1.97	14.50	881	8448
12	1150	12.59	****	12.64	12.64	6.32	6.32	****	****	****	0	1.91	14.50	842	9290
13	1200	12.62	****	12.52	12.52	6.26	6.26	****	****	****	0	1.88	14.50	823	10114
14	1250	12.62	****	12.52	12.52	6.26	6.26	****	****	****	0	1.88	14.50	823	10937
15	1300	12.62	****	12.52	12.52	6.26	6.26	****	****	****	0	1.88	14.50	823	11760
16	1350	12.66	****	12.36	12.36	6.18	6.18	****	****	****	0	1.84	14.50	799	12559
17	1400	12.58	****	12.68	12.68	6.34	6.34	****	****	****	0	1.92	14.50	849	13408
18	1450	12.63	****	12.48	12.48	6.24	6.24	****	****	****	0	1.87	14.50	817	14225
19	1500	12.56	****	12.76	12.76	6.38	6.38	****	****	****	0	1.94	14.50	861	15086
20	1550	12.54	****	12.84	12.84	6.42	6.42	****	****	****	0	1.96	14.50	874	15960
21	1600	12.50	****	13.00	13.00	6.50	6.50	****	****	****	0	2.00	14.50	900	16860
22	1650	12.46	****	13.16	13.16	6.58	6.58	****	****	****	0	2.04	14.50	926	17787
23	1700	12.39	****	13.44	13.44	6.72	6.72	****	****	****	0	2.11	14.50	973	18759
24	1750	12.39	****	13.44	13.44	6.72	6.72	****	****	****	0	2.11	14.50	973	19732
25	1800	12.32	****	13.72	13.72	6.86	6.86	****	****	****	0	2.18	14.50	1020	20752

RTI DL RELEASE - DNRM

26	1850	12.39	****	13.44	13.44	6.72	6.72	****	****	****	0	2.11	14.50	973	21725
27	1900	12.27	****	13.92	13.92	6.96	6.96	****	****	****	0	2.23	14.50	1055	22780
28	1950	12.31	****	13.76	13.76	6.88	6.88	****	****	****	0	2.19	14.50	1027	23807
29	2000	12.24	****	14.04	14.04	7.02	7.02	****	****	****	0	2.26	14.50	1076	24883
30	2050	12.24	****	14.04	14.04	7.02	7.02	****	****	****	0	2.26	14.50	1076	25958
31	2100	12.21	****	14.16	14.16	7.08	7.08	****	****	****	0	2.29	14.50	1097	27055
32	2150	12.30	****	13.80	13.80	6.90	6.90	****	****	****	0	2.20	14.50	1034	28089
33	2200	12.20	****	14.20	14.20	7.10	7.10	****	****	****	0	2.30	14.50	972	29061
34	2238	12.20	****	14.20	14.20	7.10	7.10	****	****	****	0	2.30	14.50	1104	30165
35	2300	12.22	****	14.12	14.12	7.06	7.06	****	****	****	0	2.28	14.50	1221	31385
36	2350	12.22	****	14.12	14.12	7.06	7.06	****	****	****	0	2.28	14.50	1090	32475
37	2400	12.21	****	14.16	14.16	7.08	7.08	****	****	****	0	2.29	14.50	658	33133
38	2410	12.21	****	14.16	14.16	7.08	7.08	****	****	****	0	2.29	14.50	110	33243

RTI DL RELEASE - DNRM

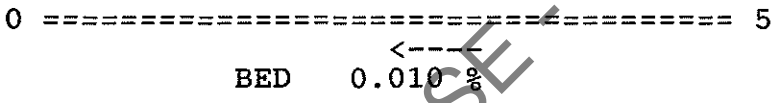
SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: Block 2 River Channel G - G2
Design: 1
Date: 4/7/100

NEIL2RC1.DDN.

* * SUMMARY OF INFORMATION * *

TYPE OF WORKS	DRAIN	
START	POINT	0
FINISH	POINT	5
LENGTH OF WORKS	221	Metres
WIDTH BED	6.00	Metres
DEPTH POINT 0	2.18	Metres
INSIDE BATTER	1 : 2.0	
OUTSIDE BATTER	1 : 2.0	
GRADE OF BED	+0.010 %	
VOLUME OF CUT	4702	Cubic Metres



RTI DL RELEASE - DNRM

SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: Block 2 River Channel G - G2
Design: 1
Date: 4/7/100

DRAIN INDIVIDUAL POINTS

	AT NATURAL SURFACE						BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES	DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
G 0	597	12.75	14.72	****	14.72	7.36 7.36	2.18	10.57	124	124	****	****	****	0
1	608	12.72	14.60	****	14.60	7.30 7.30	2.15	10.57	586	711	****	****	****	0
2	650	12.72	14.58	****	14.58	7.29 7.29	2.14	10.58	1015	1726	****	****	****	0
3	700	12.64	14.24	****	14.24	7.12 7.12	2.06	10.58	1042	2768	****	****	****	0
4	750	12.67	14.34	****	14.34	7.17 7.17	2.08	10.59	1251	4019	****	****	****	0
G2 5	818	12.60	14.03	****	14.03	7.02 7.02	2.01	10.59	684	4702	****	****	****	0

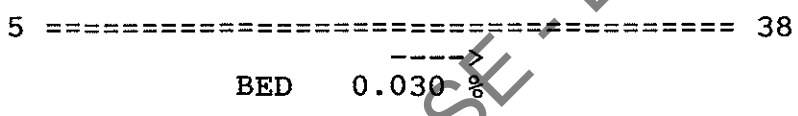
RTI DL RELEASE - DNRM

SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: Block 2 River Channel G2 - G8
Design: 1
Date: 4/7/100
NEIL2RC2.DDN.

* * SUMMARY OF INFORMATION * *

TYPE OF WORKS	DRAIN	
START	POINT	5
FINISH	POINT	38
LENGTH OF WORKS	1592	Metres
WIDTH BED	6.00	Metres
DEPTH POINT 5	2.01	Metres
INSIDE BATTER	1 : 2.0	
OUTSIDE BATTER	1 : 2.0	
GRADE OF BED	-0.030 %	
VOLUME OF CUT	34150	Cubic Metres



RTI DL RELEASE - DNRM

SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: Block 2 River Channel G2 - G8
Design: 1
Date: 4/7/100

DRAIN INDIVIDUAL POINTS

	AT NATURAL SURFACE						BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES	DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
G2 5	818	12.60	14.04	****	14.04	7.02 7.02	2.01	10.59	322	322	****	****	****	0
6	850	12.70	14.48	****	14.48	7.24 7.24	2.12	10.58	890	1212	****	****	****	0
7	900	12.61	14.18	****	14.18	7.09 7.09	2.04	10.57	1031	2243	****	****	****	0
8	950	12.72	14.68	****	14.68	7.34 7.34	2.17	10.55	1122	3365	****	****	****	0
9	1000	12.66	14.50	****	14.50	7.25 7.25	2.12	10.54	1089	4454	****	****	****	0
10	1050	12.70	14.72	****	14.72	7.36 7.36	2.18	10.52	1129	5583	****	****	****	0
11	1100	12.53	14.10	****	14.10	7.05 7.05	2.02	10.51	1017	6600	****	****	****	0
12	1150	12.59	14.40	****	14.40	7.20 7.20	2.10	10.49	1071	7671	****	****	****	0
13	1200	12.62	14.58	****	14.58	7.29 7.29	2.14	10.48	1103	8774	****	****	****	0
14	1250	12.62	14.64	****	14.64	7.32 7.32	2.16	10.46	1114	9888	****	****	****	0
15	1300	12.62	14.70	****	14.70	7.35 7.35	2.17	10.45	1125	11014	****	****	****	0
16	1350	12.66	14.92	****	14.92	7.46 7.46	2.23	10.43	1166	12180	****	****	****	0
17	1400	12.58	14.66	****	14.66	7.33 7.33	2.16	10.42	1118	13298	****	****	****	0
18	1450	12.63	14.92	****	14.92	7.46 7.46	2.23	10.40	1166	14464	****	****	****	0
19	1500	12.56	14.70	****	14.70	7.35 7.35	2.17	10.39	1125	15589	****	****	****	0
20	1550	12.54	14.68	****	14.68	7.34 7.34	2.17	10.37	1122	16710	****	****	****	0
21	1600	12.50	14.58	****	14.58	7.29 7.29	2.14	10.36	1103	17814	****	****	****	0
22	1650	12.46	14.48	****	14.48	7.24 7.24	2.12	10.34	1085	18899	****	****	****	0
23	1700	12.39	14.26	****	14.26	7.13 7.13	2.06	10.33	1046	19945	****	****	****	0
24	1750	12.39	14.32	****	14.32	7.16 7.16	2.08	10.31	1056	21001	****	****	****	0
25	1800	12.32	14.10	****	14.10	7.05 7.05	2.02	10.30	1017	22018	****	****	****	0
26	1850	12.39	14.44	****	14.44	7.22 7.22	2.11	10.28	1078	23096	****	****	****	0
27	1900	12.27	14.02	****	14.02	7.01 7.01	2.00	10.27	1003	24099	****	****	****	0
28	1950	12.31	14.24	****	14.24	7.12 7.12	2.06	10.25	1042	25141	****	****	****	0
29	2000	12.24	14.02	****	14.02	7.01 7.01	2.00	10.24	1003	26145	****	****	****	0
30	2050	12.24	14.08	****	14.08	7.04 7.04	2.02	10.22	1014	27158	****	****	****	0

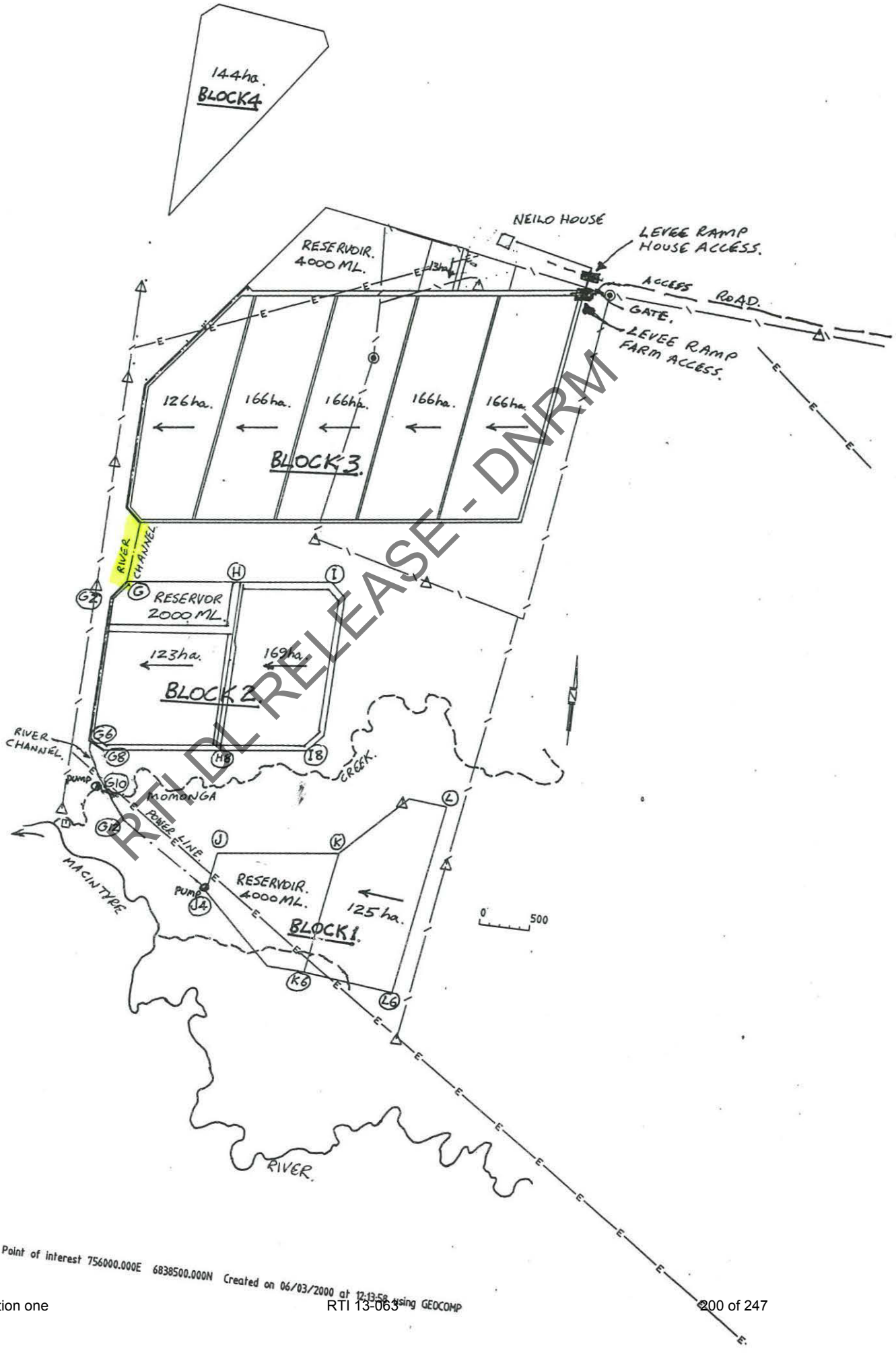
RTI DL RELEASE - DNRM

31	2100	12.21	14.02	****	14.02	7.01	7.01	2.00	10.21	1003	28162	****	****	****	0
32	2150	12.30	14.44	****	14.44	7.22	7.22	2.11	10.19	1078	29239	****	****	****	0
33	2200	12.20	14.10	****	14.10	7.05	7.05	2.02	10.18	895	30135	****	****	****	0
G6 34	2238	12.20	14.14	****	14.14	7.07	7.07	2.04	10.16	1025	31160	****	****	****	0
35	2300	12.22	14.30	****	14.30	7.15	7.15	2.07	10.15	1179	32339	****	****	****	0
36	2350	12.22	14.36	****	14.36	7.18	7.18	2.09	10.13	1064	33403	****	****	****	0
37	2400	12.21	14.38	****	14.38	7.19	7.19	2.09	10.12	640	34043	****	****	****	0
G8 38	2410	12.21	14.39	****	14.39	7.20	7.20	2.10	10.11	107	34150	****	****	****	0

RTI DL RELEASE - DNRM

Release

NEILO
6/3/00.



RTI DL RELEASE - DNRM

File G:660401.PLT Scale 1:35000 Point of interest 756000.000E 6838500.000N Created on 06/03/2000 at 12:13:58 using GEOCOMP

SUDHOLZ PTY LTD
IRRIGATION DESIGN

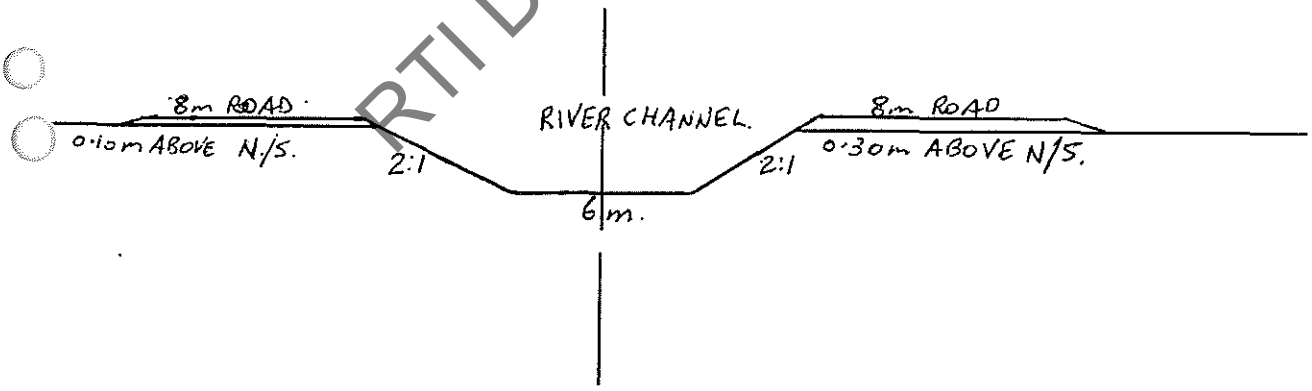
Client: Neilo
Field: River Channel CH20 - CH
Design: 1
Date: 28/6/100

* * SUMMARY OF INFORMATION * *

TYPE OF WORKS	DRAIN
START	30 Metres before POINT 1
FINISH	30 Metres after POINT 11
LENGTH OF WORKS	560 Metres
WIDTH BED	6.00 Metres
DEPTH POINT 1	2.23 Metres
INSIDE BATTER	1 : 2.0
OUTSIDE BATTER	1 : 2.0
GRADE OF BED	+0.010 %
VOLUME OF CUT	11770 Cubic Metres

RTI DL RELEASE - DNRM

1 ========== 11
<----
BED 0.010 %



HAUL MATERIAL TO - FIELD 5 POND BANK & TAIL DRAIN ROAD.
- TRUCK TURNING AREA.
- ROADS BESIDE RIVER CHANNEL.
- PADS WITH FLOODPLAIN DIRECTION (6m WIDE X 0·6m HIGH)

SUDHOLZ PTY LTD
IRRIGATION DESIGN

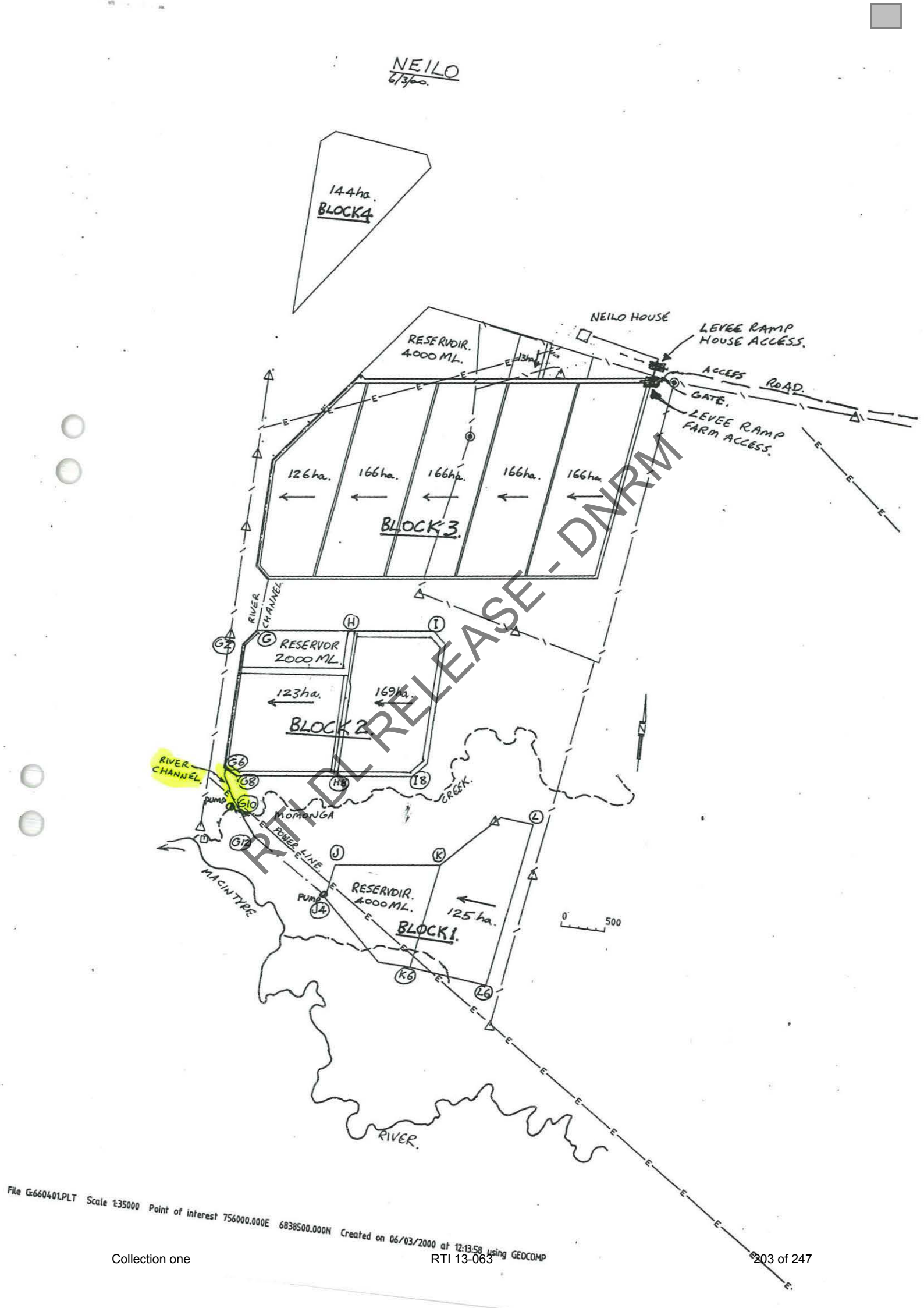
Client: Neilo
Field: River Channel
Design: 1
Date: 28/6/100

DRAIN INDIVIDUAL POINTS

AT NATURAL SURFACE							BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES	DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
BLOCK3.														
1	50	12.54	14.92	****	14.92	7.46 7.46	2.23	10.31	1283	1283	****	****	****	0
2	100	12.43	14.46	****	14.46	7.23 7.23	2.11	10.31	1082	2365	****	****	****	0
3	150	12.34	14.08	****	14.08	7.04 7.04	2.02	10.32	1014	3379	****	****	****	0
4	200	12.27	13.78	****	13.78	6.89 6.89	1.94	10.32	962	4341	****	****	****	0
5	250	12.32	13.96	****	13.96	6.98 6.98	1.99	10.33	993	5334	****	****	****	0
6	300	12.41	14.30	****	14.30	7.15 7.15	2.08	10.33	1053	6387	****	****	****	0
7	350	12.34	14.00	****	14.00	7.00 7.00	2.00	10.34	1000	7387	****	****	****	0
	400	12.34	13.98	****	13.98	6.99 6.99	1.99	10.34	997	8383	****	****	****	0
9	450	12.37	14.08	****	14.08	7.04 7.04	2.02	10.35	1014	9397	****	****	****	0
10	500	12.40	14.18	****	14.18	7.09 7.09	2.05	10.35	1032	10429	****	****	****	0
11	550	12.66	15.20	****	15.20	7.60 7.60	2.30	10.36	1341	11770	****	****	****	0

BLOCK2.

RTI DL RELEASE - DNRM



File G:660401.PLT Scale 1:35000 Point of interest 756000.000E 6838500.000N Created on 06/03/2000 at 12:13:58 using GEOCOMP

SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: River Channel G6-G10
Design: 1
Date: 19/7/100

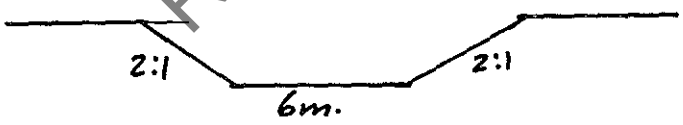
NEIL RC3. DDN.

* * SUMMARY OF INFORMATION * *

TYPE OF WORKS	DRAIN	
START	30 Metres before POINT	0
FINISH	40 Metres after POINT	7
LENGTH OF WORKS	420 Metres	
WIDTH BED	6.00 Metres	
DEPTH POINT 0	1.31 Metres	
INSIDE BATTER	1 : 2.0	
OUTSIDE BATTER	1 : 2.0	
GRADE OF BED	+0.010 %	
VOLUME OF CUT	4665 Cubic Metres	

RTI DL RELEASE - DNRM

0 ========== 7
<----
BED 0.010 %



MATERIAL TO LEVEE RAMP.
EXTRA MATERIAL TO BE SPOILED IN PAD. (IN FLOOD PLAIN DIRECTION 6m WIDE X 0.6m HIGH)

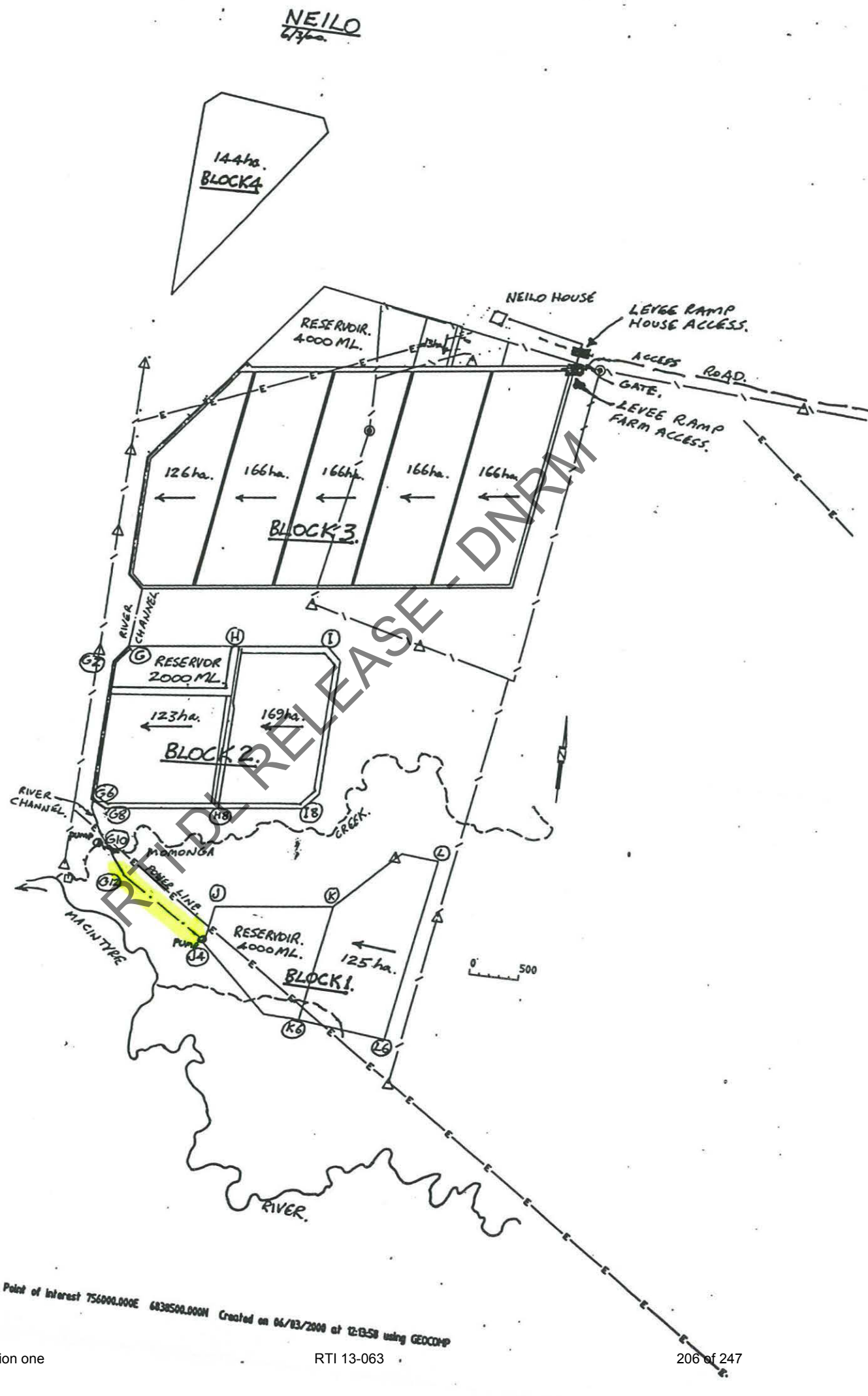
SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: River Channel G6-G10
Design: 1
Date: 19/7/100

DRAIN INDIVIDUAL POINTS

AT NATURAL SURFACE							BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES	DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
G6 0	2300	12.16	11.24	****	11.24	5.62 5.62	1.31	10.85	536	536	****	****	****	0
1	2335	12.12	11.07	****	11.07	5.53 5.53	1.27	10.85	540	1077	****	****	****	0
2	2400	12.08	10.88	****	10.88	5.44 5.44	1.22	10.86	592	1669	****	****	****	0
3	2450	12.14	11.10	****	11.10	5.55 5.55	1.27	10.86	545	2214	****	****	****	0
4	2500	12.14	11.08	****	11.08	5.54 5.54	1.27	10.87	542	2756	****	****	****	0
5	2550	12.20	11.30	****	11.30	5.65 5.65	1.33	10.87	424	3180	****	****	****	0
	2574	12.17	11.17	****	11.17	5.59 5.59	1.29	10.88	555	3735	****	****	****	0
G10	2650	12.25	11.46	****	11.46	5.73 5.73	1.37	10.88	929	4665	****	****	****	0

RTI DL RELEASE - DNRM



File G:660401LPLT Scale 1:35000 Point of interest 756000.000E 6838500.000N Created on 06/03/2000 at 12:13:58 using GEOCOMP

SUDHOLZ PTY LTD
IRRIGATION DESIGN

Client: Neilo
Field: River Channel Ch200 - Ch1461
Design: 2
Date: 19/7/100

NEILRCB3.DDN.

*** * SUMMARY OF INFORMATION * ***

TYPE OF WORKS	DRAIN	
START	POINT	7
FINISH	POINT	32
LENGTH OF WORKS	1261	Metres
WIDTH BED	6.00	Metres
DEPTH POINT 7	1.61	Metres
INSIDE BATTER	1 : 2.0	
OUTSIDE BATTER	1 : 2.0	
GRADE OF BED	+0.000 %	
VOLUME OF CUT	19850	Cubic Metres

RTI DL RELEASE - DNRM

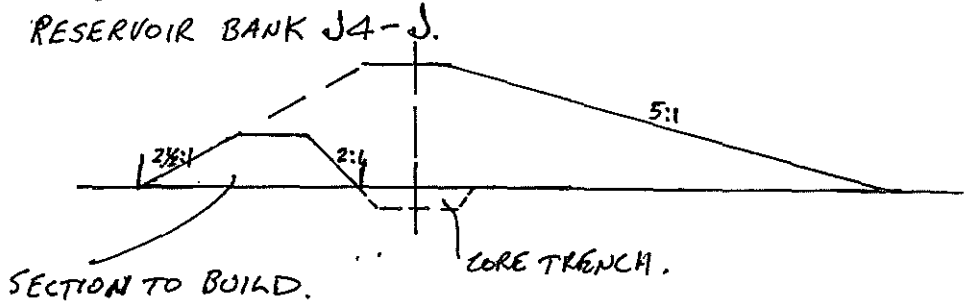
7 ========== 32

BED 0.000 %



CH200 - CH 800.
HAUL MATERIAL TO - PADS (IN DIRECTION OF FLOOD PLAIN 6m WIDE X 0.6m HIGH)

- CH 800 - CH 1461.
RESERVOIR BANK J4-J.



SUDHOLZ PTY LTD
IRRIGATION DESIGN

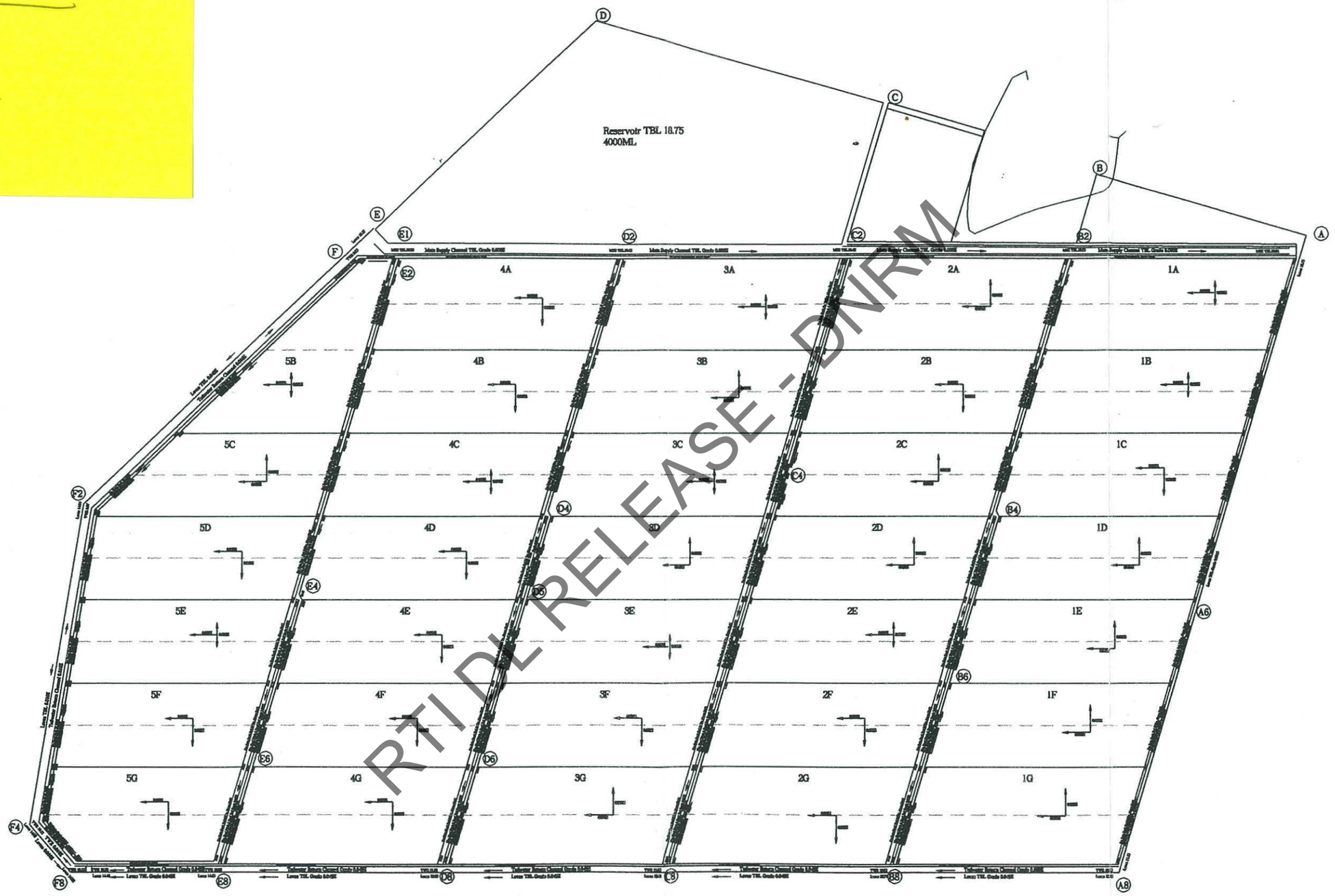
Client: Neilo
Field: River Channel Ch200 - Ch1461
Design: 2
Date: 19/7/100

DRAIN INDIVIDUAL POINTS

AT NATURAL SURFACE							BELOW NATURAL SURFACE (CUT)				ABOVE NATURAL SURFACE (FILL)			
POINT	CHAINAGE METRES	NS RL METRES	WIDTH CUT METRES	WIDTH FILL METRES	WIDTH TOTAL METRES	WIDTH CENTRE to EDGE METRES	DEPTH CUT METRES	BED RL METRES	VOLUME CUT CU M	TOTAL VOLUME CUT	HEIGHT FILL METRES	BANK RL METRES	VOLUME FILL CU M	TOTAL VOLUME FILL
7	200	12.46	12.44	****	12.44	6.22 6.22	1.61	10.85	349	349	****	****	****	0
8	247	12.20	11.40	****	11.40	5.70 5.70	1.35	10.85	587	936	****	****	****	0
9	300	12.37	12.08	****	12.08	6.04 6.04	1.52	10.85	708	1644	****	****	****	0
10	350	12.44	12.36	****	12.36	6.18 6.18	1.59	10.85	730	2374	****	****	****	0
11	400	12.40	12.20	****	12.20	6.10 6.10	1.55	10.85	642	3015	****	****	****	0
12	441	12.33	11.92	****	11.92	5.96 5.96	1.48	10.85	663	3678	****	****	****	0
13	500	12.26	11.64	****	11.64	5.82 5.82	1.41	10.85	678	4356	****	****	****	0
14	550	12.33	11.92	****	11.92	5.96 5.96	1.48	10.85	663	5019	****	****	****	0
15	600	12.40	12.20	****	12.20	6.10 6.10	1.55	10.85	705	5724	****	****	****	0
16	650	12.60	13.00	****	13.00	6.50 6.50	1.75	10.85	831	6556	****	****	****	0
17	700	12.63	13.12	****	13.12	6.56 6.56	1.78	10.85	851	7407	****	****	****	0
18	750	12.63	13.12	****	13.12	6.56 6.56	1.78	10.85	851	8257	****	****	****	0
19	800	12.59	12.96	****	12.96	6.48 6.48	1.74	10.85	825	9082	****	****	****	0
20	850	12.44	12.36	****	12.36	6.18 6.18	1.59	10.85	730	9812	****	****	****	0
21	900	11.97	10.48	****	10.48	5.24 5.24	1.12	10.85	461	10273	****	****	****	0
22	950	12.38	12.12	****	12.12	6.06 6.06	1.53	10.85	693	10966	****	****	****	0
23	1000	12.47	12.48	****	12.48	6.24 6.24	1.62	10.85	748	11715	****	****	****	0
24	1050	12.58	12.92	****	12.92	6.46 6.46	1.73	10.85	818	12533	****	****	****	0
25	1100	12.67	13.28	****	13.28	6.64 6.64	1.82	10.85	877	13410	****	****	****	0
26	1150	12.73	13.52	****	13.52	6.76 6.76	1.88	10.85	917	14328	****	****	****	0
27	1200	12.70	13.40	****	13.40	6.70 6.70	1.85	10.85	897	15225	****	****	****	0
28	1250	12.75	13.60	****	13.60	6.80 6.80	1.90	10.85	931	16156	****	****	****	0
29	1300	12.79	13.76	****	13.76	6.88 6.88	1.94	10.85	958	17115	****	****	****	0
30	1350	12.85	14.00	****	14.00	7.00 7.00	2.00	10.85	1000	18115	****	****	****	0
31	1400	12.87	14.08	****	14.08	7.04 7.04	2.02	10.85	1126	19240	****	****	****	0
32	1461	12.85	14.00	****	14.00	7.00 7.00	2.00	10.85	610	19850	****	****	****	0

RTI DL RELEASE - DNRM

BLOCK 3



RTI DL RELEASE - DNRM

Revision	Date	By	DESCRIPTION	Approved

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SUDHOLZ

CLIENT
D B & K A Coulton

PROJECT
Nello Irrigation Development

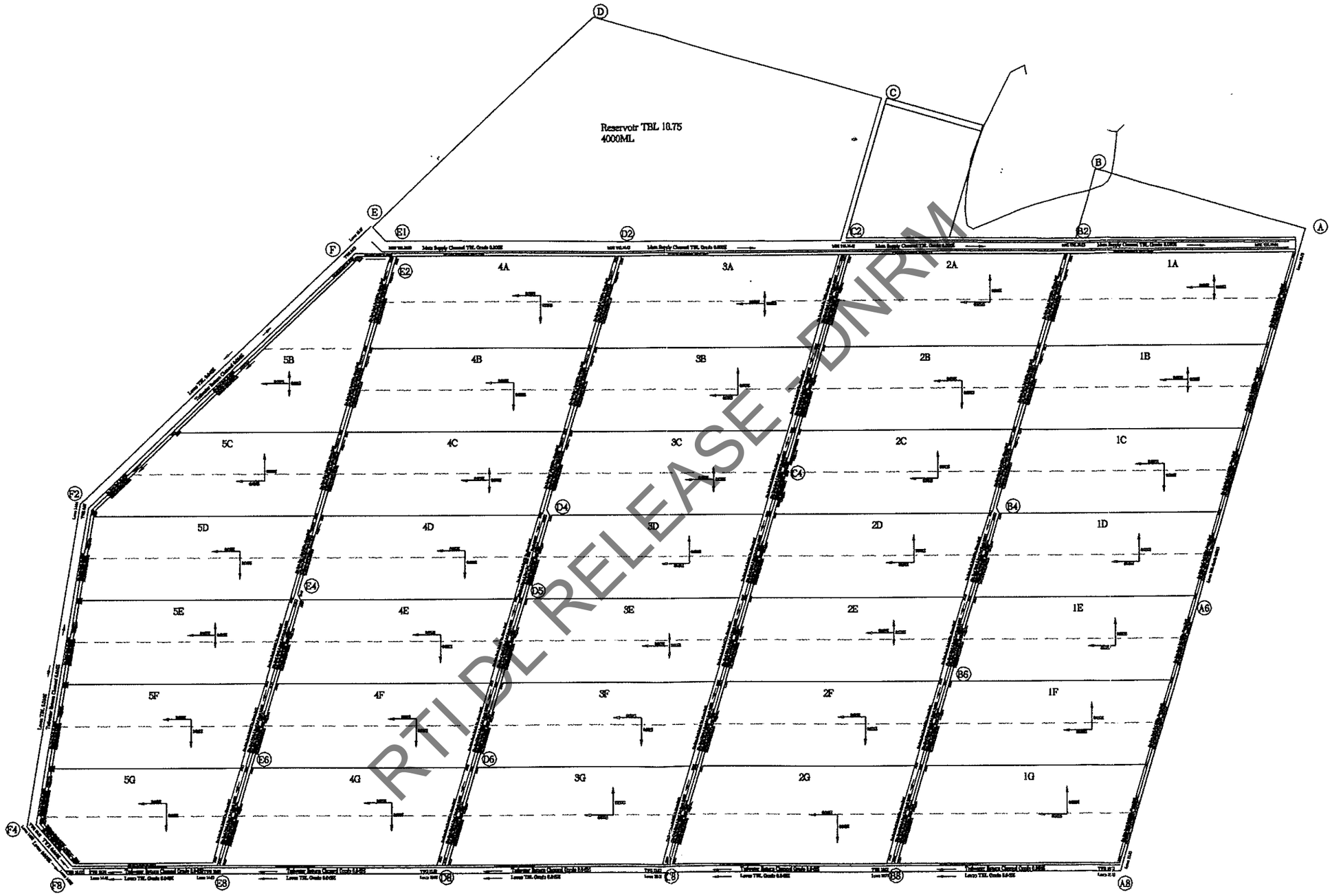
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Block 3 Layout & Design

A2 Scale:	X
Datum:	Fenn (+170m for approx. AHD)
Date:	19/6/00
Drawn:	T.S.
Checked:	x
Approved:	x

Drawing No.
99249 - 03

Status.
PRELIMINARY

Release



RTI DL RELEASE - DNRM

Revision	Date	By	DESCRIPTION	Approved

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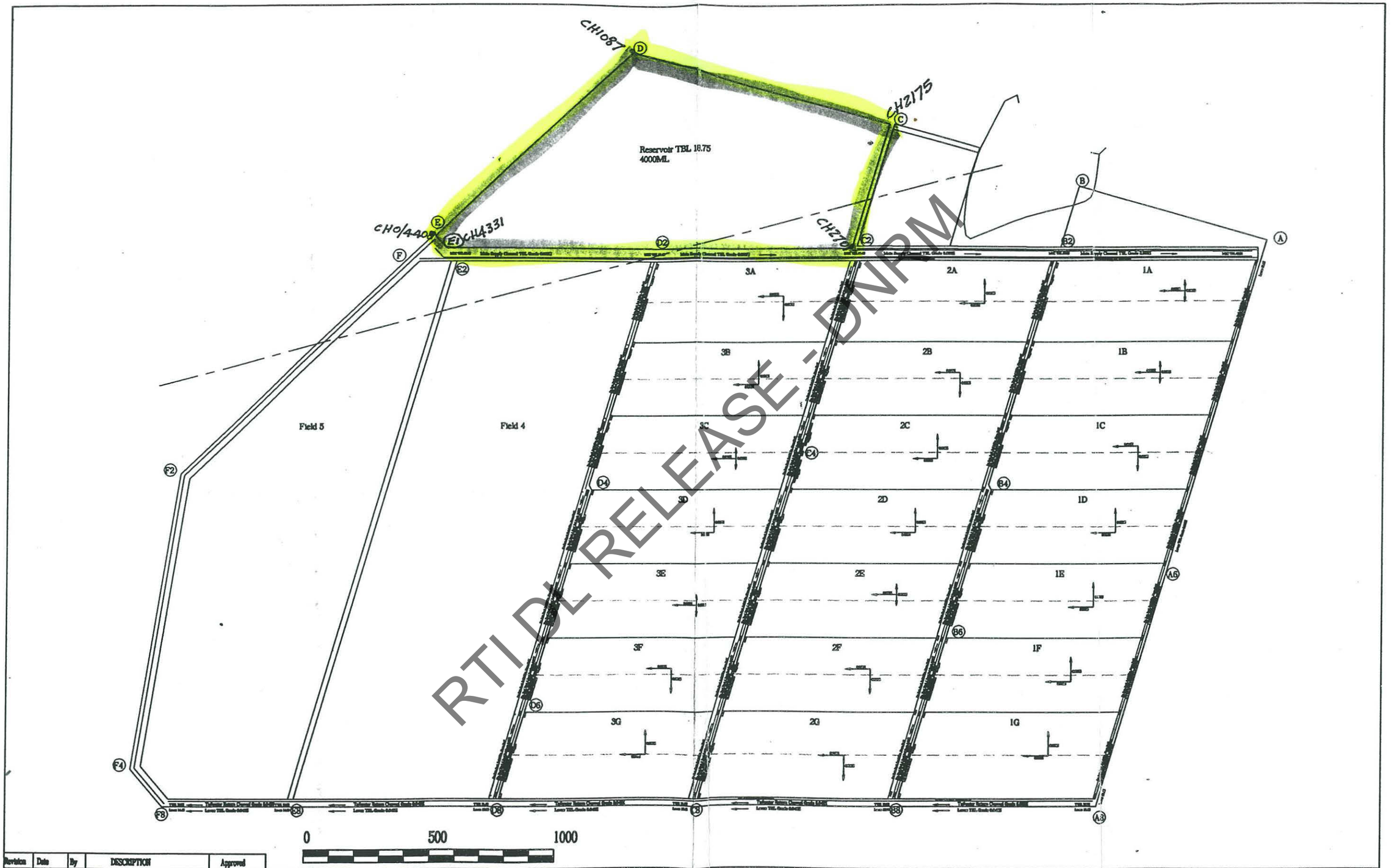
PROJECT
Nello Irrigation Development

TITLE
Block 3 Layout & Design

A2 Scale:	X
Datum:	Farm (+170m for approx. AHD)
Date:	19/6/09
Drawn:	T.S.
Checked:	x
Approved:	x

Drawing No.
99249 - 03

Status.
PRELIMINARY



RTI DL RELEASE - DNRM

Revision	Date	By	DESCRIPTION	Approved

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SUDHOLZ PTY. LTD.
34 LAGOON STREET
GOONDIWINDI 4390
PH: (07) 46711 044
FAX: (07) 46712 022
WebPage: www.sudholz.com.au

SUDHOLZ

CLIENT: D B & K A Coulton

PROJECT: Nello Irrigation Development

TITLE: Block 3 Layout & Design

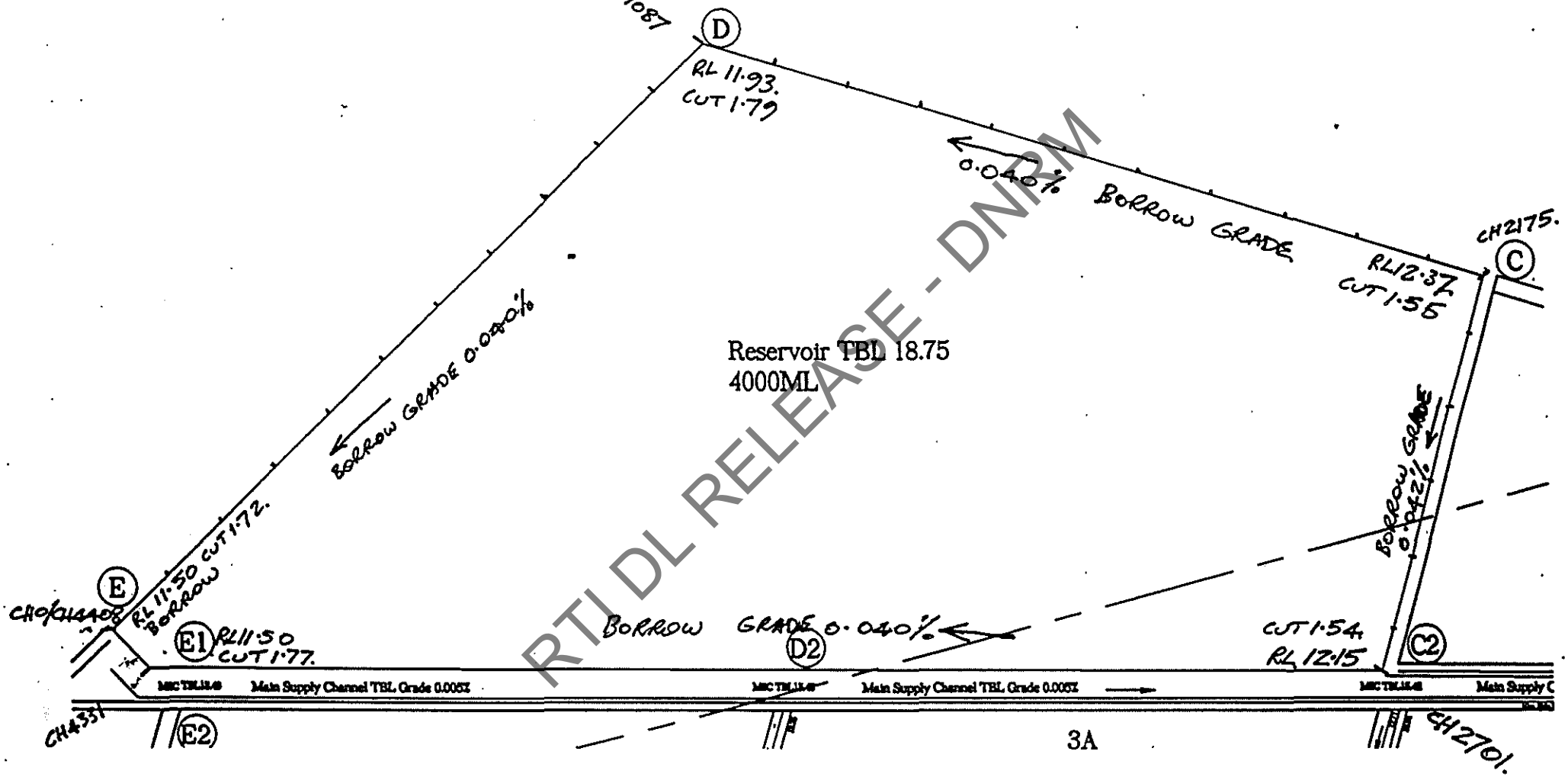
A2 Scale:	1:
Datum:	Fixed (+170m for approx. AHD)
Date:	17/4/09
Drawn:	T.S.
Checked:	
Approved:	

Drawing No. 99249 - 03

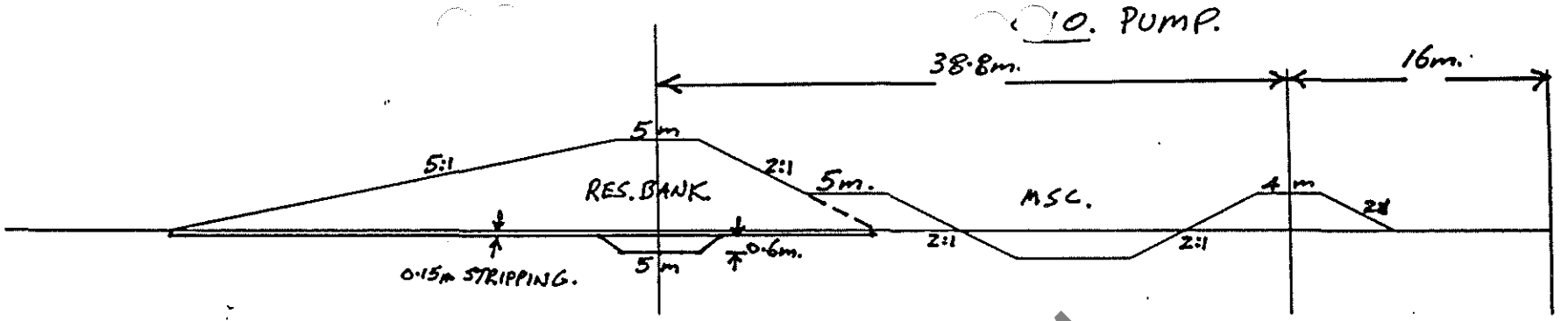
Status: PRELIMINARY

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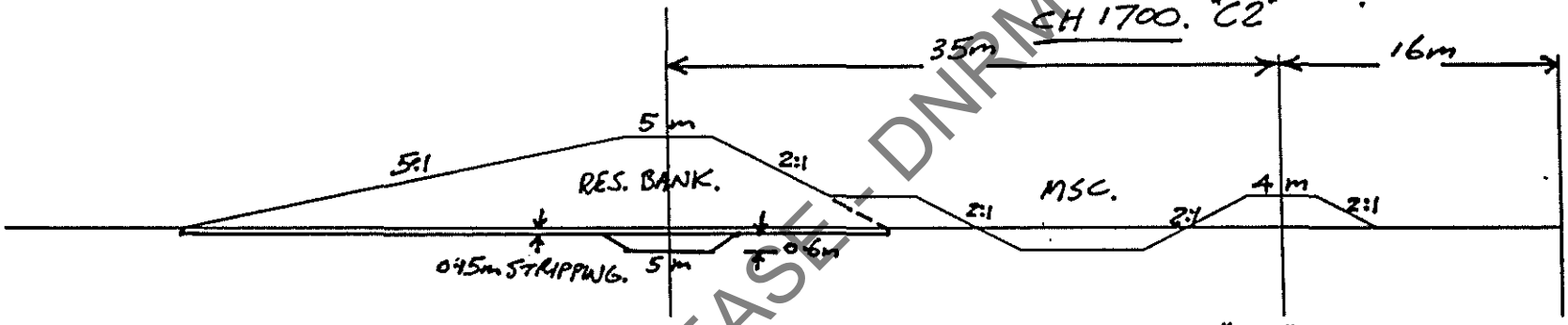
26/4/00.



RTI DL RELEASE - DNRM

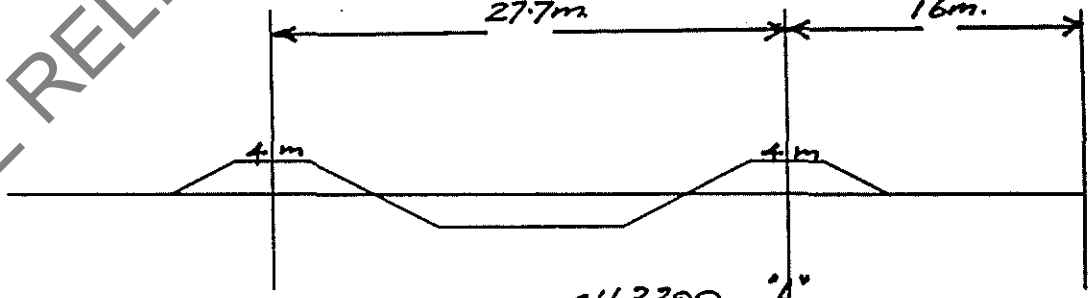


CH 1700. "C2"

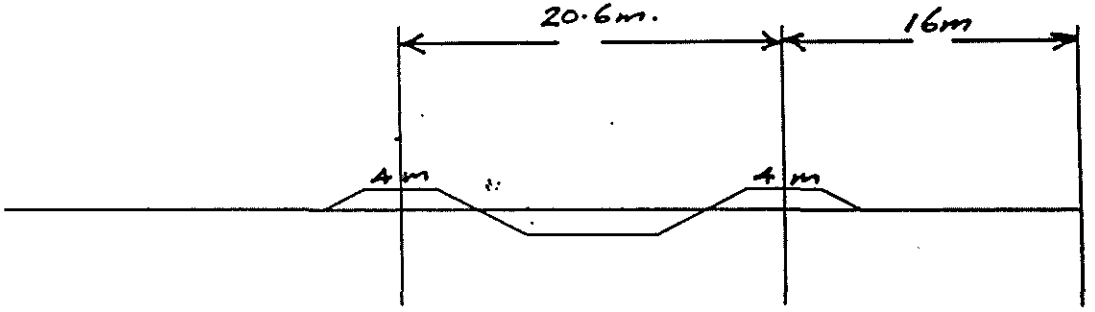


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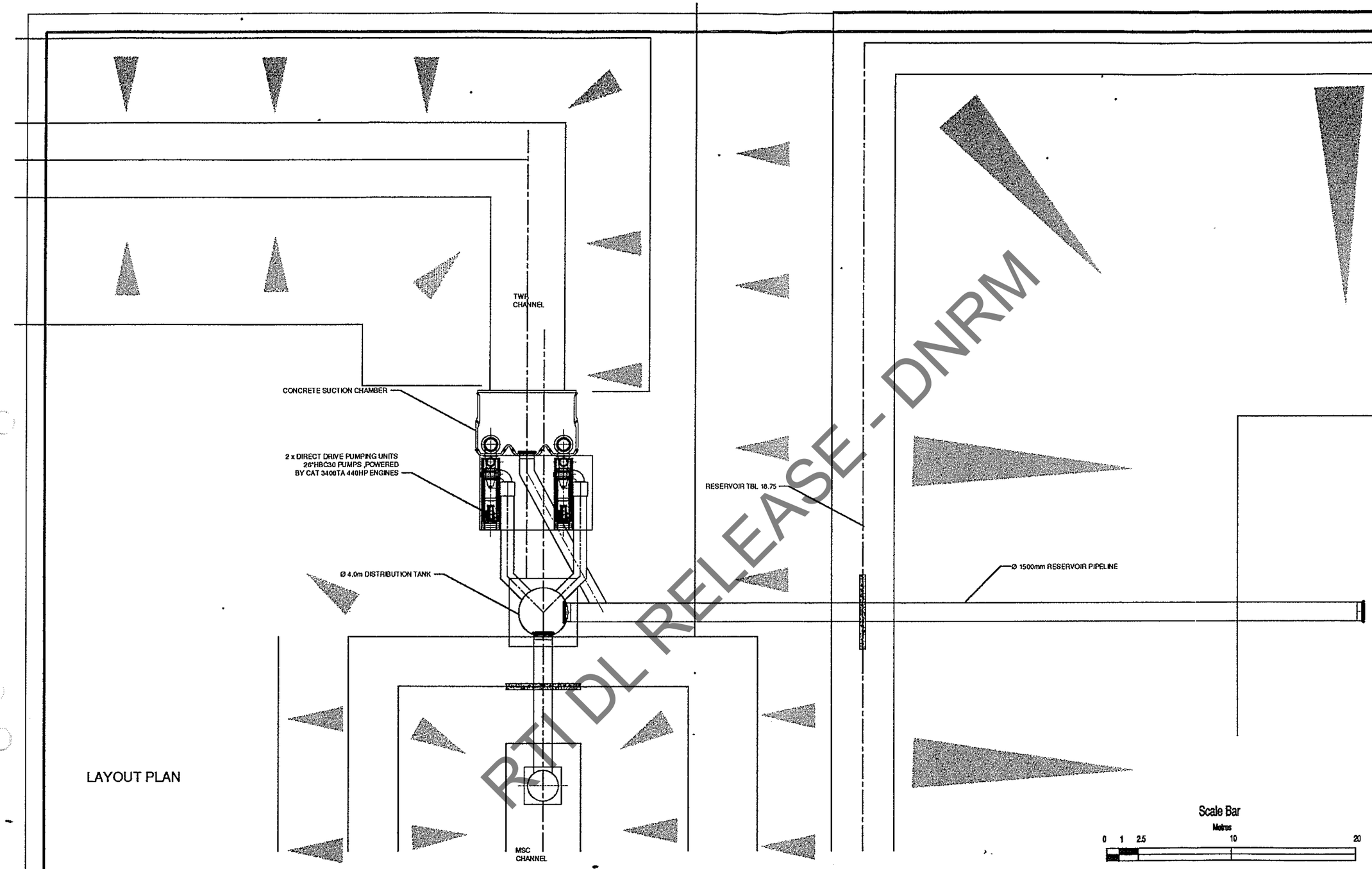
CH 1700 "C2"



CH 3300. "A"



RTI DL RELEASE - DNRM



LAYOUT PLAN

RTI DL RELEASE - DNRM

Revision	Date	By	Description	Approved

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34 LAGOON STREET
GOONDIWINDI 4390
ACN 009 999 988
ABN 25 215 974 671
PH: (07) 46711 044
FAX: (07) 46712 022
WebPage: www.sudholz.com.au .

SUDHOLZ
CONSULTING ENGINEERS
IRRIGATION DESIGN & CONSTRUCTION
CIVIL CONSTRUCTION & EARTHMOVING

CLIENT: *DB & KA COULTON*

PROJECT: *"NEILO" IRRIGATION DEVELOPMENT*

TITLE: *BLOCK 3 RESERVOIR PUMP LAYOUT*

Datum: AMG/AHD +170m | Contour Int.: MJR_MNR_

REFER ANY DISCREPANCIES TO ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION
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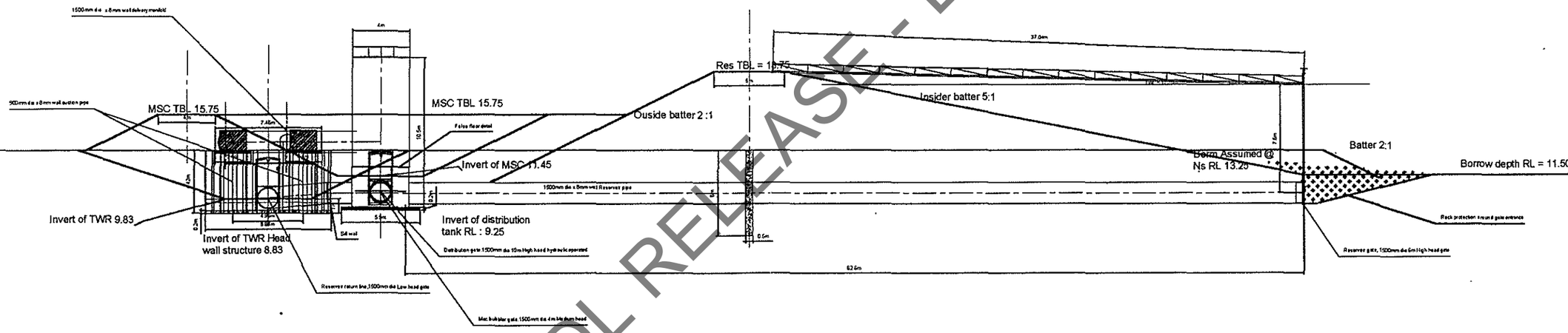
Sheet Size: A3	Scale: NTS
Designed: BEN BOMFORD	Date: 9/6/00
Design Check:	Date: 13/6/00
Drawn: BEN BOMFORD	Date: 9/6/00
Drawing	Date
Approved	Date

Drawing No. 19249 - 95 - A

Status. APPROVAL

sch4p4(6) Personal information

sch4p4(6) Personal information



RTI DL RELEASE - DNRM

Revision	Date	By	Description	Approved

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GOONDIWINDI 4390
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ABN 25 215 374 871
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FAX: (07) 46712 022
WebPage: www.sudholz.com.au

SUDHOLZ
CONSULTING ENGINEERS
IRRIGATION DESIGN & CONSTRUCTION
CIVIL CONSTRUCTION & EARTHMOVING

CLIENT: *DB & KA COULTON*

PROJECT: *"NEILO" IRRIGATION DEVELOPMENT*

TITLE: *BLOCK 3 RESERVOIR PUMP LAYOUT*

Datum: AMG/AHD +170m | Contour Int.: MJR_MNR_

REFER ANY DISCREPANCIES TO ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION
DO NOT SCALE FROM THIS DRAWING. USE DIMENSIONS WHERE MARKED

Sheet Size: A3 | Scale: NTS

Designed: BEN BOMFORD | Date: 9/8/00

Design Check: [illegible] | Date: 13/10/00

Drawn: [illegible] | Date: [illegible]

Drawing Status: APPROVAL

Approved: [illegible] | Date: [illegible]

Drawing No. 19249 - 96 - A

sch4p4(6) Personal information

sch4p4(6) Personal information

DHOLZ PTY. LTD.
A.C.N. 009 989 968
LAGOON STREET
ONDIWINDI, Q. 4390

EARTHMOVING & CONSTRUCTION SUDHOLZ GOONDIWINDI

OFFICE: PHONE (07) 4671 1044
WORKSHOP: PHONE (07) 4671 2484
FAX: (07) 4671 2022
P.O. BOX 883

ENERGY POWER SYS
FAX 07 32721094
ATTN: DAVID SMITH

OFFICIAL ORDER
44251
PLEASE QUOTE ORDER NUMBER ON ALL INVOICES
DATE 12/7/00

EASE SUPPLY THE FOLLOWING GOODS —

ty.	Part No.	Replaced By	DESCRIPTION	Job No.	Price
			3306TA IND ENGINE	20009	
			ISLATION SWITCH	20009	
			WATER FLOW SAFTY	20009	
			CLUTCH FITTED, TO	20009	
			SUIT 26HBC40 PUMP.		
			NEW		
			NOTE: ENGINE		

ATCH PER DELIVERY TO SUDHOLZ OFFICE GOONDIWINDI, AS PER ADDRESS ABOVE.

'OLZ PTY. LTD.
sch4p4(6) Personal information

OFFICE USE ALLOCATION
DESCRIPTION:

CODE: (GL/JOB) 20009 – 30155 – M

TAX:
y quote Sales Tax Registration Number .....
f person authorised to quote .....
re of person authorised to quote .....

RTI BY RELEASE - DNRM

)HOLZ PTY. LTD.
A.C.N. 009 988 968
LAGOON STREET
GOONDIWINDI, Q. 4390

SUDHOLZ GOONDIWINDI

FAXED

OFFICE: PHONE (07) 4671 1044
WORKSHOP: PHONE (07) 4671 2484
FAX: (07) 4671 2022
P.O. BOX 883

CSR Humes Tamm

GRANT HALL

FAX 02 67652683

OFFICIAL ORDER
44496
PLEASE QUOTE ORDER NUMBER ON ALL INVOICES

DATE 31/7/00

FAXED

EASE SUPPLY THE FOLLOWING GOODS —

y.	Part No.	Replaced By	DESCRIPTION	Job No.	Price
1			HEAD WALL STRUCTURE AS QUOTED 21/6/00	20009	14,064.00

ATCH PER Delivery to Neils map following this page

OLZ PTY. LTD.

sch4p4(6) Personal information

OFFICE USE ALLOCATION

DESCRIPTION:

CODE: (GL/JOB) 20009 - 30020 - M

TAX:

quote Sales Tax Registration Number .....

f person authorised to quote .....

e of person authorised to quote .....

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RTI DL RELEASE - DNRM

DHOLZ PTY. LTD.
A.C.N. 009 989 968
LAGOON STREET
ONDIWINDI, Q. 4390

EARTHMOVING & CONSTRUCTION SUDHOLZ GOONDIWINDI

OFFICE: **PHONE (07) 4671 1044**
WORKSHOP: **PHONE (07) 4671 2484**
FAX: **(07) 4671 2022**
P.O. BOX 883

FLUID APPLICATION CONTROL
TECH PTY LTD
3/25 RICHLAND AVE COLD 4108
ATTN: TONY 32166522 OR BARRY

OFFICIAL ORDER
44272
PLEASE QUOTE ORDER NUMBER ON ALL INVOICES
DATE 16/8/00

EASE SUPPLY THE FOLLOWING GOODS —

ty.	Part No.	Replaced By	DESCRIPTION	Job No.	Price
			Filter assembly	20089	71.00
			Filter Breather	20089	21.00
			Level Gauge	20009	18.00
			Suction strainer	20009	25.50
		NEED ASAP			

FAXED

RTI DL RELEASE - DNRM

ATCH PER MANNS TRANSPORT
24 LAGOON ST GOONDIWINDI

HOLZ PTY. LTD.
sch4p4(6) Personal information
FAXED

OFFICE USE ALLOCATION
DESCRIPTION:
CODE: (GL/JOB) 20009-300051-M

S TAX:
y quote Sales Tax Registration Number .....
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ure of person authorised to quote .....
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'HOLZ PTY. LTD.
A.C.N. 009 989 968
LAGOON STREET
)NDIWINDI, Q. 4390

EARTHMOVING & CONSTRUCTION SUDHOLZ GOONDIWINDI

OFFICE: PHONE (07) 4671 1044
WORKSHOP: PHONE (07) 4671 2484
FAX: (07) 4671 2022
P.O. BOX 883

FAX

FLUID APPLICATION CONTROL
TECH. DYN LTD
3/23 RICHLAND AVE QLD 4108
ATTN: TONY 32166522

OFFICIAL ORDER
44495
PLEASE QUOTE ORDER NUMBER ON ALL INVOICES
DATE 3/7/00

'ASE SUPPLY THE FOLLOWING GOODS —

/.	Part No.	Replaced By	DESCRIPTION	Job No.	Price
1			Parmco A197-S	20009	720.00
1			4 Spool valve	20009	456.00
1			60 Lt Reservoir Compl.	20009	476.00
			SAE 100 R2 AT 06 3/8"		
17m			2 Wire hose	20009	→

'ATCH PER Delivery to SUDHOLZ 34 LAGOON ST. GOONDIWINDI

RTI DL RELEASE - DNRM

HOLZ PTY. LTD.
sch4p4(6) Personal information

OFFICE USE ALLOCATION
DESCRIPTION:
CODE: (GL/JOB) 20009 - 30005

S TAX:
by quote Sales Tax Registration Number .....
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)HOLZ PTY. LTD.
A.C.N. 009 989 968
LAGOON STREET
ONDIWINDI, Q. 4390

EARTHMOVING & CONSTRUCTION
SUDHOLZ
GOONDIWINDI

OFFICE: PHONE (07) 4671 1044
WORKSHOP: PHONE (07) 4671 2484
FAX: (07) 4671 2022
P.O. BOX 883

DPS FAXED

ATTN: GLEN McCAY

Eagle Farm, Brisbane QLD
4009 FAX 38581330

OFFICIAL ORDER
44497

PLEASE QUOTE ORDER NUMBER ON ALL INVOICES

DATE 3/7/00

:ASE SUPPLY THE FOLLOWING GOODS —

/.	Part No.	Replaced By	DESCRIPTION	Job No.	Price
1			1x 26HBC30 pumpset,	20009	
			including; frame,		
			Eccentric, check		
			valve, bend,		
			gearbox etc.		
			As previously		
			quoted. (STILL WAITING FOR)		26,100.00
			Engine to be delivered from CRS		
	CAT 3406C TA				

ATCH PER Delivery of pump unit
complete to SUDHOLZ
34 LAGOON ST, GOONDIWINDI

OLZ PTY LTD
sch4p4(6) Personal information

OFFICE USE ALLOCATION
DESCRIPTION:

CODE: (GL/JOB) 20009 – 300051 – M

TAX:
quote Sales Tax Registration Number .....
f person authorised to quote .....
e of person authorised to quote .....
.....

RTI DO RELEASE - DNRM

DHOLZ PTY. LTD.
A.C.N. 009 989 968
1 LAGOON STREET
)ONDIWINDI, Q. 4390

EARTHMOVING & CONSTRUCTION SUDHOLZ GOONDIWINDI

OFFICE: PHONE (07) 4671 1044
WORKSHOP: PHONE (07) 4671 2484
FAX: (07) 4671 2022
P.O. BOX 883

DPS FAXED
ATTN GLEN
FAX 38681330

OFFICIAL ORDER
44274
PLEASE QUOTE ORDER NUMBER ON ALL INVOICES
DATE 18/8/00

EASE SUPPLY THE FOLLOWING GOODS —

ty.	Part No.	Replaced By	DESCRIPTION	Job No.	Price
			M3 Vac pump +	20009 x 1	
			with 5 Hp Kubota	20116 x 1	
			engine Complete		
			with fittings,		

ATCH PER
34 LAGOON ST, GOONDIWINDI

RTI DL RELEASE - DIIRM

IOLZ PTY. LTD.
sch4p4(6) Personal information
FAXED

OFFICE USE ALLOCATION
DESCRIPTION: Vac pumps for Neville + Austins Downs
20009 — M
20116 — M
CODE: (GL/JOB)

S TAX:
y quote Sales Tax Registration Number
of person authorised to quote
ure of person authorised to quote

)HOLZ PTY. LTD.
A.C.N. 009 989 968
LAGOON STREET
ONDIWINDI, Q. 4390

FAX SUDHOLZ GOONDIWINDI

OFFICE: **PHONE (07) 4671 1044**
WORKSHOP: **PHONE (07) 4671 2484**
FAX: **(07) 4671 2022**
P.O. BOX 883

RODNEY INDUSTRIES PTY, LTD
19 VALENTE CL.
KEDRON QLD 4031
07 33599511

OFFICIAL ORDER
44493
PLEASE QUOTE ORDER NUMBER ON ALL INVOICES
DATE 3/7/00

:ASE SUPPLY THE FOLLOWING GOODS —

/.	Part No.	Replaced By	DESCRIPTION	Job No.	Price
3	G101500	300251	ϕ1500mm 10m High ~~high~~ head channel gates hydraulic operators.	20009	
1	G101200	250151	ϕ1200mm 10m High head channel gate, hydraulic operator.	20009	

ATTENTION: PLEASE CONTACT JOHN C. FOR WELD ON SPIGOTS 51205.

ATCH PER Delivery to Sudholz workshop, Goondiwindi

)LZ PTY. LTD.
sch4p4(6) Personal information

OFFICE USE ALLOCATION
DESCRIPTION:

CODE: (GL/JOB) 20009 – 300251 – M
20009 – 250151 – M

TAX:
quote Sales Tax Registration Number .....
f person authorised to quote .....
e of person authorised to quote .....
.....

RTI DL RELEASE - DNRM

Energy Power Systems

Energy Power Systems Australia Pty Ltd ACN 055 274 614

From Queensland Office:
6 Overlord Place
Acacia Ridge Q 4110
Fax No: (07) 3272 1094

Page 1 of 1

FACSIMILE TRANSMISSION

TO : Ben Bomford CC

OF : Sudholz PTY LTD

FAX No. :

FROM : Dave Smith

DATE : 12/7/00 Our Ref. EPSQ

Please telephone (07) 3272 1677 if there are any problems with transmission.
All goods and services provided to EPSA are to be "Year 2000 compliant".

RE QUOTATION
DNS 0464

Ben.

Pricing for Clutch & Isolation Switch NOT included.

PRICE FOR THESE IS

SP214 P1 REAR PTO $4048-00

CAT Isolation Switch 7N0718 $ 93-00

$4141-00

Including G.S.T

Thanks and Regards,
Energy Power Systems Australia Pty Ltd

sch4p4(6) Personal information

Dave Smith
Sales Engineer
Industrial & Mobile Equipment

RTI DL RELEASE - DNRM

Collection Tone

Energy Power Systems

Energy Power Systems Australia Pty. Ltd. A.C.N. 055 274 514

REFER ORDER. 44251

12-Jul-00

Quote No.DNS0467 - 01

FAXED
12 JUL 2000
BY.....

The Manager
Sudholz Pty Ltd
Lagoon Street
Goondiwindi 4390

Attention: Ben Bomford
Subject: 3306TA 275HP IRR PACK

Dear Sir,

We thank you for your valued inquiry and submit our quotation for the supply of Caterpillar equipment.

The Caterpillar, Energy Power Systems and Hastings Deering network provides a parts and after sales service that sets the industry standard, and is available to all Caterpillar owners for the lifetime of the equipment.

Details of our scope of supply, terms and conditions are given hereunder:-

One (1) only new Caterpillar 3306TA Industrial engine rated at 275bhp @ 2000rpm Industrial "B" rating.

Price for the equipment offered, FOT cash ex-works Acacia Ridge basis is ***A$37,012-00*** *Inclusive of GST.*

Details of Standard Consists, Ancillary Equipment and Terms & Conditions are provided on the following pages attached to this quotation.

Should you have any queries or require additional application assistance, please do not hesitate to contact us.

Yours faithfully
ENERGY POWER SYSTEMS AUSTRALIA PTY LTD

sch4p4(6) Personal information

Dave Smith
07 3272 1677

RTI DL RELEASE - DNRM

HEAD OFFICE, VICTORIA & TASMANIA
47-51 Westpool Drive,
Hallam, Vic. 3803
Tel: (03) 9703 4000
Fax: (03) 9703 4004
Email: epsa@energypower.com.au

QUEENSLAND
6 Overlord Place,
Acacia Ridge, Brisbane
P.O. Box 6165,
Acacia Ridge MDC, Qld. 4110
Tel: (07) 3272 1677
Fax: (07) 3272 1094

NEW SOUTH WALES & A.C.T.
Unit 4,
17-37 Wollongong Road,
Arncliffe, N.S.W. 2205
Tel: (02) 9556 1900
Fax: (02) 9567 1540

SOUTH AUSTRALIA & N.T.
299 Churchill Road,
Prospect, S.A. 5082
Tel: (08) 8269 2722
Fax: (08) 8344 9059
DARWIN
Tel: (08) 8941 4309
Fax: (08) 8941 4312

WESTERN AUSTRALIA
514 Abernathy Road,
Kewdale, Perth
P.O. Box 132,
Cloverdale, W.A. 6985
Tel: (08) 9353 2299
Fax: (08) 9353 3228

All goods & services provided to EPSA are to be Year 2000 compliant

STANDARD CONSIST

3306

AIR INLET SYSTEM
AIR CLEANER, REGULAR DUTY, DRY, ROUND TYPE

CONTROL SYSTEM
GOVERNOR, HYDRA-MECHANICAL (GOVERNOR CONTROL REQUIRED)

COOLING SYSTEM
THERMOSTATS AND HOUSING
JACKET WATER PUMP, GEAR DRIVEN, CENTRIFUGAL

EXHAUST SYSTEM
EXHAUST MANIFOLD, DRY
EXHAUST OUTLET, DRY, FLANGED

FLYWHEELS & FLYWHEEL HOUSINGS
FLYWHEEL, SAE NO. 1
FLYWHEEL HOUSING, SAE NO. 1
SAE STANDARD ROTATION

FUEL SYSTEM
FUEL FILTER
FUEL TRANSFER PUMP
FUEL PRIMING PUMP

INSTRUMENTATION
INSTRUMENT PANEL, RH
ENGINE OIL PRESSURE GAUGE
FUEL PRESSURE GAUGE
WATER TEMPERATURE GAUGE
SERVICE METER

LUBE SYSTEM
CRANKCASE BREATHER
OIL COOLER
OIL FILLER AND DIPSTICK, LH
OIL FILTER
OIL PAN, FRONT SUMP

MOUNTING SYSTEM
FRONT SUPPORTS (TWO POINT HOLD DOWN)
REAR SUPPORT

RTI SE RELEASE - DNRM

GENERAL

PAINT, CATERPILLAR YELLOW
VIBRATION DAMPER
LIFTING EYES

ANCILLARY EQUIPMENT

Part #	Qty	Description
2N-3322	1	SERVICE INDICATOR
130-6859	1	PRECLEANER
8M-7892	1	AMMETER GAUGE 24 V
PL-4688	1	CHARGING ALTERNATOR 24V 45 AMP
4N-4600	1	VERNIER & POS LOCK GOV CONTROL
4N-4686	1	BLOWER FAN
PL-5358	1	RADIATOR
PL-2375	1	FAN DRIVE 1:1 RATIO
5N-6177	1	MUFFLER
5N-0379	1	FLEXIBLE FUEL LINES
1W-5374	1	FUEL PRIMING PUMP & FILTER
PA-2024	1	DIGITAL TACHOMETER
0P-9306	1	LUBRICATING OIL
4W-0276	1	FUMES DISPOSAL
PA-2237	1	ELECTRIC SHUTOFF OP/WT
1W-5635	1	ELECTRIC STARTING MOTOR - 24 V
9X3040	1	WATER FLOW SWITCH

OPITIONAL EQUIPMENT

SP214 P1 Rear PTO installed	$4048-00
7N0718 Isolation Switch	$ 93-00
Price inclusive of GST	**$4141-00**

Delivery
Plant offered is currently ex our works and would be available for delivery in 10 days from receipt of your formal order. Please note however that this equipment is offered subject to prior sale.

Validity
This offer is valid and open for acceptance according to the quoted terms and conditions for a period of 30 days from the quotation date.

Warranty
The standard Caterpillar warranty would apply to all items of Caterpillar manufacture covered by our attached quotation. This warranty is detailed on the warranty certificate form enclosed for your perusal. All other items will be covered by the standard manufacturers warranty. Your signed order form or instruction will identify that the relevant Caterpillar warranty has been received and accepted.

RTI DE RELEASE - DNRM

Price Basis
This offer has been developed on the following basis:

Labour and Materials
The price is fixed and not subject to variations in labour and materials, except as detailed hereunder in exchange variation.

Exchange Variation
The imported content of our offer is 100% and this is subject to exchange variation against a base rate of ***A$1.00 = US$0.69.*** Any variation against this base rate calculated by reference to the actual rate at which Energy Power Systems pays its overseas suppliers is a variation from this quotation. This variation is your responsibility and will be debited or credited accordingly.

Customs Duty and Customs Clearance
Included in our offer is the appropriate Customs Import Duty and clearance charges applicable at the time of quotation. Any changes in these charges due to Government decisions or whatever will credit or debit to your account.

Freight and Marine Insurance
Our bid allows for normal packing, marine freight and insurance to the quoted delivery point.

Government Charges, Levies, etc.
GST, Government debits, levies or any other charges have been included in our offer and, as such, would be your responsibility to pay.

Total exclusive of GST	$33648-00
GST @ 10%	$ 3364-00
Price Inclusive of GST	$37012-00 Not including Opitional Equipment

The GST amount and GST inclusive price have been included here to comply with guidelines issued by the Australian Taxation Office and will apply to that part of the quotation which is supplied after 1 July 2000. Most businesses, however, will be able to recover the above GST as a GST input credit and you should consult your accountant or advisor in this regard.

Terms of Payment
Our price unless stated elsewhere in this quotation has been based on the following terms of payment:-
Cash ex works Acacia Ridge.

Rating
The equipment offered in this quotation is subject the manufacturers output rating under conditions set out below.

RTI DL RELEASE - DNRM

Industrial "B" Ratings
For service where power and/or speed are cyclic.
Time at full load is not to exceed 80% of the duty cycle.
Typical examples are: Irrigation where normal pump demand is 85% of engine rating, oil field mechanical pumping/drilling, stationary/plant air compressors.

RTI DL RELEASE - DNRM

GENERAL TERMS AND CONDITIONS OF SALE

VALIDITY:
This offer to purchase is open for consideration and valid for thirty (30) days from the date of quotation unless otherwise stated, and is not binding on ENERGY POWER SYSTEMS AUSTRALIA PTY LTD ACN 055 274 514 ("company" and / or "EPSA") until accepted in writing by a duly authorised officer of the company. Unless otherwise stated in writing, prices are subject to any variations to currency exchange rates, ocean freight rates or marine insurance charges occurring up to time of delivery. Any other variations that may be applicable, such as labour and materials, etc, will be nominated in writing as part of the quotation. The prices given are based on exchange rate as stated in quotation. Prices are subject to Purchaser's order being for the whole amount mentioned in the quotation.

SALES TAX:
Sales Tax has not been included in the prices quoted unless stated and would be extra, if applicable. Sales Tax or any Taxes, Goods and Services Tax, Levies or charges which are imposed by any Government or taxing authority are to be paid by the Purchaser. The Purchaser hereby indemnifies EPSA for any loss, damage, costs or penalties it may suffer where insufficient Sales Tax is paid or the Purchaser's claim to an exemption from Sales Tax is denied by the authority.

DELIVERY:
EPSA gives no warranty in respect to delivery times. No liability will be accepted by EPSA in respect of any claims through or in connection with the delivery of goods. If at any time before delivery by reason of any cause whatsoever beyond the control of EPSA, the company is prevented from making delivery at the time stipulated, EPSA shall be entitled to determine the contract and the Purchaser shall not in consequence have any claim for damages but without prejudice to the rights of the company to recover all sums owing to it in respect of deliveries made or services performed prior to the date of such determination or to recover all payments made or expenses incurred by EPSA in connection with the contract. EPSA is not responsible for any delays due to strikes, shipping troubles or due to any other cause beyond the control of EPSA. Except as provided above after an order has been accepted by EPSA such order shall not be subject to cancellation without the written consent of both parties. The liability of EPSA for damages of any breach of the contract shall (subject to any other limitations herein contained) be limited to general damages and EPSA shall not be responsible for any special or consequential damages suffered by the Purchaser. In cases where EPSA accepts responsibility for delivery by rail, ship, aircraft or other vehicle, the Purchaser will be responsible for immediate examination of goods after arrival at destination and in the event of any goods arriving in a damaged condition must report the matter in writing to the company. No claim for goods damaged in transit will be entertained unless made within three (3) days after arrival at destination. Unless expressly agreed, the responsibility of EPSA ceases on goods being delivered to place of delivery. Should work of any kind be carried out by EPSA on the Purchaser's or any other premises the company shall not be liable for any loss or damage occasioned by the Purchaser or contractors arising from any cause connected in any way with such work.

TERMS OF PAYMENT:
Unless otherwise stated in writing, payment must be nett cash ex works before delivery. Nothing in this document shall confer upon the Purchaser any right to delay payment for the goods sold.

TRADE IN 30 DAYS:
If a trade-in is applicable, the value of such trade-in is valid for 30 days from date of appraisal providing the condition of the trade-in when received is similar to that when originally appraised. EPSA reserves the right to re-assess the amount offered for trade-in in the event of these conditions not being met.

TITLE:
As long as the Purchaser owes EPSA any part of the price of the goods supplied at any time, EPSA shall retain the legal title to all such goods supplied and not yet used or resold in the ordinary course of business. When such goods are used, the legal title remains vested in EPSA. Such goods, whether used or unused may only be sold by the Purchaser to bona fide customers for market value in the ordinary course of business and the proceeds of sale shall be received by the Purchaser as agents of EPSA and on their account and shall be kept separate and on trust from other monies of the Purchaser. If goods are in the possession of a Purchaser to which the title has not passed the Purchaser is under an obligation to retain them in a good and merchantable condition and to ensure that they are stored separately and otherwise kept the same in such a manner which clearly identifies them as the goods of EPSA. If goods are in the possession of the Purchaser to which title has not passed, EPSA shall have a right of inspection of such goods; a right of repossession of such goods; and a right of entry on to the Purchaser's premises to give effect to those rights. Notwithstanding that the title to such goods has not passed to the Purchaser, the party who has possession of such goods shall accept all liability for damages to the goods or to any person or property.

INSURANCE:
Until delivery of title, EPSA may insure the goods and shall receive any and all benefit from any proceeds paid pursuant to a claim upon such insurance.

CATERPILLAR ENGINE APPLICATION & INSTALLATION:
The Purchaser recognises the need for the proper Application and Installation of Caterpillar Engines. To assist in the proper selection, application and installation of Caterpillar Engines, the following services are available: (a) Assistance in the selection of correct engine model, (b) Installation audit during the course of installation, (c) Engine installation audit and/or Sea Trials.

WARRANTY:
The equipment sold to the Purchaser is subject to any warranties that may apply from time to time from the manufacturer of the equipment but is not further warranted by EPSA subject at all times to the Purchaser's rights which continue to apply under the Trade Practices Act 1974 (as amended). This warranty is given to the exclusion of all other warranties, conditions, guarantees or liabilities whether expressed or implied by statute, by common law or otherwise. If this sale involves equipment or engines from more than one manufacturer, this clause shall be interpreted so that the relevant engine or equipment shall only be covered by any warranty from its manufacturer, subject to the Trade Practices Act 1974 (as amended).

GENERAL:
Recommendations concerning performance, dimensional information, operating costs and applications contained in these general terms and conditions of sale, or any other communication prepared by EPSA or their suppliers, viz. Caterpillar Inc., are intended as guidelines only. Owing to the many variables peculiar to specific applications, neither EPSA nor their suppliers, viz. Caterpillar Inc., expressly or implicitly warrant that equipment will perform as estimated.

JURISDICTION:
The legal jurisdiction of any dispute in relation to these terms and conditions shall be the State of Victoria in the Commonwealth of Australia and EPSA may institute and prosecute legal proceedings in this jurisdiction which shall be accepted as the proper jurisdiction by the Purchaser provided however that EPSA may in its complete and absolute discretion elect to bring legal proceedings in the appropriate court in any other state or territory of the Commonwealth of Australia which is most convenient to EPSA in relation to sales emanating from a division or office of EPSA other than its Head Office within the State of Victoria.

RTI RELEASE - DI RAM

Energy Power Systems

Energy Power Systems Australia Pty. Ltd. A.C.N. 055 274 514

REFER ORDER 44251

12-Jul-00

Quote No:DNS0467 - 01

The Manager
Sudholz Pty Ltd
Lagoon Street
Goondiwindi 4390

19th

Attention: Ben Bomford
Subject: 3306TA 275HP IRR PACK

Dear Sir,

We thank you for your valued inquiry and submit our quotation for the supply of Caterpillar equipment.

The Caterpillar, Energy Power Systems and Hastings Deering network provides a parts and after sales service that sets the industry standard, and is available to all Caterpillar owners for the lifetime of the equipment.

Details of our scope of supply, terms and conditions are given hereunder:-

One (1) only new Caterpillar 3306TA Industrial engine rated at 275bhp @ 2000rpm Industrial "B" rating.

Price for the equipment offered, FOT cash ex-works Acacia Ridge basis is ***A$37,012-00*** *Inclusive of GST.*

Details of Standard Consists, Ancillary Equipment and Terms & Conditions are provided on the following pages attached to this quotation.

Should you have any queries or require additional application assistance, please do not hesitate to contact us.

Yours faithfully,
ENERGY POWER SYSTEMS AUSTRALIA PTY LTD

sch4p4(6) Personal information

Dave Smith
07 3272 1677

RTI DL RELEASE - DNRM

HEAD OFFICE, VICTORIA & TASMANIA
47-51 Westpool Drive, Hallam, Vic. 3803
Tel: (03) 9703 4000
Fax: (03) 9703 4004
Email: epsa@energypower.com.au

QUEENSLAND
6 Overlord Place, Acacia Ridge, Brisbane
P.O. Box 5165, Acacia Ridge MDC, Qld. 4110
Tel: (07) 3272 1677
Fax: (07) 3272 1094

NEW SOUTH WALES & A.C.T.
Unit 4, 17-37 Wollongong Road, Arncliffe, N.S.W. 2205
Tel: (02) 9556 1900
Fax: (02) 9567 1840

SOUTH AUSTRALIA & N.T.
299 Churchill Road, Prospect, S.A. 5082
Tel: (08) 8269 2722
Fax: (08) 8344 9059
DARWIN
Tel: (08) 8941 4300
Fax: (08) 8941 4312

WESTERN AUSTRALIA
514 Abernethy Road, Kewdale, Perth
P.O. Box 432, Cloverdale, W.A. 6985
Tel: (08) 9353 2299
Fax: (08) 9353 3228

All goods & services provided to EPSA are to be Year 2000 compliant

STANDARD CONSIST

3306

AIR INLET SYSTEM
AIR CLEANER, REGULAR DUTY, DRY, ROUND TYPE

CONTROL SYSTEM
GOVERNOR, HYDRA-MECHANICAL (GOVERNOR CONTROL REQUIRED)

COOLING SYSTEM
THERMOSTATS AND HOUSING
JACKET WATER PUMP, GEAR DRIVEN, CENTRIFUGAL

EXHAUST SYSTEM
EXHAUST MANIFOLD, DRY
EXHAUST OUTLET, DRY, FLANGED

FLYWHEELS & FLYWHEEL HOUSINGS
FLYWHEEL, SAE NO. 1
FLYWHEEL HOUSING, SAE NO. 1
SAE STANDARD ROTATION

FUEL SYSTEM
FUEL FILTER
FUEL TRANSFER PUMP
FUEL PRIMING PUMP

INSTRUMENTATION
INSTRUMENT PANEL, RH
ENGINE OIL PRESSURE GAUGE
FUEL PRESSURE GAUGE
WATER TEMPERATURE GAUGE
SERVICE METER

LUBE SYSTEM
CRANKCASE BREATHER
OIL COOLER
OIL FILLER AND DIPSTICK, LH
OIL FILTER
OIL PAN, FRONT SUMP

MOUNTING SYSTEM
FRONT SUPPORTS (TWO POINT HOLD DOWN)
REAR SUPPORT

RTI FOR RELEASE - DNRM

GENERAL

PAINT, CATERPILLAR YELLOW
VIBRATION DAMPER
LIFTING EYES

ANCILLARY EQUIPMENT

Part #	Qty	Description
2N-3322	1	SERVICE INDICATOR
130-6859	1	PRECLEANER
8M-7892	1	AMMETER GAUGE 24 V
PL-4688	1	CHARGING ALTERNATOR 24V 45 AMP
4N-4600	1	VERNIER & POS LOCK GOV CONTROL
4N-4686	1	BLOWER FAN
PL-5358	1	RADIATOR
PL-2375	1	FAN DRIVE 1:1 RATIO
5N-6177	1	MUFFLER
5N-0379	1	FLEXIBLE FUEL LINES
1W-5374	1	FUEL PRIMING PUMP & FILTER
PA-2024	1	DIGITAL TACHOMETER
0P-9306	1	LUBRICATING OIL
4W-0276	1	FUMES DISPOSAL
PA-2237	1	ELECTRIC SHUTOFF OP/WT
1W-5635	1	ELECTRIC STARTING MOTOR - 24 V
9X3040	1	WATER FLOW SWITCH

RTI DL RELEASE - DNRM

Delivery

Plant offered is currently ex our works and would be available for delivery in 10 days from receipt of your formal order. Please note however that this equipment is offered subject to prior sale.

Validity

This offer is valid and open for acceptance according to the quoted terms and conditions for a period of 30 days from the quotation date.

Warranty

The standard Caterpillar warranty would apply to all items of Caterpillar manufacture covered by our attached quotation. This warranty is detailed on the warranty certificate form enclosed for your perusal. All other items will be covered by the standard manufacturers warranty. Your signed order form or instruction will identify that the relevant Caterpillar warranty has been received and accepted.

Price Basis
This offer has been developed on the following basis:

Labour and Materials
The price is fixed and not subject to variations in labour and materials, except as detailed hereunder in exchange variation.

Exchange Variation
The imported content of our offer is 100% and this is subject to exchange variation against a base rate of ***A$1.00 = US$0.59.*** Any variation against this base rate calculated by reference to the actual rate at which Energy Power Systems pays its overseas suppliers is a variation from this quotation. This variation is your responsibility and will be debited or credited accordingly.

Customs Duty and Customs Clearance
Included in our offer is the appropriate Customs Import Duty and clearance charges applicable at the time of quotation. Any changes in these charges due to Government decisions or whatever will credit or debit to your account.

Freight and Marine Insurance
Our bid allows for normal packing, marine freight and insurance to the quoted delivery point.

Government Charges, Levies, etc.
GST, Government debits, levies or any other charges have been included in our offer and, as such, would be your responsibility to pay.

Total exclusive of GST	$33648-00
GST @ 10%	$ 3364-00
Price inclusive of GST	$37012-00

The GST amount and GST inclusive price have been included here to comply with guidelines issued by the Australian Taxation Office and will apply to that part of the quotation which is supplied after 1 July 2000. Most businesses, however, will be able to recover the above GST as a GST input credit and you should consult your accountant or advisor in this regard.

Terms of Payment
Our price unless stated elsewhere in this quotation has been based on the following terms of payment:-
Cash ex works Acacia Ridge.

Rating
The equipment offered in this quotation is subject the manufacturers output rating under conditions set out below.

Industrial "B" Ratings
For service where power and/or speed are cyclic.
Time at full load is not to exceed 80% of the duty cycle.
Typical examples are: Irrigation where normal pump demand is 85% of engine rating, oil field mechanical pumping/drilling, stationary/plant air compressors.

RTI DLRELEASE - DNRM

Release

GENERAL TERMS AND CONDITIONS OF SALE

VALIDITY:
This offer to purchase is open for consideration and valid for thirty (30) days from the date of quotation unless otherwise stated, and is not binding on ENERGY POWER SYSTEMS AUSTRALIA PTY LTD ACN 055 274 514 ("company" and / or "EPSA") until accepted in writing by a duly authorised officer of the company. Unless otherwise stated in writing, prices are subject to any variations to currency exchange rates, ocean freight rates or marine insurance charges occurring up to time of delivery. Any other variations that may be applicable, such as labour and materials, etc, will be nominated in writing as part of the quotation. The prices given are based on exchange rate as stated in quotation. Prices are subject to Purchaser's order being for the whole amount mentioned in the quotation.

SALES TAX:
Sales Tax has not been included in the prices quoted unless stated and would be extra, if applicable. Sales Tax or any Taxes, Goods and Services Tax, Levies or charges which are imposed by any Government or taxing authority are to be paid by the Purchaser. The Purchaser hereby indemnifies EPSA for any loss, damage, costs or penalties it may suffer where insufficient Sales Tax is paid or the Purchaser's claim to an exemption from Sales Tax is denied by the authority.

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RTI DOCUMENT - DO NOT RELEASE

Water Management and Use
Prepared by: Seamus Parker
Manager, Water Reform
Brisbane
Telephone: 322 51903
IRM/325/000(0131)

Ref CTS 00699/02

25 FEB 2002

DOCUMENT RECEIVED BY DNR
26 FEB 2002
File No. IRM/325/000(0131)
File Location D. GRUNERT 30/01/02
Action By N.F.A.
Registered (Y) N Doc. Code IR02/00543
MOVEMENT INSTRUCTIONS MUST BE SHOWN ON FRONT COVER.

Mr D B and Mrs K A Coulton
Morella Agriculture
PO Box 616
Goondiwindi Qld 4390

Dear Mr and Mrs Coulton

I refer to your application of 21 November 2001 to vary the effect of the moratorium.

I wish to advise that I have approved your application and you are:

- granted until 30 August 2002 to complete the started works; and
- allowed to complete the works as requested in the application.

However, I would emphasise that, although your application has been approved, specification of a water entitlement for your property is subject to the outcome of the water resource planning process.

Should you have any queries regarding your extension, please contact Mr Robert Speed, Principal Policy Officer, Water Reform of my Department on telephone 3405 6989.

Yours sincerely

SIGNED

STEPHEN ROBERTSON MP

RTI DE RELEASE - DNRM

Ms Lyn Seymour
Chair
Moratorium Referral Panel
96 Shamrock Street
Blackall QLD 4472

Mr Stephen Robertson
Minister for Natural Resources and Minister for Mines
Mineral House
41 George Street
Brisbane QLD 4000

Dear Minister,

Application for Extension – DB & KA Coulton

I refer to the application by DB & KA Coulton to vary the effect of a moratorium.

The referral panel has considered the application and recommends that you grant extension requested. To that effect, the panel recommends the applicant:

- be granted until 30 August 2002 to complete the started works; and
- be allowed to complete the works requested in the application.

Please contact me on (07) 4657 4889 if I can provide any further assistance in relation to this matter.

Yours Sincerely,

sch4p4(6) Personal information

Lyn Seymour
Chair
Moratorium Referral Panel

5 February 2002

MORATORIUM REFERRAL PANEL RECOMMENDATION

1. APPLICANT(S)	David Coulton
2. DATE RECEIVED BY REFERRAL PANEL	05/02/02.
3. PANEL MEMBERS	☑ LYNETTE SEYMOUR (CHAIR) ☑ VERN DONOVAN ☑ GEOFF LAWRENCE ☑ ANN PORTESS ☑ STEVEN RAINE ☑ MARY MAHER
4. INFORMATION CONSIDERED BY PANEL ✓ WHICHEVER IS APPLICABLE	☑ APPLICATION MATERIAL FROM APPLICANT ☑ REPORT PROVIDED BY NR&M ☐ FURTHER INFORMATION PROVIDED BY APPLICANT ☐ INTERVIEW WITH APPLICANT ☐ SITE INSPECTION ☐

DETAILS OF APPLICATION

5. REQUESTED DATE FOR EXTENSION	June 2002
6. DESCRIPTION OF WORKS SUBJECT TO APPLICATION	Pump Site
7. GROUNDS FOR APPLICATION ✓ WHICHEVER IS APPLICABLE	☑ WORKS SUBSTANTIALLY COMPLETED; OR ☑ WORKS DELAYED BY CHANGE IN CIRCUMSTANCES (PROVIDE DETAILS) - changes in project specification & equipment supply

RTI DL RELEASE - DNRM

MORATORIUM REFERRAL PANEL RECOMMENDATION

R & R

PANEL'S COMMENTS

8. PANEL'S COMMENTS ON GROUNDS FOR APPLICATION (INCLUDING COMMENTS ON WORK REQUIRED TO BE COMPLETED)	Complete installation of pump site. This is necessary to make the development functional.

RECOMMENDATION

9. ✓ WHICHEVER IS APPLICABLE	☑ APPROVE ☐ APPROVE IN PART ☐ NOT APPROVE
10. IF RECOMMEND APPROVAL – EXTENT OF WORK WHICH SHOULD BE APPROVED	
11. IF RECOMMEND APPROVAL – NEW COMPLETION DATE WHICH SHOULD BE IMPOSED	30 ~~June~~ August 2002.
12. OTHER COMMENTS	
13. IS RECOMMENDATION OF THE PANEL UNANIMOUS ✓ WHICHEVER IS APPLICABLE	☑ YES ☐ NO
14. IF NO, EXPLAIN REASONS FOR DISAGREEMENT	
SIGNED	sch4p4(6) Personal information
DATED	05/02/02

RTI DL RELEASE - DNRM

FURTHER NOTES (IF REQUIRED)

ITEM NO.	NOTES

RTI DL RELEASE - DNRM

Author: Robert Speed
File number: IRM/085/000(0050)
Unit: Water Reform
Phone: 3405 6989

COPY

31 January 2001

Ms Lyn Seymour
Chair, Moratorium Referral Panel
96 Shamrock St
BLACKALL QLD 4472

Dear Ms Seymour

Applications to vary effect of a moratorium

Please find enclosed applications made by the following persons to vary the effect of a moratorium notice:

- s.73 irrelevant information
- DB & KA Coulton;
- s.73 irrelevant information

In accordance with section 1004A of the *Water Act 2000*, would you please provide your recommendation in respect of the application to the Minister within 20 business days of the date you receive this letter. If you require any assistance with respect to the application please contact Robert Speed on (07) 3405 6989.

Yours sincerely

sch4p4(6) Personal information

for Seamus Parker
Manager Water Reform

Copy: Ms Anne Portess
Dr Steven Raine
Ms Mary Maher
Mr Vern Donovan
Prof Geoffrey Lawrence

Level 6
Mineral House
41 George Street
Brisbane Qld 4000
GPO Box 2454
Queensland 4001 Australia
Telephone + 61 7 3225 1903
Facsimile + 61 7 3406 2190
Website www.dnr.qld.gov.au

NATURAL RESOURCES and MINES
OFFICE MEMO

Your Ref.: **Our Ref.:** CBM
Author: Mark Wheeler **Telephone:** 46881006 **Facsimile:** 46881188

DATE: 18 January 2002

FROM: Mark Wheeler, Senior Technical Officer

TO: Robert Speed, Senior Policy Officer, Water Reform

SUBJECT: **REPORT ON APPLICATION FOR EXTENSION OF COMPLETION DATE –(D COULTEN - TOOBEAH)**

RECOMMENDATION

That the attached report be included with the application from David Coulten of Goondiwindi who is seeking an extension of the 30 November 2001 completion date.

BACKGROUND

Umapati Yadav of Goondiwindi Office carried out an inspection of the works on 8 January 2002. A report and other relevant information are attached.

This application can now proceed to the Minister for Natural Resources & Mines.

sch4p4(6) Personal information

Mark Wheeler
SENIOR TECHNICAL OFFICER
TOOWOOMBA

Att (1) – Report and other relevant information.

DOCUMENT RECEIVED BY DNR
21 JAN 2002
File No. IRM/325/000(0131)
File Location R. SPEED 30/11/01
Action By WMU00045 R. SPEED
Registered Y/ N Doc. Code IR02/00223
MOVEMENT INSTRUCTIONS MUST BE SHOWN ON FRONT COVER.

Queensland Government
Department of Natural Resources

Moratorium Notice – *Water Act 2000*
Field Inspection Sheet

CLIENT DETAILS

Applicant Name: David & Kim Coulton **Date of submission:** 26/11/2001

Address: Morella Agriculture, PO Box 616 Goondiwindi Q4390 **Property description: Lot 1, CVN160**

Contact Phone Number/s: 0746 762 198

REPORT ON WORKS

Detailed description of project, proposed works, etc. *[include original documentation supplied by applicant as attachments]*

(1) Pump Station – 2 x 26" pumps
(2) Ring tanks (4,000 ML)
The project is part of an irrigation scheme of 2000 ha.

(please see the Department's letter dated November 16, 2001 and letter sent by applicant dated 8/12/2000 and plans of the proposed works)

Description of current status of works: *[include photos as attachments]*

The construction works for ring tank has been completed including pipe and gate works under embankment (See Photo-30). Excavation works on the pump site commenced (See Photo-29). Pump has been purchased and ordered for shipment from USA.

Description of work needed to complete project:

The applicant needs to complete installation 2 x 26" pumps.

RTI DL RELEASE - DNRM

ASSESSMENT AGAINST STARTED CRITERIA

Does the applicant meet started criteria x **Yes** ❑ **No**

COMMENTS ON STARTED CRITERIA

Criteria	Comments
	See the Department's letter dated November 16, 2000. The application was for 2 ring tanks (4000 and 2000 ML) and 2 x 26" pumps. The applicant is currently seeking extension for 2 x 26" pumps installed to be for 4000 ML ring tank.

SUPPORTING DOCUMENTATION

List details of supporting documentation: *[ie photographs, drawings]*

Photographs and maps of the area attached.

RTI DL RELEASE - DNRM

NOTES OR ADDITIONAL COMMENTS SUPPLIED BY APPLICANT *[attach any additional written notes from applicant]*

(1) Please see the attached letter by applicant.
(2) It is very important for applicant that the proposal be approved as he has already ordered the pump and built the dam costing around $1 million. The works would have been completed if there had not been problems of unreliable supply with power provider as mentioned in the letter.

Does applicant wish to speak to panel? **x** **Yes** ☐ **No**

Queensland Government
Department of Natural Resources

ACTION REQUIRED

Further Action/Information required? ❑ **Yes** x **No**

Any other comments? *[ie Comments on any consequences if completion not allowed]*

Comment by the Applicant:
The decision that completion not allowed might cause severe financial hardship to me, and therefore, I would be willing to take all steps necessary to avoid such consequences as it is no fault of my own, but the power company was misleading in our meetings to give continuity of electricity.

Prepared By: **Umapati Yadav** **Date of inspection:** **8/1/2002**

RTI DL RELEASE - DNRM



RTI DL RELEASE - DNRM


RTI DL RELEASE - DNRM

NATURAL RESOURCES and MINES
OFFICE MEMO

Your Ref.: **Our Ref.:** CBM 100/1
Author: Mark Wheeler **Telephone:** (07) 346881006 **Facsimile:** 46881188

DATE: 28 November 2001

FROM: Mark Wheeler, Senior Technical Officer

TO: Robert Speed, Senior Policy Officer, Water Reform Unit

SUBJECT: **APPLICATIONS TO VARY COMPLETION DATE FOR MORATORIUM NOTICE**

RECOMMENDATION
That the attached applications be registered on the statewide database and that they be held over for sending to the Minister's Office until a report on the application from Department of Natural Resources and Mines is provided.

BACKGROUND

The following applications have been received at the Toowoomba Office for extension of the completion date:

Name	Location	Basin
s.73 irrelevant information		
Coulton	Goondiwindi	Border Rivers
s.73 irrelevant information		

Reports will completed as soon as possible, and then forwarded to you.

sch4p4(6) Personal information

Mark Wheeler
SENIOR TECHNICAL OFFICER
TOOWOOMBA
Att (6) –6 X Applications

DOCUMENT RECEIVED BY DNR
29 NOV 2001
File No. IRM/325/000(0126)
File Location NEW
Action By WMU00045 R. SPEED
Registered (Y) / N Doc. Code IR01/04477
MOVEMENT INSTRUCTIONS MUST BE SHOWN ON FRONT COVER.