

Cross Section

**NELSON
CITY
COUNCIL**

**CLEARWATER RUNOFF
DIVERSION BUND**

ASSET MANAGEMENT DIVISION

APPROVED

MANAGER INFRASTRUCTURAL ASSETS

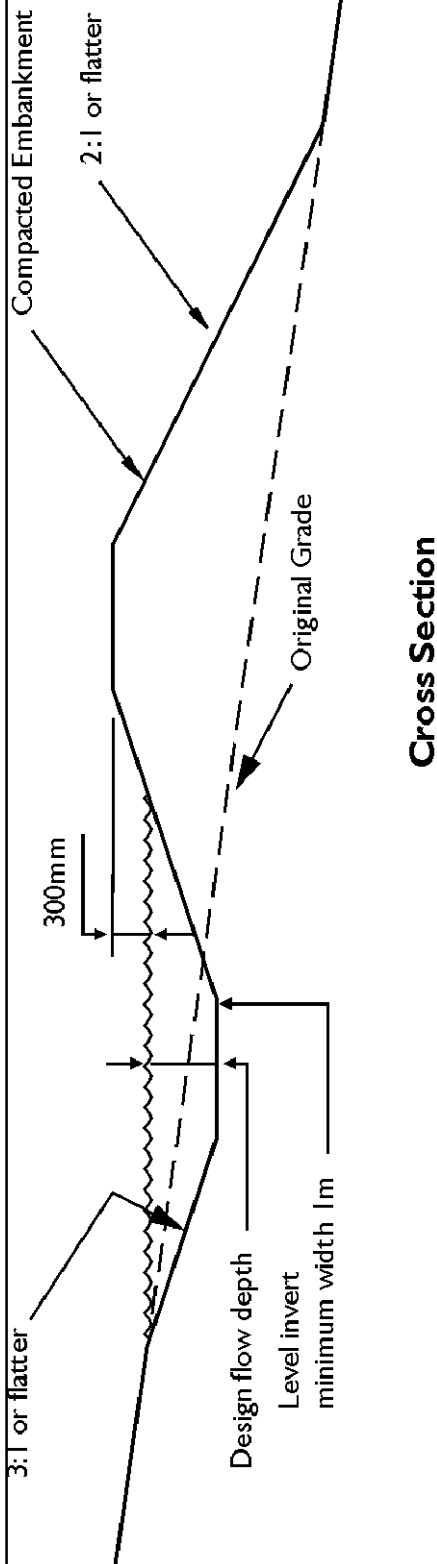
Feb. 2006

DATE

PLAN No.

21/800

SHEET 1



Cross Section

**NELSON
CITY
COUNCIL**

**RUNOFF DIVERSION
CHANNEL**

ASSET MANAGEMENT DIVISION

APPROVED

MANAGER INFRASTRUCTURAL ASSETS

Feb. 2006

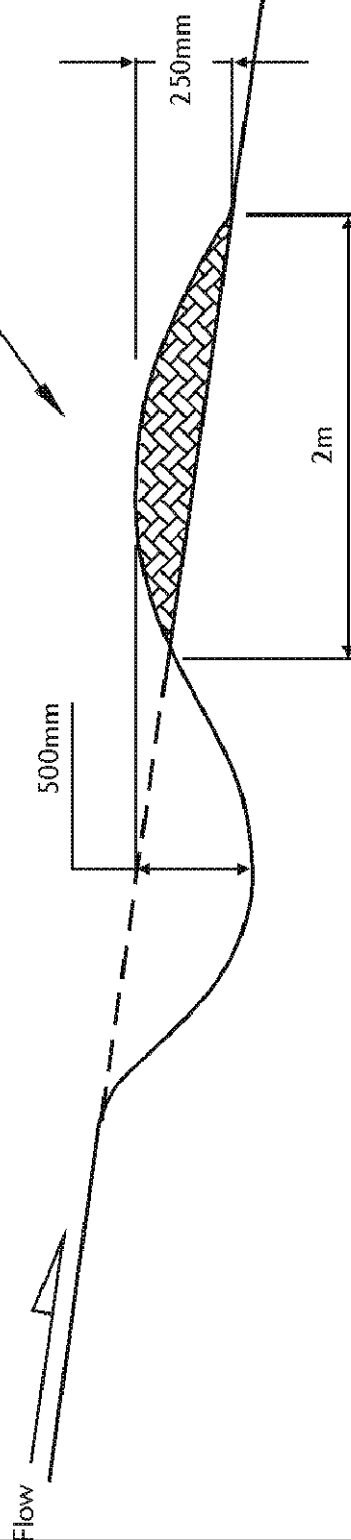
DATE

PLAN No.

21/800

SHEET 2

Compacted Earth Bund



Cross Section

**NELSON
CITY
COUNCIL**

CONTOUR DRAIN

ASSET MANAGEMENT DIVISION

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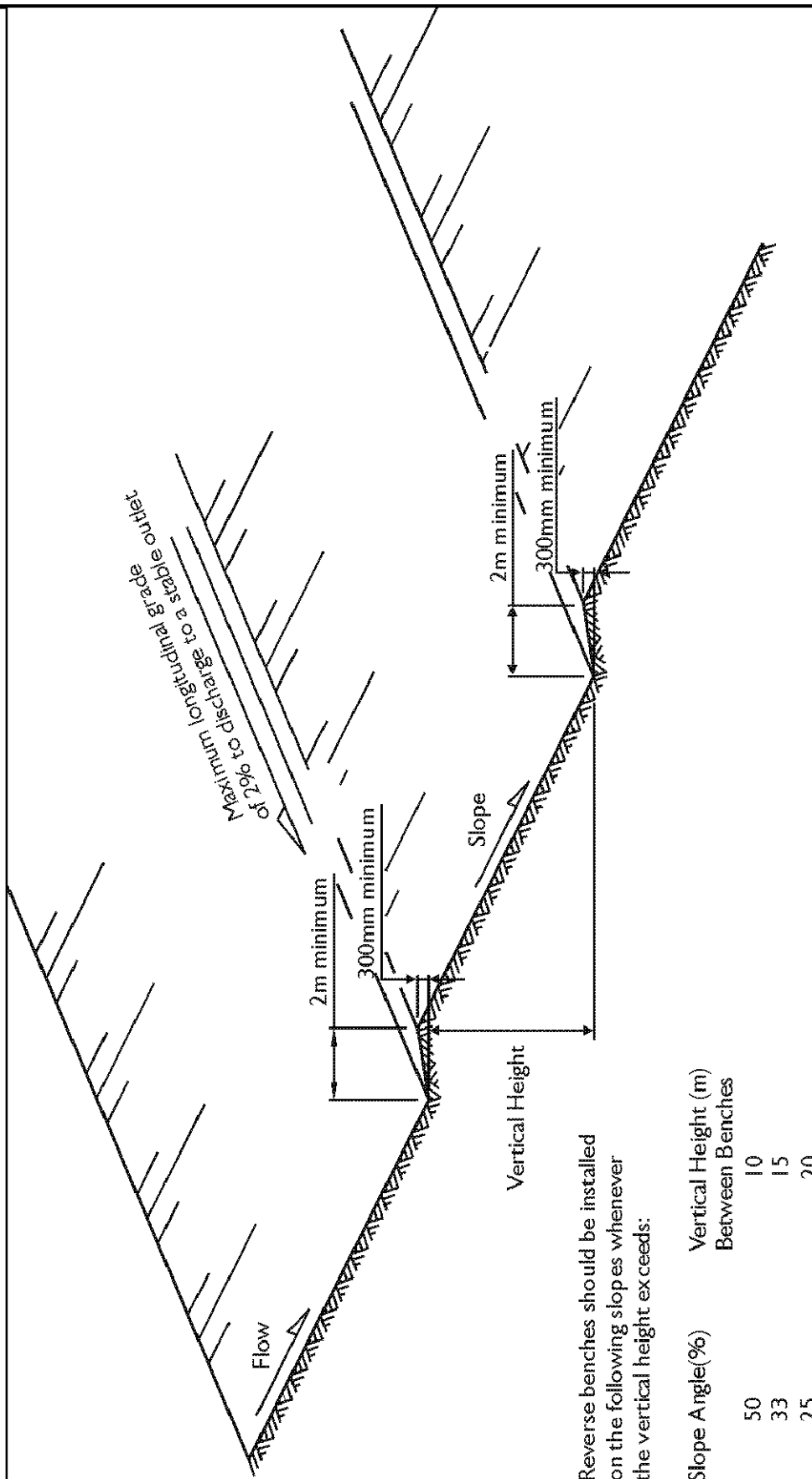
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PLAN No.

21/801

SHEET 1



Reverse benches should be installed on the following slopes whenever the vertical height exceeds:

Slope Angle(%)	Vertical Height (m) Between Benches
50	10
33	15
25	20

**NELSON
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BENCHED SLOPE

ASSET MANAGEMENT DIVISION

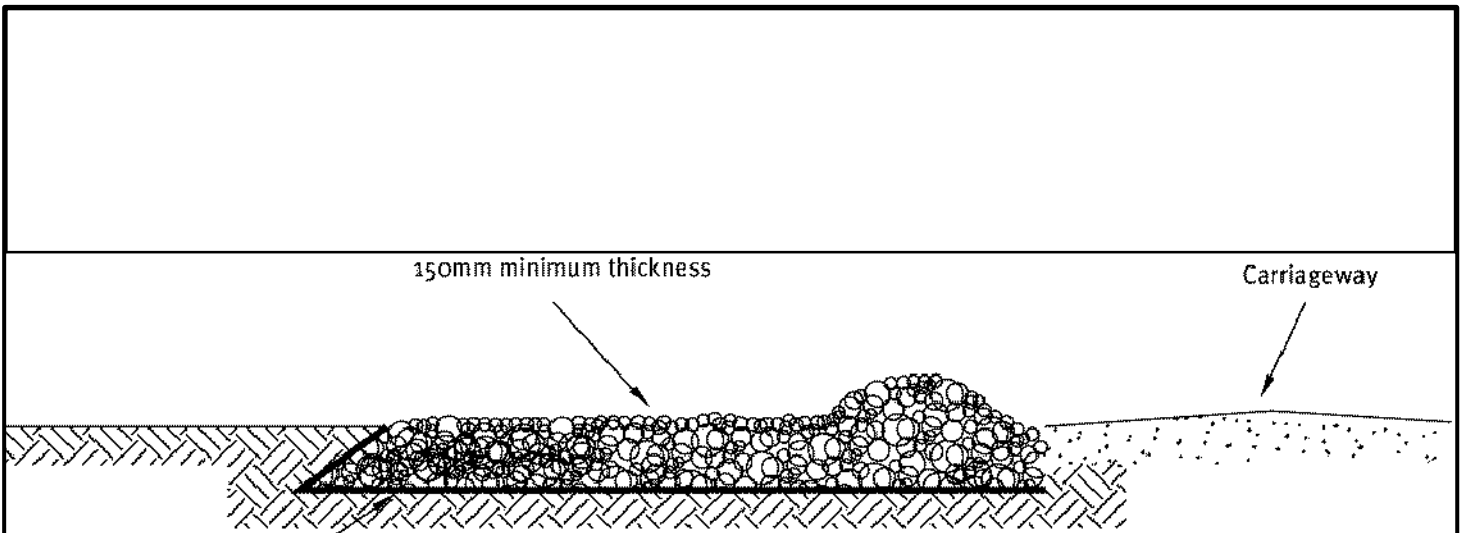
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Feb. 2006
DATE

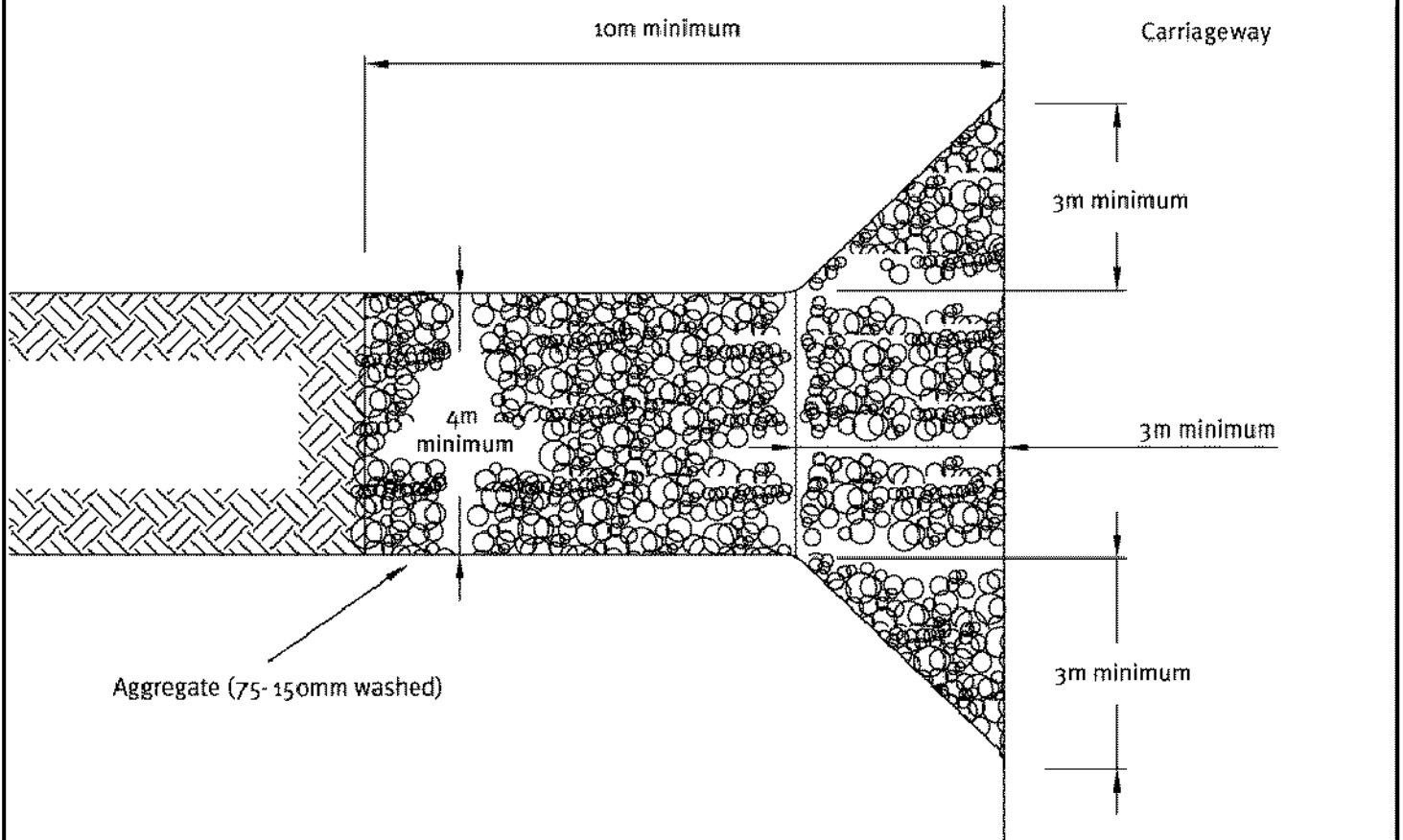
PLAN No.

21/801

SHEET 2



Side Elevation



Plan View

**NELSON
CITY
COUNCIL**

**STABILISED CONSTRUCTION
ENTRANCE**

ASSET MANAGEMENT DIVISION

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MANAGER INFRASTRUCTURAL ASSETS

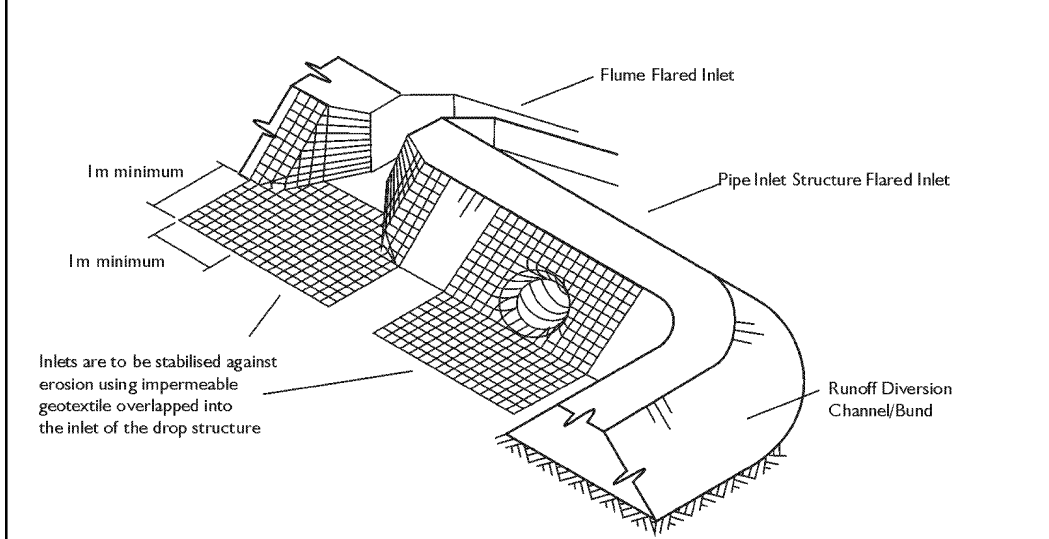
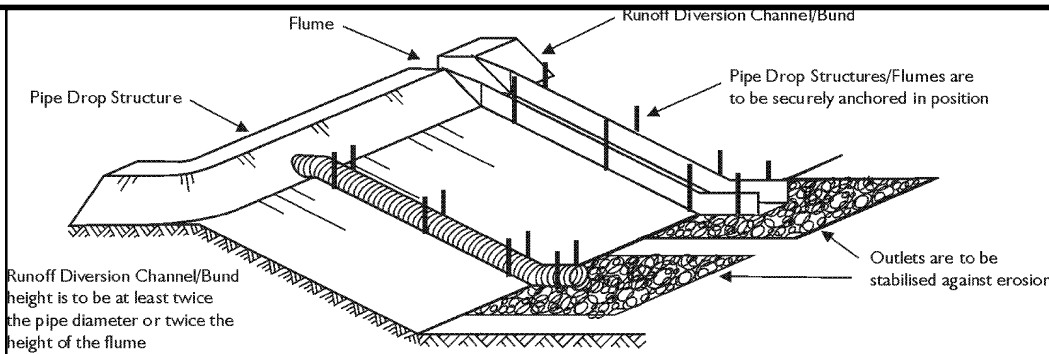
Feb. 2006

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DATE

PLAN No.

21/802

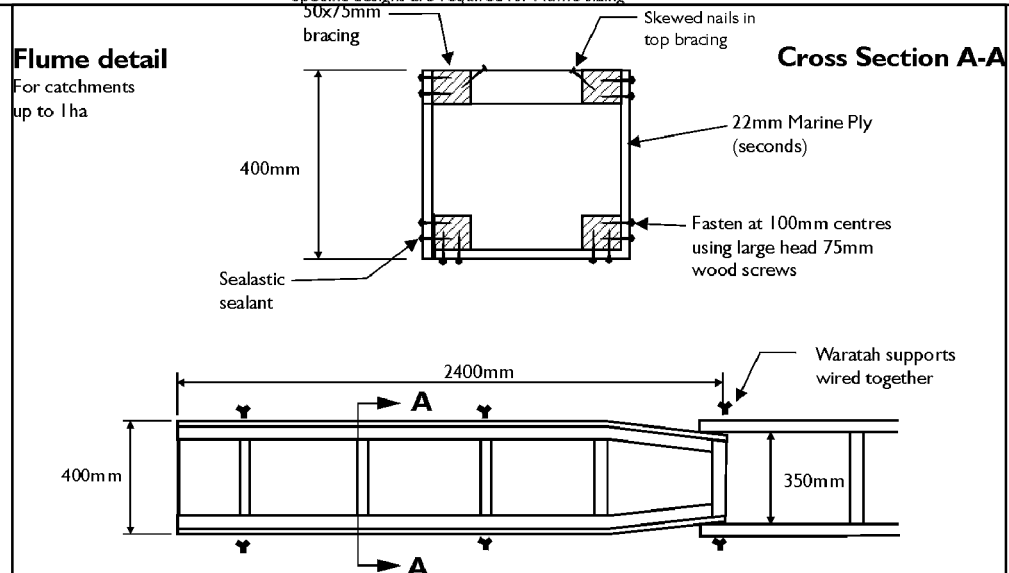
SHEET 1



Design Criteria for Pipe Drop Structure

Pipe Diameter (mm)	Maximum Catchment area (ha)
150	0.05
350	0.20
450	0.60
500	1.00
600	1.00

Specific designs are required for Flume sizing



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PIPE DROP STRUCTURE

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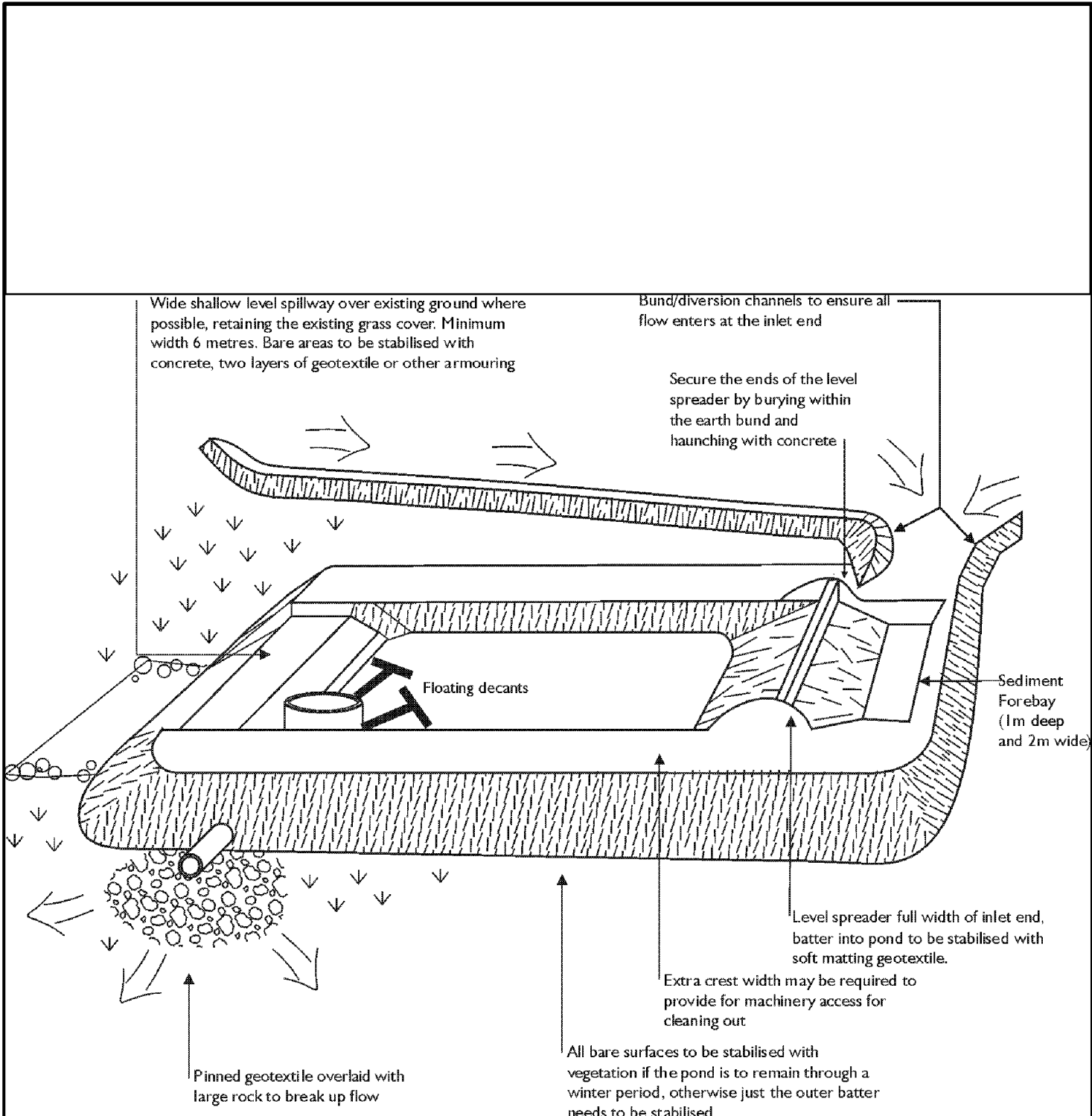
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21/803

SHEET 1



**NELSON
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SEDIMENT RETENTION POND

ASSET MANAGEMENT DIVISION

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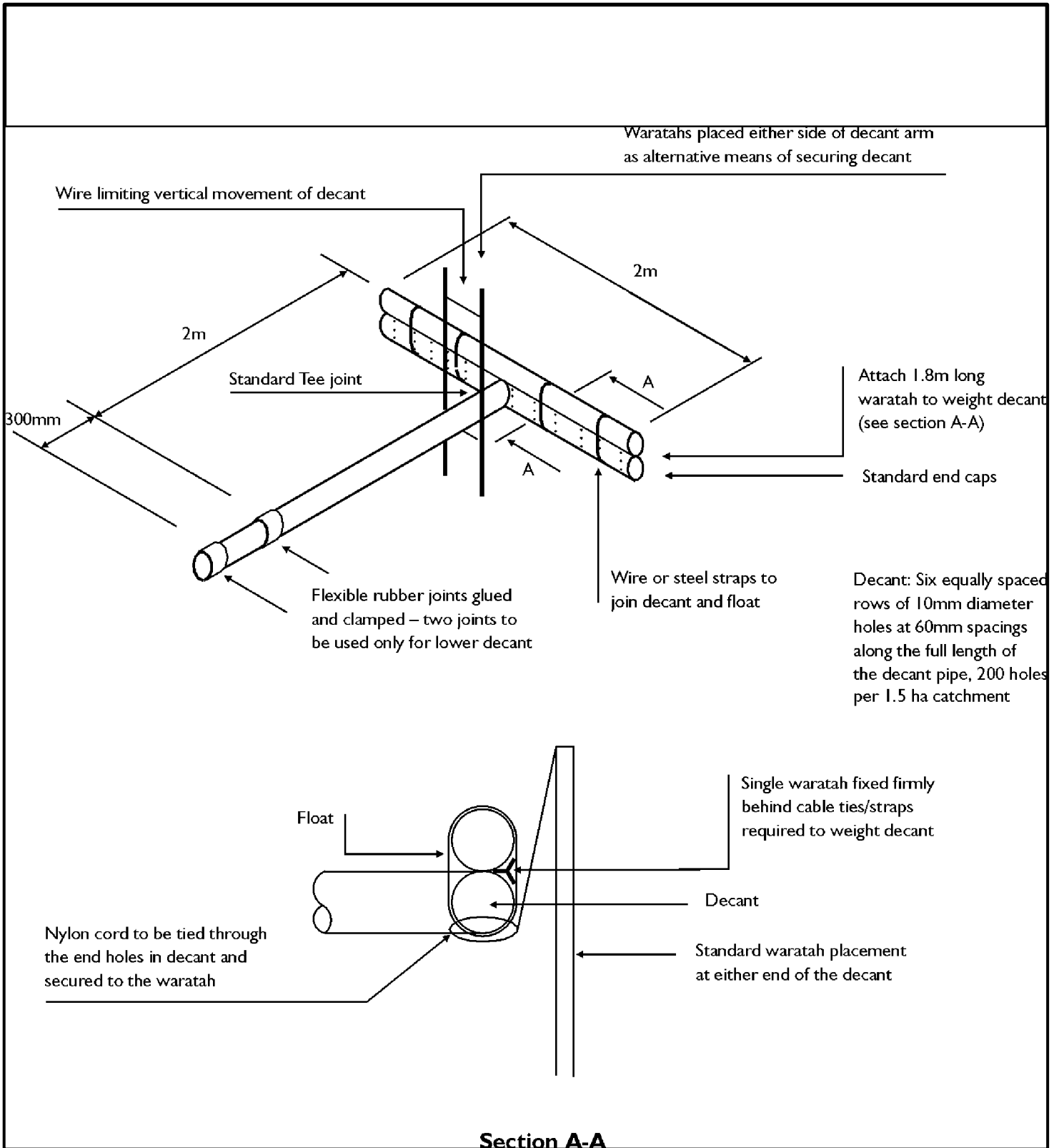
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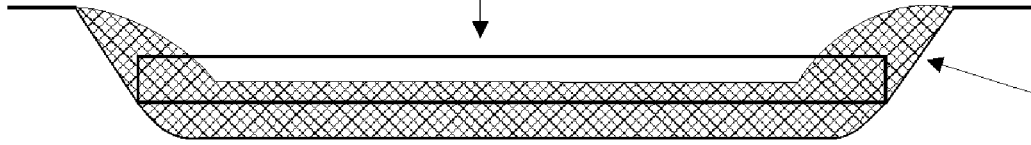
SHEET 1



Section A-A

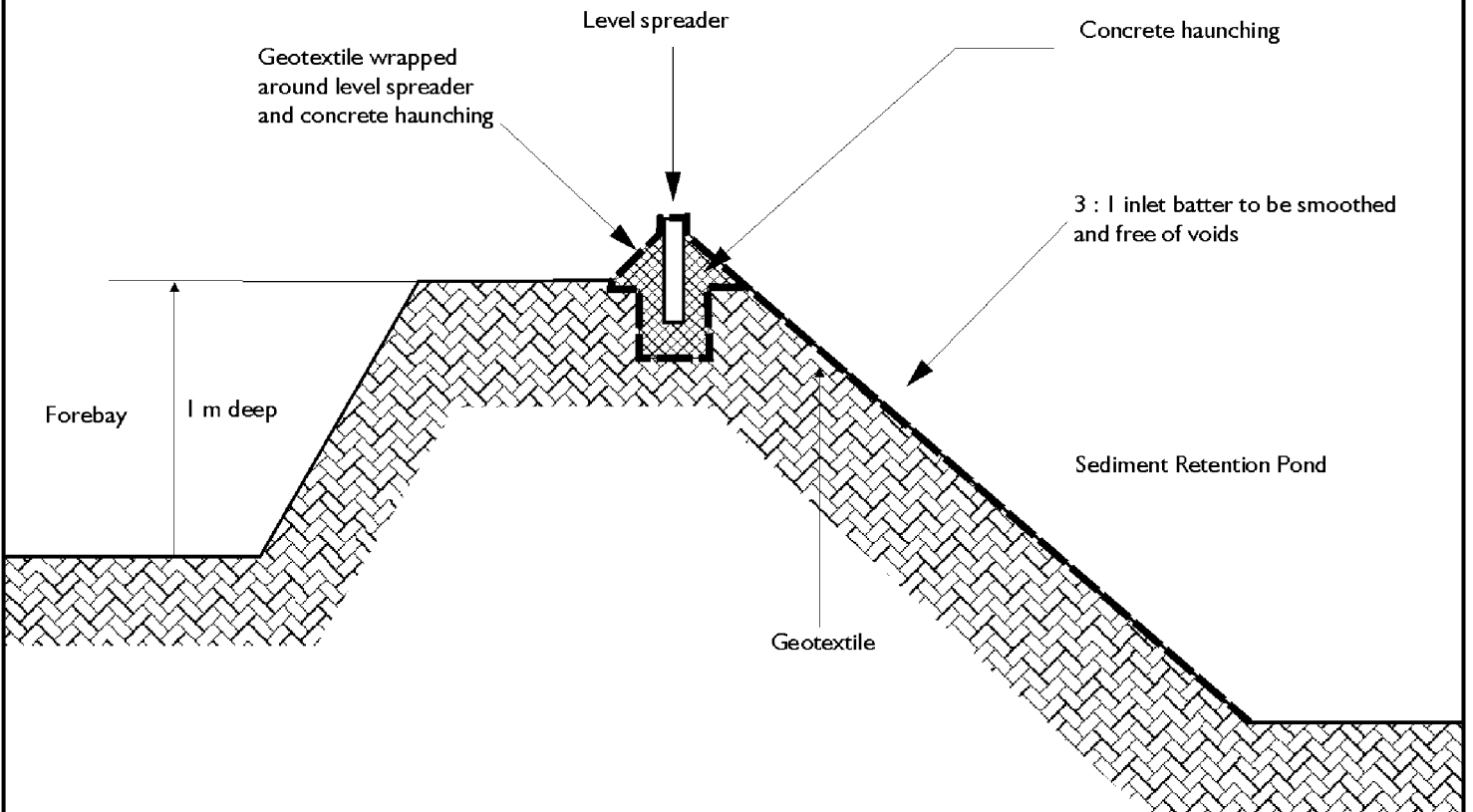
<h1>NELSON CITY COUNCIL</h1>	<h2>DECANT DETAIL</h2>	
	<p>ASSET MANAGEMENT DIVISION</p> <p>APPROVED </p> <p>MANAGER INFRASTRUCTURAL ASSETS</p>	<p>Feb. 2006</p> <p>DATE</p>

Level spreader
150 mm x 50 mm
timber weir



Earth Bund with
site concrete
cover

Level spreader full width of inlet end,
stabilised from the beginning of the inlet
to the pond invert with appropriate soft
matting textile.



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LEVEL SPREADER

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A handwritten signature in black ink, appearing to be 'D. [unclear]', written over a dotted line.

MANAGER INFRASTRUCTURAL ASSETS

Feb. 2006

DATE

PLAN No.

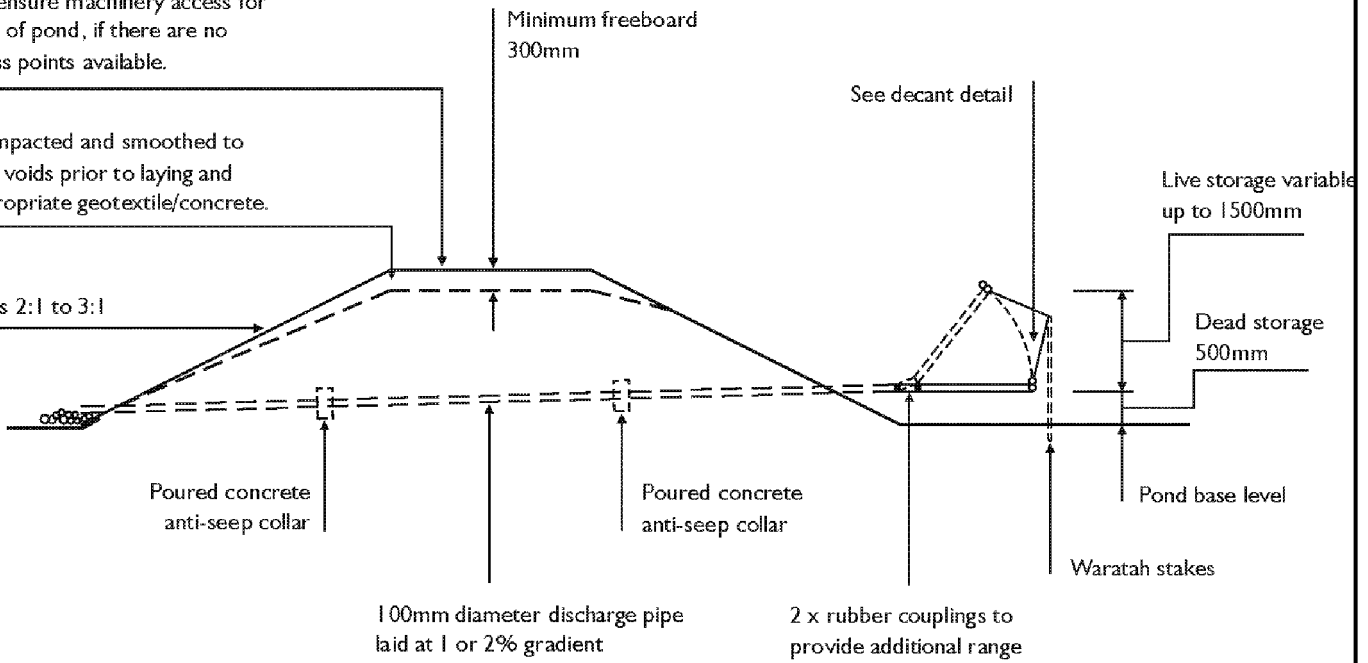
21/804

SHEET 3

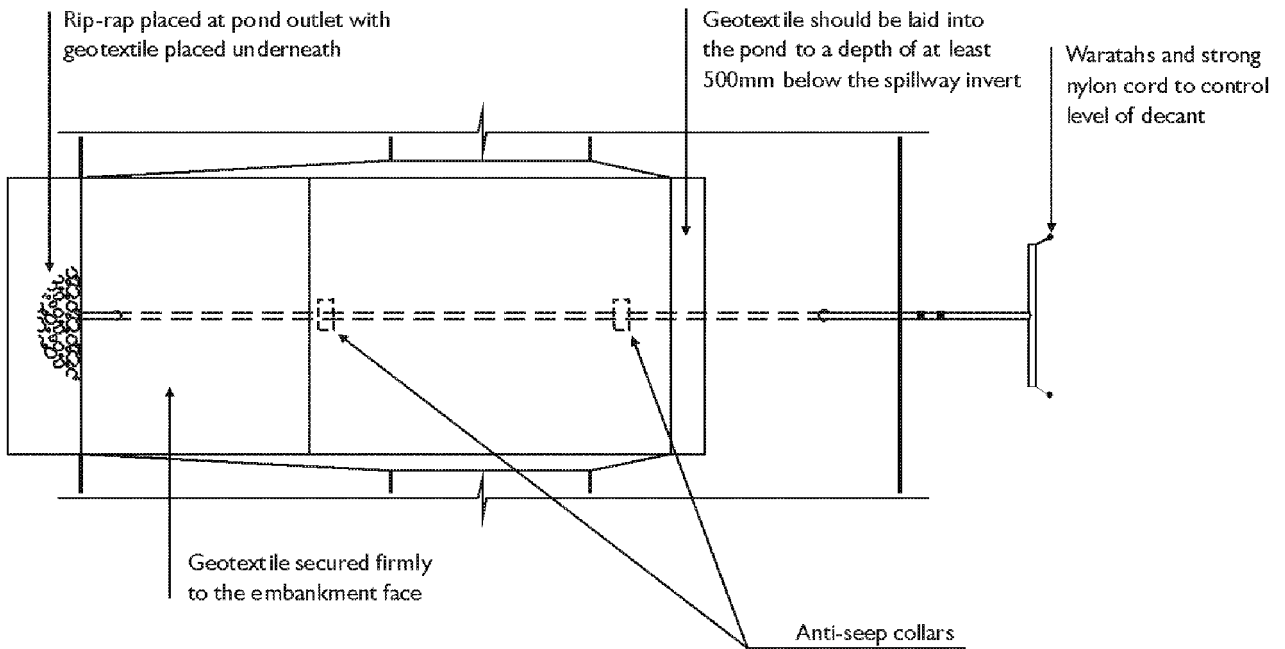
Width of top embankment should be wide enough to ensure machinery access for de-sludging of pond, if there are no other access points available.

Spillway compacted and smoothed to eliminate all voids prior to laying and pinning appropriate geotextile/concrete.

Pond batters 2:1 to 3:1



Cross Section



Plan

**NELSON
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**SEDIMENT RETENTION POND FOR
CATCHMENTS UP TO 1.5ha**

ASSET MANAGEMENT DIVISION

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MANAGER INFRASTRUCTURAL ASSETS

Feb. 2006

DATE

PLAN No.

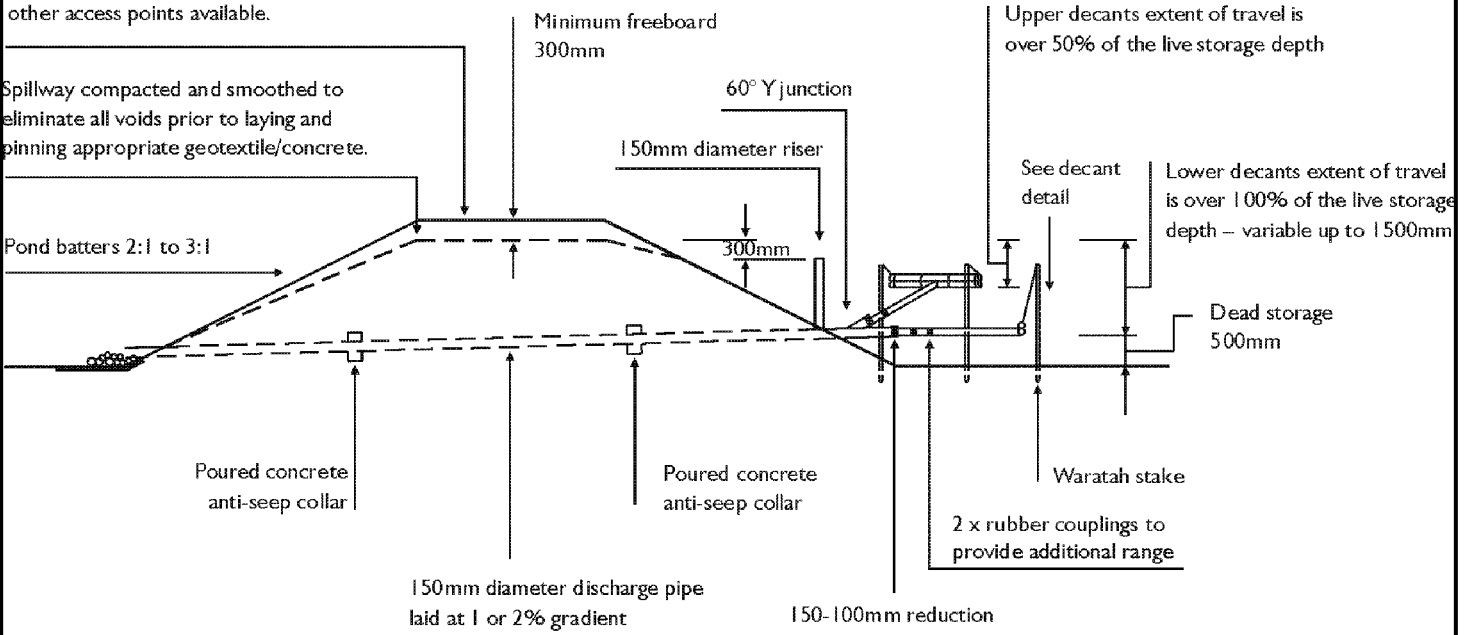
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SHEET 4

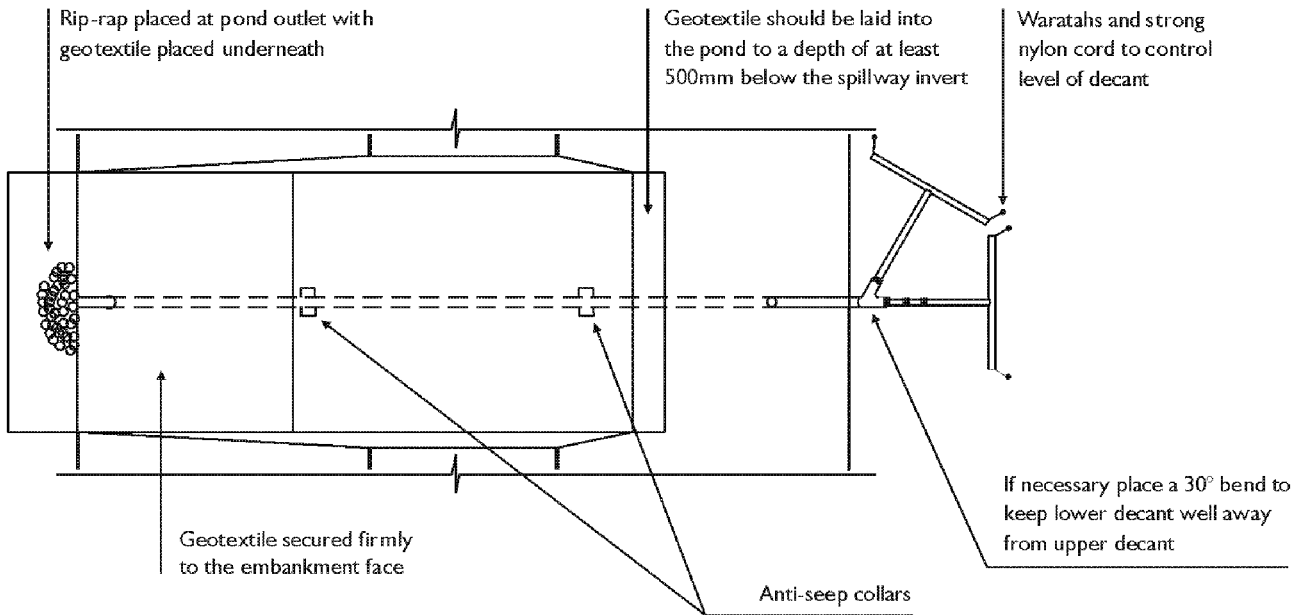
Width of top embankment should be wide enough to ensure machinery access for de-sludging of pond, if there are no other access points available.

Spillway compacted and smoothed to eliminate all voids prior to laying and pinning appropriate geotextile/concrete.

Pond batters 2:1 to 3:1



Cross Section



Plan

**NELSON
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**SEDIMENT RETENTION POND FOR
CATCHMENTS BETWEEN 1.5ha and 3ha**

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MANAGER INFRASTRUCTURAL ASSETS

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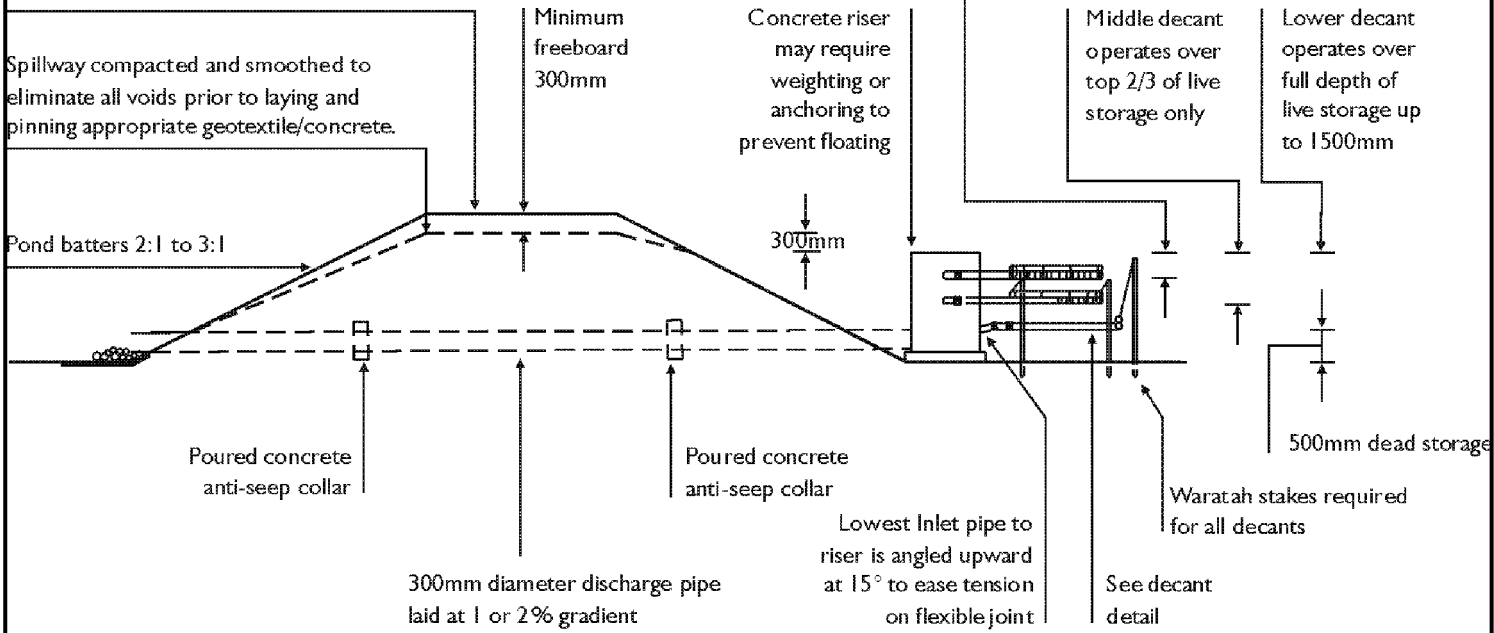
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PLAN No.

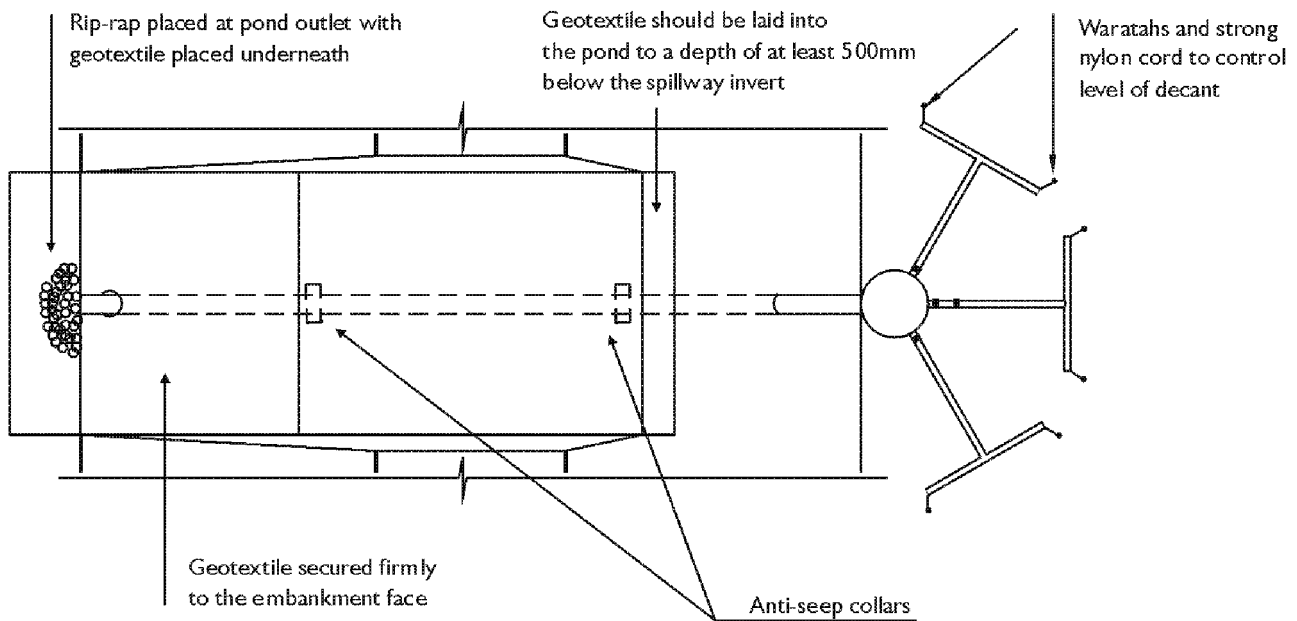
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SHEET 5

Width of top embankment should be wide enough to ensure machinery access for de-sludging of pond, if there are no other access points available.



Cross Section



Plan

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**SEDIMENT RETENTION POND FOR
CATCHMENTS BETWEEN 3ha and 5ha**

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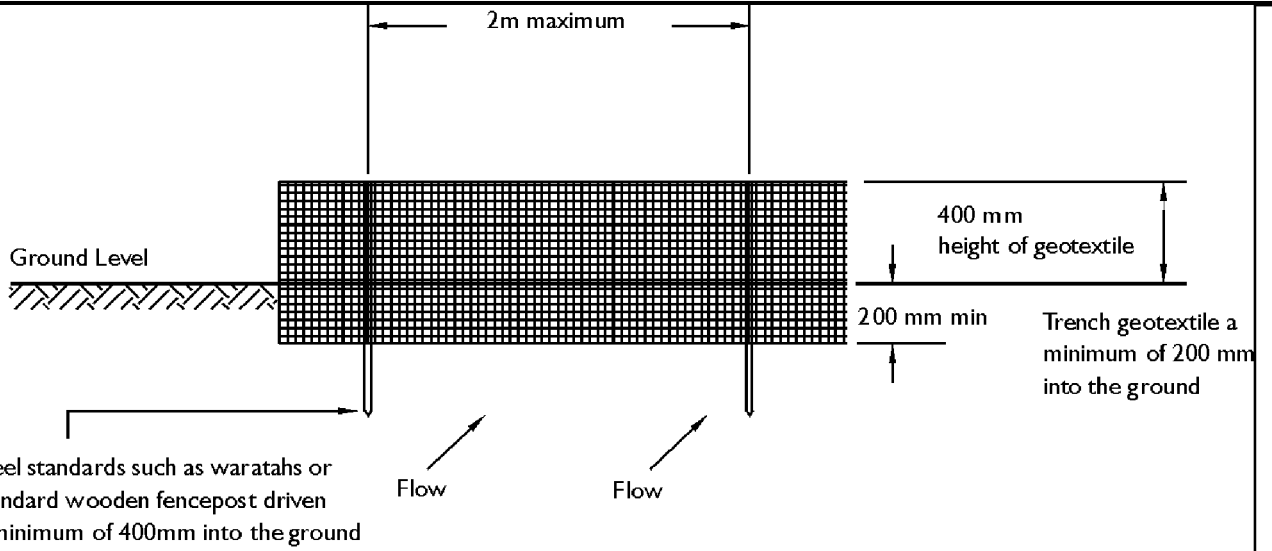
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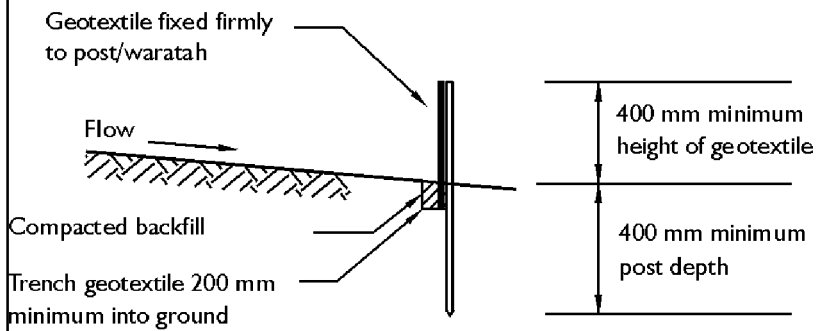
PLAN No.

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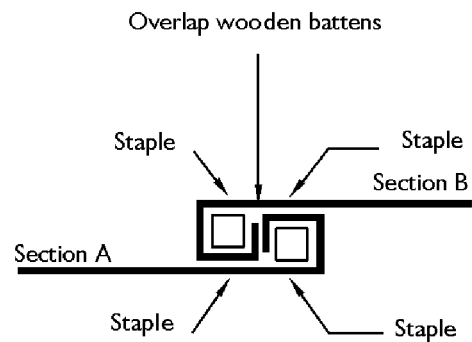
SHEET 6



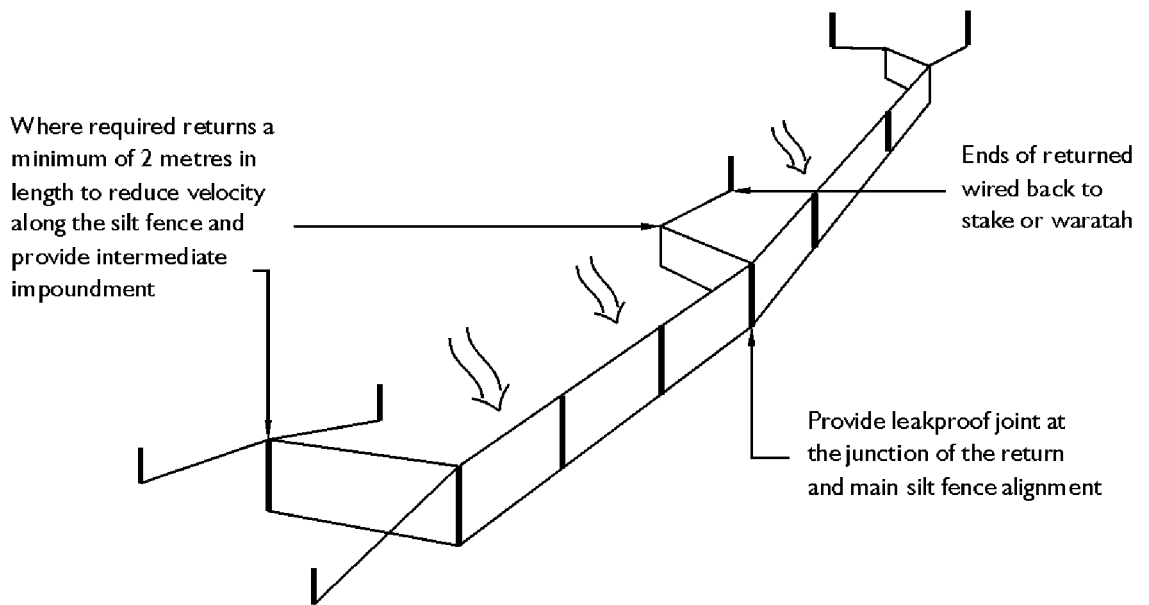
Elevation



Cross Section



Standard Fabric Joint



Perspective View

**NELSON
CITY
COUNCIL**

SILT FENCE

ASSET MANAGEMENT DIVISION

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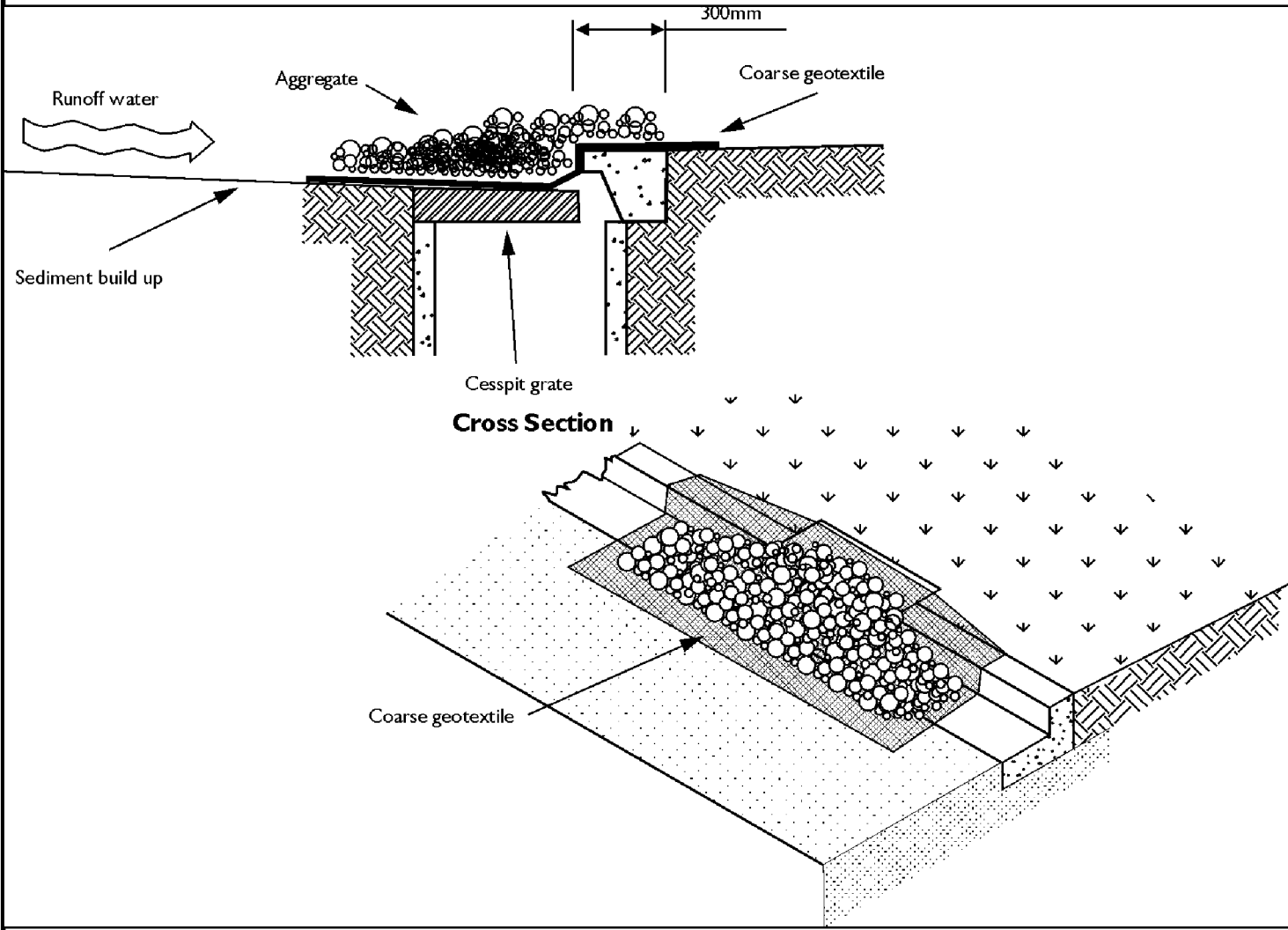
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PLAN No.

21/805

SHEET 1



**NELSON
CITY
COUNCIL**

STORMWATER INLET PROTECTION

ASSET MANAGEMENT DIVISION

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MANAGER INFRASTRUCTURAL ASSETS

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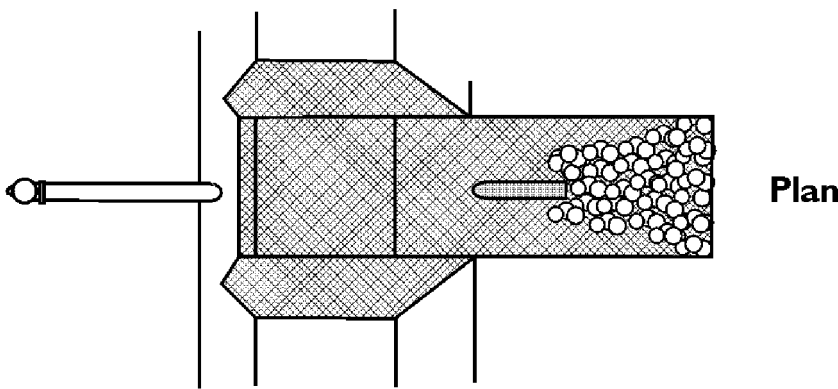
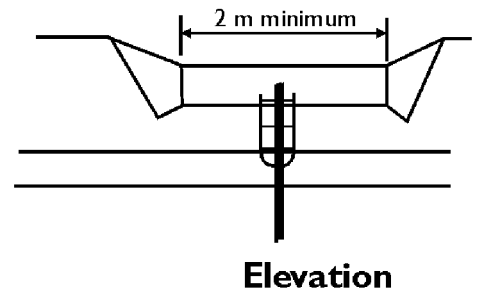
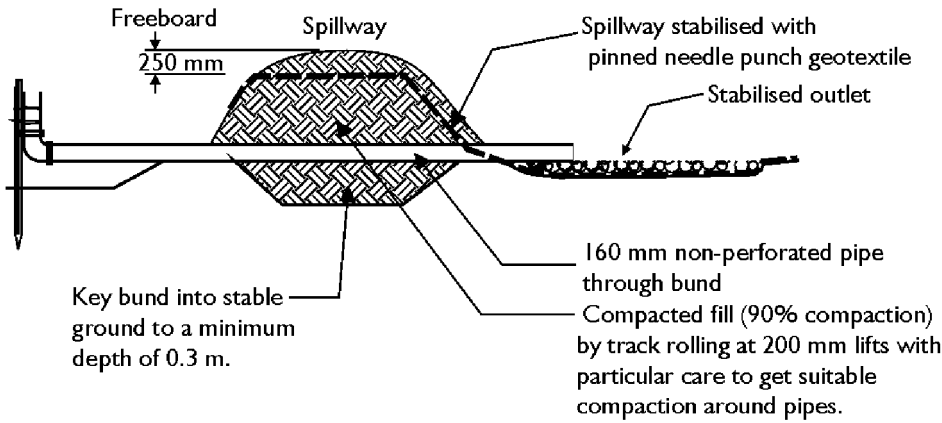
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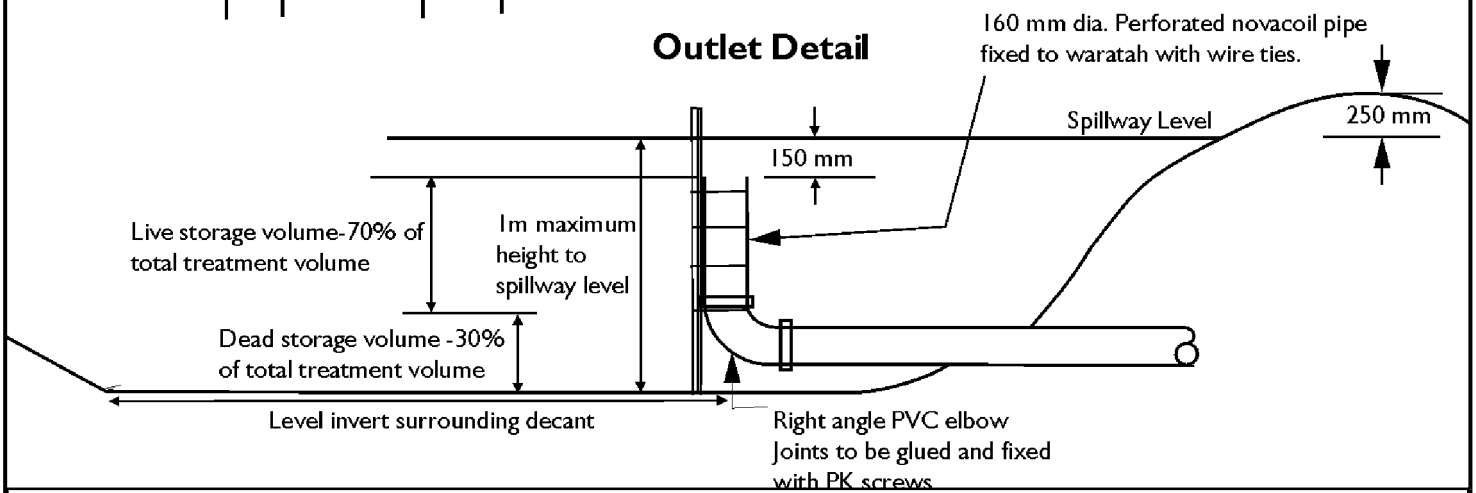
SHEET 1

Cross Section



Decanting Earth Bund
 Maximum Catchment 0.3 ha
 2% volume
 (60m³ per 0.3 ha catchment)

Outlet Detail



**NELSON
 CITY
 COUNCIL**

EARTH BUND

ASSET MANAGEMENT DIVISION

APPROVED

MANAGER INFRASTRUCTURAL ASSETS

Feb. 2006

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21/807

SHEET 1