
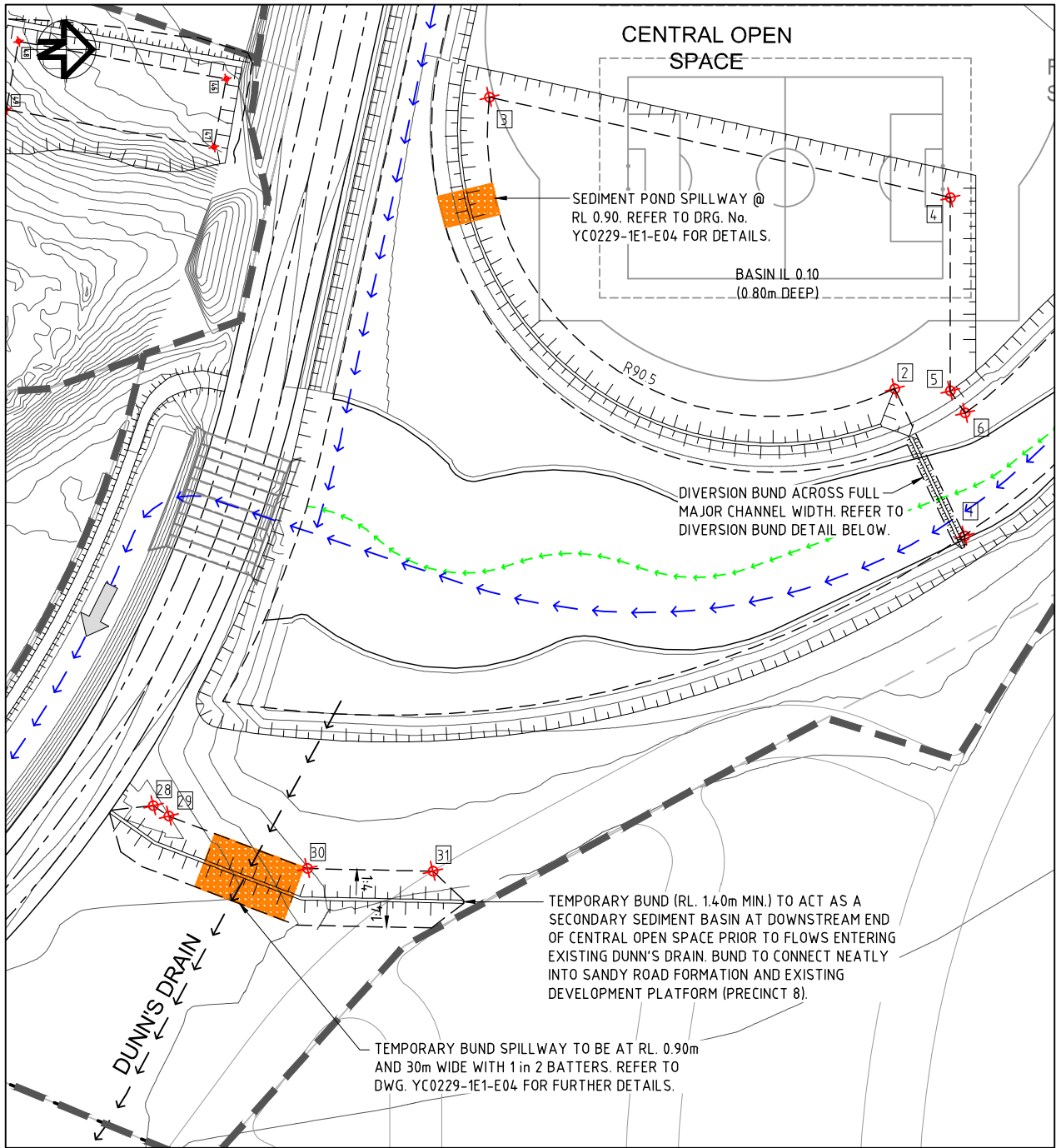


STATUS				CONSTRUCTION CERTIFICATE		FOR APPROVAL		THIS DESIGN AND PLAN IS COPYRIGHT AND IS NOT TO BE USED OR REPRODUCED WHOLLY OR IN PART OR TO BE USED ON ANY PROJECT WITHOUT THE WRITTEN PERMISSION OF YEATS CONSULTING PTY LTD		CLIENT	PROJECT	SEDGMAN YEATS		TITLE		
F	PRECINCT 9 AND PRECINCT 11 BORROW AREAS ADDED			M.B.	11.12.13	DRAWING IS NOT TO BE SCALED				LEDA MANORSTEAD Pty Ltd	COBAKI, TWEED HEADS WEST CENTRAL OPEN SPACE BULK EARTHWORKS CONSTRUCTION CERTIFICATE CIVIL ENGINEERING DRAWINGS		EROSION & SEDIMENT CONTROL PLAN SHEET 1 OF 2			
E	MINOR OPEN DRAIN 5 ADDED TO DRAWING SET			T.W.	02.10.13								RPEQ No 7817			
D	BULK EARTHWORKS CONSTRUCTION CERTIFICATE			M.G.	15.02.13	SCALE (AT ORIGINAL SHEET SIZE)				ORIGINAL SHEET SIZE  A1			DRAWING NUMBER			REVISION
C	RESPONSE TO 3rd PARTY SWMP REVIEW			H.W.	18.10.12	50 0 50 100 1:2500							Y0C0229-1E1-E01			
B	RESPONSE TO TSC REQUEST FOR INFORMATION (RFI)			H.W.	04.05.12											
A	ORIGINAL ISSUE			G.S.	18.03.11											
REV	DESCRIPTION			DRAWN	DATE											





**SEDIMENT POND A SIZING DETAILS**

CATCHMENT AREA = 48.4ha  
TOTAL SEDIMENT YIELD = 664m<sup>3</sup>/year

**MINIMUM REQUIRED DEPTH, SURFACE AREA AND VOLUME**

SEDIMENT POND DEPTH = 0.65m  
SEDIMENT POND AREA = 8877m<sup>2</sup>  
SEDIMENT POND VOLUME = 5791m<sup>3</sup>

**SEDIMENT POND B SIZING DETAILS**

CATCHMENT AREA = 9.9ha  
TOTAL SEDIMENT YIELD = 136m<sup>3</sup>/year

**MINIMUM REQUIRED DEPTH, SURFACE AREA AND VOLUME**

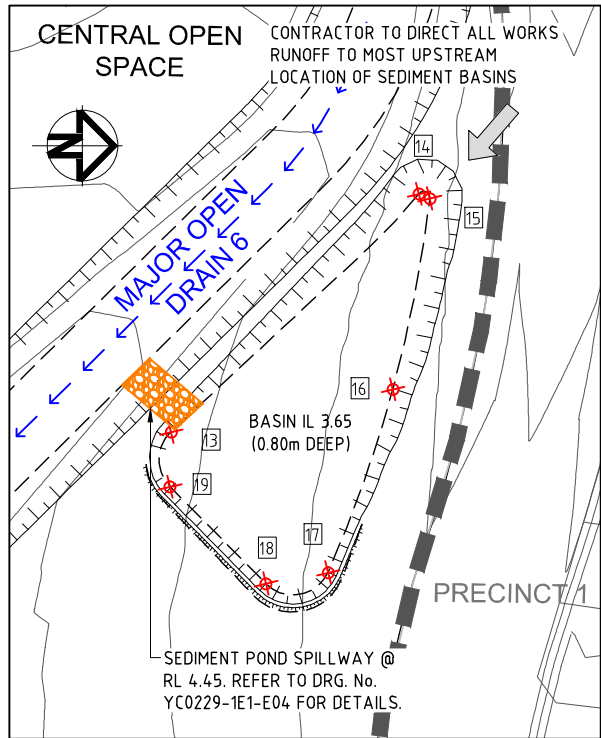
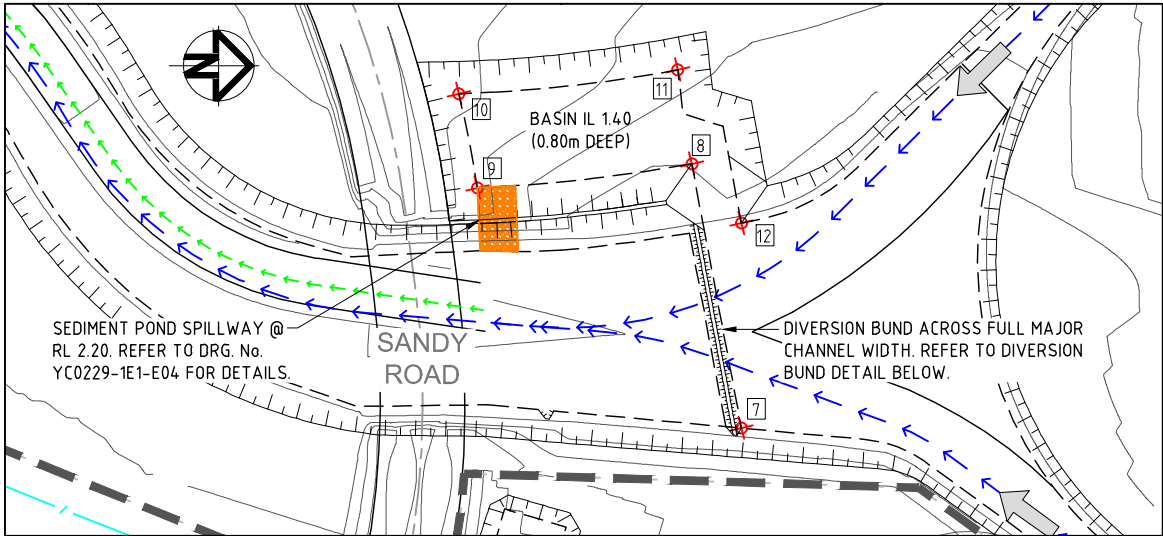
SEDIMENT POND DEPTH = 0.65m  
SEDIMENT POND AREA = 1816m<sup>2</sup>  
SEDIMENT POND VOLUME = 1184m<sup>3</sup>

**SEDIMENT POND C SIZING DETAILS**

CATCHMENT AREA = 6.7ha  
TOTAL SEDIMENT YIELD = 92m<sup>3</sup>/year

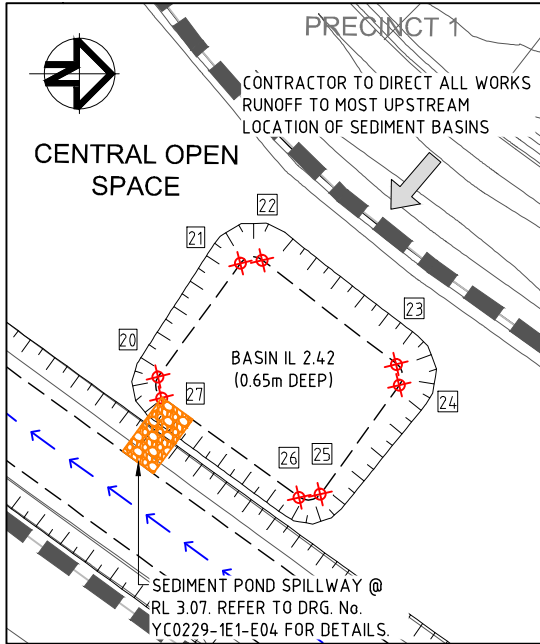
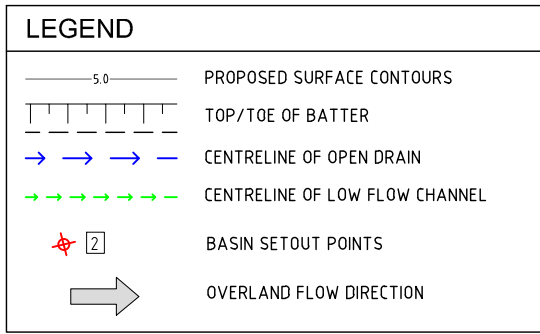
**MINIMUM REQUIRED DEPTH, SURFACE AREA AND VOLUME**

SEDIMENT POND DEPTH = 0.65m  
SEDIMENT POND AREA = 1229m<sup>2</sup>  
SEDIMENT POND VOLUME = 802m<sup>3</sup>



**SEDIMENT BASIN C**

SCALE 1:500



**SEDIMENT BASIN D**

SCALE 1:500

**SEDIMENT BASIN SET OUT**

POINT	EASTING	NORTHING
1	47027.224	81571.402
2	46980.506	81549.199
3	46887.968	81420.473
4	46919.841	81566.892
5	46981.202	81566.859
6	46988.220	81571.607
7	46619.513	83091.685
8	46549.702	83078.559
9	46556.046	83021.835
10	46531.227	83016.920
11	46524.847	83074.840
12	46565.379	83091.679
13	46487.054	83213.688
14	46455.578	83246.435
15	46456.175	83247.870
16	46481.404	83243.000
17	46505.631	83234.442
18	46507.148	83226.226
19	46494.299	83213.536
20	46696.608	83269.765
21	46681.613	83280.634
22	46681.227	83283.504
23	46694.957	83301.218
24	46697.731	83301.638
25	46711.998	83291.342
26	46712.586	83288.400
27	46699.401	83270.210
28	47112.803	81313.782
29	47116.118	81318.697
30	47132.762	81362.683
31	47133.641	81402.533

SILT MANAGEMENT PROGRAM	
PHASE	DESCRIPTION
ALL WORKS	• SILT FENCES TO BE ERECTED AT THE LOCATIONS SHOWN ON DWG's YC0229-1E1-E01 & E02.
ROADWORKS	• MEASURES ARE TO BE TAKEN TO PREVENT SILT INGRESS TO STORMWATER SYSTEM.
MAINTENANCE PERIOD	• EROSION CONTROL MEASURES ARE TO BE INSPECTED AFTER MAJOR EVENTS (> 25mm). ANY REPAIRS REQUIRED ARE TO BE EFFECTED IMMEDIATELY.

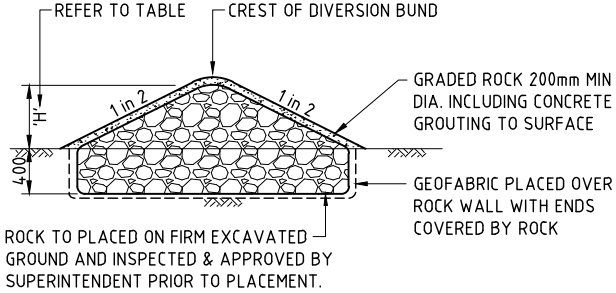
- GENERAL NOTES**
- THE CONTRACTOR IS TO TAKE ALL NECESSARY PRECAUTIONS TO CONTROL EROSION AND DOWNSTREAM SEDIMENTATION DURING ALL STAGES OF CONSTRUCTION INCLUDING THE MAINTENANCE PERIOD.
  - ALL SEDIMENT CONTROL DEVICES TO T.S.C. STANDARDS AND SPECIFICATIONS REFER DWG No. S.D.501 - S.D.502.
  - CONTRACTOR TO DIRECT ALL WORKS RUNOFF TO SEDIMENT BASINS TO THE MOST UPSTREAM LOCATION OF THE BASIN FROM THE SPILLWAY OUTLET.
  - SEDIMENT BASINS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS DESCRIBED IN 'BEST PRACTICE EROSION & SEDIMENT CONTROL' 2008 GUIDELINES BY THE INTERNATIONAL EROSION CONTROL ASSOCIATION (IECA).
  - FOR SEDIMENT BASIN LOCATION, REFER DWGS YC0229-1E1-E01 & 02.

**SEDIMENT POND D SIZING DETAILS**

CATCHMENT AREA = 3.5ha  
TOTAL SEDIMENT YIELD = 48m<sup>3</sup>/year

**MINIMUM REQUIRED DEPTH, SURFACE AREA AND VOLUME**

SEDIMENT POND DEPTH = 0.65m  
SEDIMENT POND AREA = 642m<sup>2</sup>  
SEDIMENT POND VOLUME = 419m<sup>3</sup>



**DIVERSION BUND DETAIL**

N.T.S.

CONSTRUCTION CERTIFICATE		FOR APPROVAL	
D	TITLE REVISED	M.B.	16.12.13
C	BULK EARTHWORKS CONSTRUCTION CERTIFICATE	M.G.	15.02.13
B	RESPONSE TO 3rd PARTY SWMP REVIEW	H.W.	18.10.12
A	ORIGINAL ISSUE	G.S.	18.03.11
REV	DESCRIPTION	DRAWN	DATE

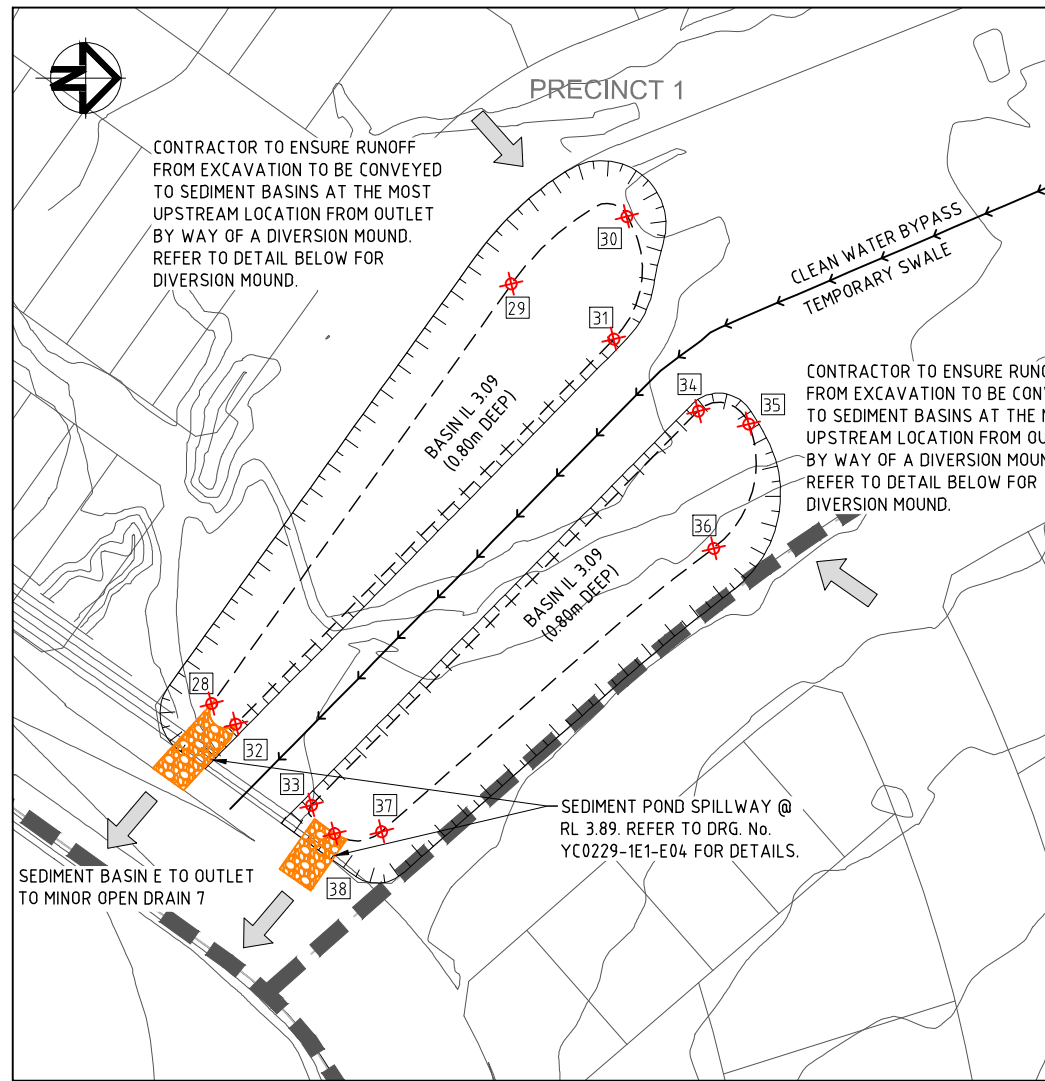
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DRAWING IS NOT TO BE SCALED	
SCALE	(AT ORIGINAL SHEET SIZE)
AS SHOWN	

CLIENT	LEDA MANORSTEAD Pty Ltd
ORIGINAL SHEET SIZE	A1

PROJECT	COBAKI, TWEED HEADS WEST CENTRAL OPEN SPACE BULK EARTHWORKS CONSTRUCTION CERTIFICATE CIVIL ENGINEERING DRAWINGS
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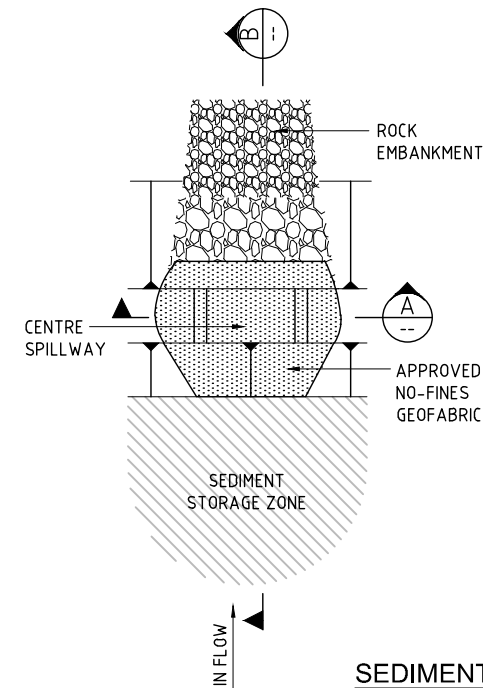
LEVEL 1, 193 FERRY ROAD SOUTHPORT QLD 4215 AUSTRALIA T 07 5558 4200 F 07 5503 1672 info@yeats.com.au www.yeats.com.au

TITLE		SEDIMENT BASIN SETOUT DETAILS	
SHEET 1 OF 3			
TASK	BY	INITIAL	DATE
REVIEW	CS		18.03.11
DESIGN	CJE		18.03.11
DRAWN	GS		18.03.11
APPROVED		RPEQ No 7817	
DRAWING NUMBER		YC0229-1E1-E03	
REVISION		D	



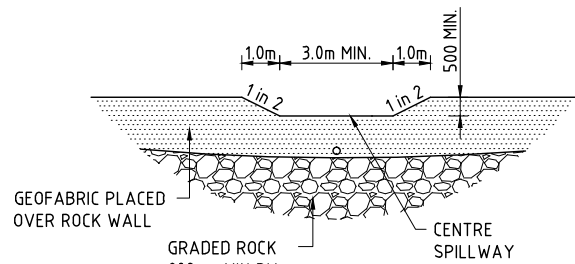
SEDIMENT BASIN E

SCALE 1:500



SEDIMENT BASIN DETAILS

N.T.S.



SECTION A

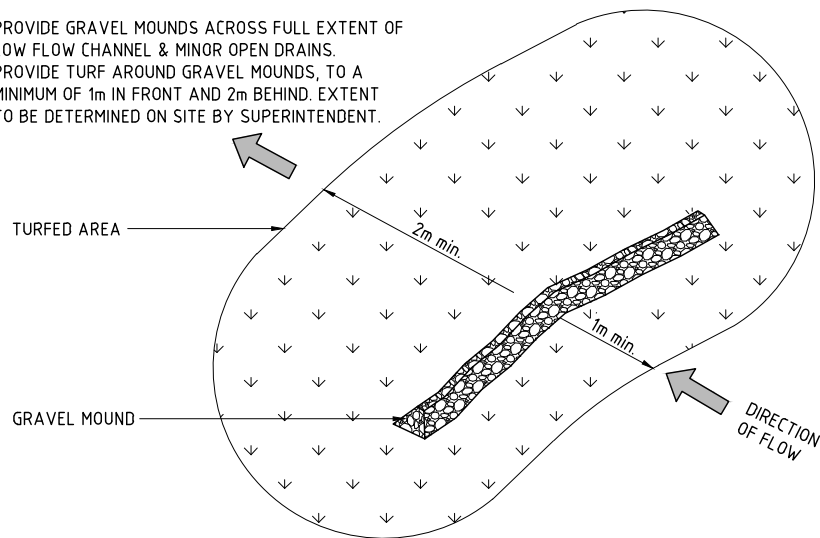
N.T.S.

Basin Name	BASIN A	BASIN B	BASIN C	BASIN D	BASIN E	BASIN F	TEMP BUND
Perforated Hole Size	50mm	50mm	50mm	25mm	50mm	50mm	50mm
Number of Perforated Riser Pipes	4	1	1	1	2	1	8
Number of Holes per Riser Pipe	8	7	5	9	6	6	20

SEDIMENT BASIN SET OUT

POINT	EASTING	NORTHING
28	46727.151	83414.755
29	46671.655	83454.384
30	46662.743	83469.658
31	46678.941	83467.927
32	46729.842	83417.963
33	46740.601	83427.860
34	46688.473	83479.029
35	46690.144	83485.702
36	46706.604	83481.074
37	46744.088	83437.156
38	46744.374	83430.912
39	46914.519	83348.764
40	46861.498	83362.253
41	46860.776	83363.467
42	46869.210	83396.618
43	46870.582	83397.285
44	46901.348	83376.522
45	46915.726	83350.006

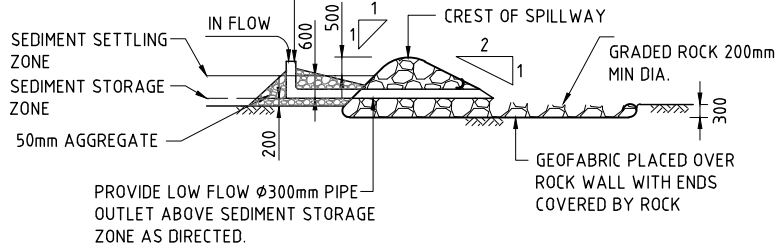
PROVIDE GRAVEL MOUNDS ACROSS FULL EXTENT OF LOW FLOW CHANNEL & MINOR OPEN DRAINS. PROVIDE TURF AROUND GRAVEL MOUNDS, TO A MINIMUM OF 1m IN FRONT AND 2m BEHIND. EXTENT TO BE DETERMINED ON SITE BY SUPERINTENDENT.



GRAVEL CHECK DAM - OPEN DRAINS

SCALE N.T.S.

PERFORATED RISER Ø300mm  
SLOTTED DRAIN TO BE 300mm  
LOWER THEN CREST OF SPILL WAY.  
REFER TO TABLE BELOW FOR No.  
OF RISERS AND HOLES PER BASIN.



SECTION B

N.T.S.

SEDIMENT POND E SIZING DETAILS

CATCHMENT AREA = 16.7ha  
TOTAL SEDIMENT YIELD = 229m³/year

MINIMUM REQUIRED DEPTH, SURFACE AREA AND VOLUME

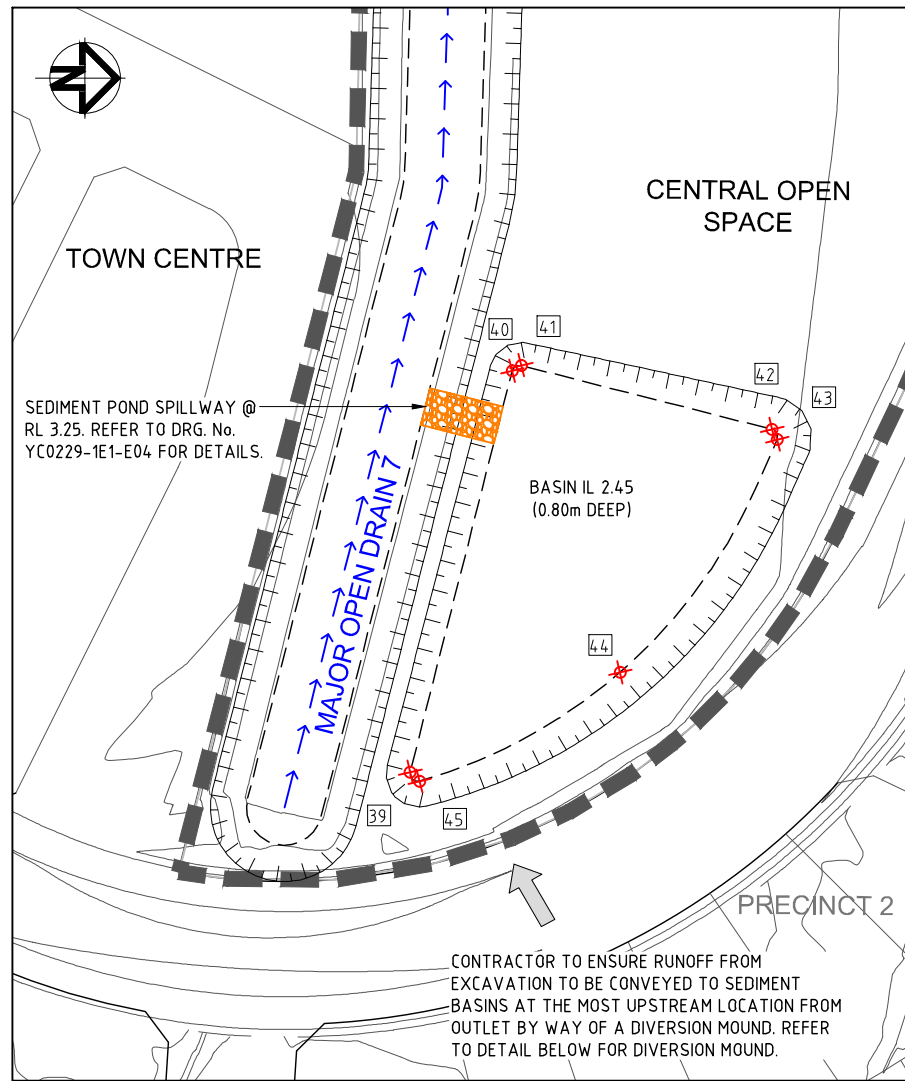
SEDIMENT POND DEPTH = 0.65m  
SEDIMENT POND AREA = 3063m²  
SEDIMENT POND VOLUME = 1998m³

SEDIMENT POND F SIZING DETAILS

CATCHMENT AREA = 8.7ha  
TOTAL SEDIMENT YIELD = 119m³/year

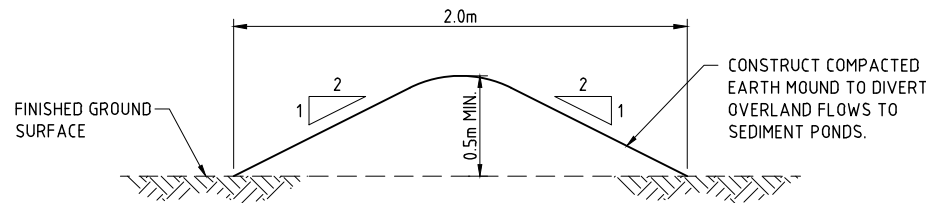
MINIMUM REQUIRED DEPTH, SURFACE AREA AND VOLUME

SEDIMENT POND DEPTH = 0.65m  
SEDIMENT POND AREA = 1596m²  
SEDIMENT POND VOLUME = 1041m³



SEDIMENT BASIN F

SCALE 1:500



DIVERSION MOUND

N.T.S.

FOR NOTES & LEGEND  
REFER TO SHEET 1

CONSTRUCTION CERTIFICATE			FOR APPROVAL	
D	TITLE REVISED		M.B.	16.12.13
C	BULK EARTHWORKS CONSTRUCTION CERTIFICATE		M.G.	15.02.13
B	RESPONSE TO 3rd PARTY SWMP REVIEW		H.W.	18.10.12
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REV	DESCRIPTION		DRAWN	DATE

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(AT ORIGINAL SHEET SIZE)

AS SHOWN

ORIGINAL  
SHEET  
SIZE  
**A1**

CLIENT  
**LEDA MANORSTEAD Pty Ltd**

**LEDA**

PROJECT  
**COBAKI, TWEED HEADS WEST  
CENTRAL OPEN SPACE  
BULK EARTHWORKS  
CONSTRUCTION CERTIFICATE  
CIVIL ENGINEERING DRAWINGS**

**SEDGMAN  
YEATS**

LEVEL 1, 193 FERRY ROAD SOUTHPORT QLD 4215 AUSTRALIA  
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TITLE					SEDIMENT BASIN SETOUT DETAILS		SHEET 2 OF 3	
TASK	BY	INITIAL	DATE	APPROVED	RPEQ No 7817		REVISION	
REVIEW	CS		18.03.11		DRAWING NUMBER		YC0229-1E1-E04	
DESIGN	CJE		18.03.11				D	
DRAWN	GS		18.03.11					