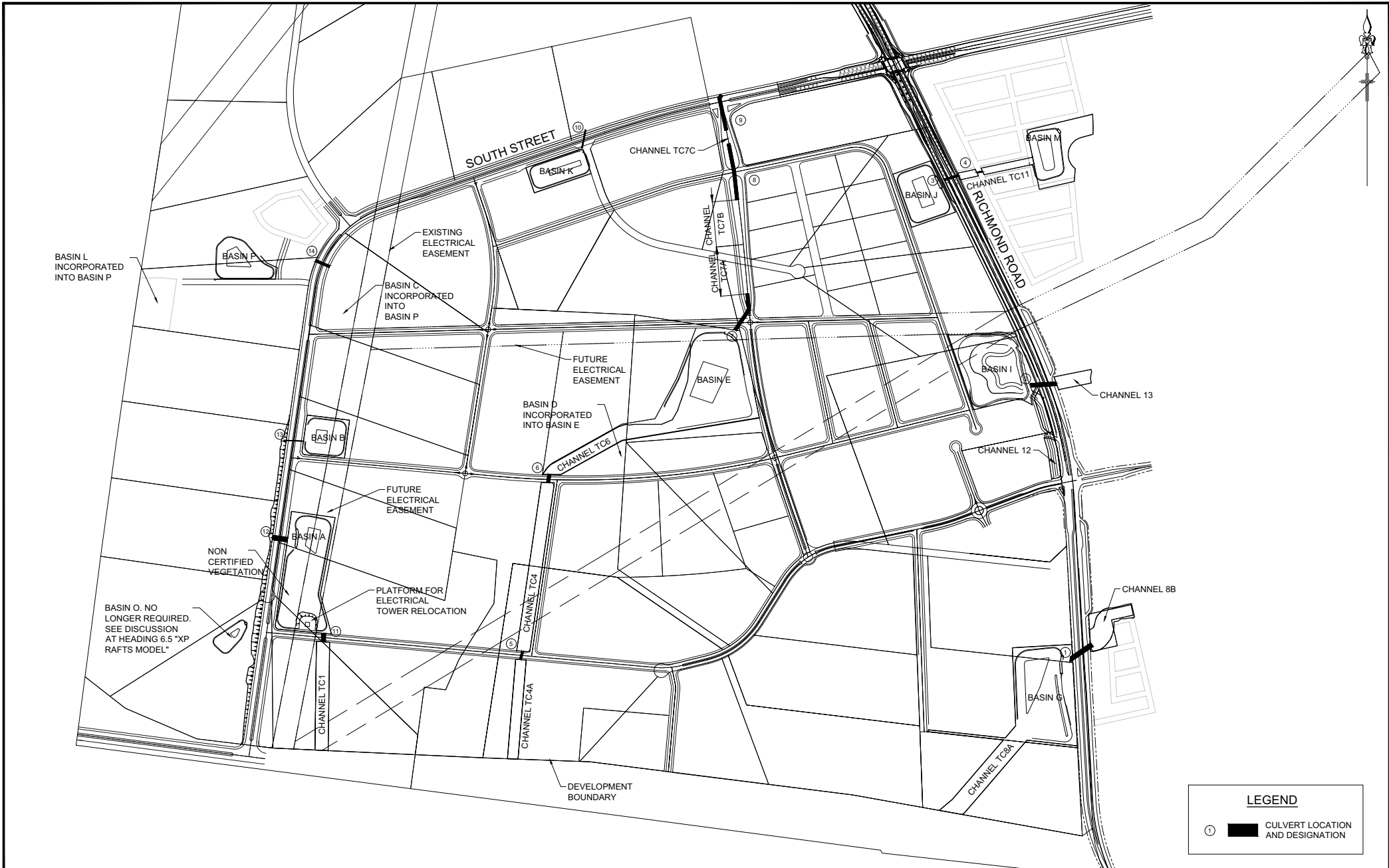
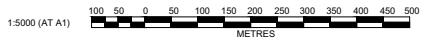


Project: 1 Feb 2011 10:28:17 AM File Name: J:\8955\Drawings\SK1W - Concept Sketch Design\8955\_SK1.dwg



**LEGEND**

①  CULVERT LOCATION AND DESIGNATION



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J	ISSUED FOR EXHIBITION	01/02/11	GH
I	COUNCIL COMMENTS AMENDMENTS	30/11/10	MP
H	SOUTH STREET ALIGNMENT ADJUSTED	05/07/10	DJH
G	BASIN P ILP BOUNDARY AMENDED	12/05/10	DJH
F	ISSUED FOR REVIEW	12/05/10	DJH
E	SOUTH STREET RELOCATED	06/05/10	DJH
ISSUE	AMENDMENT	DATE	BY

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DESIGNED DJH/JC  
DRAWN DJH  
CHECKED -----

DATUM: AHD ORIGIN:  
SCALES: 1:5000 @ A1

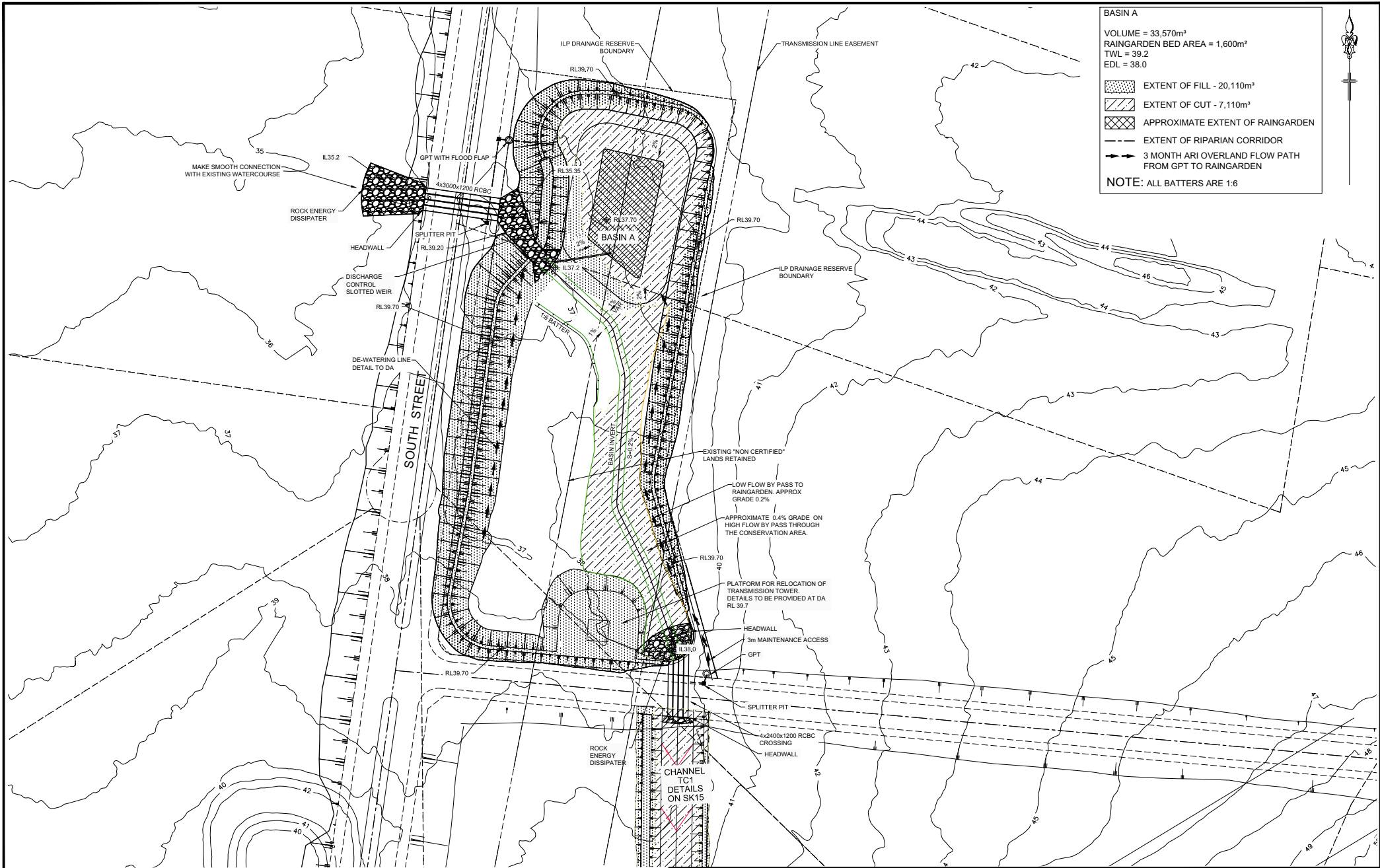
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**MARSDEN PARK  
DRAFT S94 BASIN REVIEW  
BASIN PLAN  
AND CULVERT LAYOUT**

PLAN No.  
**8955/SK1**

FILE No.  
8955\_SK1

Project: 1 Feb 2011 10:28:55 AM File Name: J:\8955\Drawings\SK2\W\_Concept Sketch Design\8955\_SK2.dwg

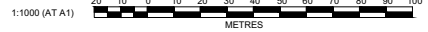


**BASIN A**

VOLUME = 33,570m<sup>3</sup>  
 RAINGARDEN BED AREA = 1,600m<sup>2</sup>  
 TWL = 39.2  
 EDL = 38.0

EXTENT OF FILL - 20,110m<sup>3</sup>  
 EXTENT OF CUT - 7,110m<sup>3</sup>  
 APPROXIMATE EXTENT OF RAINGARDEN  
 EXTENT OF RIPARIAN CORRIDOR  
 3 MONTH ARI OVERLAND FLOW PATH FROM GPT TO RAINGARDEN

NOTE: ALL BATTERS ARE 1:6



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ISSUE	AMENDMENT	DATE	BY
G	ISSUED FOR EXHIBITION	01/02/11	GH
F	BASIN A INVERT AMENDED	09/12/10	VG
E	COUNCIL COMMENTS AMENDMENTS	30/11/10	MP
D	MINOR AMENDMENTS	24/06/10	DJH
C	ISSUED FOR REVIEW	12/05/10	TK
B	MINOR AMENDMENTS TO BASIN	28/04/10	TK

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DESIGNED: DJH/CJ  
 DRAWN: DJH  
 CHECKED: \_\_\_\_\_

DATUM: AHD  
 ORIGIN:  
 SCALES: 1:1000 @ A1

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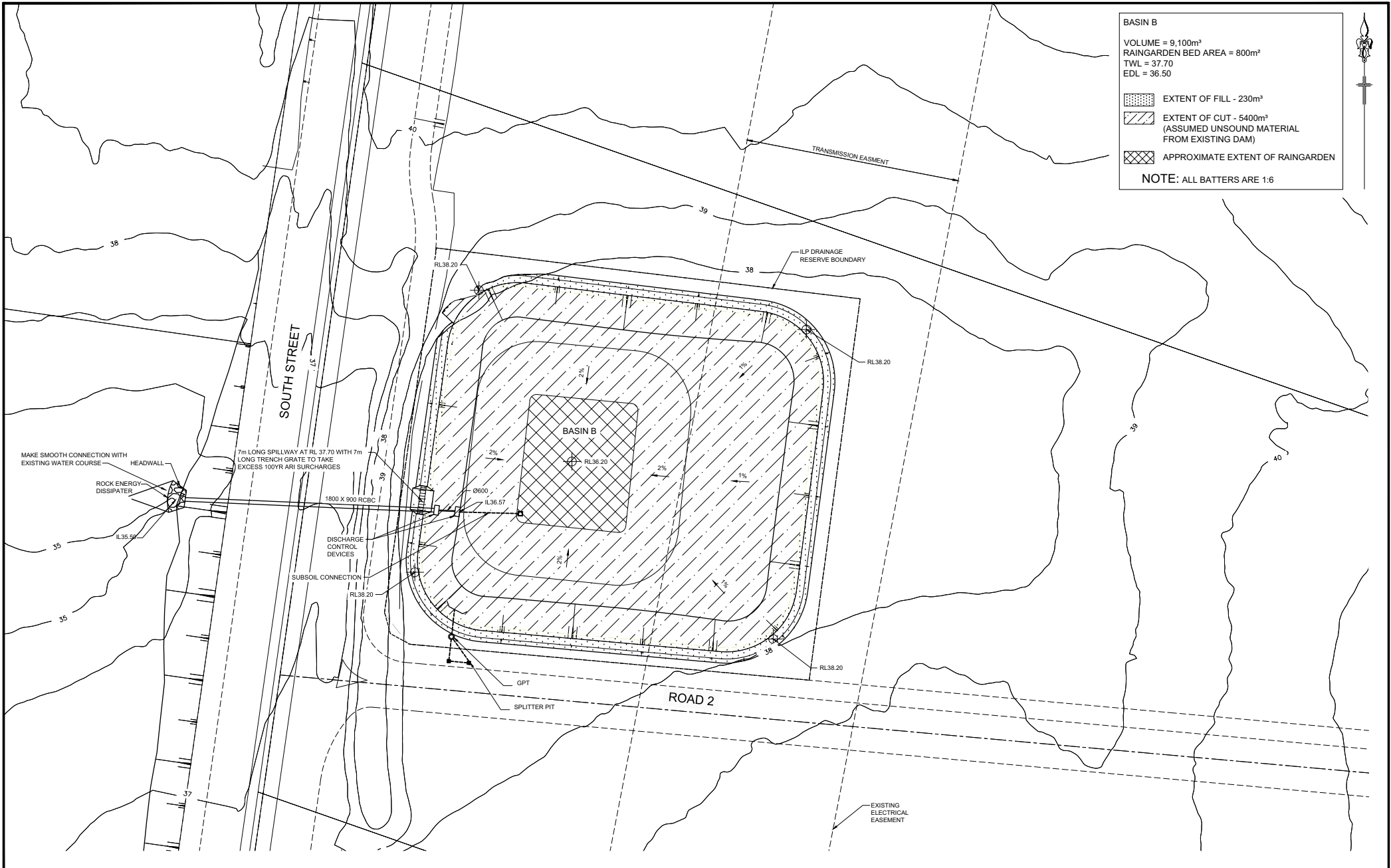
MARSDEN PARK  
 DRAFT S94 BASIN REVIEW  
 BASIN A

PLAN No.  
**8955/SK2**

FILE No.  
 8955\_SK2

**G**

Project: 1 Feb 2011 10:27:40 AM File Name: J:\8955\Drawings\SKW - Concept Sketch Design\8955\_SK3.dwg



**BASIN B**

VOLUME = 9,100m<sup>3</sup>  
 RAINGARDEN BED AREA = 800m<sup>2</sup>  
 TWL = 37.70  
 EDL = 36.50

EXTENT OF FILL - 230m<sup>3</sup>

EXTENT OF CUT - 5400m<sup>3</sup>  
 (ASSUMED UNSOUND MATERIAL FROM EXISTING DAM)

APPROXIMATE EXTENT OF RAINGARDEN

**NOTE: ALL BATTERS ARE 1:6**



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ISSUE	AMENDMENT	DATE	BY
E	ISSUED FOR EXHIBITION	01/02/11	GH
D	COUNCIL COMMENTS AMENDMENTS	30/11/10	MP
C	MINOR AMENDMENTS	24/09/10	DJH
B	ISSUED FOR REVIEW	12/05/10	TK
A	FIRST ISSUE	23/04/10	TK

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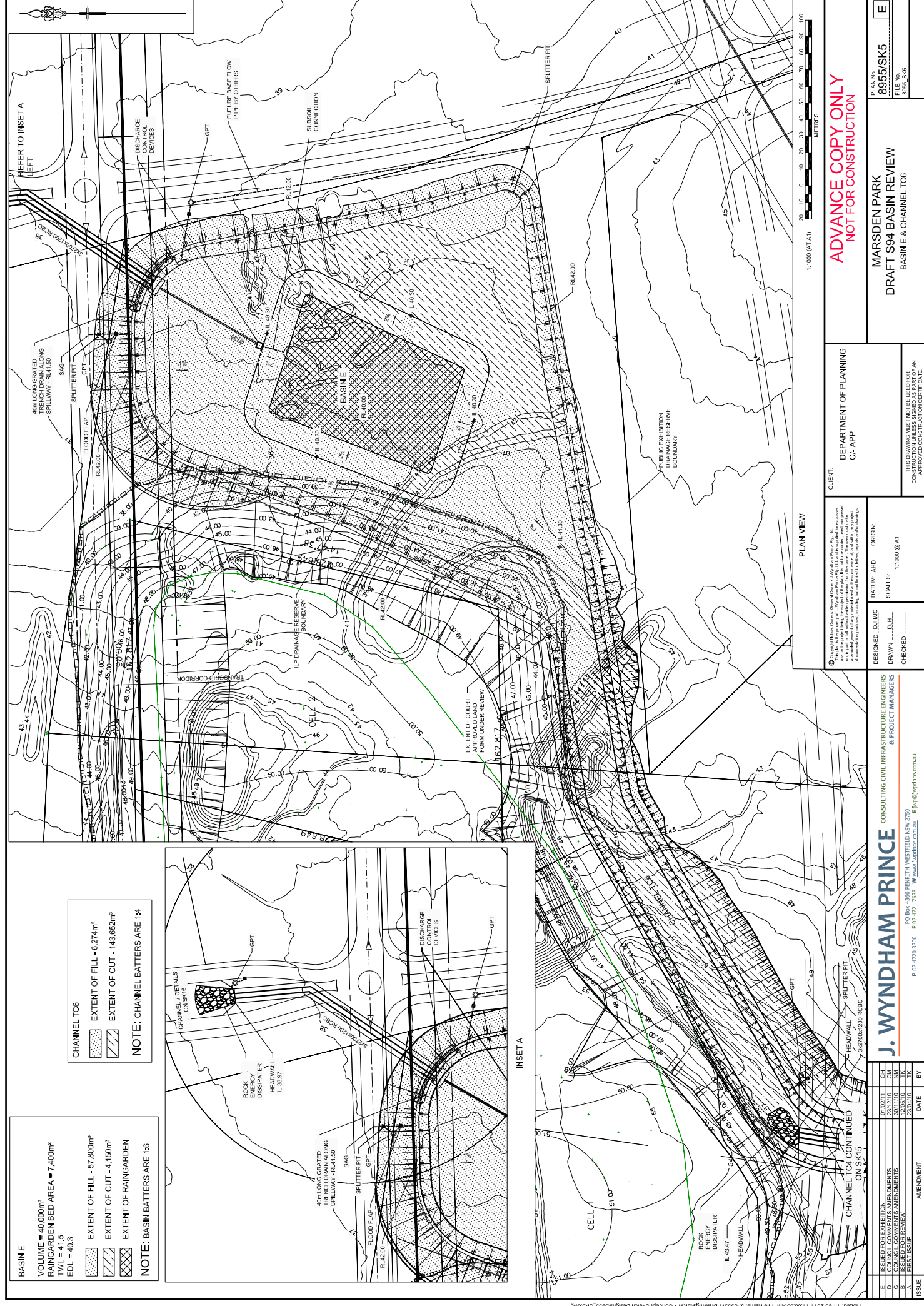
DESIGNED DJH/JC  
 DRAWN DJH  
 CHECKED -----

DATUM: AHD    ORIGIN:  
 SCALES: 1:500 @ A1

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MARSDEN PARK  
 DRAFT S94 BASIN REVIEW  
 BASIN B

PLAN No. <b>8955/SK3</b>	<b>E</b>
FILE No. 8955_SK3	



**BASIN E**  
 VOLUME = 40,000m<sup>3</sup>  
 RAINGARDEN BED AREA = 7,400m<sup>2</sup>  
 TWL = 41.5  
 EDL = 40.3

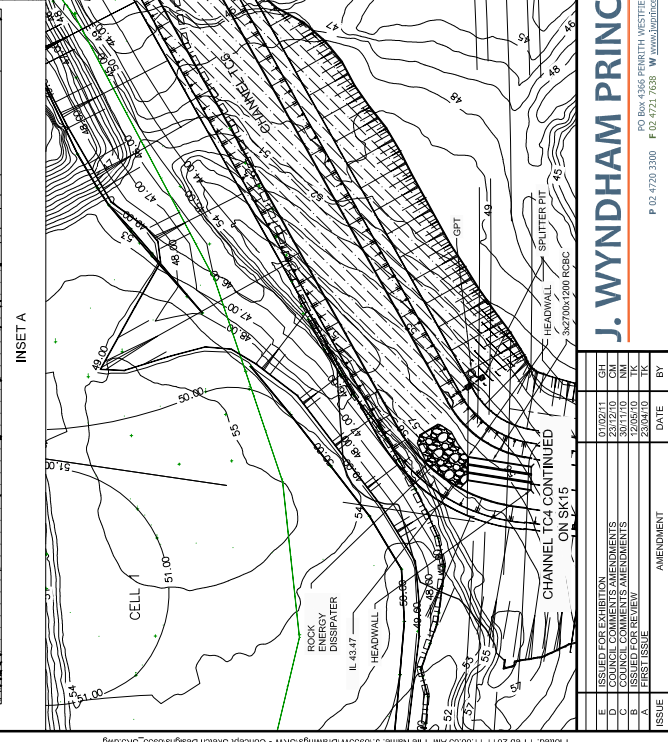
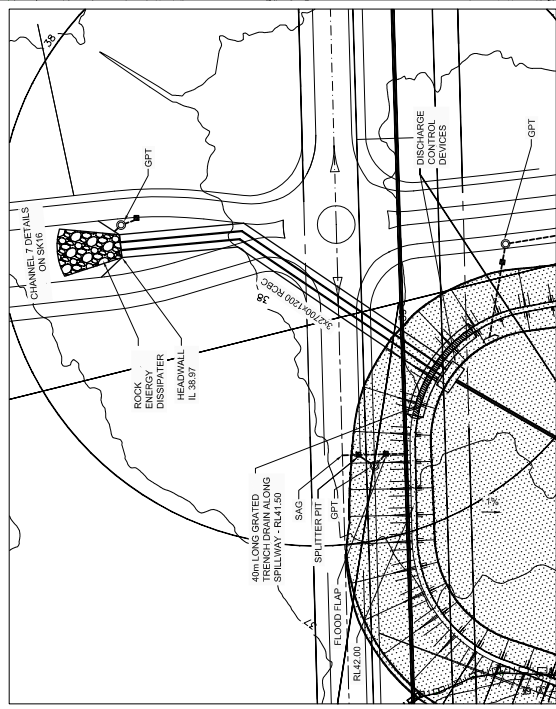
EXTENT OF FILL = 57,800m<sup>3</sup>  
 EXTENT OF CUT = 4,150m<sup>3</sup>  
 EXTENT OF RAINGARDEN

NOTE: BASIN BATTERS ARE 1:6

**CHANNEL TC6**

EXTENT OF FILL = 6,274m<sup>3</sup>  
 EXTENT OF CUT = 143,652m<sup>3</sup>

NOTE: CHANNEL BATTERS ARE 1:4



**PLAN VIEW**  
 1:1000 (AT A1)  
 METRES  
 0 10 20 30 40 50 60 70 80 90 100

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 C-APP

**DESIGNED:** DJLUC  
**DRAWN:** DJLUC  
**CHECKED:** [Signature]

**DATUM:** AHD  
**ORIGIN:** [Blank]  
**SCALES:** 1:1000 @ A1

**PLAN No:** 8955/SK5  
**FILE No:** 8955\_SK5

**MARSDEN PARK**  
**DRAFT S94 BASIN REVIEW**  
**BASIN E & CHANNEL TC6**

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ISSUE	AMENDMENT	DATE	BY
E	ISSUED FOR EXHIBITION	01/02/21	GH
C	COUNCIL COMMENTS	30/11/20	NM
B	ISSUED FOR REVIEW	22/07/20	TK
A	FIRST ISSUE	23/04/20	TK

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**BASIN G**

VOLUME = 33,140m<sup>3</sup>  
 RAINGARDEN BED AREA (MAJ) = 6,000m<sup>2</sup>, (MIN) 880m<sup>2</sup>  
 TWL = 32.84  
 EDL = 31.6

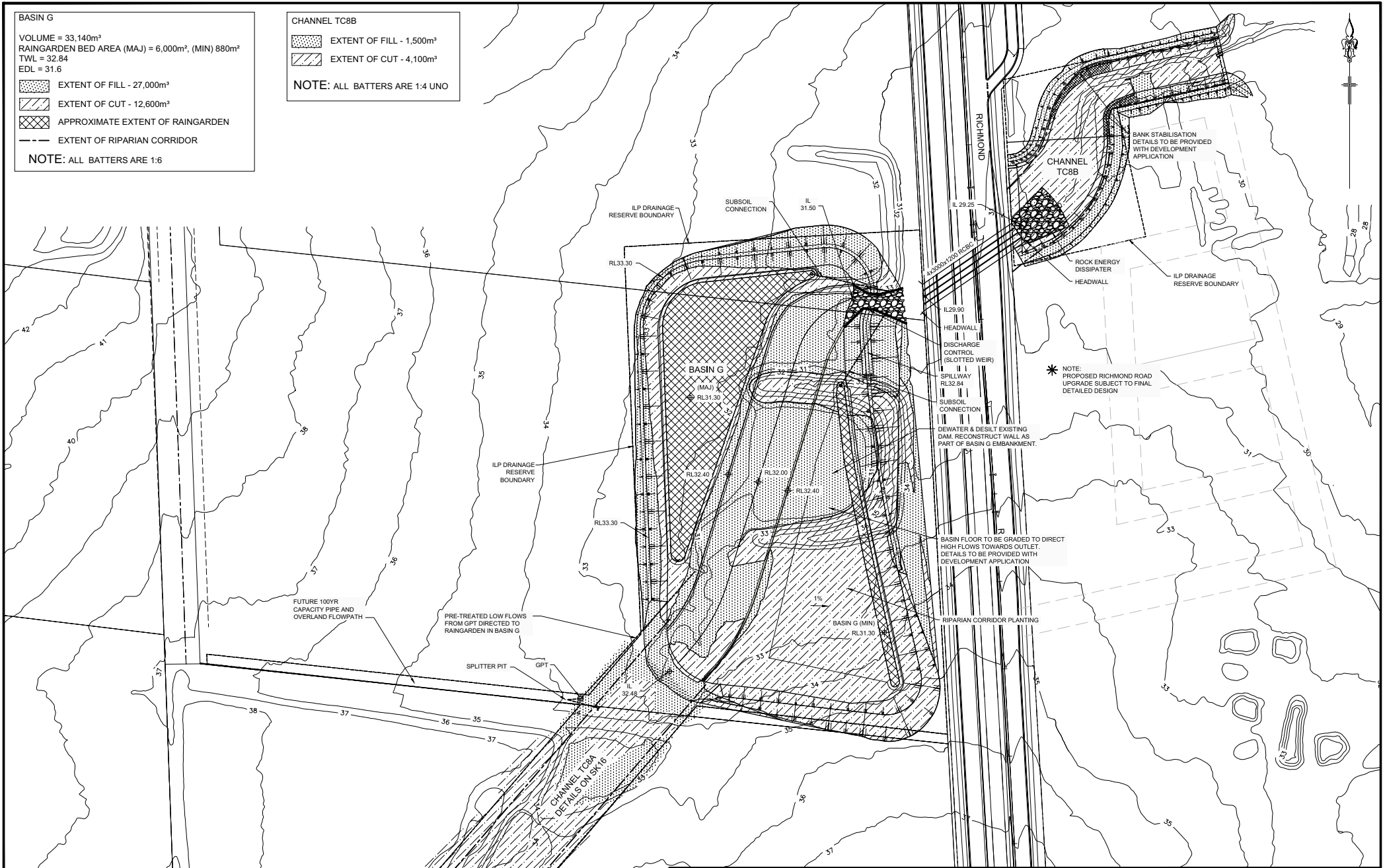
EXTENT OF FILL - 27,000m<sup>3</sup>  
 EXTENT OF CUT - 12,600m<sup>3</sup>  
 APPROXIMATE EXTENT OF RAINGARDEN  
 EXTENT OF RIPARIAN CORRIDOR

NOTE: ALL BATTERS ARE 1:6

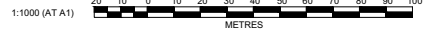
**CHANNEL TC8B**

EXTENT OF FILL - 1,500m<sup>3</sup>  
 EXTENT OF CUT - 4,100m<sup>3</sup>

NOTE: ALL BATTERS ARE 1:4 UNO



Project: 1 Feb 2011 10:29:44 AM File Name: J:\8955\Drawings\SRM - Concept Sketch Design\8955\_SK6.dwg



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ISSUE	AMENDMENT	DATE	BY
G	ISSUED FOR EXHIBITION	10/02/11	GH
F	TC8A AND BASIN FLOOR AMENDMENTS	23/12/10	AS
E	COUNCIL COMMENTS AMENDMENTS	30/11/10	MP
D	ISSUED FOR REVIEW	12/05/10	TK
C	AMENDMENT TO BASIN BOUNDARY	29/04/10	DJH
B	MINOR AMENDMENTS TO BASIN	27/04/10	TK

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DESIGNED: DJH/JC  
 DRAWN: DJH  
 CHECKED: -----

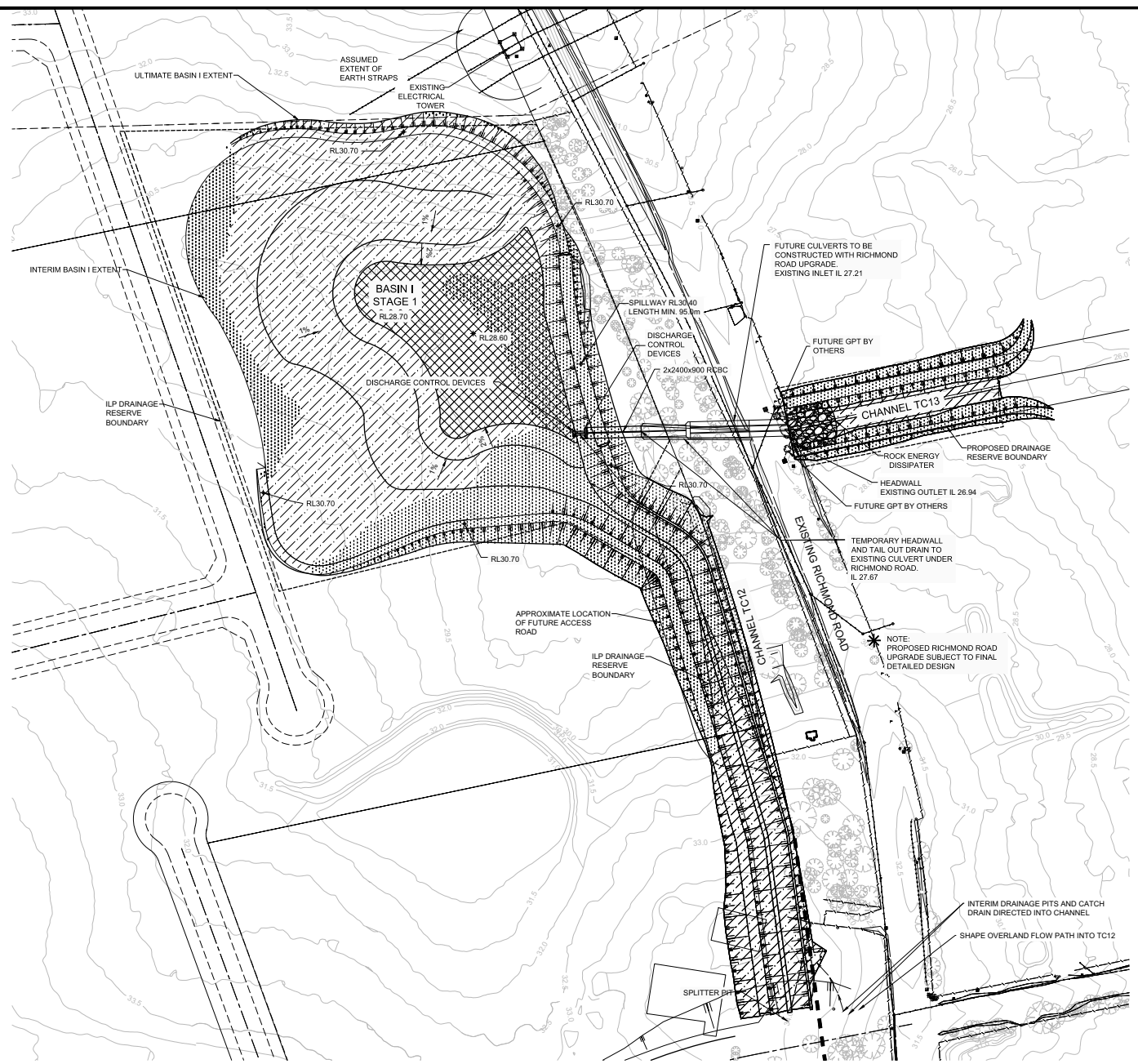
DATUM: AHD  
 ORIGIN:  
 SCALES: 1:1000 @ A1

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MARSDEN PARK  
 DRAFT S94 BASIN REVIEW  
 BASIN G AND CHANNEL TC8B

PLAN No. <b>8955/SK6</b>	<b>G</b>
FILE No. 8955_SK6	

Project: 1 Feb 2011 10:30:39 AM File Name: J:\8955\Drawings\SK7\Concept Sketch Design\8955\_SK7.dwg



**BASIN I**

VOLUME = 35,300m<sup>3</sup>  
 RAINGARDEN BED AREA = 5,700m<sup>2</sup>  
 TWL (100yr) = 30.20  
 TWL (500yr) = 30.40 (PROVIDES 500yr FLOOD IMMUNITY FOR RICHMOND ROAD)  
 EDL = 28.9

EXTENT OF FILL - 7,100m<sup>3</sup>  
 EXTENT OF CUT - 15,400m<sup>3</sup>  
 EXTENT OF RAINGARDEN

NOTE: BASIN BATTERS ARE 1:6

**CHANNEL TC12**

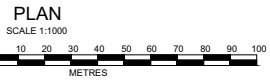
EXTENT OF FILL - 6,750m<sup>3</sup>  
 EXTENT OF CUT - 9,200m<sup>3</sup>

NOTE: CHANNEL BATTERS ARE 1:4

**CHANNEL TC13**

EXTENT OF FILL - 1,760m<sup>3</sup>  
 EXTENT OF CUT - 400m<sup>3</sup>

NOTE: CHANNEL BATTERS ARE 1:4



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DESIGNED: DJH/JC  
 DRAWN: DJH  
 CHECKED: \_\_\_\_\_

DATUM: AHD  
 ORIGIN:  
 SCALES: 1:1000 @ A1

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**MARSDEN PARK**  
DRAFT S94 BASIN REVIEW  
BASIN I & CHANNELS 12 & 13

PLAN No. **8955/SK7** F

FILE No. 8955\_SK7

ISSUE	AMENDMENT	DATE	BY
F	BASIN AMENDED AS PER DA SUBMISSION	01/02/11	GH
E	COUNCIL COMMENTS AMENDMENTS	30/11/10	MP
D	ISSUED FOR REVIEW	12/05/10	TK
C	MINOR AMENDMENTS TO BASIN	28/04/10	TK
B	CHANGE TO BASIN LAYOUT	23/04/10	TK
A	FOR DISCUSSION	15/03/10	DJH

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