

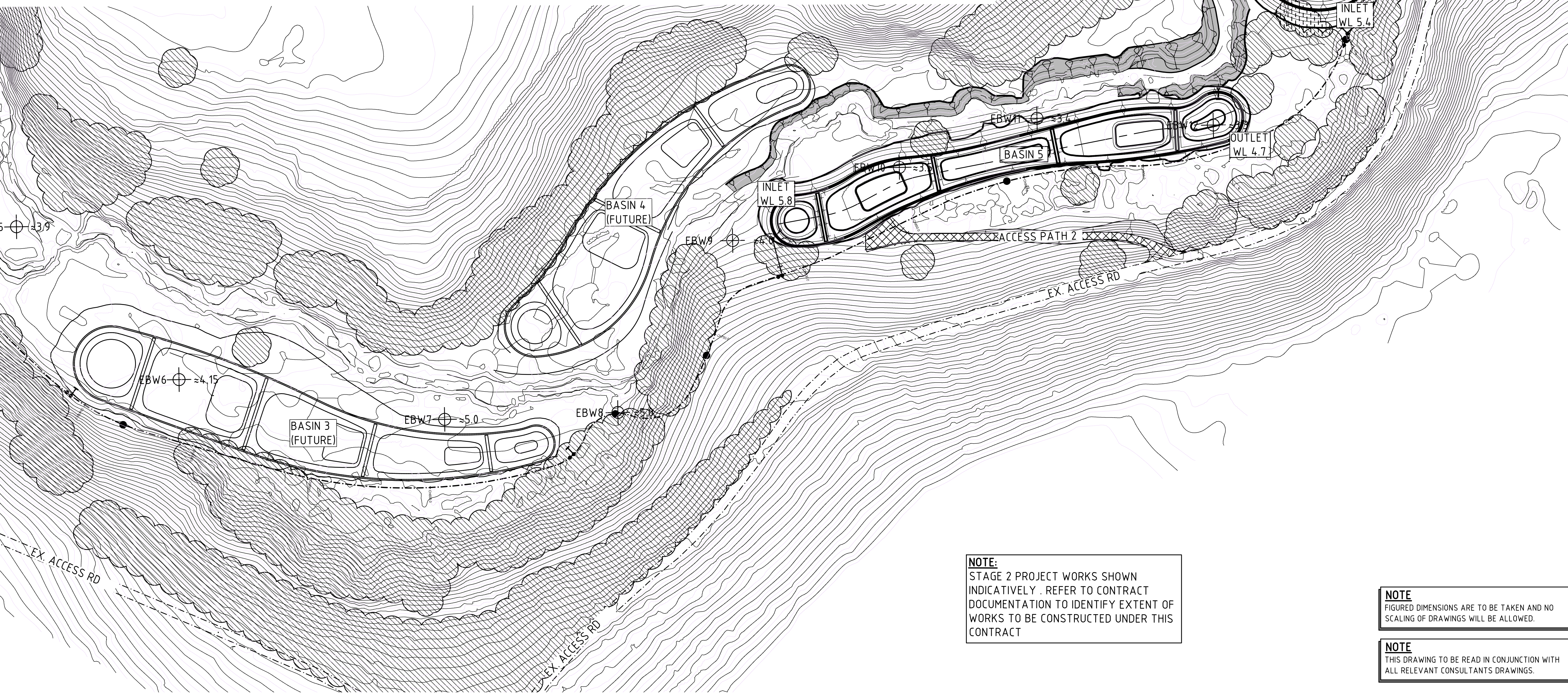
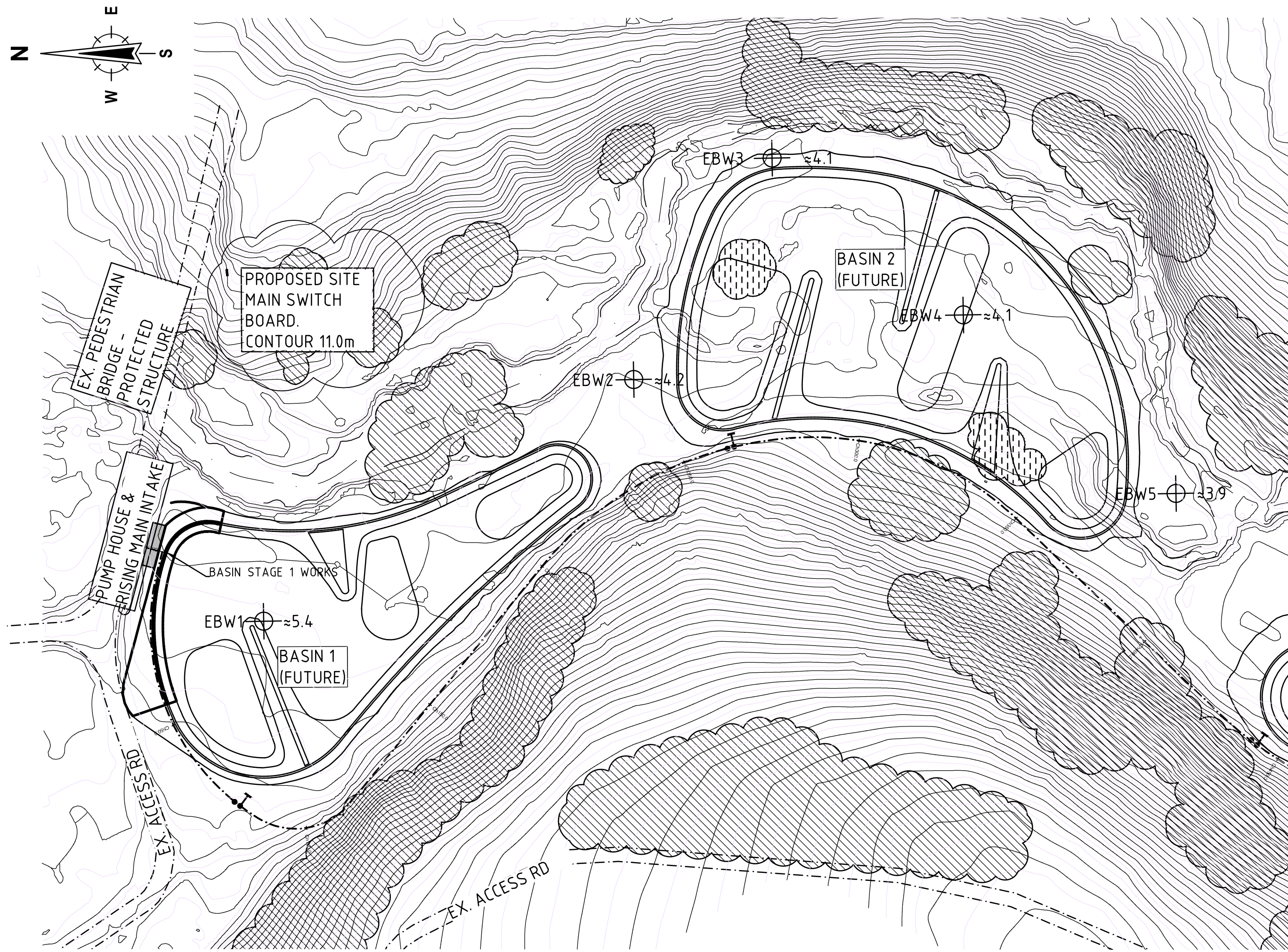
JOINS BELOW

JOINS BELOW

LINEWORK LEGEND

- 5.0 EXISTING/DESIGN CONTOUR (0.25m INTERVALS)
- EXISTING SIGNIFICANT VEGETATION (INDICATIVE ONLY)
- NEW ACCESS PATH
- RIVER CHANNEL REALIGNMENT & EMBANKMENT RE-GRADING
- POTENTIAL FUTURE ROAD RESERVE
- ROCK RIFFLE WITHIN CHANNEL
- WATER DISTRIBUTION MAIN (280 OD)
- APPROX. LOCATION OF PASSM TEST BORE WITH ASSUMED APPROX. LEVEL OF CLAY PASSM MATERIAL

EBW2 \approx 4.2



JOINS ABOVE

JOINS ABOVE

NOTE:
STAGE 2 PROJECT WORKS SHOWN INDICATIVELY. REFER TO CONTRACT DOCUMENTATION TO IDENTIFY EXTENT OF WORKS TO BE CONSTRUCTED UNDER THIS CONTRACT

NOTE
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NOTE
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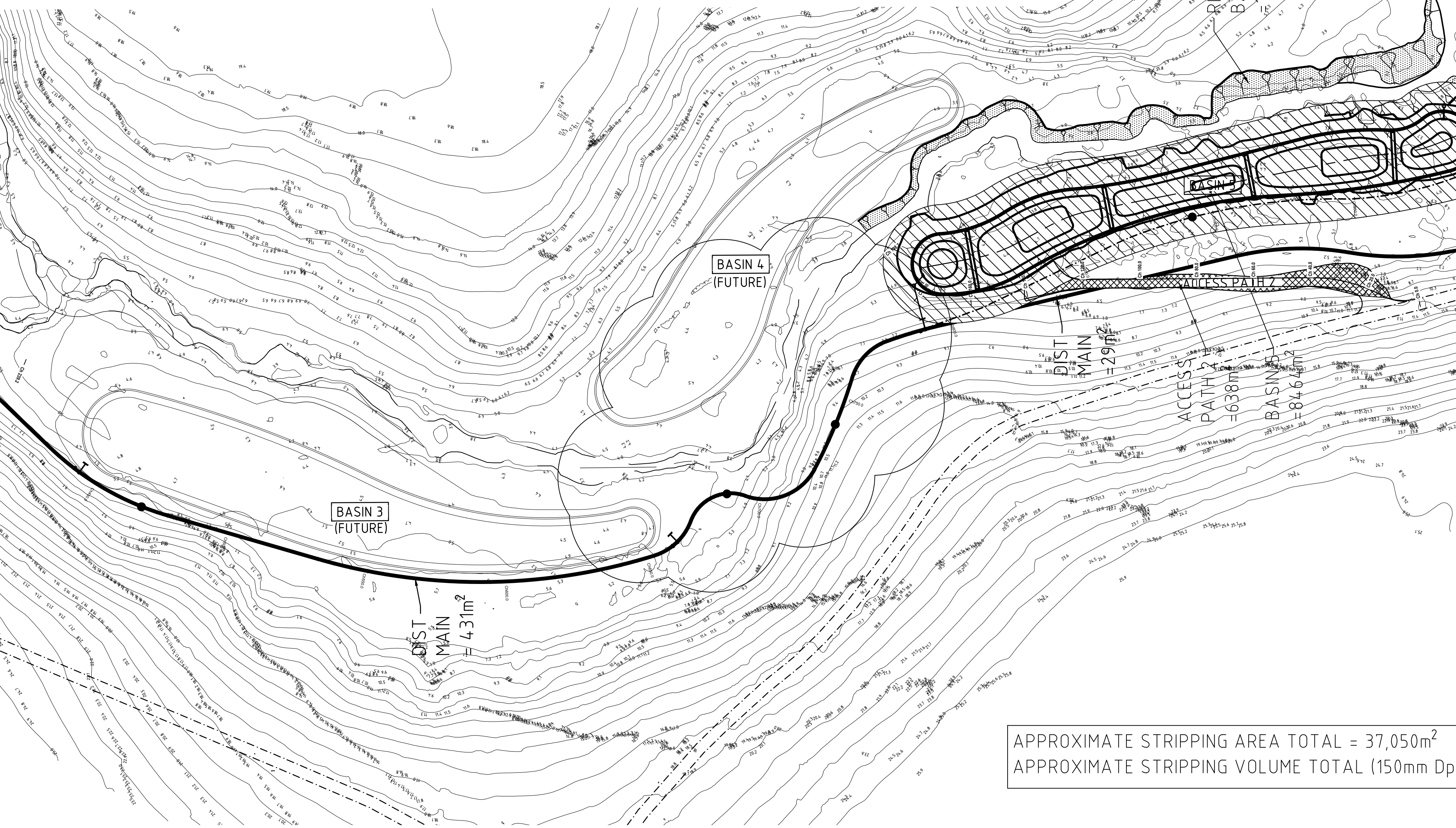
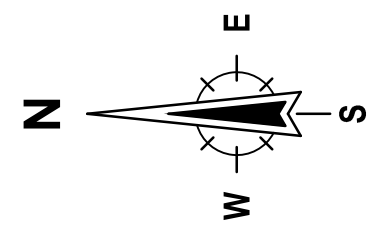


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Department of Finance
Building Management and Works

ELLEN BROOK WET LANDS
CONSTRUCTION OF NUTRIENT STRIPPING WETLANDS STG 1
SWAN RIVER TRUST
GENERAL ARRANGEMENT PLAN

DRAWN	DCM	DESIGNED	FC	REDUCTION
CHECKED	FC	PRINCIPAL		0 10 20 30 40
APPROVED				SCALE 1:1000
SCALE	1:1000	DATE	AUGUST 2012	DRAWING No.
DF PROJ No.	BMW 00449612	DF FILE No.	EBW/C102A8	C102A 1

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LINEWORK LEGEND

- ACCESS PATH INCLUDING EMBANKMENT
- RIVER CHANNEL RE-GRADING
- BASIN + 10m FROM TOP OF BUND
- RIVER CHANNEL REALIGNMENT

APPROXIMATE STRIPPING AREA TOTAL = 37,050m²
APPROXIMATE STRIPPING VOLUME TOTAL (150mm Dp) = 5560m³

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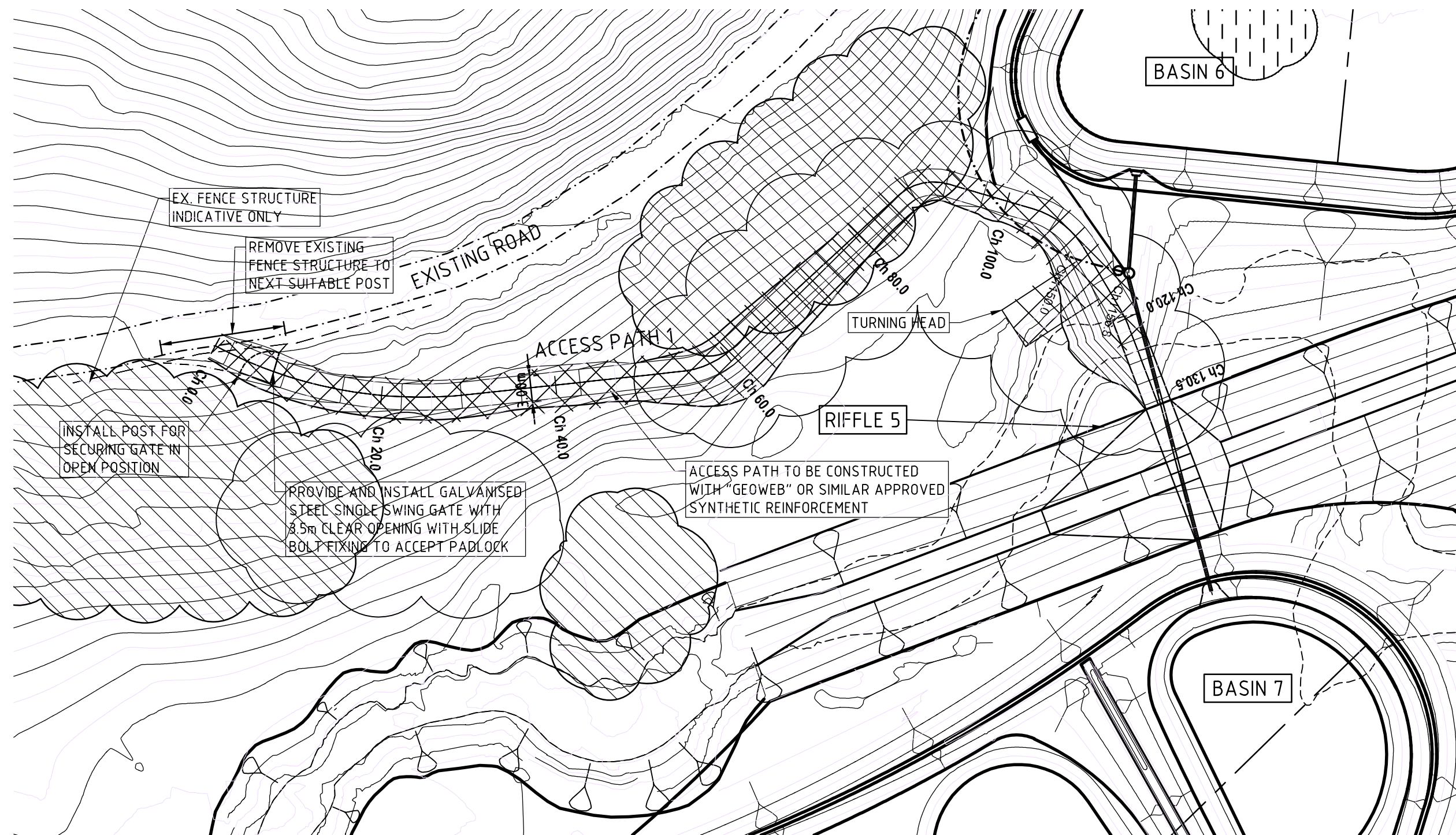
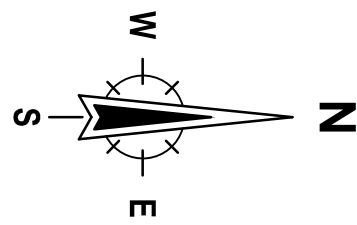


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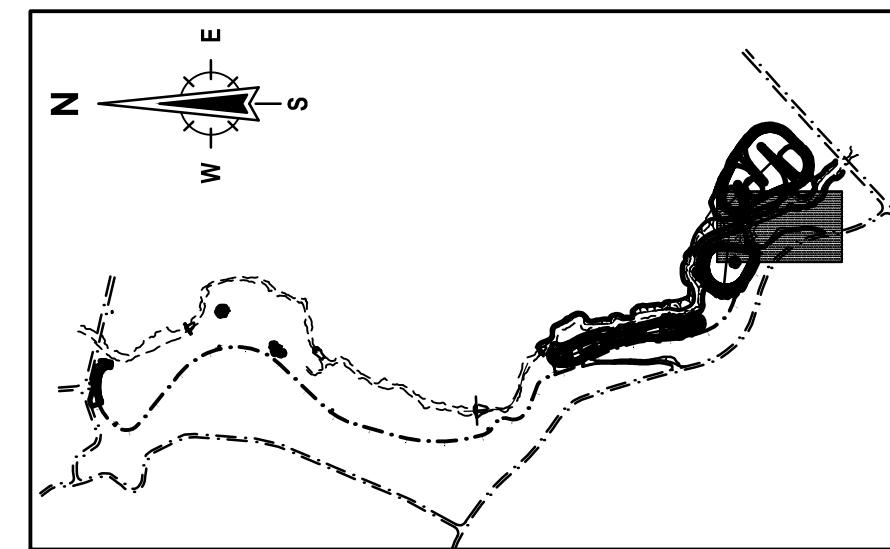
ELLEN BROOK WET LANDS
CONSTRUCTION OF NUTRIENT STRIPPING WETLANDS STG 1
SWAN RIVER TRUST
SITE STRIP PLAN

DRAWN	FC	DESIGNED	FC	REDUCTION
CHECKED	FC	PRINCIPAL		0 10 20 30 40
APPROVED				SCALE 1:1000
SCALE	1:1000	DATE	SEPTEMBER 2012	DRAWING
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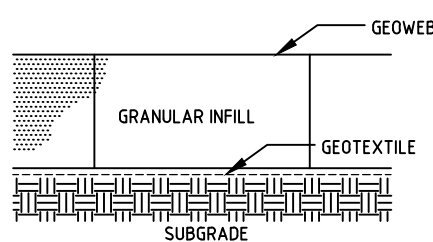
PLAN - ACCESS PATH 1
SCALE 1:500



LOCATION PLAN
SCALE 1:10,000

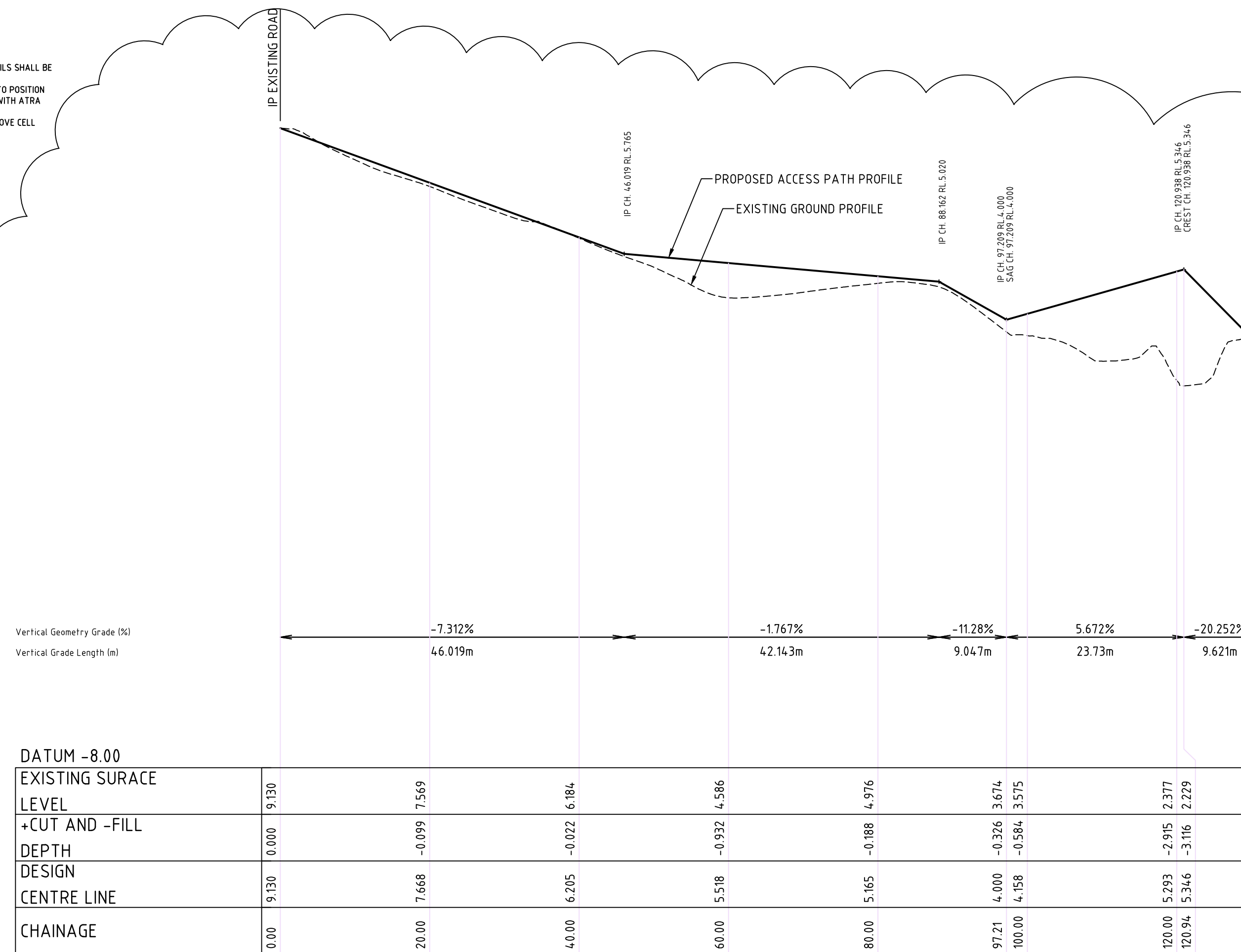
LEGEND

- EXISTING/DESIGN CONTOUR @ 0.25m INTERVALS
- EXISTING VEGETATION
- EXTENT OF "GEOWEB" OR SIMILAR APPROVED
- EXISTING FENCE STRUCTURE INDICATIVE
- NEW FENCE STRUCTURE (TIMBER POST AND RAIL)
- TADPOLE INDICATING CUT/FILL EMBANKMENTS



LOAD SUPPORT OVER SOFT SOIL

- NOTES
1. STRIP THE TOPSOIL TO 150mm DEPTH
 2. LEVEL AND PREPARE THE SUBGRADE
 3. COMPACT THE SUBGRADE TO A MINIMUM 98% MDD
 4. VERIFY THE SUBGRADE STRENGTH. IF UNACCEPTABLE, THE SOILS SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER
 5. EXPAND THE GEOWEB TO (OR SIMILAR APPROVED SECTIONS INTO POSITION AND CONNECT THE END TO END AND INTERLEAF CONNECTIONS WITH ATTRA KEYS
 6. PLACE THE CRUSHED Limestone INFILL MATERIAL TO 50mm ABOVE CELL WALLS AND COMPACT TO A MINIMUM 95% MDD.



HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

LONGITUDINAL SECTION - ACCESS PATH 1

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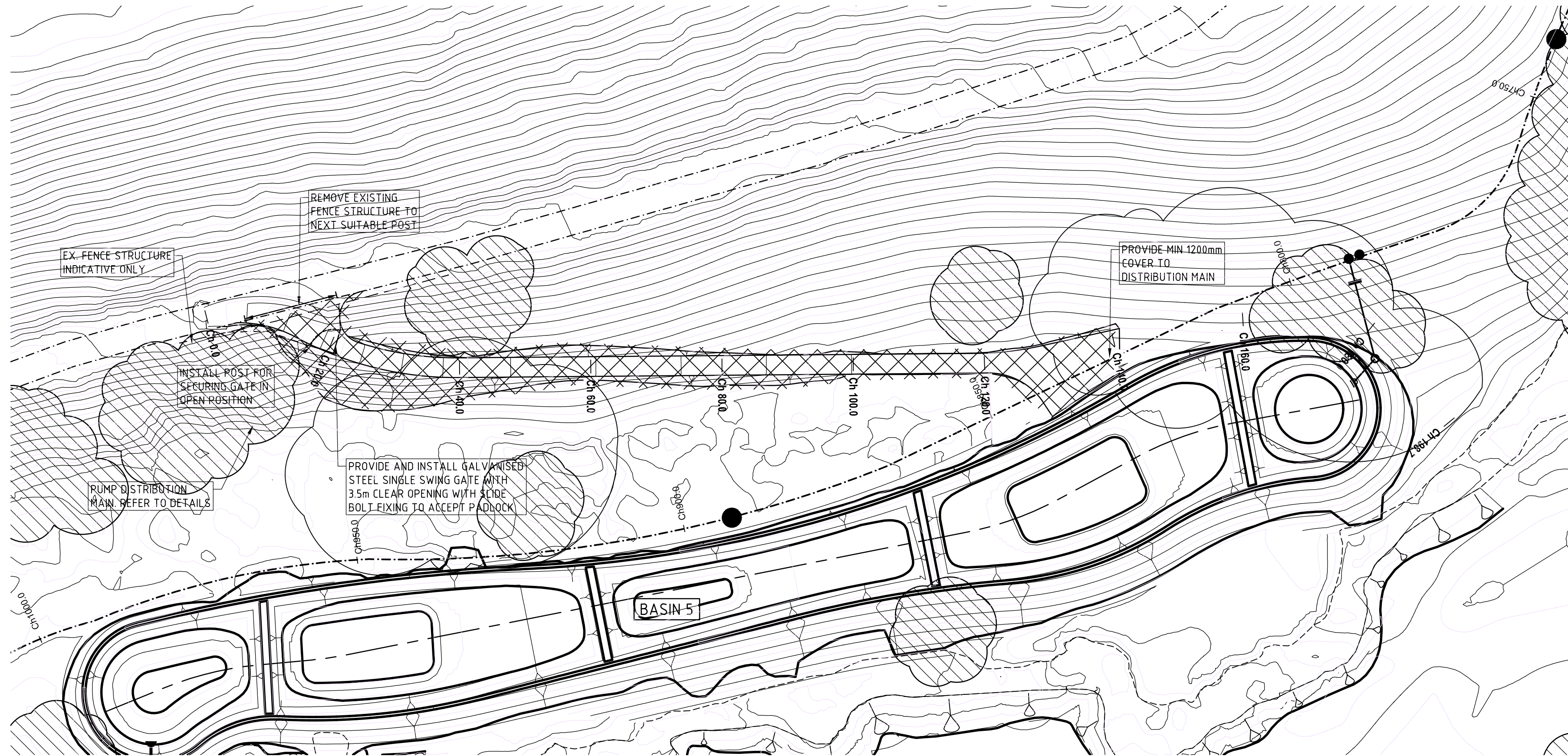


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ELLEN BROOK WET LANDS
CONSTRUCTION OF NUTRIENT STRIPPING WETLANDS STG 1
SWAN RIVER TRUST
ACCESS PATH 1 - PLAN AND DETAILS

DRAWN	DCM	DESIGNED	FC	REDUCED	0 5 10 15 20
CHECKED	FC	PRINCIPAL			SCALE 1:500
APPROVED					
SCALE	1:500	DATE	SEPTEMBER 2012	DRAWING No.	C120A 1
DF PROJ No.	BMW 00449612	DF FILE No.	EBWC120A7		

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Profile view showing the proposed access path profile (solid line) and the existing ground profile (dashed line). The vertical axis is labeled "IP EXISTING ROAD". Key points on the profile include:

- IP CH. 4+000 RL 1800
- PROPOSED ACCESS PATH PROFILE
- EXISTING GROUND PROFILE
- IP CH. 10+844 RL 5.419
- IP CH. 13+372 RL 1.93, 5+62 CH. 17+21 RL 1.93
- DISTRIBUTION MAIN IL 4.45

SCALE 1:500



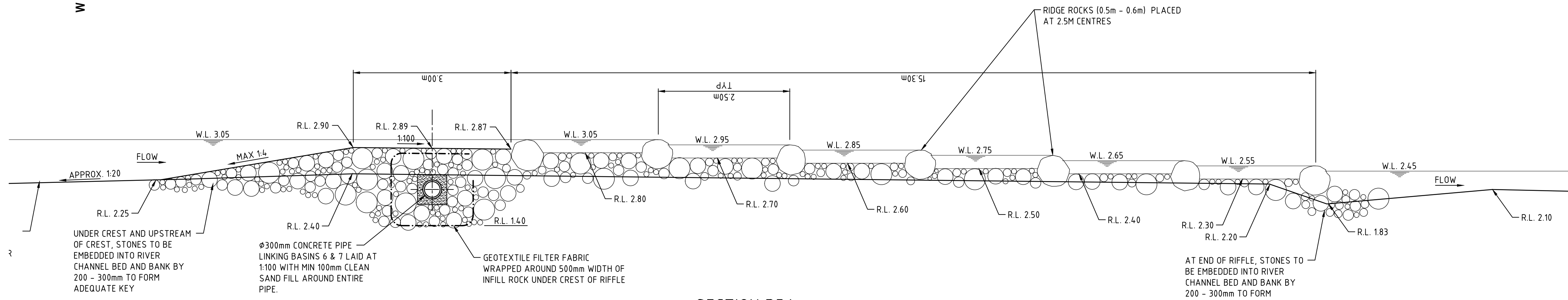
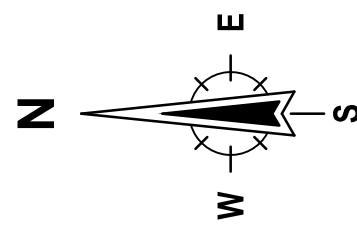
	EXISTING/DESIGN CONTOUR @ 0.25m INTERVALS
	EXISTING VEGETATION
	EXTENT OF "GEOWEB" OR SIMILAR APPROVED
	EXISTING FENCE STRUCTURE INDICATIVE
	NEW FENCE STRUCTURE (TIMBER POST AND RAIL)
	TADPOLE INDICATING CUT/FILL EMBANKMENTS

- NOTES:
1. STRIP THE TOPSOIL TO 150mm DEPTH
 2. LEVEL AND PREPARE THE SUBGRADE
 3. COMPACT THE SUBGRADE TO A MINIMUM 98% MDD
 4. VERIFY THE SUBGRADE STRENGTH, IF UNACCEPTABLE, THE SOILS SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.
 5. EXPAND THE GEOWEB 75 (OR SIMILAR APPROVED) SECTIONS INTO POSITION AND CONNECT THE END TO END AND INTERLEAF CONNECTIONS WITH ATRA KEYS.
 6. PLACE THE CRUSHED LIMESTONE INFILL MATERIAL TO 40mm ABOVE CELL WALLS AND COMPACT TO A MINIMUM 95% MDD.

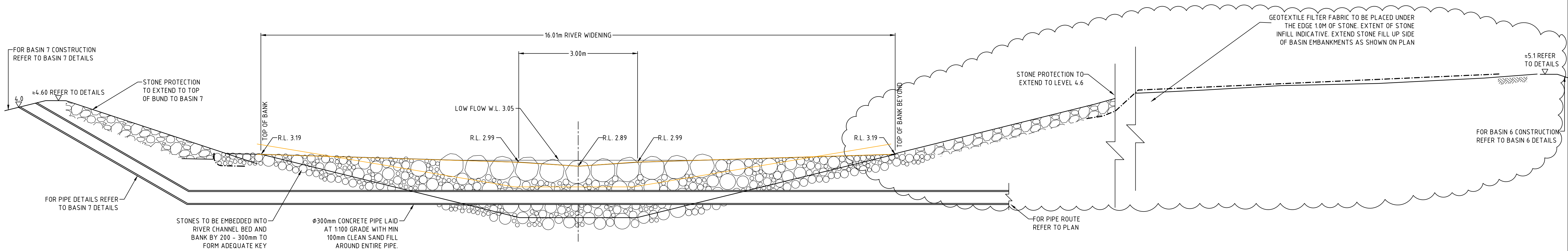
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FC					
APPROVED					
-					
SCALE		DATE		DRAWING	
1:500		SEPTEMBER 2012		No.	
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RMW 004/9612		FRW/121A7			

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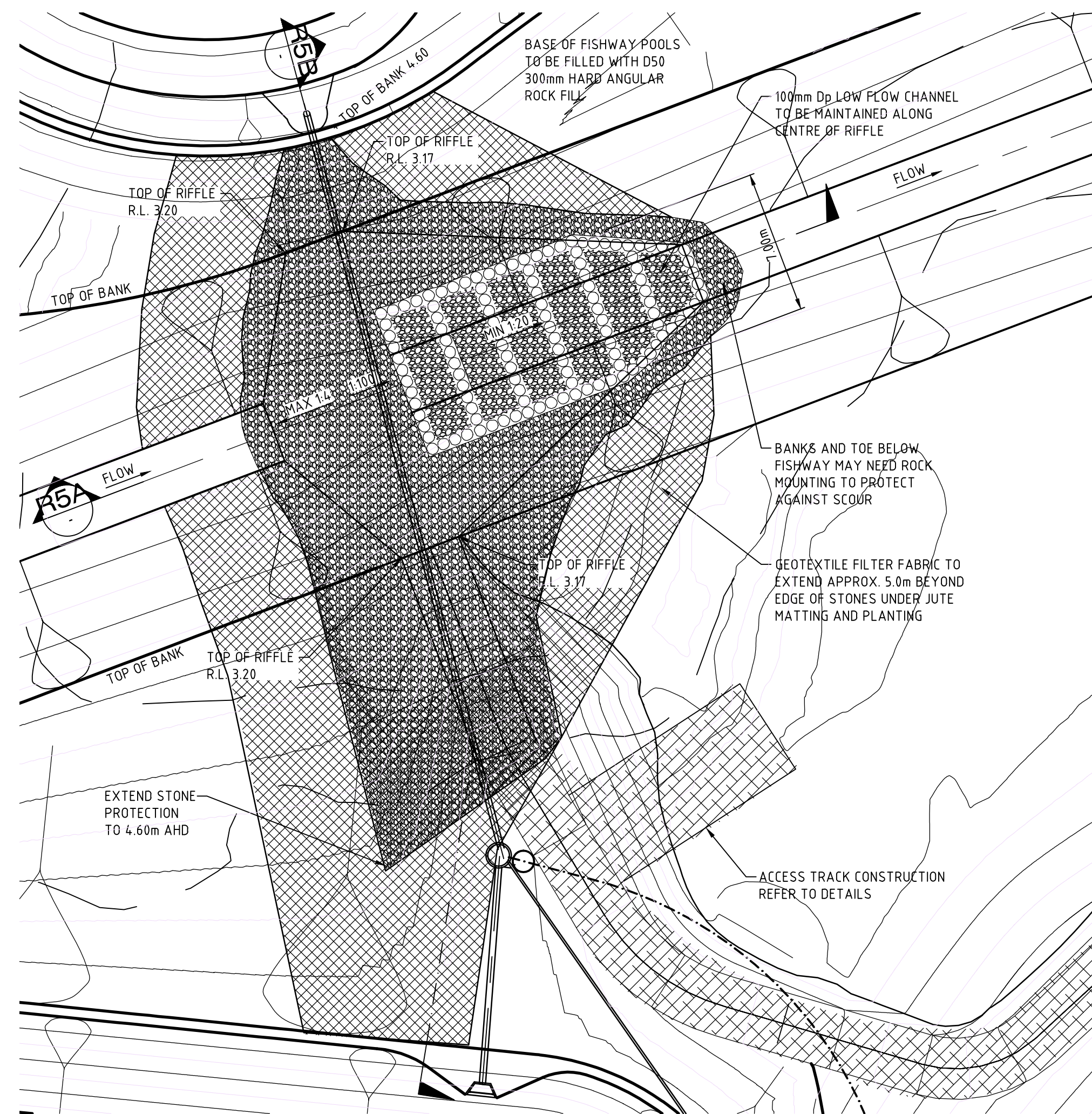
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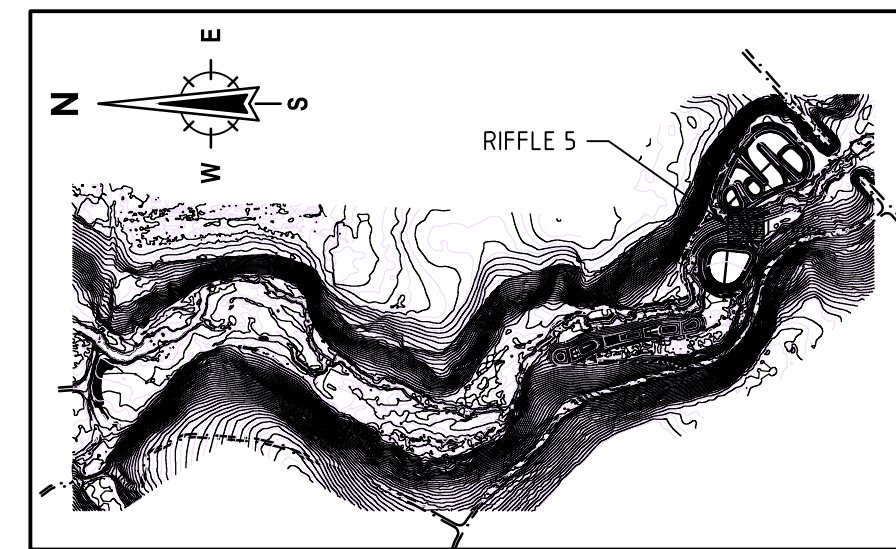
SECTION R5A
SCALE 1:50



SECTION R5B
SCALE 1:50



PLAN - RIFFLE 5
SCALE 1:200



LOCATION PLAN
SCALE 1:10,000

LEGEND

- 5.0 EXISTING/PROPOSED CONTOUR (0.25m INTERVALS)
- D50 300mm HARD GRANULAR ROCK FILL BETWEEN RIDGE ROCKS AND TO RIFFLE HEAD AND BACK SLOPE
- GEOTEXTILE FILTER FABRIC "BIDIM A24" OR SIMILAR APPROVED

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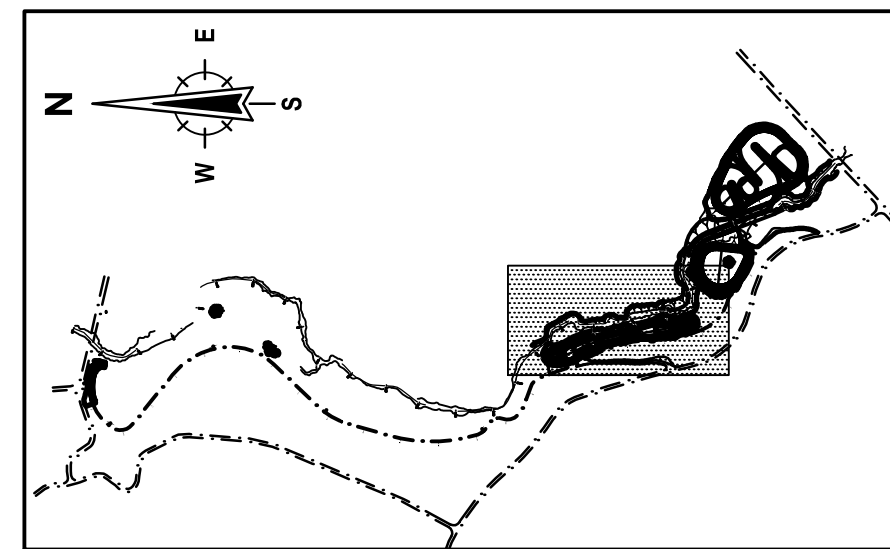
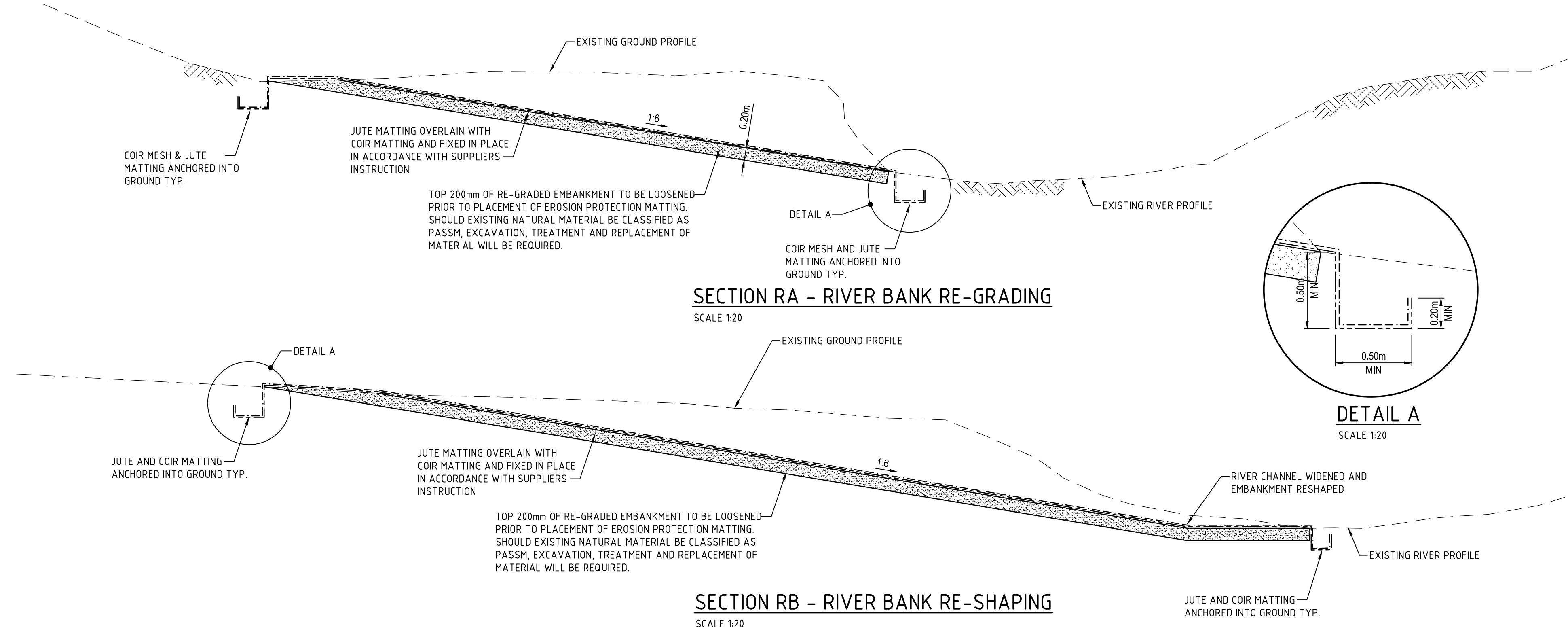
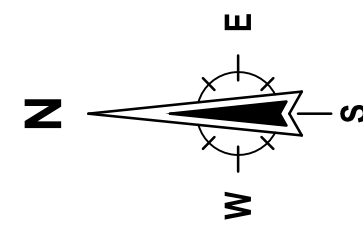
ELLEN BROOK WET LANDS
CONSTRUCTION OF NUTRIENT STRIPPING WETLANDS STG 1
SWAN RIVER TRUST
RIFFLE 5 - PLAN AND DETAILS

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APPROVED				SCALE 1:200
SCALE	1:200	DATE	SEPTEMBER 2012	DRAWING No.
DF PROJ No.	BMW 00449612	DF FILE No.	EBWC138A6	C138A 1

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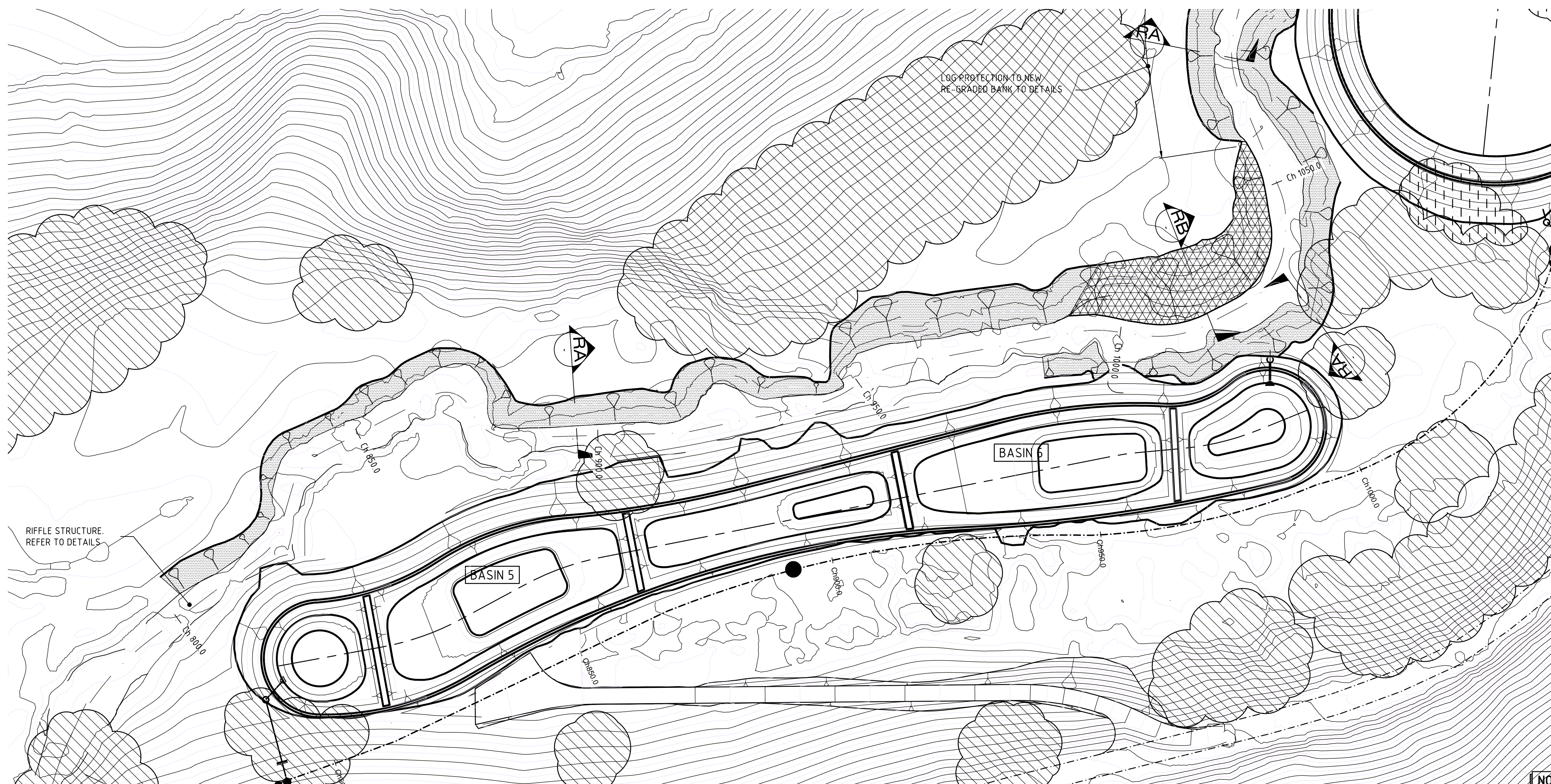
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LOCATION PLAN
SCALE 1:10,000

LEGEND

- EXISTING/DESIGN CONTOUR
- EXISTING RIVER CHANNEL ALIGNMENT (LOCATION INDICATIVE)
- EXISTING SIGNIFICANT VEGETATION (INDICATIVE ONLY)
- RIVER BANK RE-GRADING (SECTION A)
- RIVER BANK RE-SHAPING & RIVER CHANNEL REALIGNMENT (SECTION B)



PLAN - REALIGNMENT AND REGRAIDING SHEET 4 OF 5
SCALE 1:500

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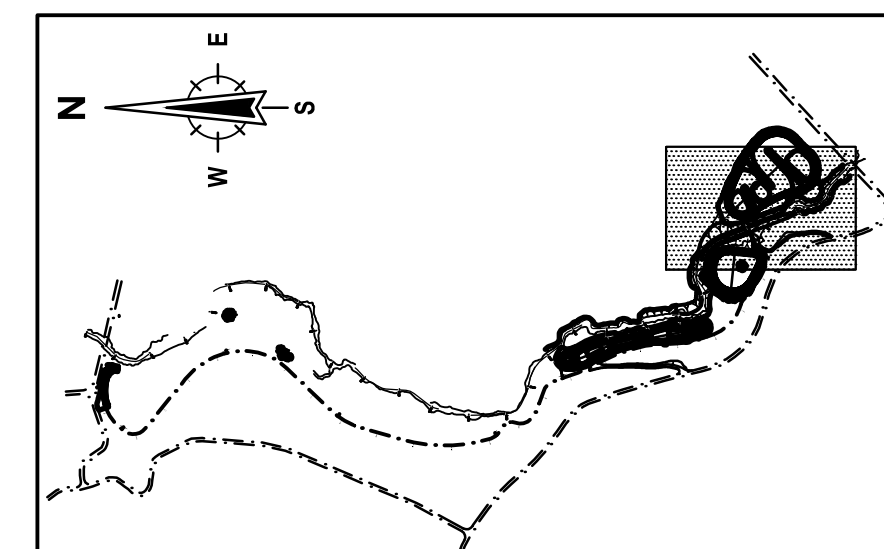
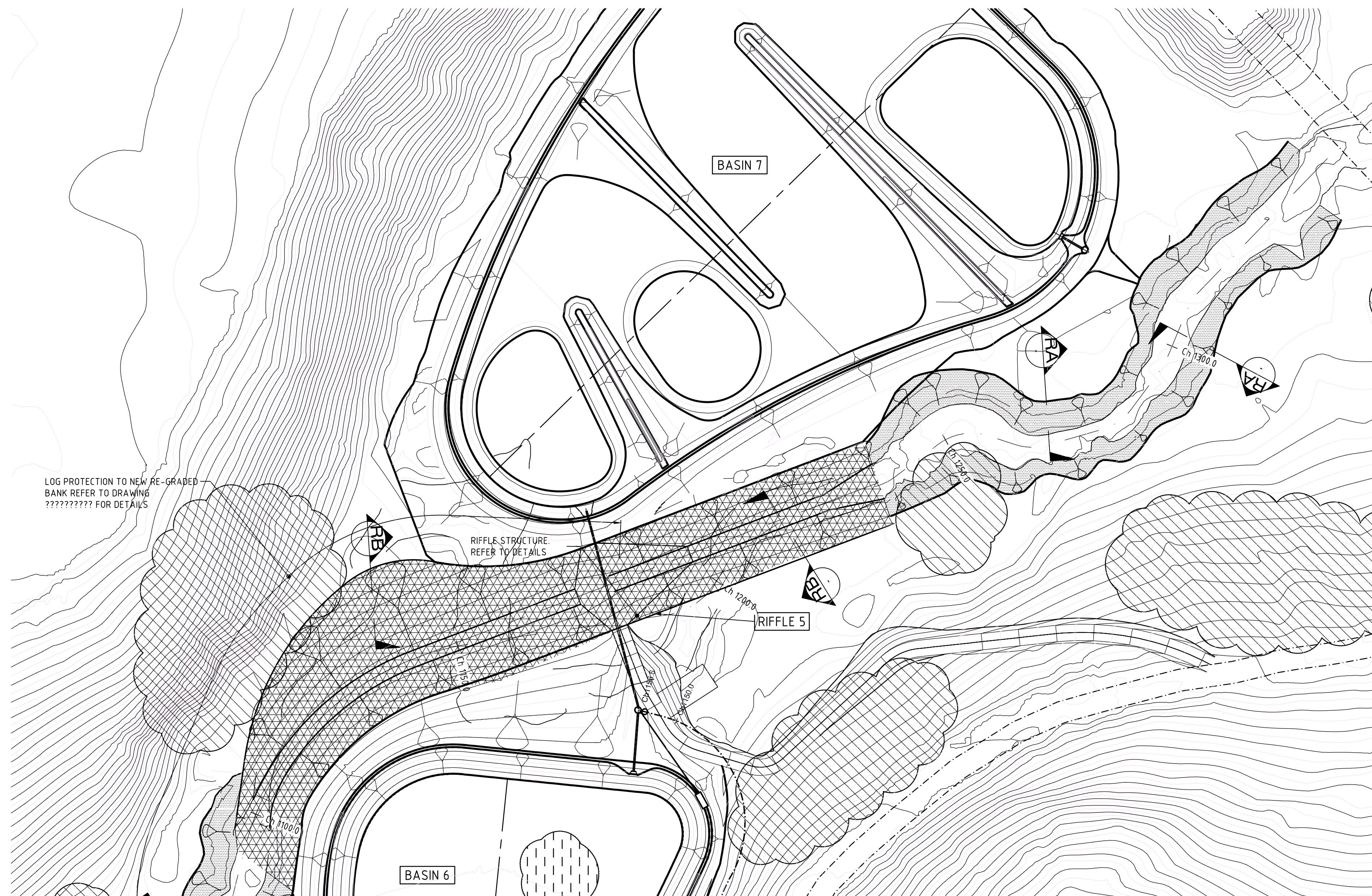
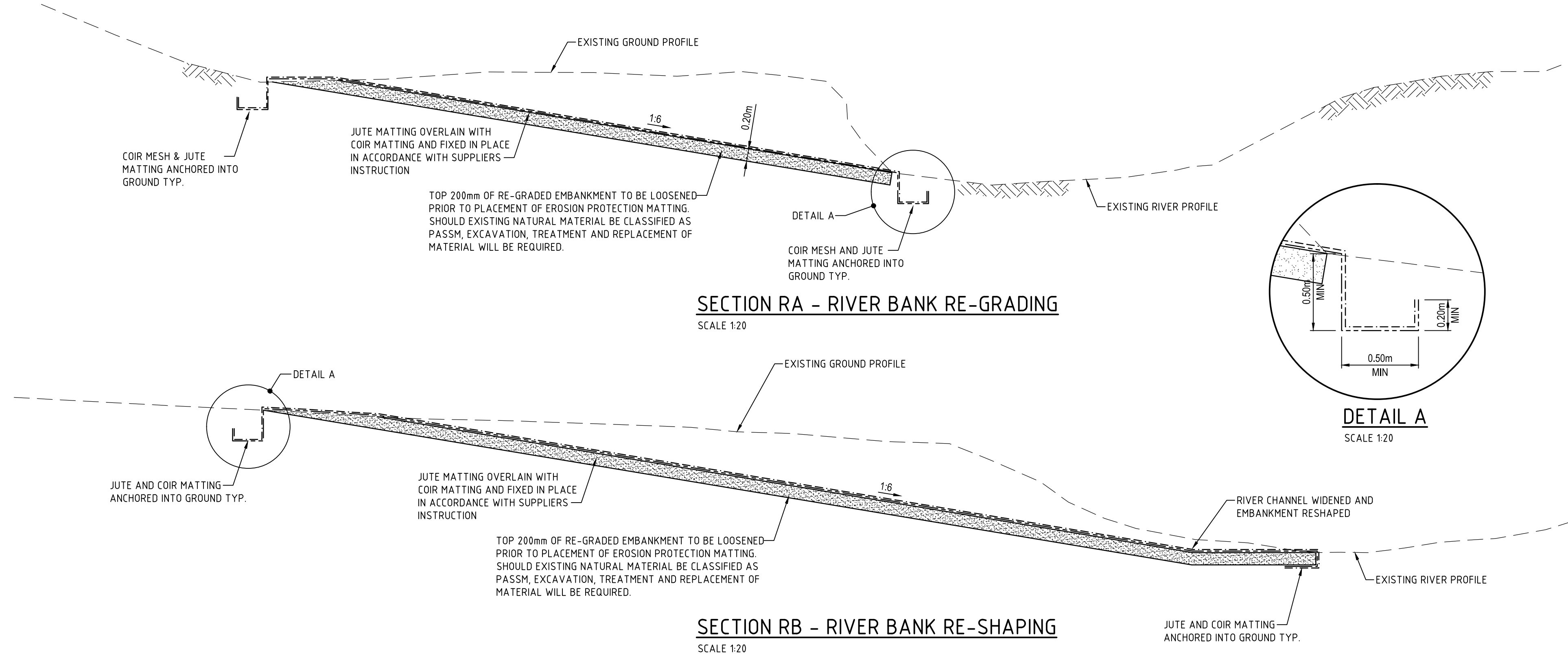
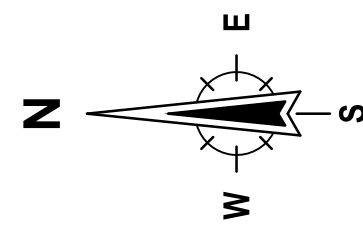


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ELLEN BROOK WET LANDS
CONSTRUCTION OF NUTRIENT STRIPPING WETLANDS STG 1
SWAN RIVER TRUST
RIVER REALIGNMENT AND REGRAIDING SHEET 4

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APPROVED					
SCALE	1:500	DATE	SEPTEMBER 2012	DRAWING	No.
DF PROJ No.	BMW 00449612	DF FILE No.	EBW143A7	C143A	1

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LOCATION PLAN

SCALE 1:10,000

LEGEND

- EXISTING/DESIGN CONTOUR
- EXISTING RIVER CHANNEL ALIGNMENT (LOCATION INDICATIVE)
- EXISTING SIGNIFICANT VEGETATION (INDICATIVE ONLY)
- RIVER BANK RE-GRADING (SECTION A)
- RIVER BANK RE-SHAPING & RIVER CHANNEL REALIGNMENT (SECTION B)

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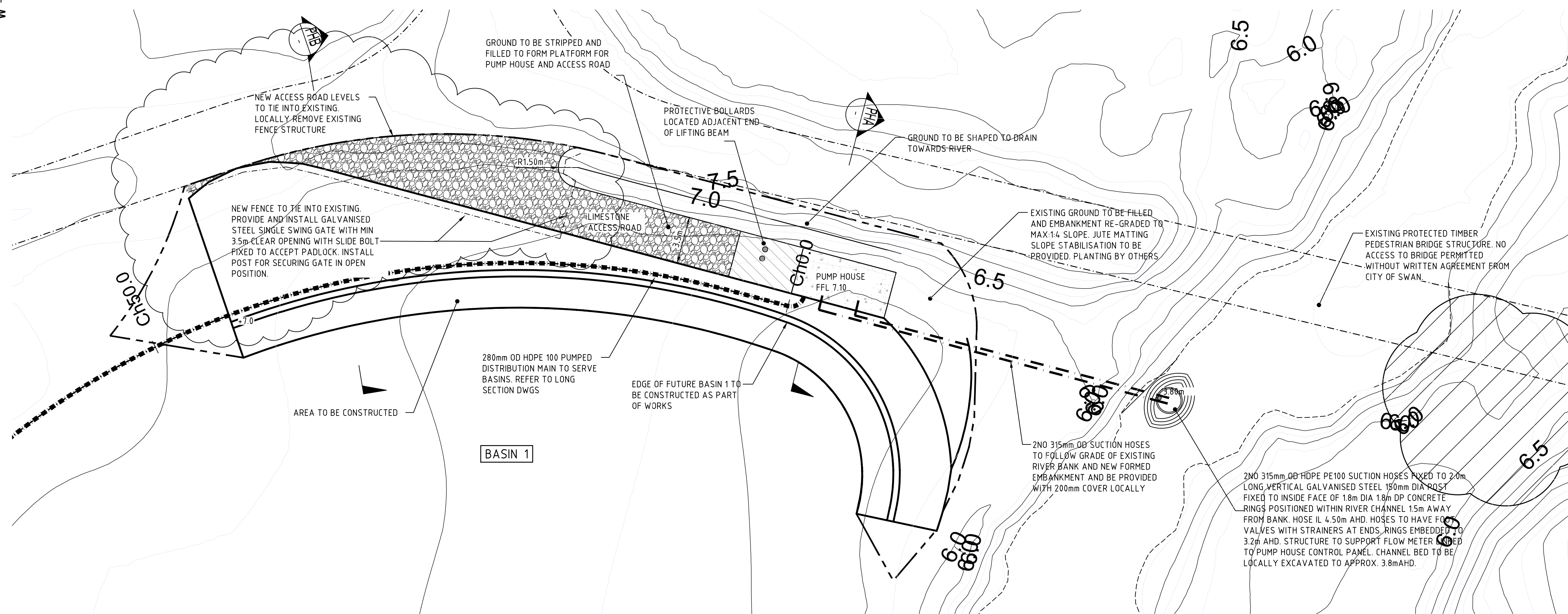
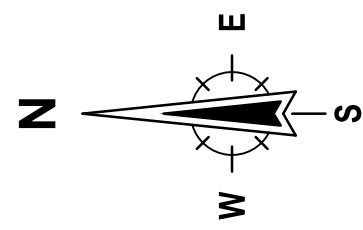
ELLEN BROOK WET LANDS
CONSTRUCTION OF NUTRIENT STRIPPING WETLANDS STG 1
SWAN RIVER TRUST
RIVER REALIGNMENT AND REGRADING SHEET 5

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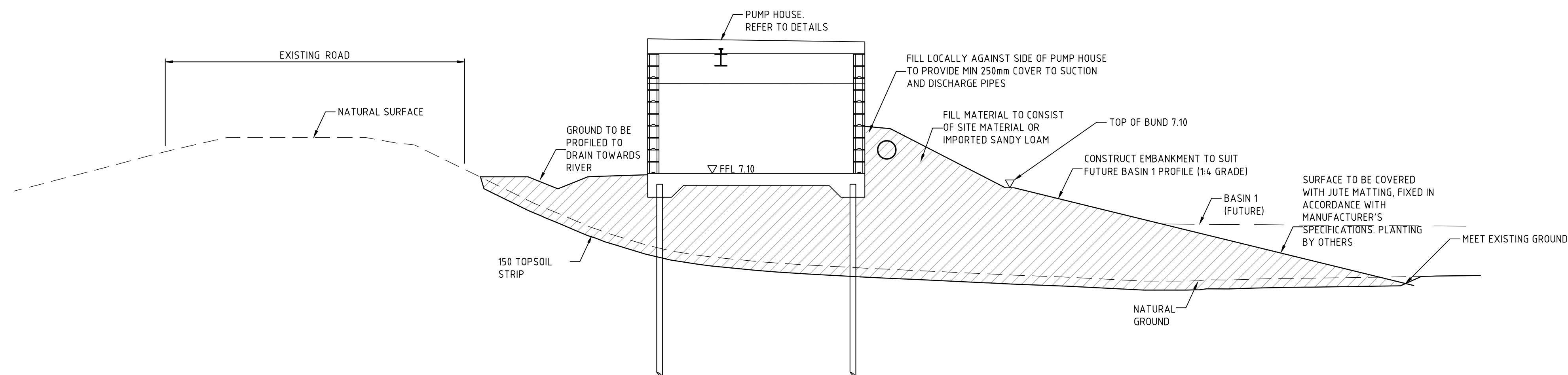
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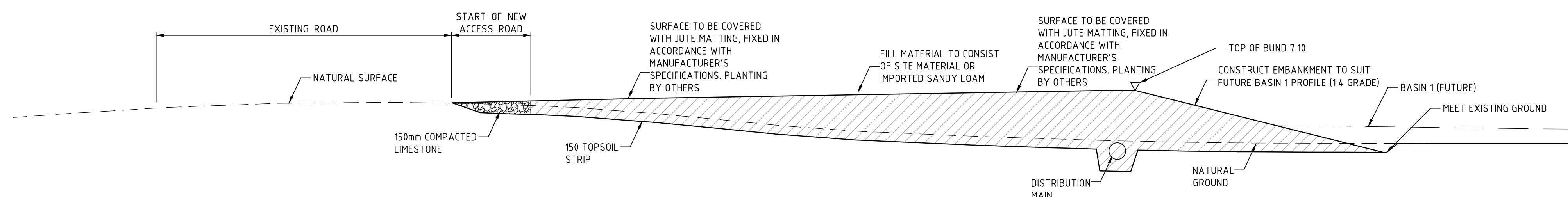
PLAN - PUMP HOUSE & RISING MAIN IN-TAKE LOCATION

SCALE 1:200



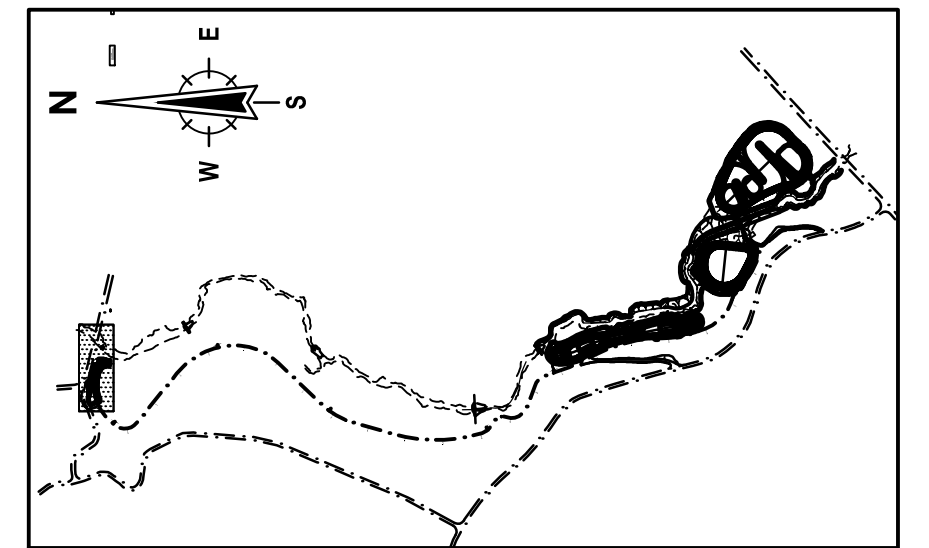
SECTION PHA

SCALE 1:50



SECTION PHB

SCALE 1:50



LOCATION PLAN

SCALE 1:10,000

LEGEND

- 5.0 EXISTING/ DESIGN CONTOUR
- EXISTING SIGNIFICANT VEGETATION
- 150mm THICK COMPACTED LIMESTONE ACCESS ROAD
- BULK FILL
- EXTENT OF BULK EARTHWORKS
- 280 OD HDPE WATER DISTRIBUTION MAIN
- 315 OD HDPE SUCTION HOSE

NOTE

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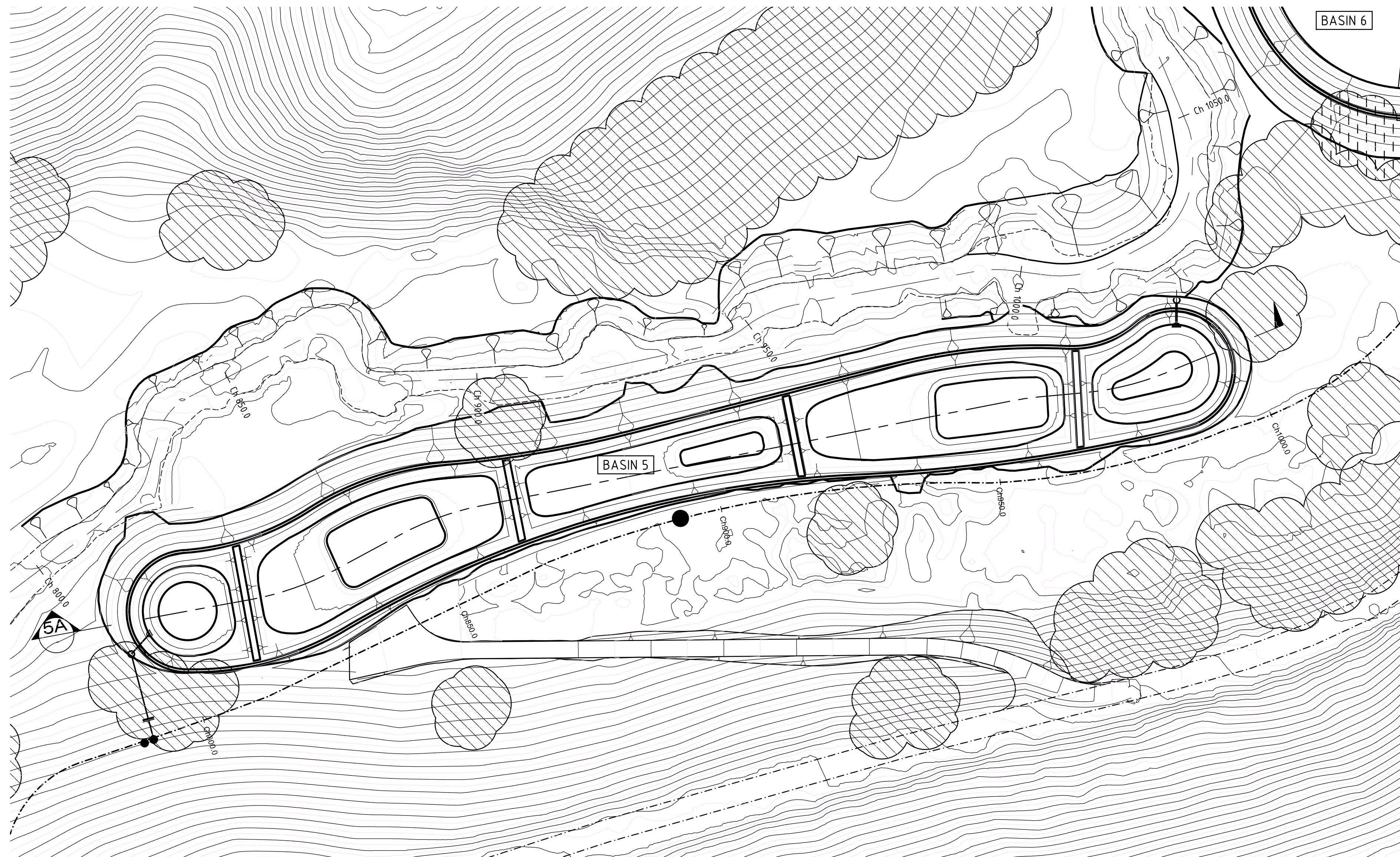
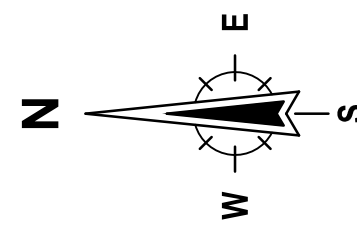
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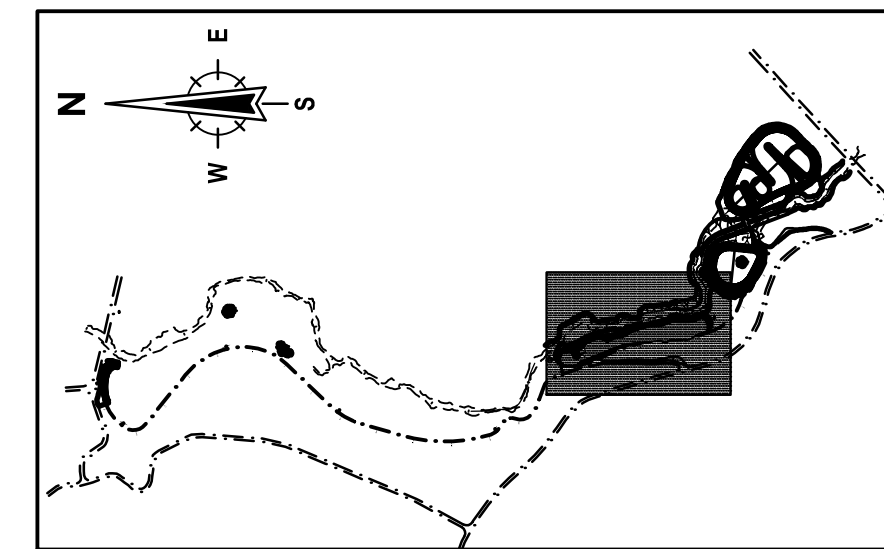
ELLEN BROOK WET LANDS
CONSTRUCTION OF NUTRIENT STRIPPING WETLANDS STG 1
SWAN RIVER TRUST
PUMP HOUSE AND INTAKE LOCATION PLAN

DRAWN	DCM	DESIGNED	FC	REDUCTION
CHECKED	FC	PRINCIPAL		0 2 4 6 8
APPROVED				SCALE 1:200
SCALE	1:200	DATE	SEPTEMBER 2012	DRAWING No.
DF PROJ No.	BMW 00449612	DF FILE No.	EBWC160A6	C160A 1

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PLAN - BASIN 5
SCALE 1:500



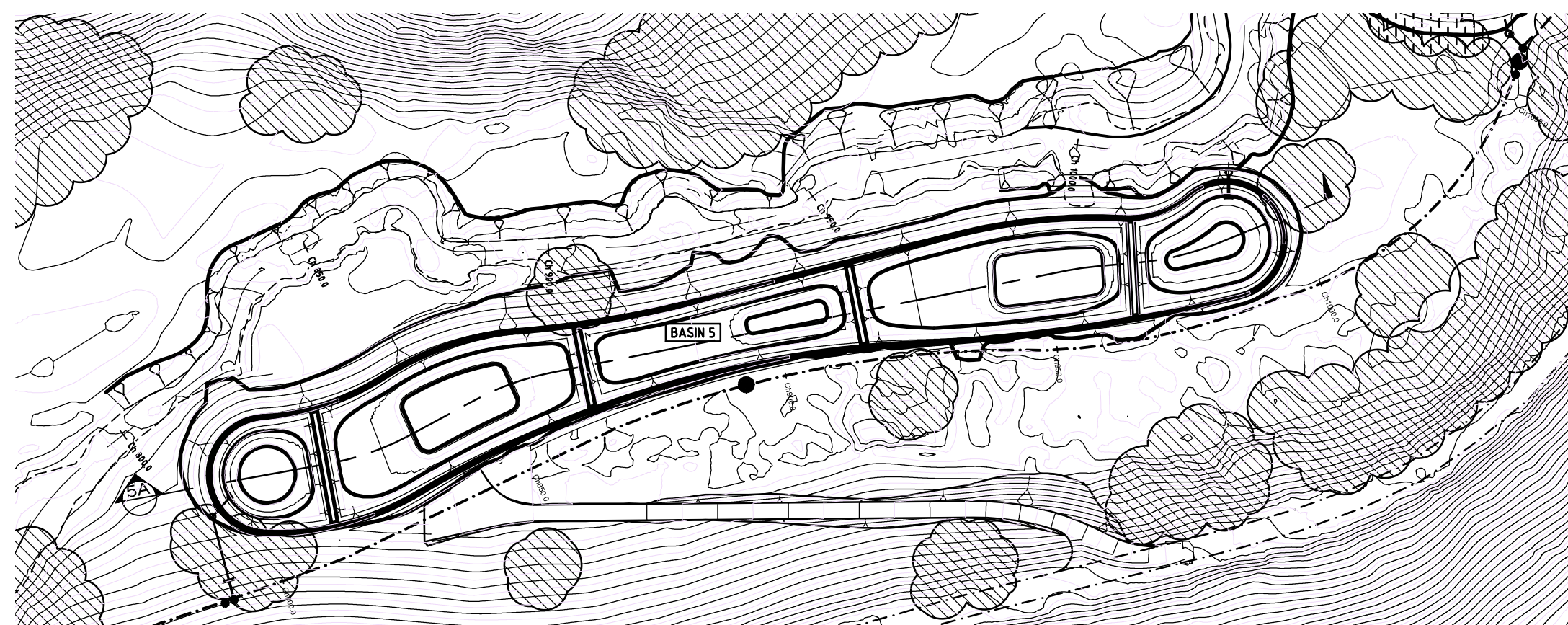
LOCATION PLAN
SCALE 1:10,000

LEGEND

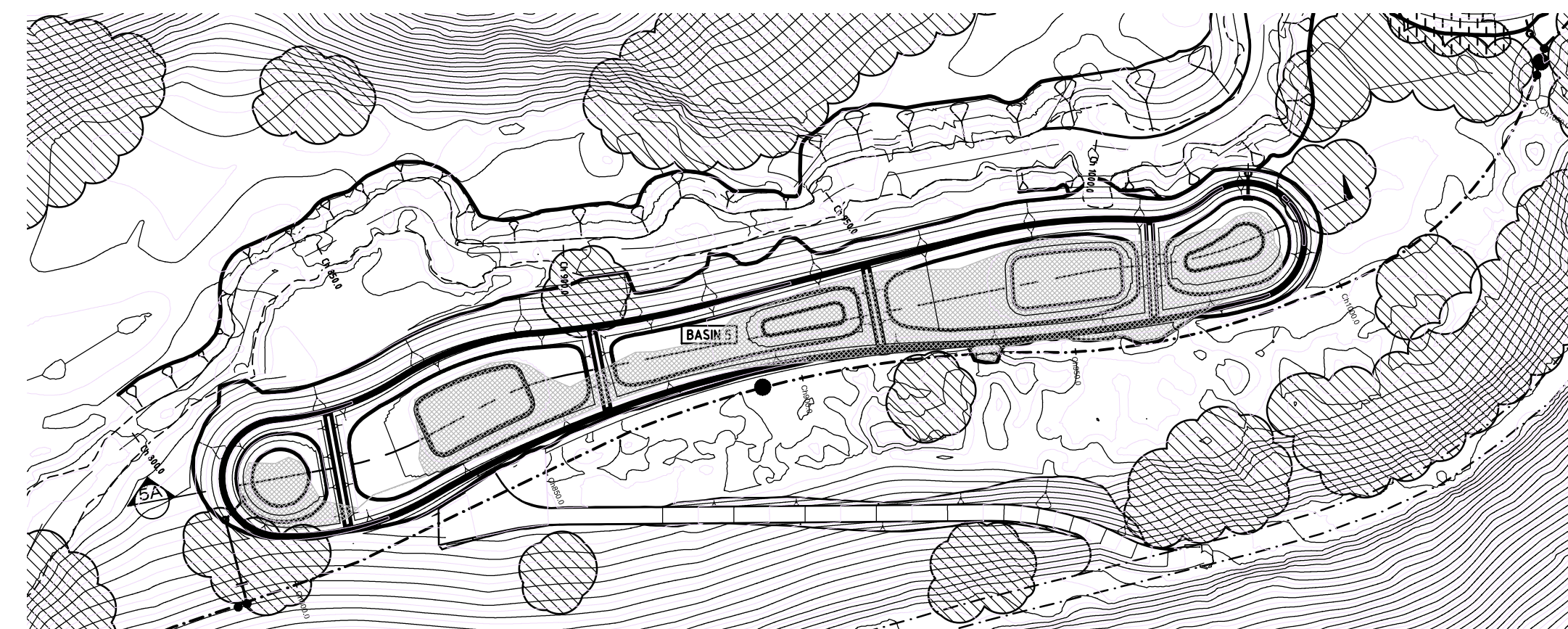
- 5.0 EXISTING/ DESIGN CONTOUR
- EXISTING SIGNIFICANT VEGETATION
- 200mm THICK COMPACTED LIMESTONE WITHIN DEEP ZONES
- POTENTIAL ZONE WHERE BASIN CONSTRUCTION FORMAT TYPE 1 REQUIRED (CUT WITHIN CLAY PASSM MAY OCCUR)
- POTENTIAL ZONE WHERE BASIN CONSTRUCTION FORMAT TYPE 2 REQUIRED (CUT WITHIN SANDY LOAM PASSM MAY OCCUR)
- CUT AREAS BELOW THE 150mm STRIP

NOTE
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PLAN - BASIN 5 POTENTIAL TYPE 1 & 2
CONSTRUCTION AREAS
SCALE 1:1000



PLAN - BASIN 5 CUT AREAS
SCALE 1:1000

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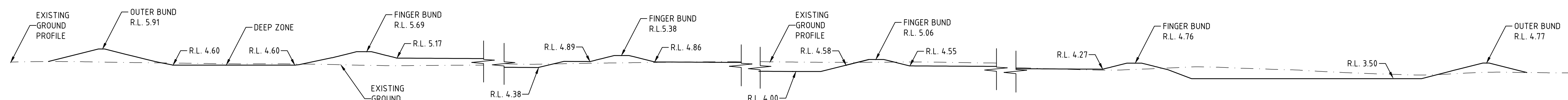
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ELLEN BROOK WET LANDS
CONSTRUCTION OF NUTRIENT STRIPPING WETLANDS STG 1
SWAN RIVER TRUST
BASIN 5 LAYOUT PLAN

DRAWN	DCM	DESIGNED	FC	REDUCTION	0 5 10 15 20
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DF PROJ No.	BMW 00449612	DF FILE No.	EBW/C251A7	C251A	1

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SECTION 5A
SCALE 1:200

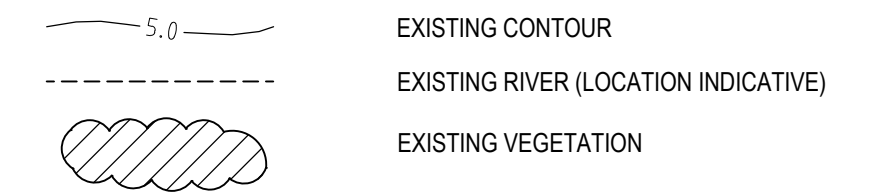


The diagram illustrates the vertical construction of a lined drainage system. On the left, vertical dimensions are indicated: 100, 500, 100, 500, 100, 50, and 270. On the right, the following components are labeled from top to bottom:

- TOP OF BUND BEYOND (5.50m - 5.10m)
- MAX WATER LEVEL
- FREEBOARD BETWEEN TOP WATER LEVEL AND TOP OF BUND
- WATER DEPTH VARIES 100mm - 500mm
- WASHED COARSE AGGREGATE CONTAINING 50mm ϕ PERFORATED UPVC INLET DISTRIBUTION PIPE NETWORK (BY OTHERS - REFER TO PLAN FOR INFORMATION ONLY)
- NUA FILTER MEDIA SAND BELND (SUPPLIED AND INSTALLED BY OTHERS)
- COARSE SAND TRANSITION LAYER
- 2mm - 5mm WASHED AGGREGATE BRIDGING LAYER
- 10mm - 20mm WASHED COARSE AGGREGATE (BLUE METAL)
- GEOSYNTHETIC CLAY LINER (ELCOSEAL X1000 OR SIMILAR APPROVED)
- MEGAFLOW 150 (OR SIMILAR APPROVED) PERFORATED COLLECTION DRAINAGE SYSTEM
- EXCAVATED/INFILLED GROUND (RL 3.55-3.95)
- ESTIMATED LEVEL OF PASSM CLAY MATERIAL (2.50m AHD). TO BE CONFIRMED BY CONTRACTOR ON SITE

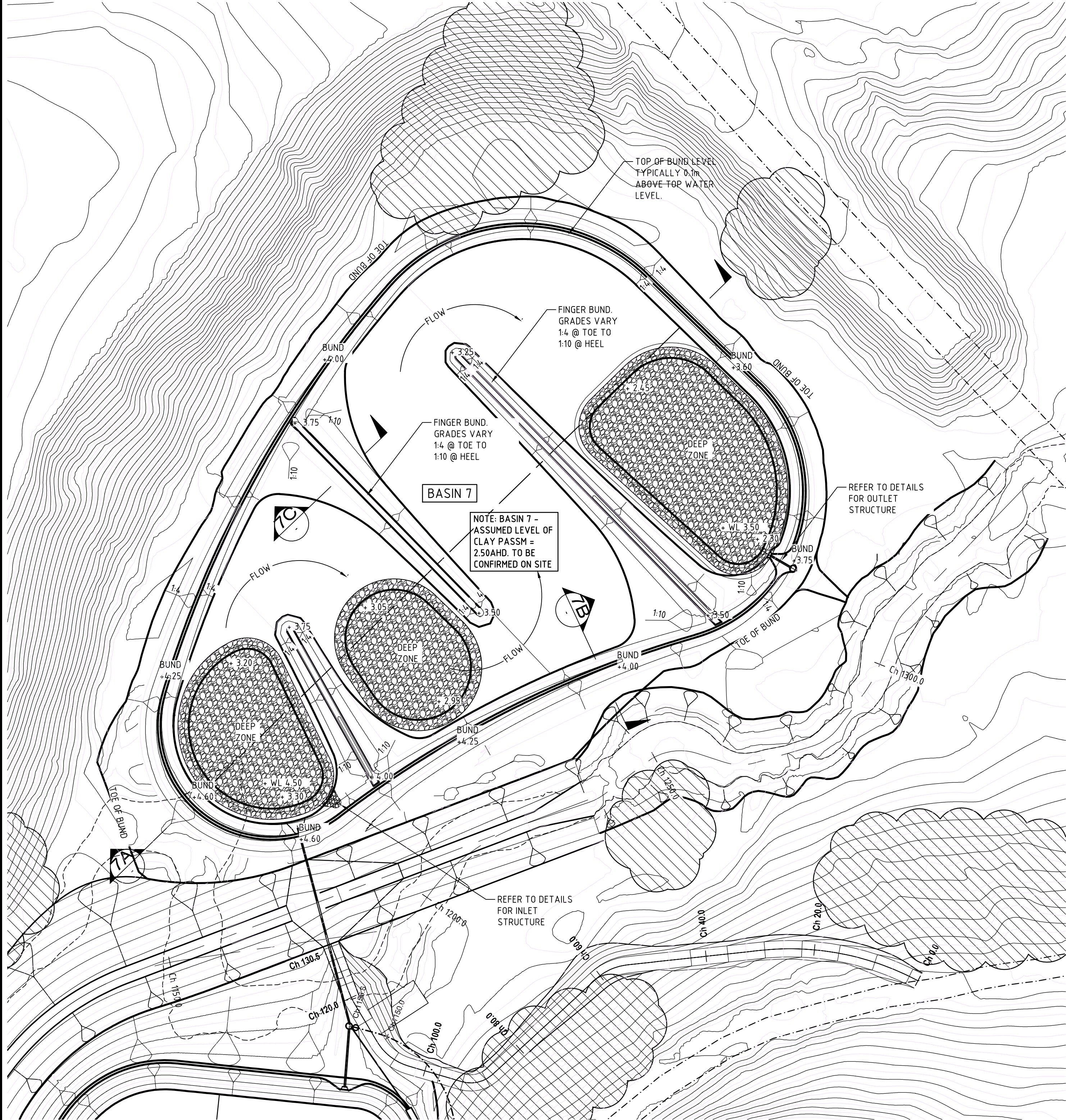
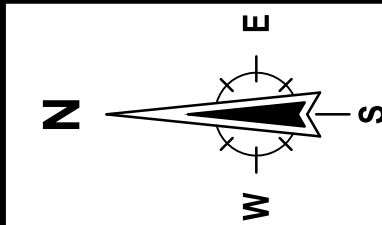
NOTE
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SCALING OF DRAWINGS WILL BE ALLOWED.

NOTE
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ALL RELEVANT CONSULTANTS DRAWINGS.

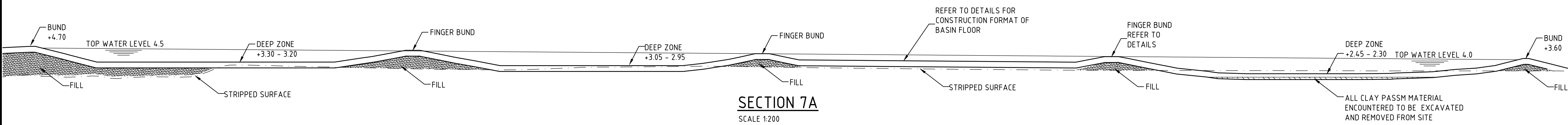


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SCALE		DATE		DRAWING	
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DF PROJ No.		OF FILE No.		C261A 1	
BMW 00449612		EBWC261A7			

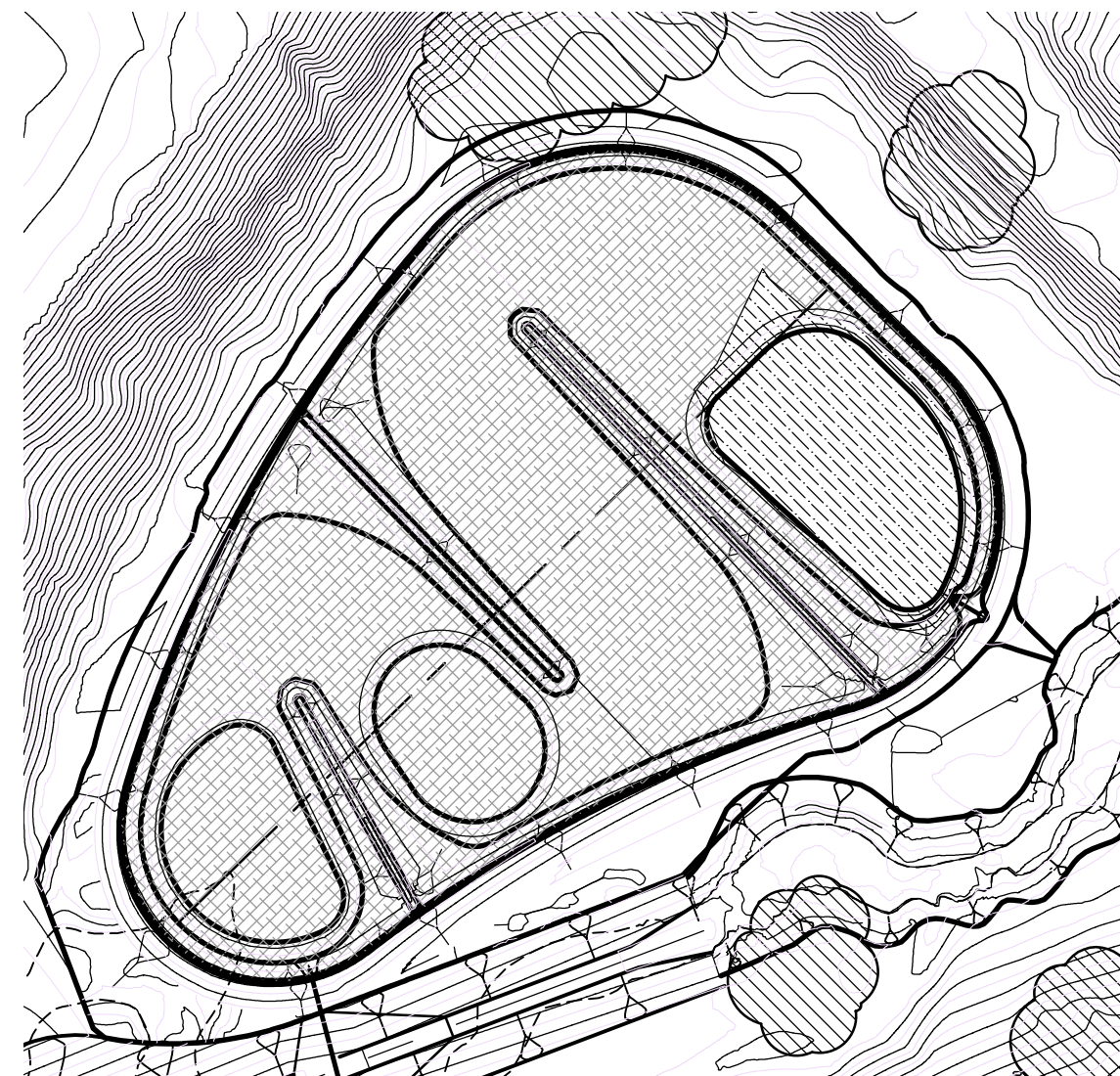
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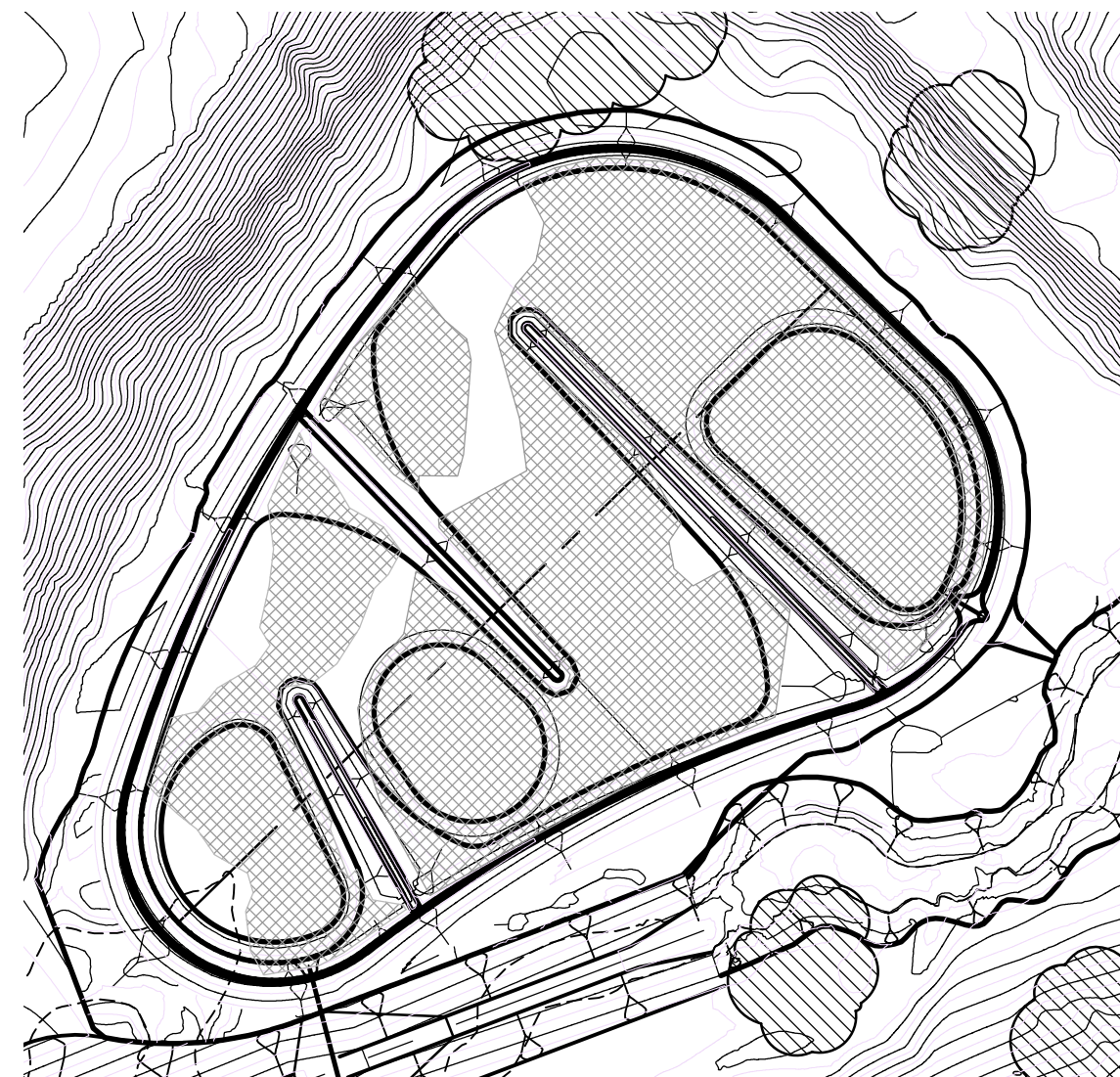
PLAN - BASIN 7
SCALE 1:500



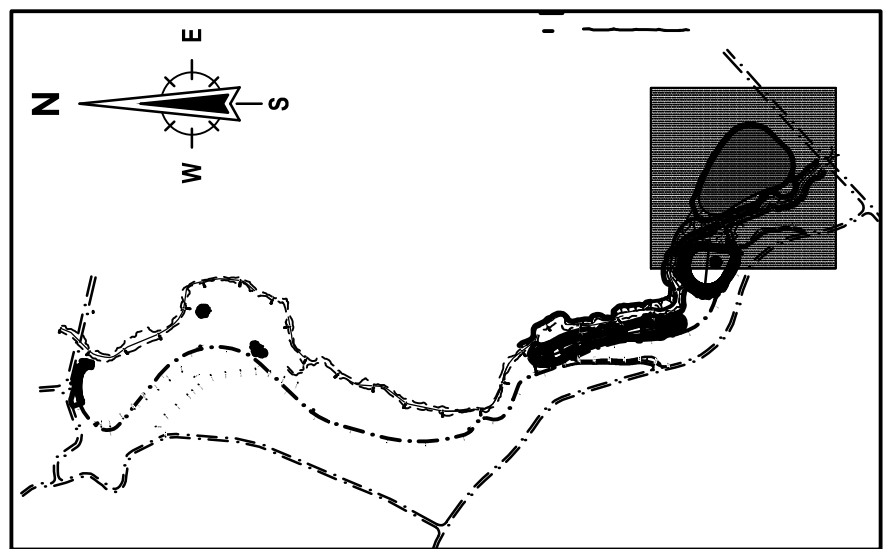
SECTION 7A
SCALE 1:200



PLAN - BASIN 7 POTENTIAL TYPE 1 & 2
CONSTRUCTION AREAS
SCALE 1:1000



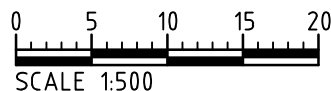
PLAN - BASIN 7 CUT AREAS
SCALE 1:1000



LOCATION PLAN
SCALE 1:10,000

LEGEND

- 5.0 EXISTING/ DESIGN CONTOUR
- EXISTING SIGNIFICANT VEGETATION
- 200mm THICK COMPACTED LIMESTONE WITHIN DEEP ZONES
- POTENTIAL ZONE WHERE BASIN CONSTRUCTION FORMAT TYPE 1 REQUIRED (CUT WITHIN CLAY PASSM MAY OCCUR)
- POTENTIAL ZONE WHERE BASIN CONSTRUCTION FORMAT TYPE 2 REQUIRED (CUT WITHIN SANDY LOAM PASSM MAY OCCUR)
- CUT AREAS BELOW THE 150mm STRIP



NOTE
FIGURED DIMENSIONS ARE TO BE TAKEN AND NO SCALING OF DRAWINGS WILL BE ALLOWED.

NOTE
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No.	DATE	AMENDMENT	ISSUED BY
0	22/10/12	RE-ISSUED FOR TENDER	DM
1	07/11/12	TENDER ADDENDUM	FC

TENDER ISSUE
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Department of Finance
Building Management and Works

ELLEN BROOK WET LANDS
CONSTRUCTION OF NUTRIENT STRIPPING WETLANDS STG 1
SWAN RIVER TRUST
BASIN 7 LAYOUT PLAN

DRAWN	DCM	DESIGNED	FC	REDUCTION	0 10 20 30 40
CHECKED	FC	PRINCIPAL		SCALE 1:1000	
APPROVED					
SCALE	1:1000	DATE	SEPTEMBER 2012	DRAWING	No.
DF PROJ No.	BMW 00449612	DF FILE No.	EBW/C271A8	C271A	1

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