

Koondrook-Perricoota Forest Flood Enhancement Works

Appendix H Concept drawings for the main structures



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1100

1200

1300

TORRUMBARRY WEIR
OFFTAKE
REGULATOR
AND FISHWAY

SWAN LAGOON
REGULATOR
UPSTREAM

SWAN LAGOON
REGULATOR
DOWNSTREAM

MURRAY
RIVER

LANDING
ROAD

ROAD

RIVER

LOCK
ROAD

RIVER

RIVER ROAD
BRIDGE

ROAD

EXISTING
GULLY
EXCAVATED
CHANNEL

BULLOCK HEAD
CK

BLACK BOX ROAD

RIVER
ROAD

FREEMANS ROAD

MGA NORTH

1:10000 0 200 400m
200 100

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GRAEME HEAD - Director General
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NSW WATER SOLUTIONS
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G. SAMIOS	



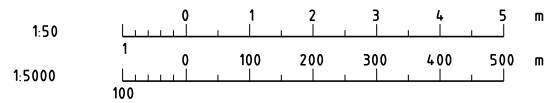
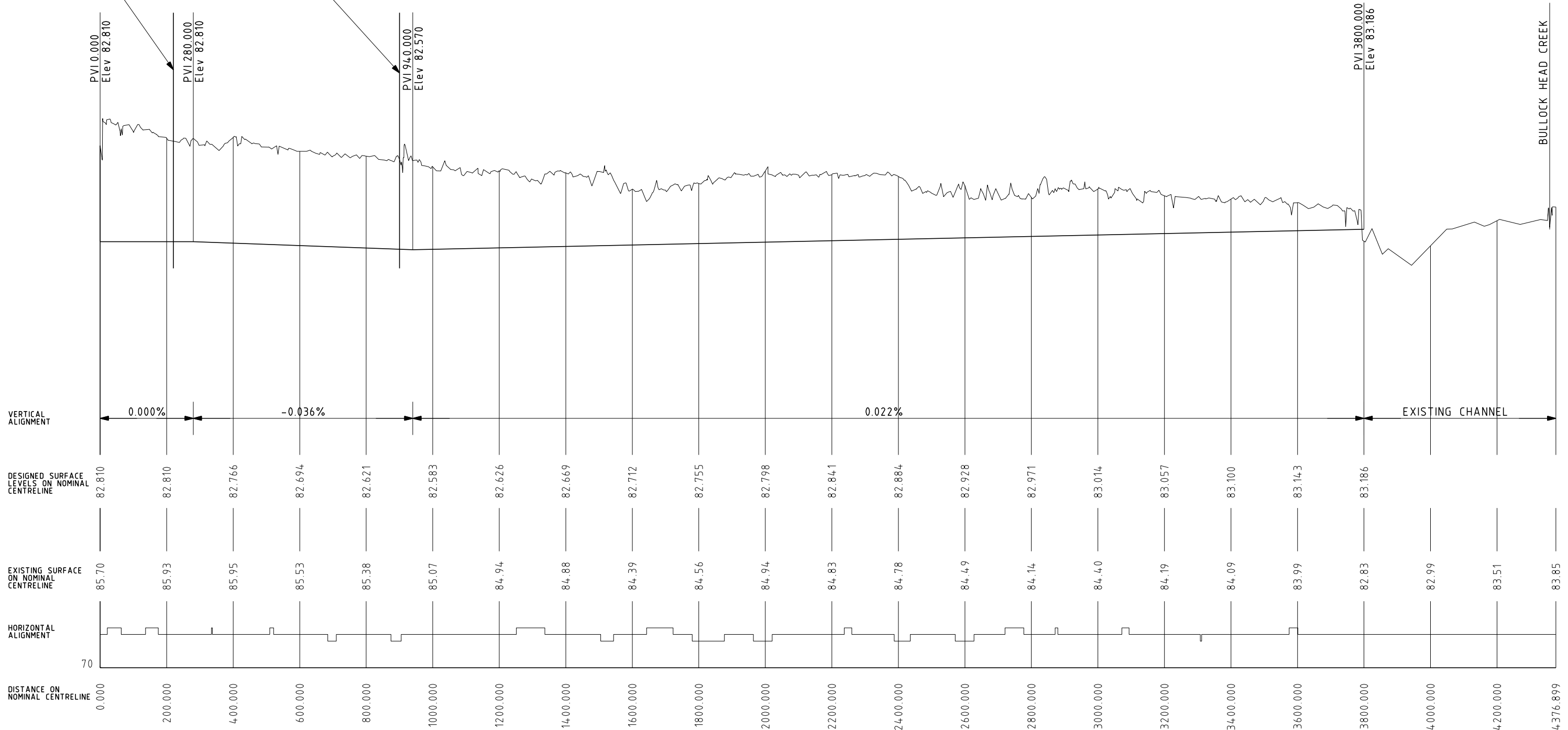
KOONDROOK - PERRICOOTA
FLOOD ENHANCEMENT
UPSTREAM STRUCTURES
SITE PLAN

NO IN SET
FILE NO. DCF 6815
DRAWING NO. 4078 - 41
REVISION 0

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OFFTAKE REGULATOR

RIVER ROAD BRIDGE



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**KOONDROOK - PERRICOOTA
FLOOD ENHANCEMENT**

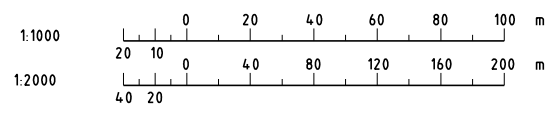
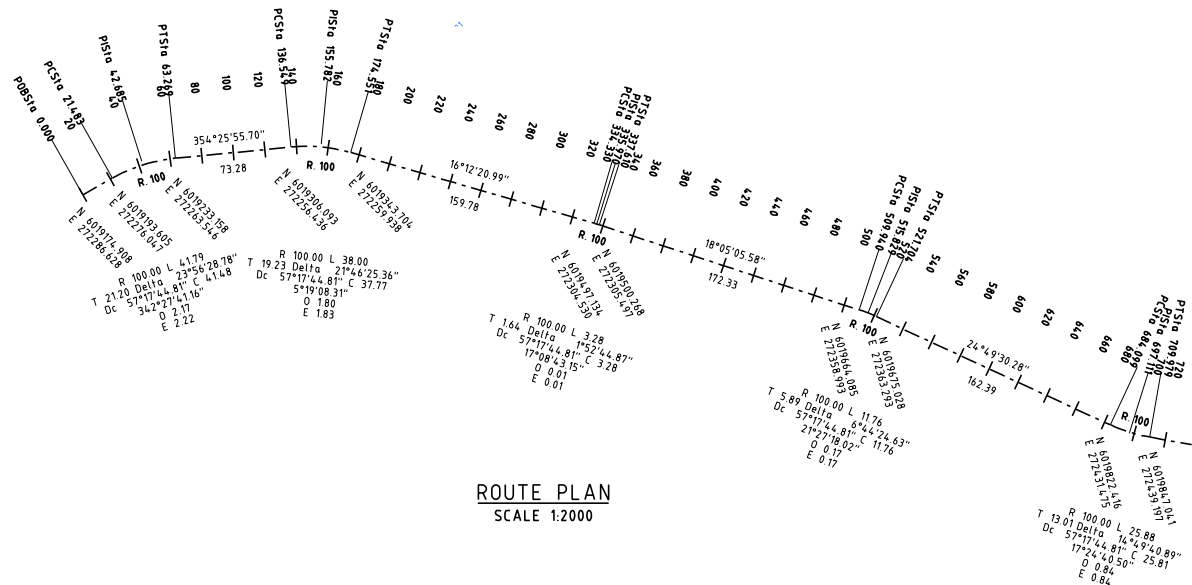
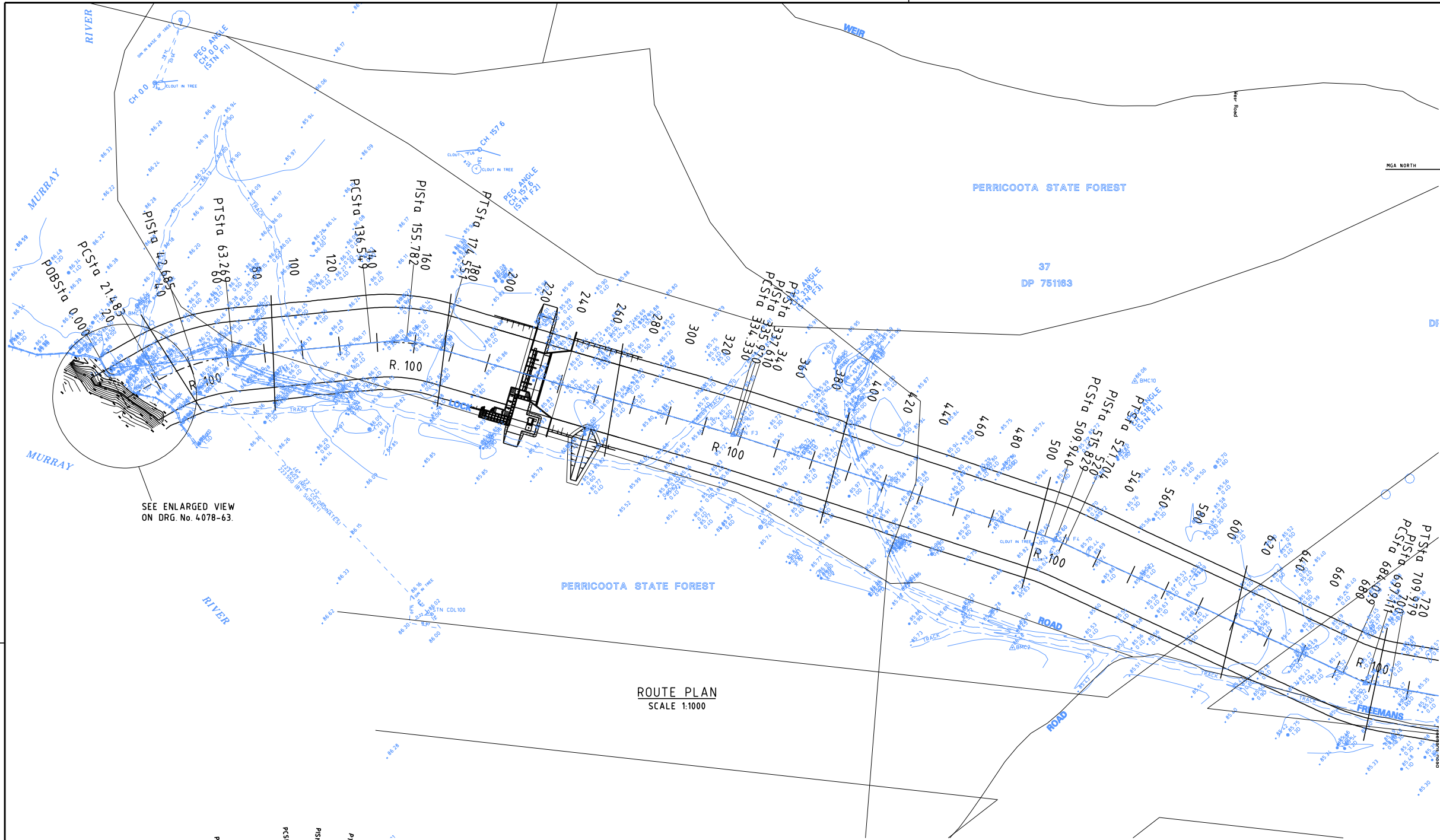
**UPSTREAM CHANNEL
LONGITUDINAL SECTION
CH. 0.0 TO CH. 4376.9**

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FILE NO.
DCF 6815

DRAWING NO.
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MK			

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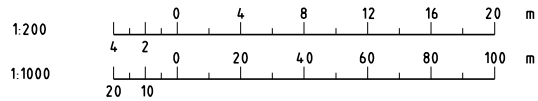
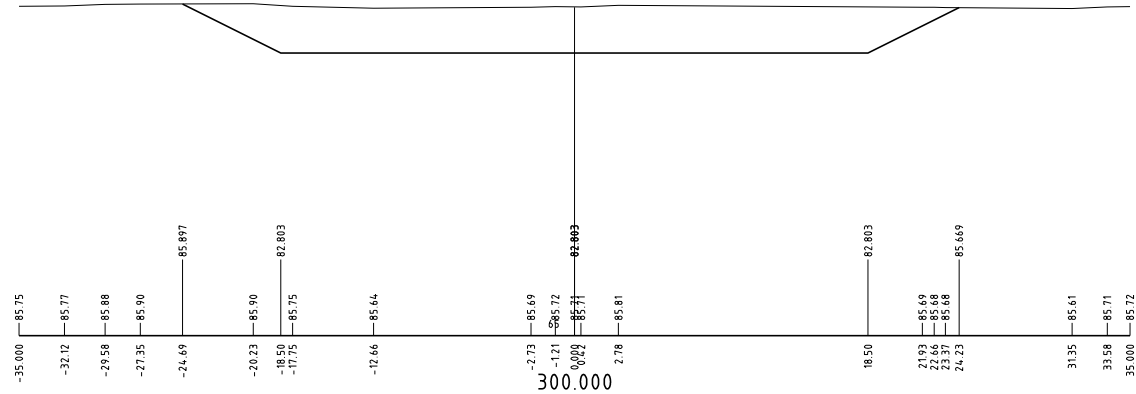
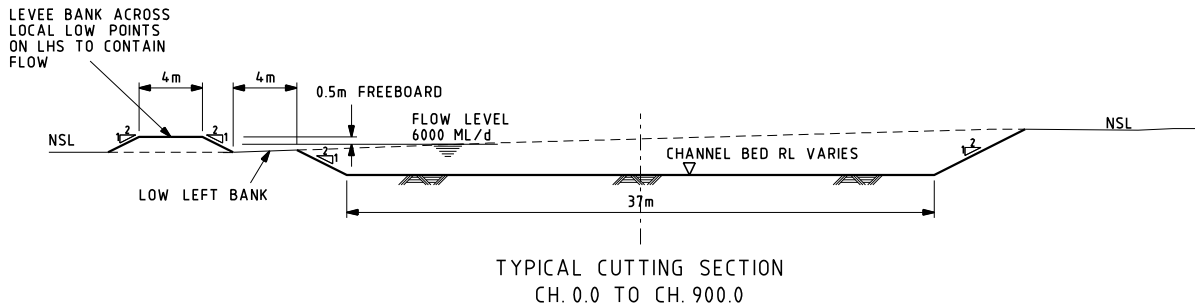
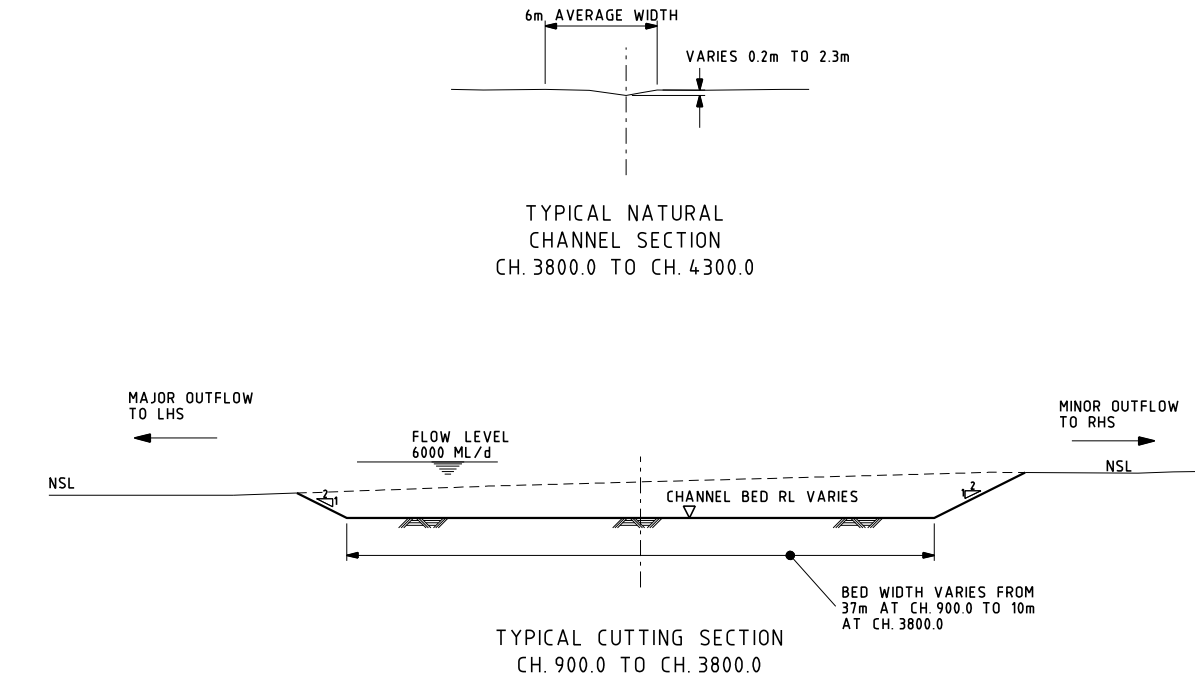
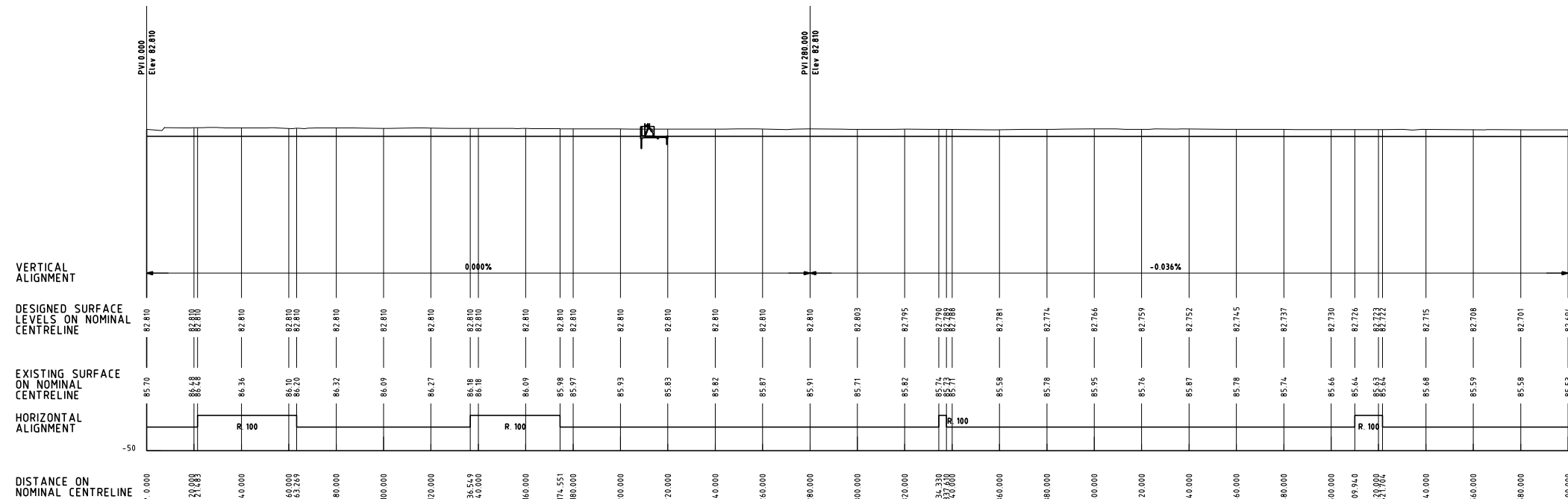
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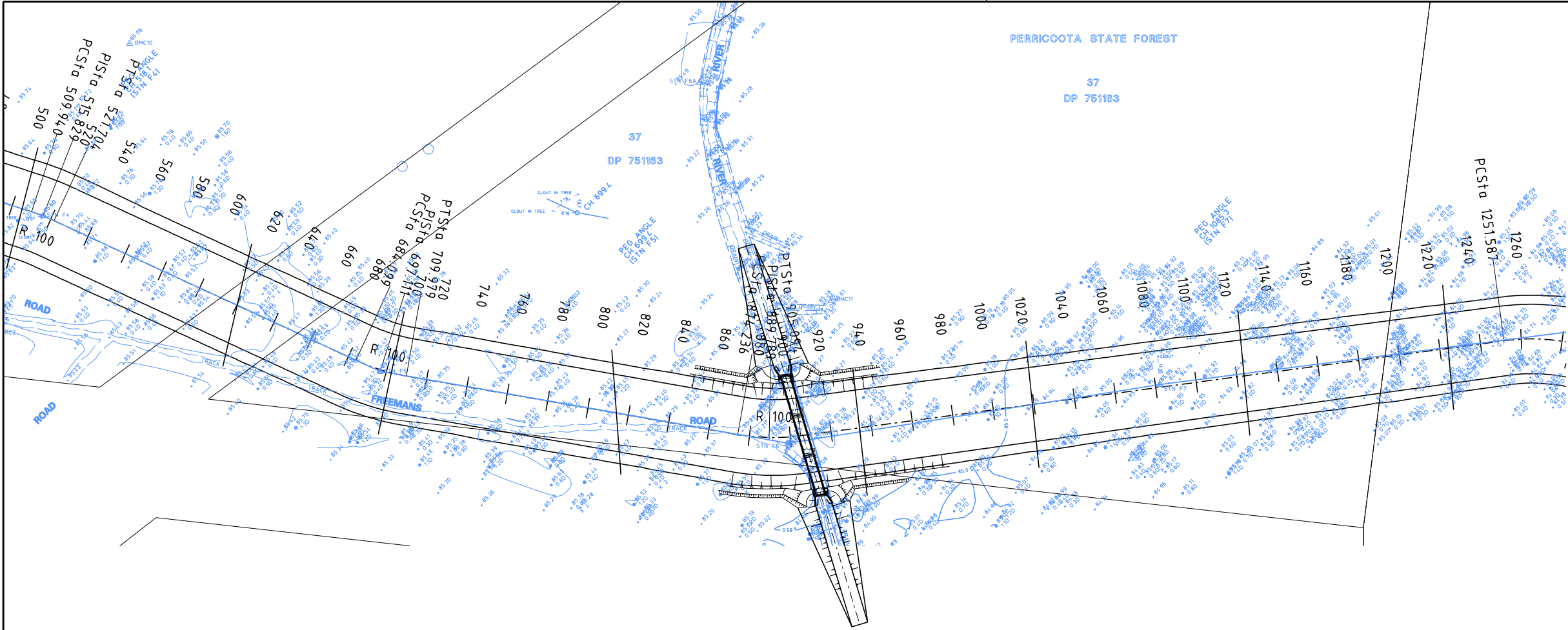


**KOONDROOK - PERRICOTA
FLOOD ENHANCEMENT**
**UPSTREAM CHANNEL
ROUTE PLAN
CH. 0.0 TO 600.0**

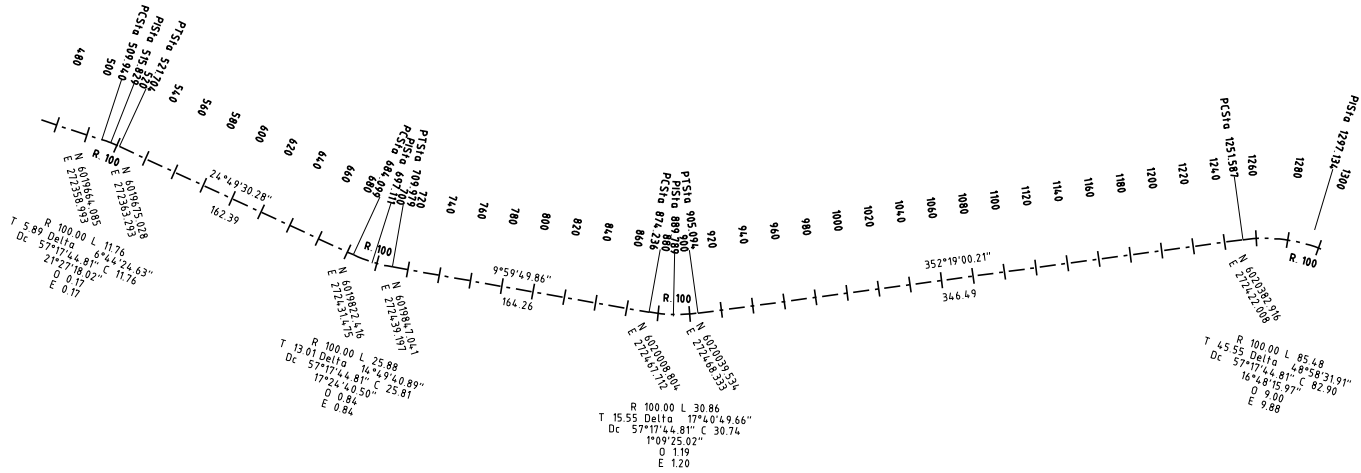
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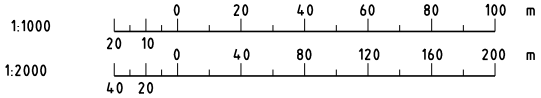
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				CHECKED G. SAMIOS						REVISION 0



ROUTE PLAN
SCALE 1:1000



SETTING OUT DIAGRAM
SCALE 1:2000



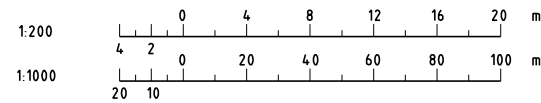
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G. SAMIOS	



KOONDROOK - PERRICOOTA FLOOD ENHANCEMENT	
UPSTREAM CHANNEL ROUTE PLAN CH. 600.0 TO CH. 1200.0	
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	DRAWING NO. 4078 - 53
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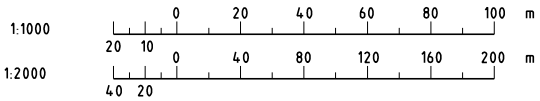
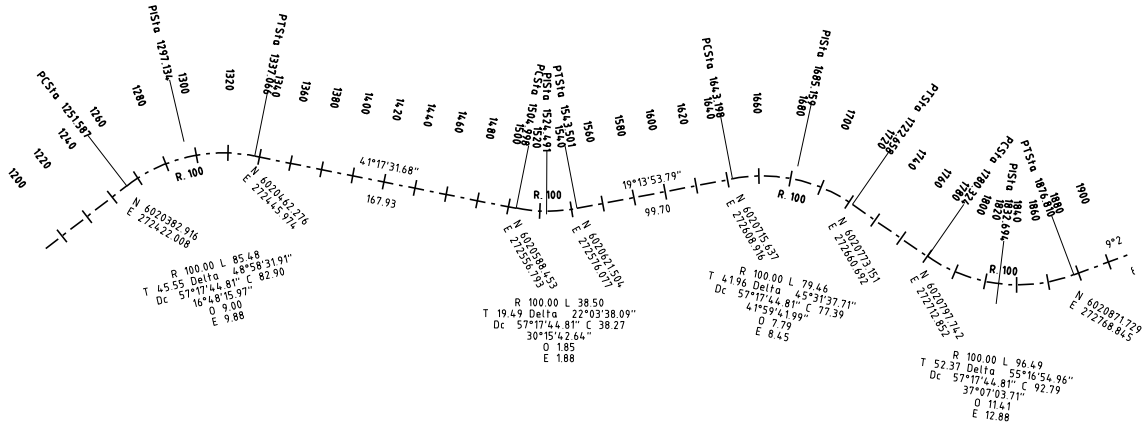
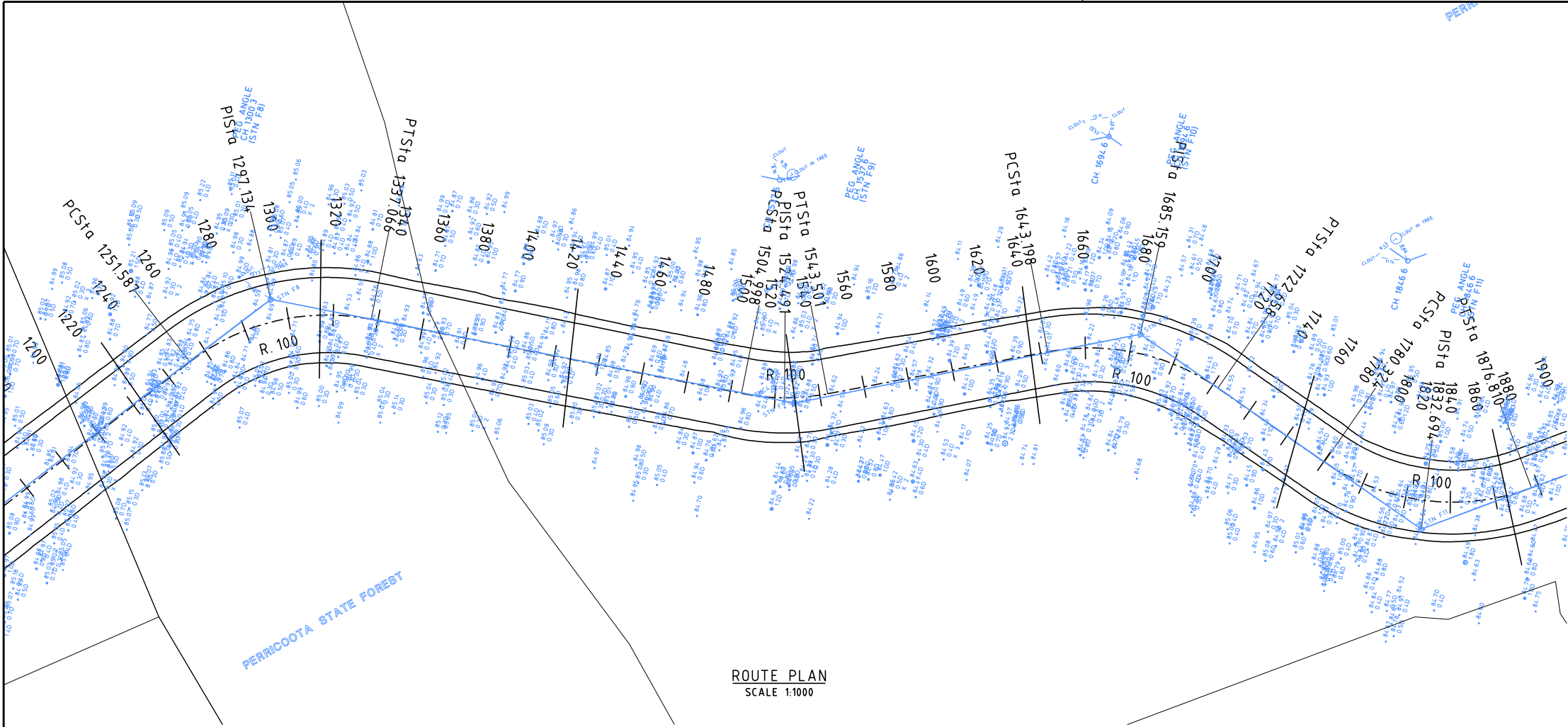
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**KOONDROOK - PERRICOOTA
FLOOD ENHANCEMENT**

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DRAWING NO. 4078 - 54
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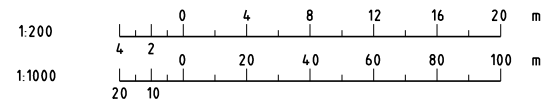
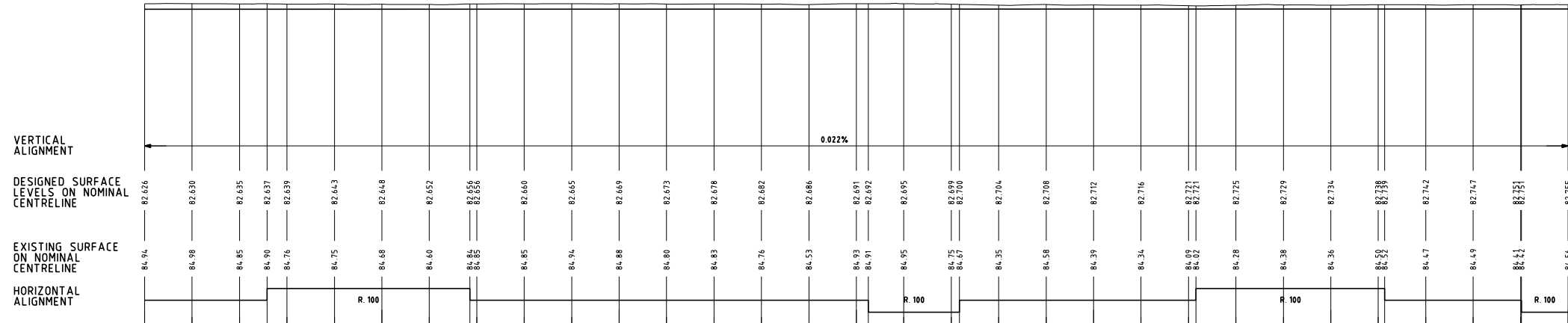
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G. SAMIOS	



**KOONDROOK - PERRICOTA
FLOOD ENHANCEMENT**
UPSTREAM CHANNEL
ROUTE PLAN
CH. 1200.0 TO CH. 1800.0

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DRAWING NO.	4078 - 55
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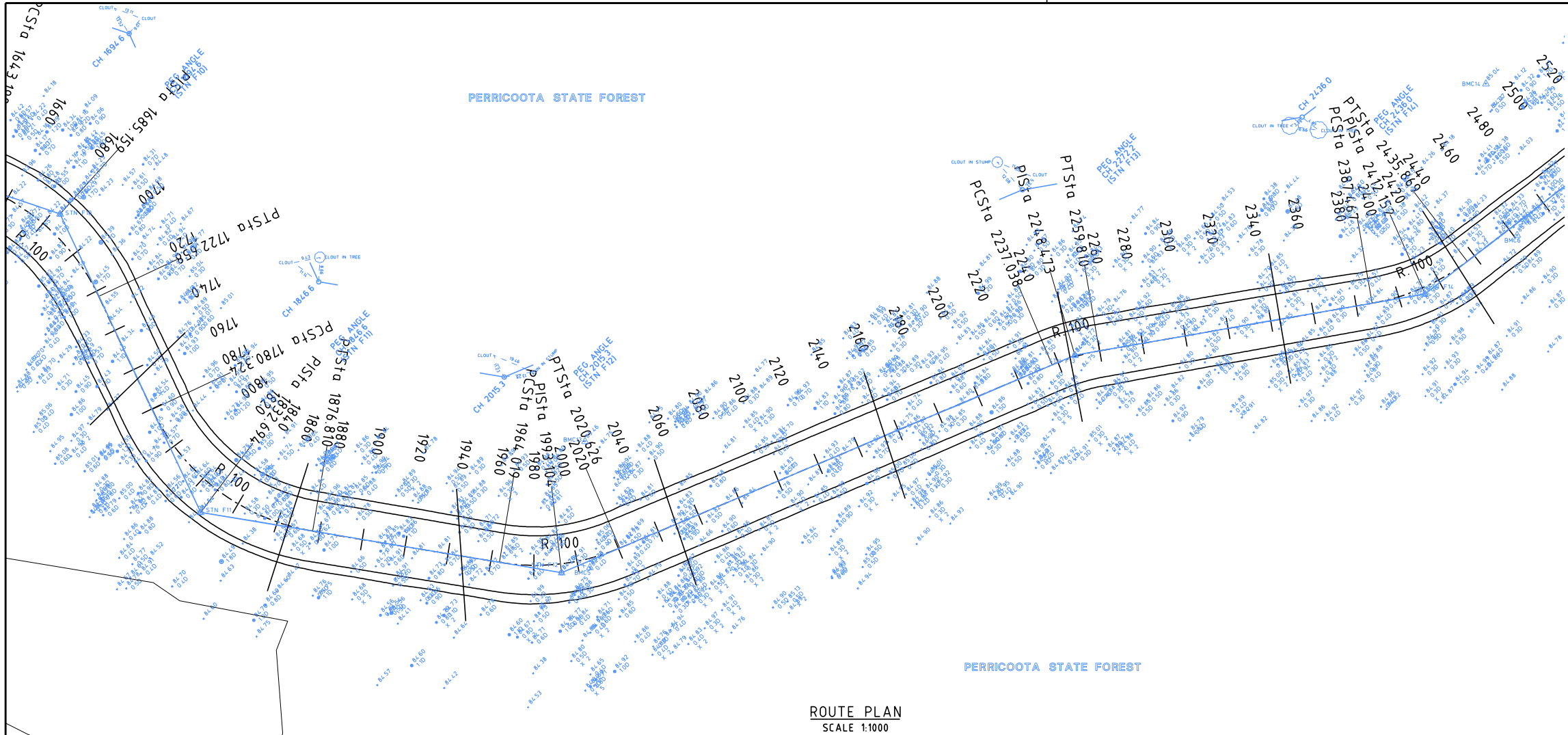
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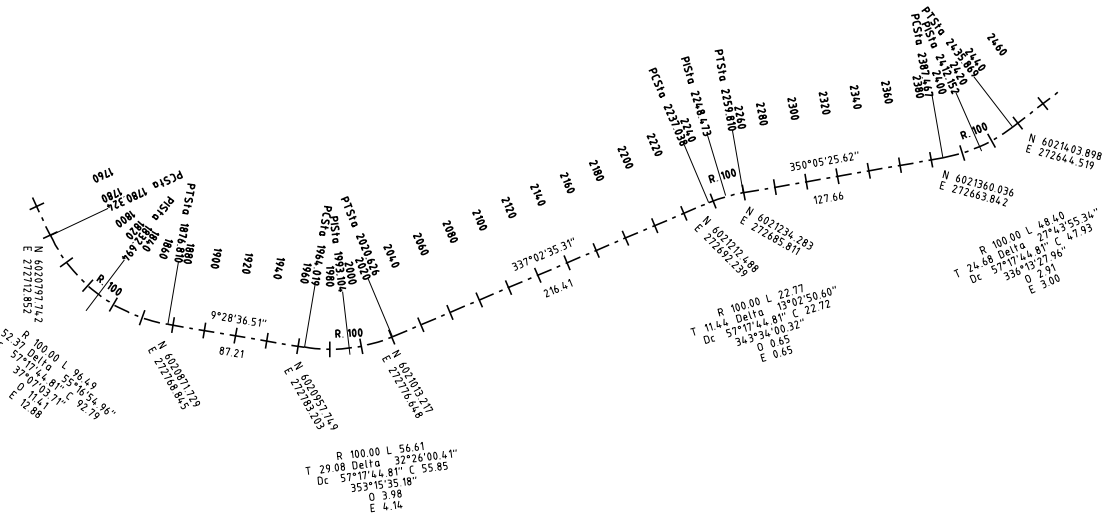
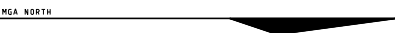
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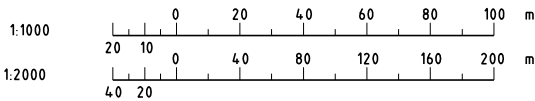
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ROUTE PLAN
SCALE 1:1000



SETTING OUT DIAGRAM
SCALE 1:2000



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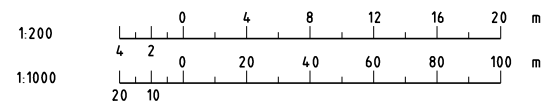
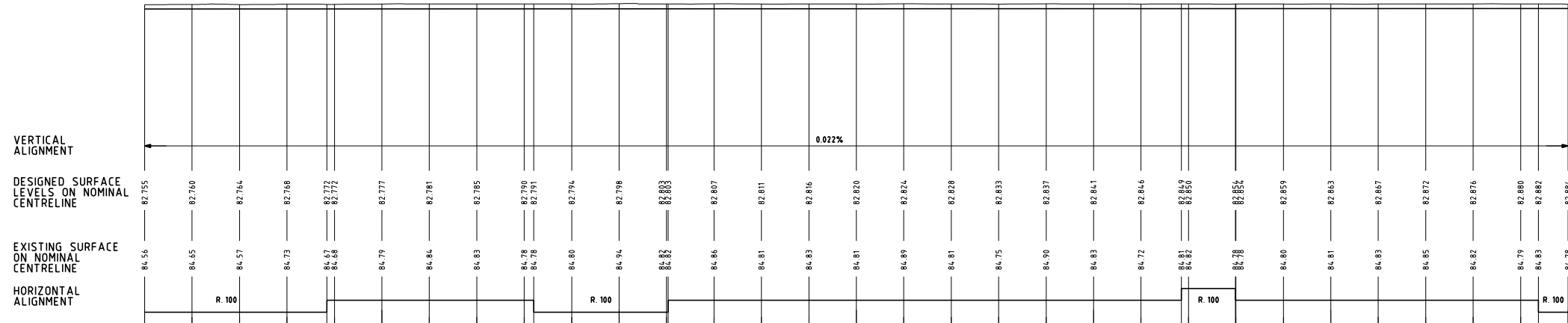
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D.T.	J.R. LENEHAN
CHECKED	
G. SAMIOS	



**KOONDROOK - PERRICOOTA
FLOOD ENHANCEMENT**
**UPSTREAM CHANNEL
ROUTE PLAN**
CH. 1800.0 TO CH. 2400.0

NO IN SET
FILE NO. DCF 6815
DRAWING NO. 4078 - 57
REVISION 0

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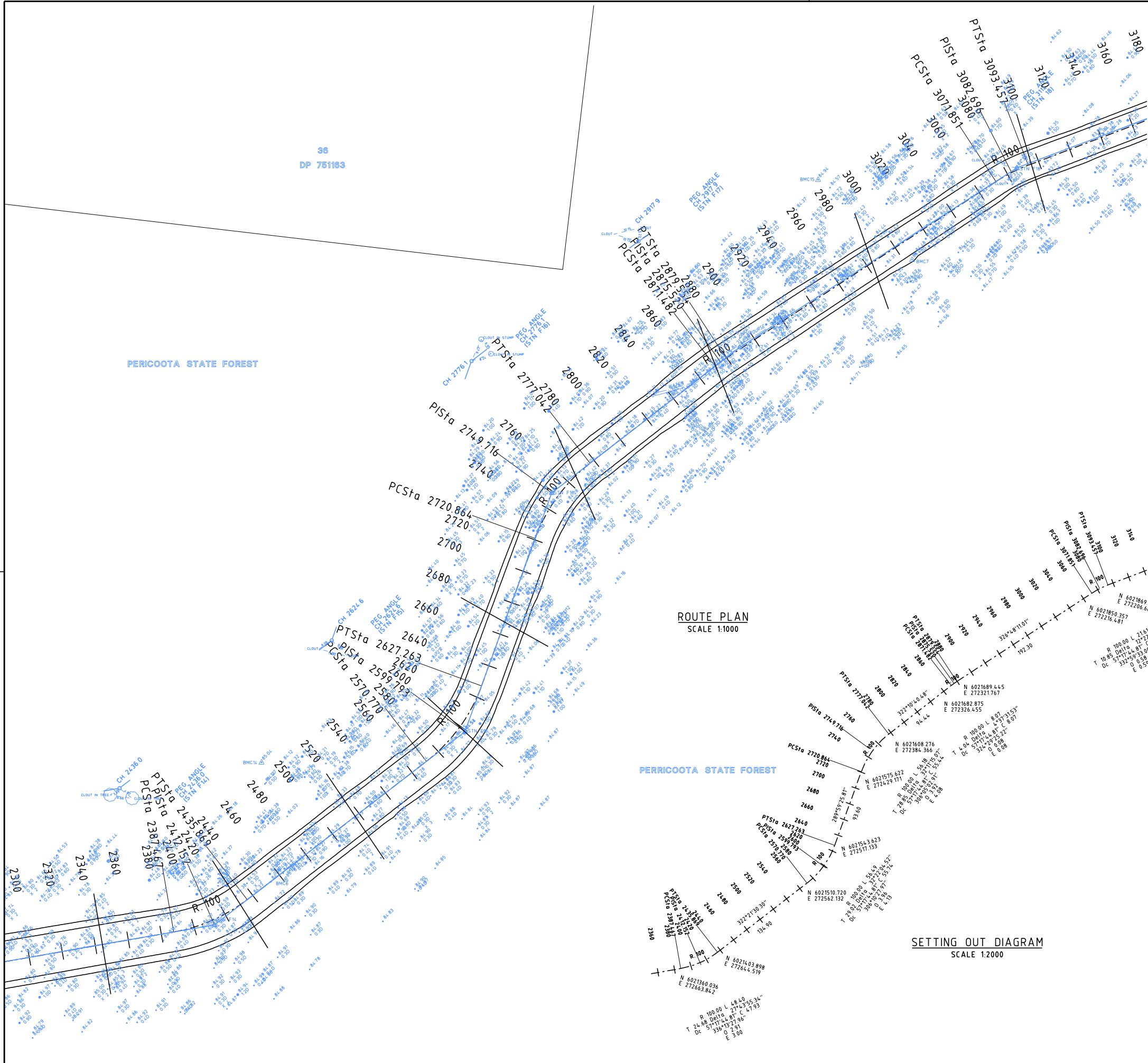
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G. SAMIOS	



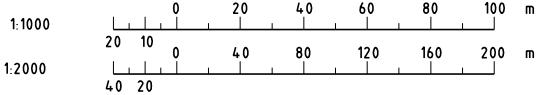
**KOONDROOK - PERRICOOTA
FLOOD ENHANCEMENT**

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ROUTE PLAN
SCALE 1:1000

SETTING OUT DIAGRAM
SCALE 1:2000



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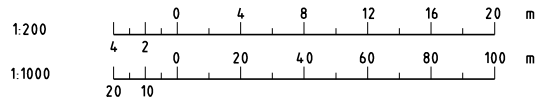
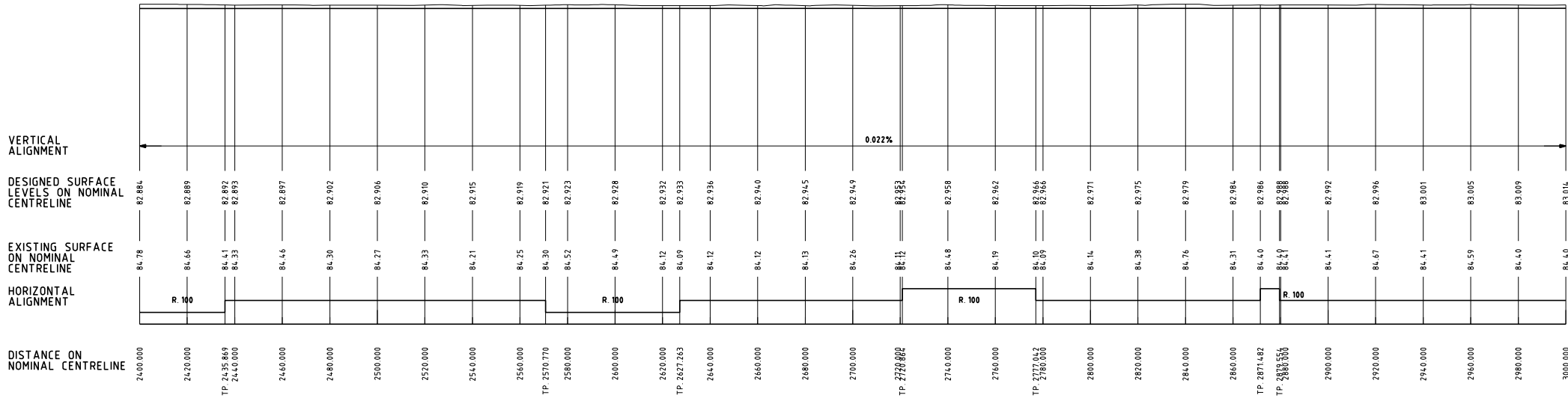
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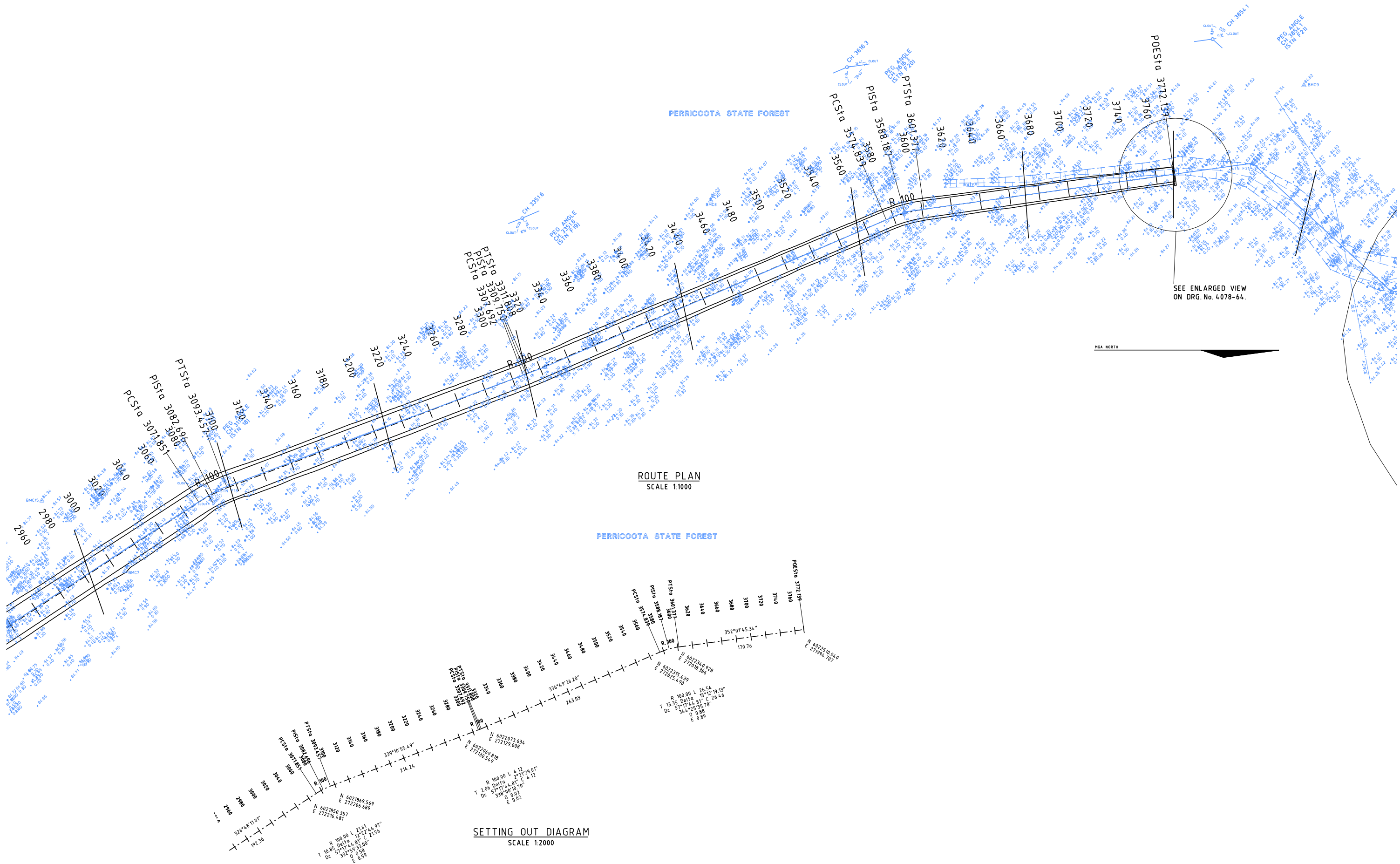
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	J.R. LENEHAN
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G. SAMIOS	



**KOONDROOK - PERRICOOTA
FLOOD ENHANCEMENT**
UPSTREAM CHANNEL
ROUTE PLAN
CH. 2400.0 TO CH. 3000.0

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REVISION 0





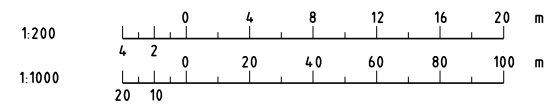
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G. SAMIOS	



KOONDROOK - PERRICOOTA FLOOD ENHANCEMENT	
UPSTREAM CHANNEL ROUTE PLAN CH. 3000.0 TO CH. 3772.139	
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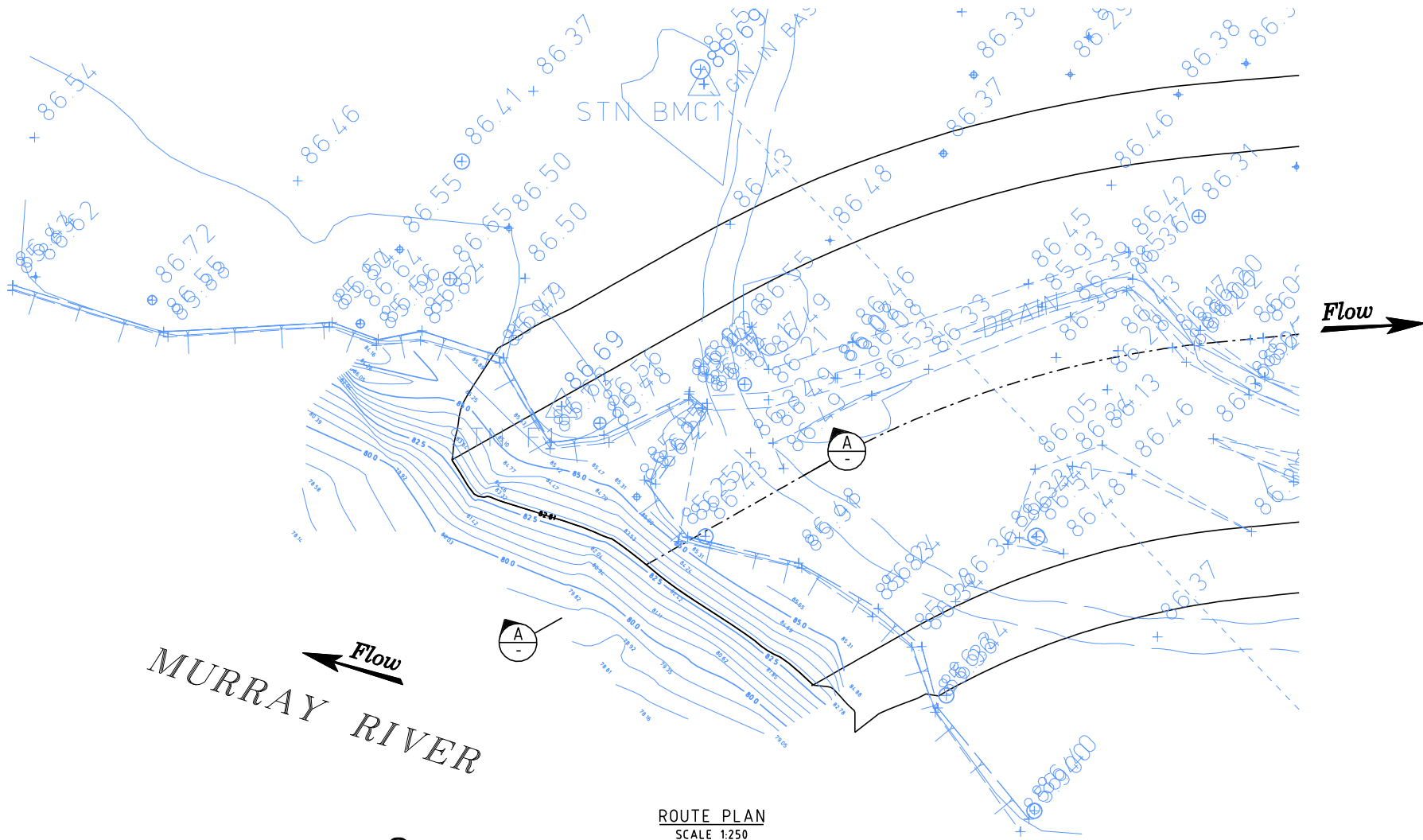
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D.T.	J.R. LENEHAN
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G. SAMIOS	



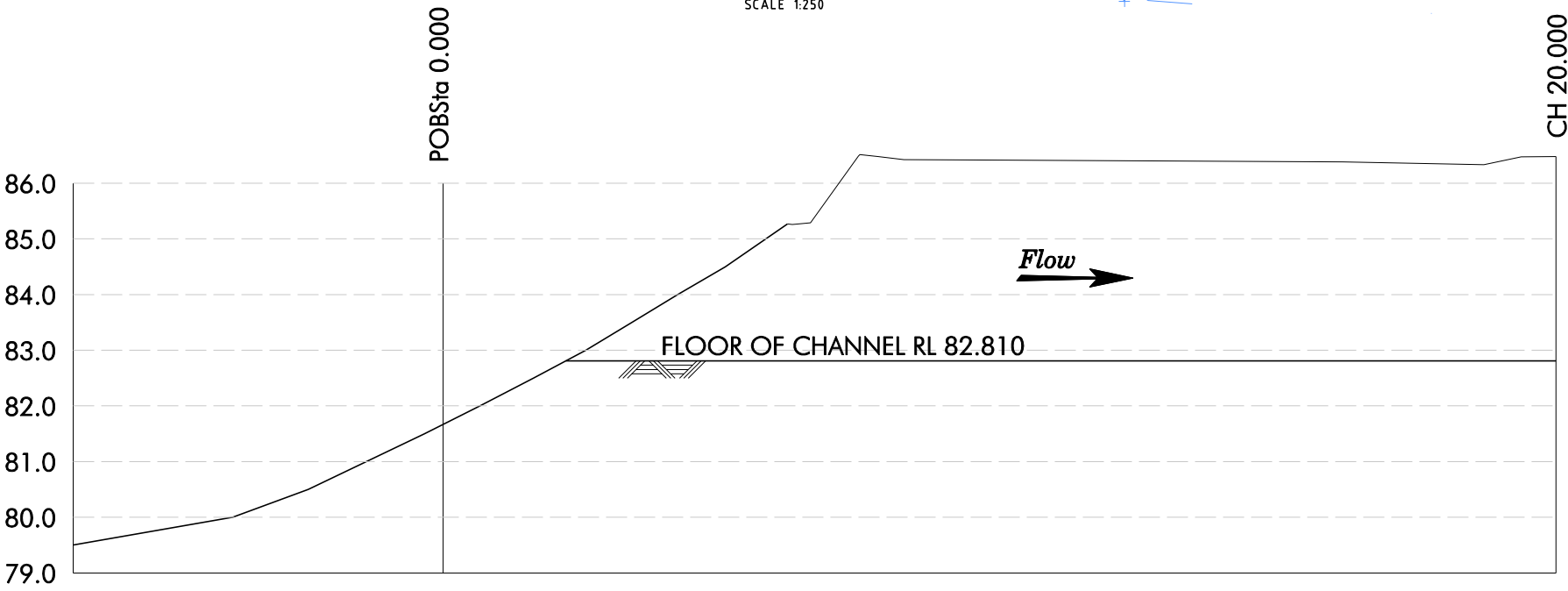
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FLOOD ENHANCEMENT**

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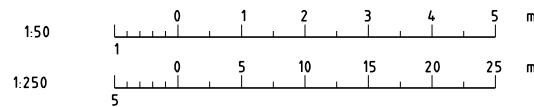
MGA NORTH



ROUTE PLAN
SCALE 1:250



SECTION A-A
SCALE 1:50



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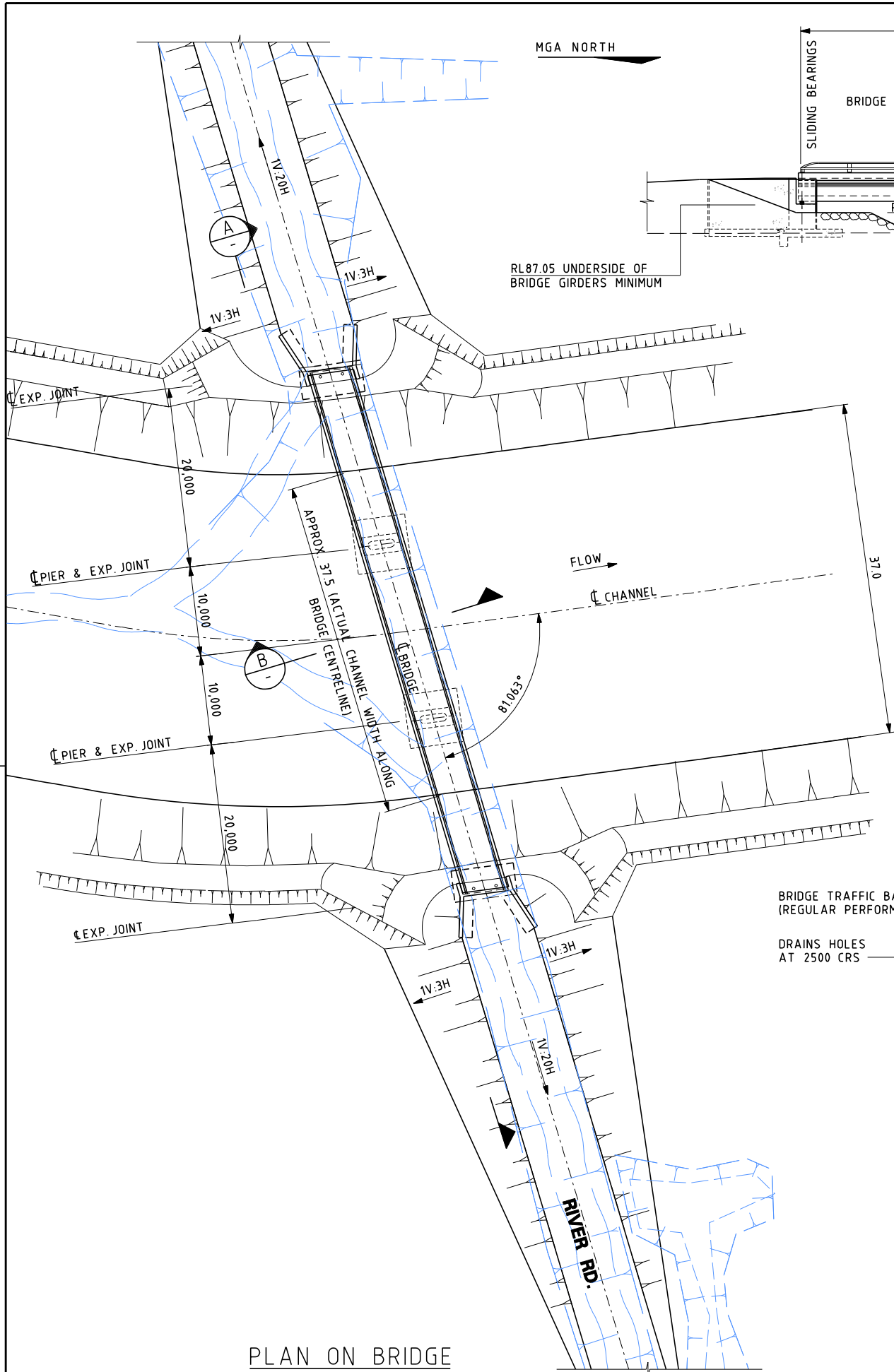
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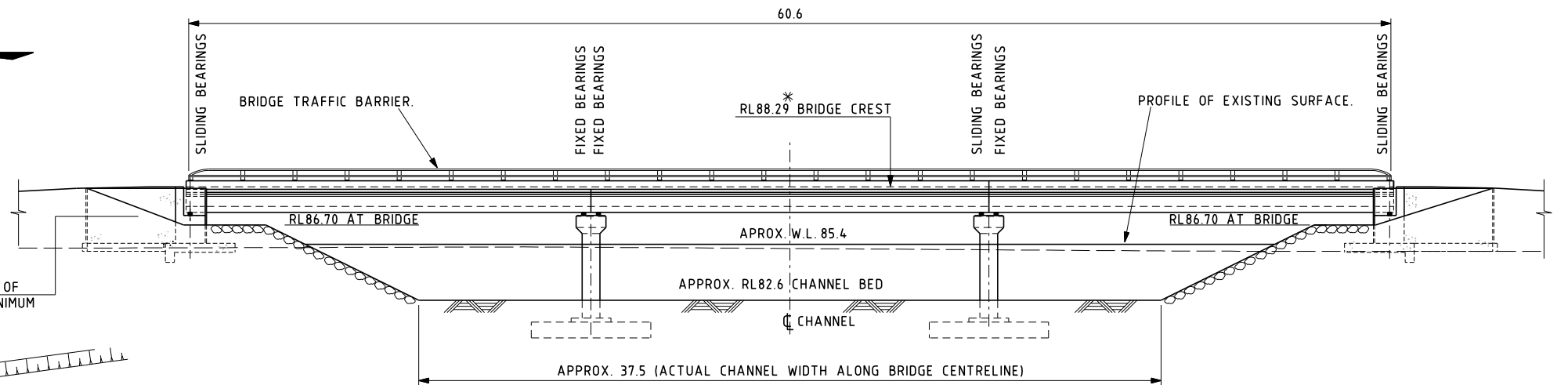
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DESIGNED	J.R. LENEHAN



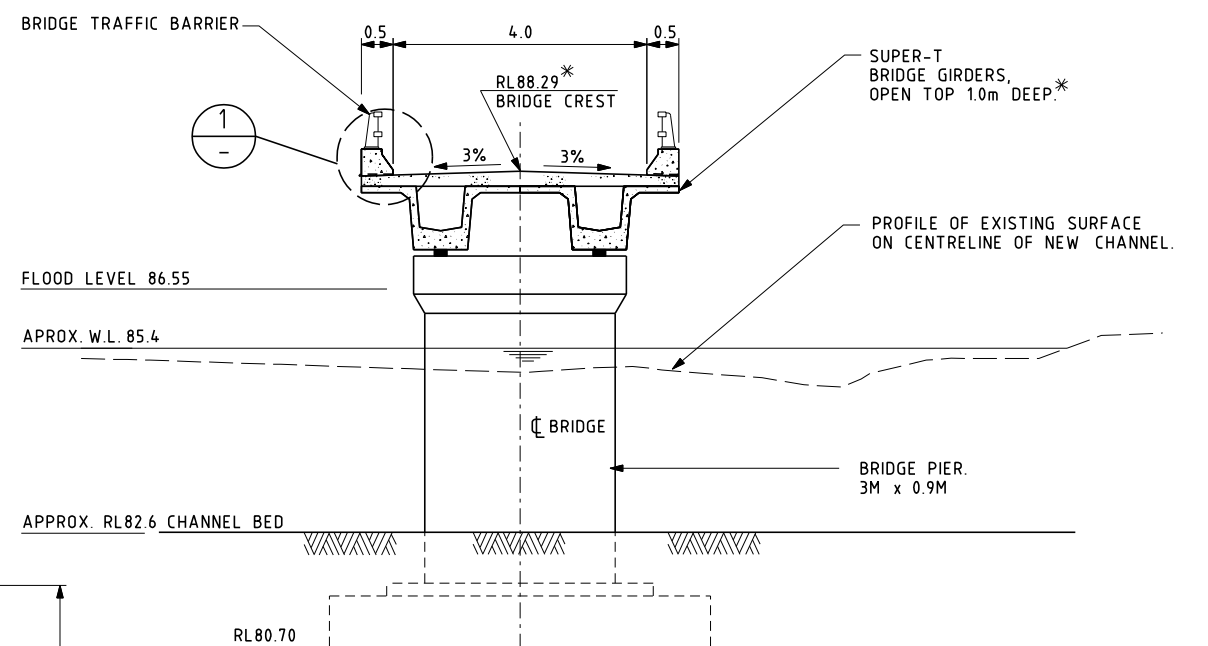
KOONDROOK - PERRICOOTA FLOOD ENHANCEMENT	
UPSTREAM STRUCTURES RIVER INLET	
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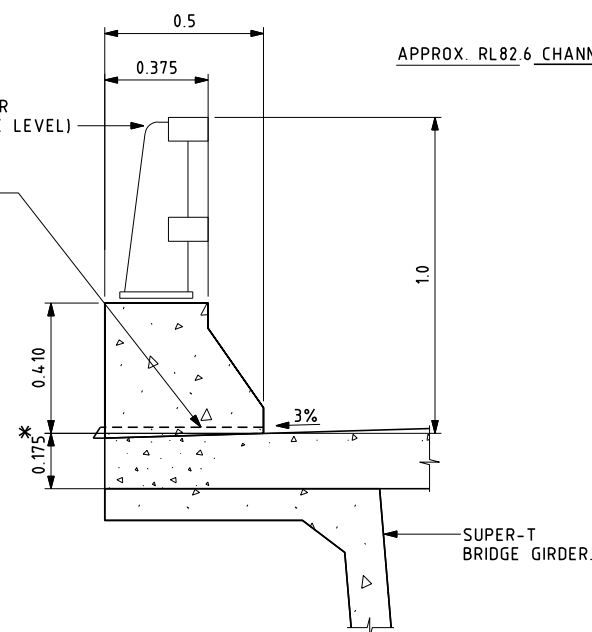
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SCALE 1:250



ELEVATION
SCALE 1:125

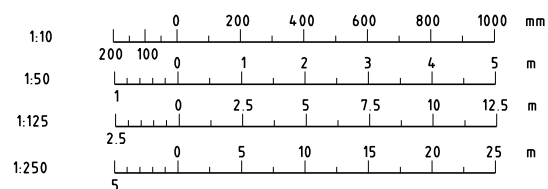


SECTION
SCALE 1:50



DETAIL
SCALE 1:10

- NOTES:
1. ALL DIMENSIONS ARE IN METRES, UNLESS NOTED OTHERWISE.
 2. DESIGN TO AS5100 BRIDGE DESIGN
 3. MAX DESIGN LOAD T44 TRUCK LOADING AS PER 92 AUSTRROADS BRIDGE DESIGN CODE SECTION 2 (96KN MAX AXLE LOAD)
 4. THE SUPERSTRUCTURE, INCLUDING BEARINGS, GIRDERS, DECK, DECK JOINTS, KERBS AND RAILINGS I.E. TRAFFIC BARRIERS TO BE DESIGNED BY THE CONTRACTOR.
 5. TRAFFIC BARRIER REQUIREMENTS INCLUDING GEOMETRY AND DESIGN LOADING SHALL BE IN ACCORDANCE WITH AS 5100. BARRIER PERFORMANCE SHALL BE 'REGULAR LEVEL'.
 6. SUBMIT BRIDGE DESIGN INCLUDING CALCULATIONS TO THE SUPERINTENDENT FOR APPROVAL. DO NOT COMMENCE CONSTRUCTION UNTIL APPROVALS HAVE BEEN OBTAINED.
 7. DIMENSIONS AND LEVELS MARKED THUS * ARE ASSUMED AND ARE TO BE DETERMINED BY CONTRACTOR PRIOR TO CONSTRUCTION.
 8. PIER FOOTINGS REQUIRE A SAFE BEARING CAPACITY OF 200kPa
 9. ABUTMENT FOOTINGS REQUIRE A SAFE BEARING CAPACITY OF 100kPa



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CHECKED J. R. LENEHAN
B. CLARK

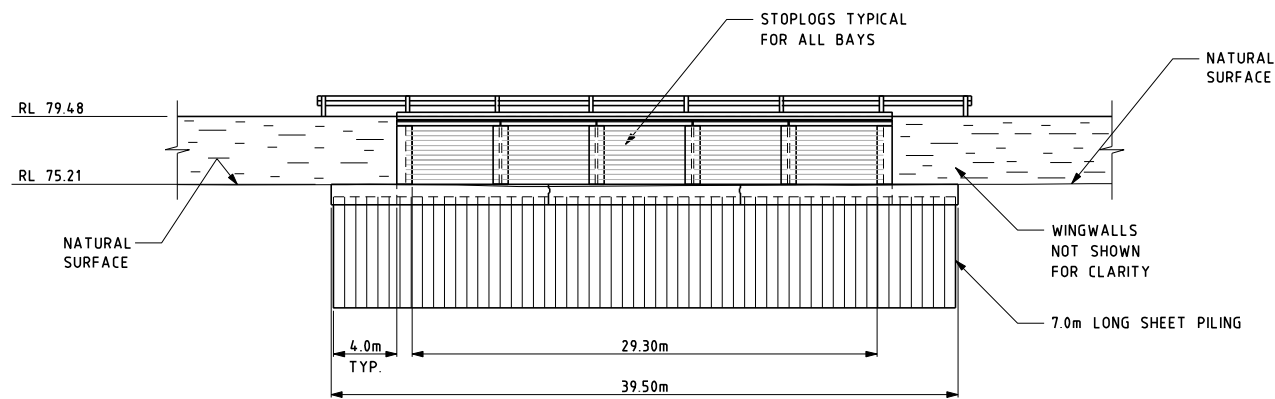


**KOONDROOK - PERRICOOTA
FLOOD ENHANCEMENT**
UPSTREAM STRUCTURES
BRIDGE OVER CHANNEL AT RIVER ROAD
GENERAL ARRANGEMENT

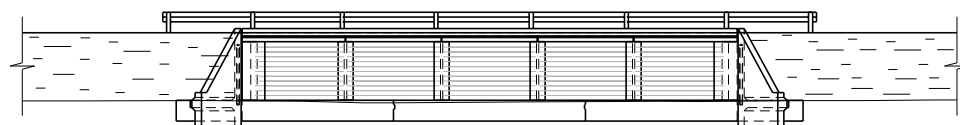
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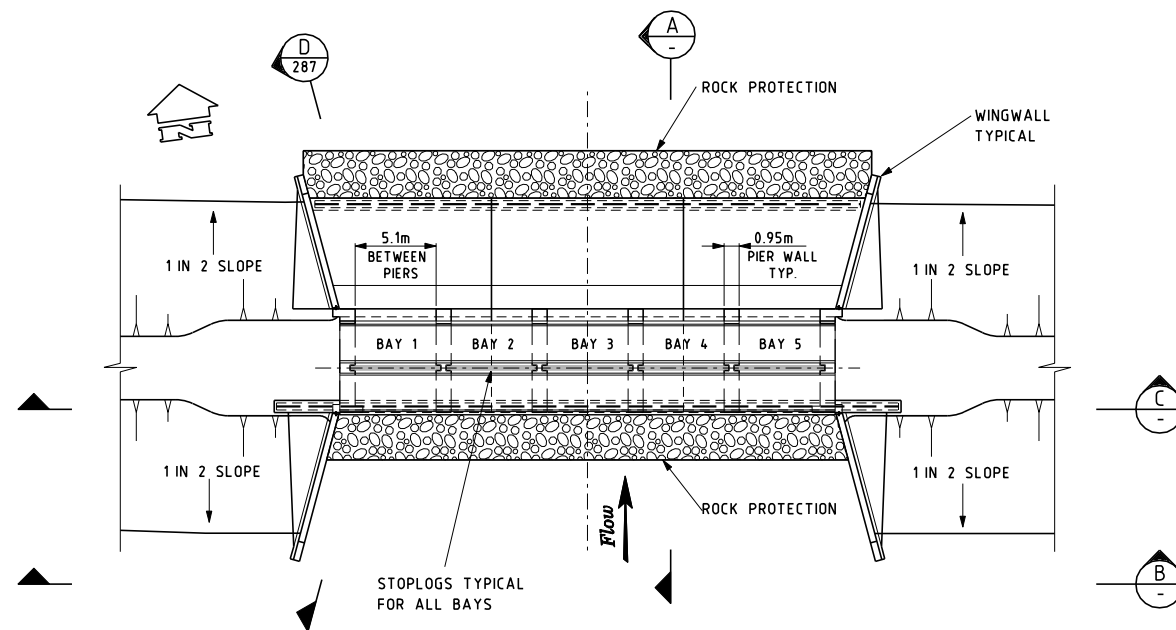
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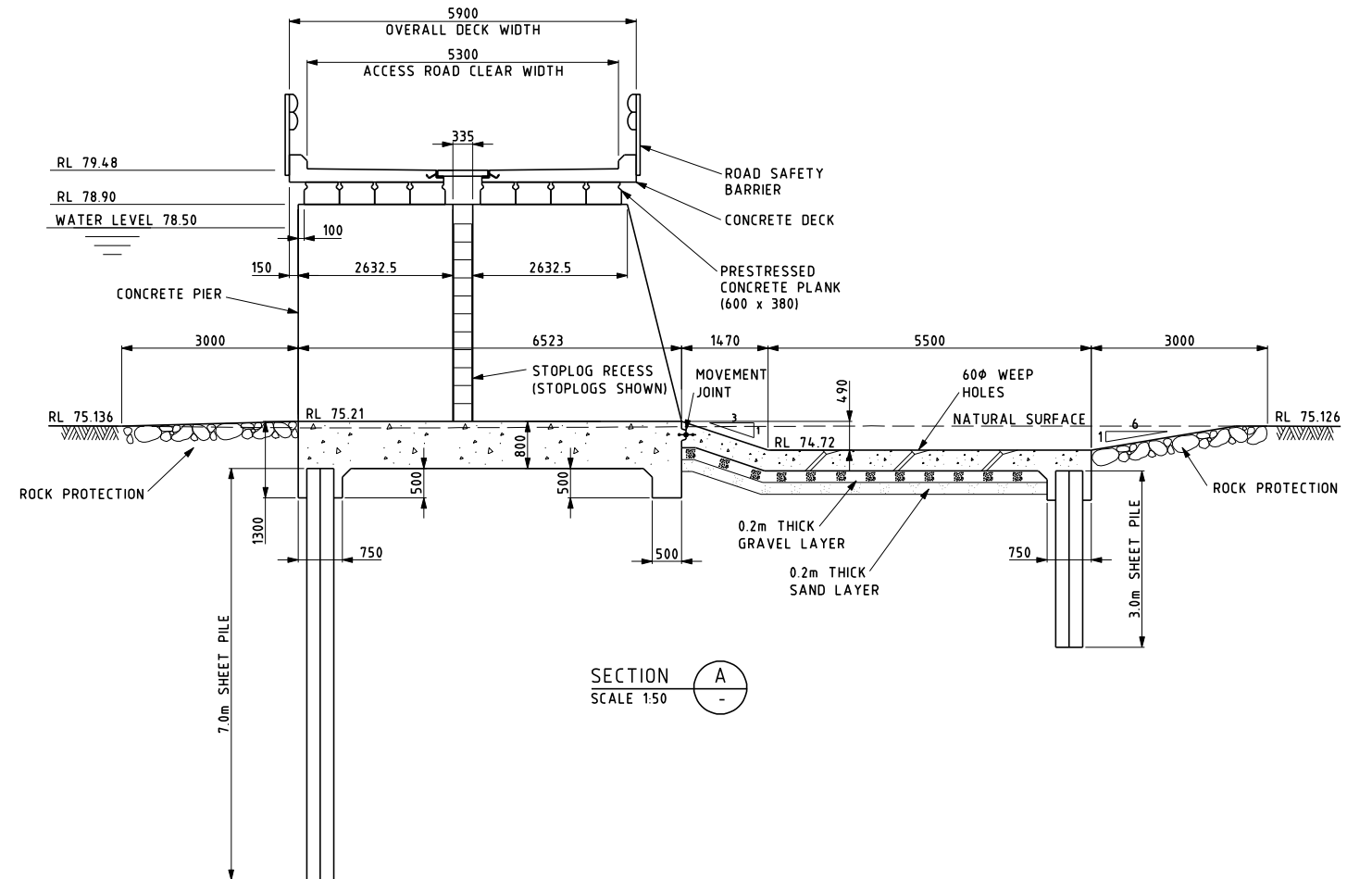
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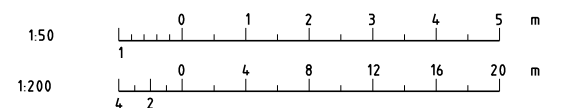
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SCALE 1:200



SECTION A
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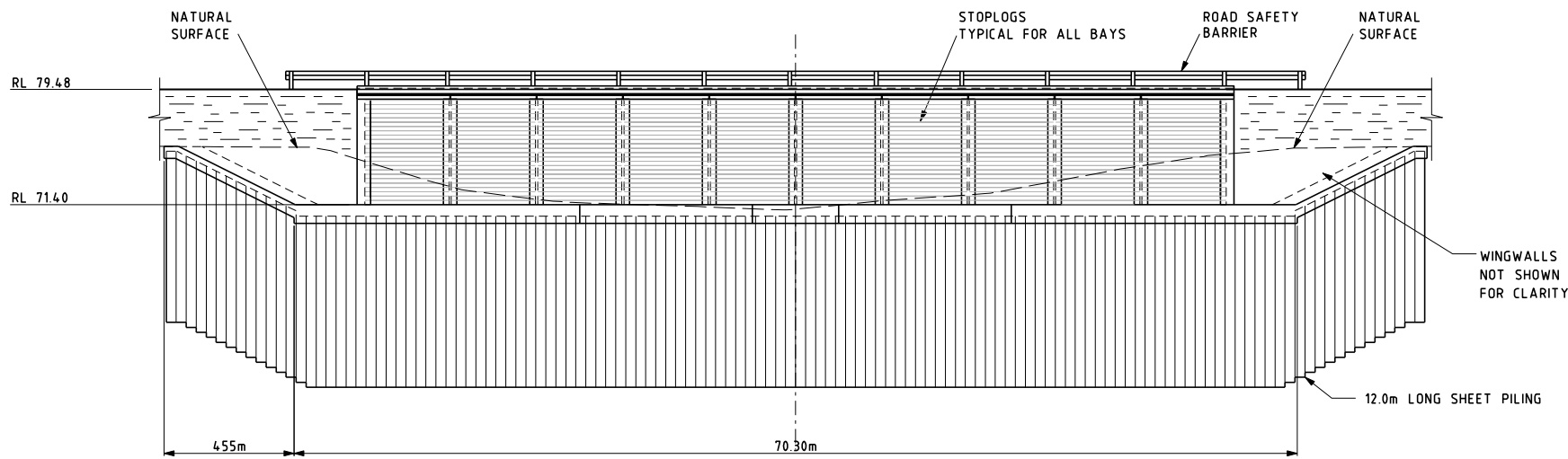
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2-24 RAWSON PLACE
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DRAFTED D.J. MALONE
CHECKED G. SAMIOS
S.P. ENGINEER G. SAMIOS
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J.R. LENEHAN

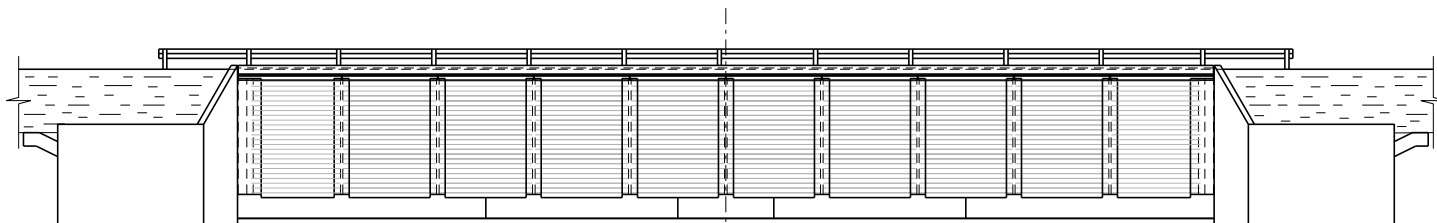


**KOONDROOK - PERRICOOTA
FLOOD ENHANCEMENT**
DOWNSTREAM STRUCTURES
CALF CREEK REGULATOR
GENERAL ARRANGEMENT - Sheet 1 of 2

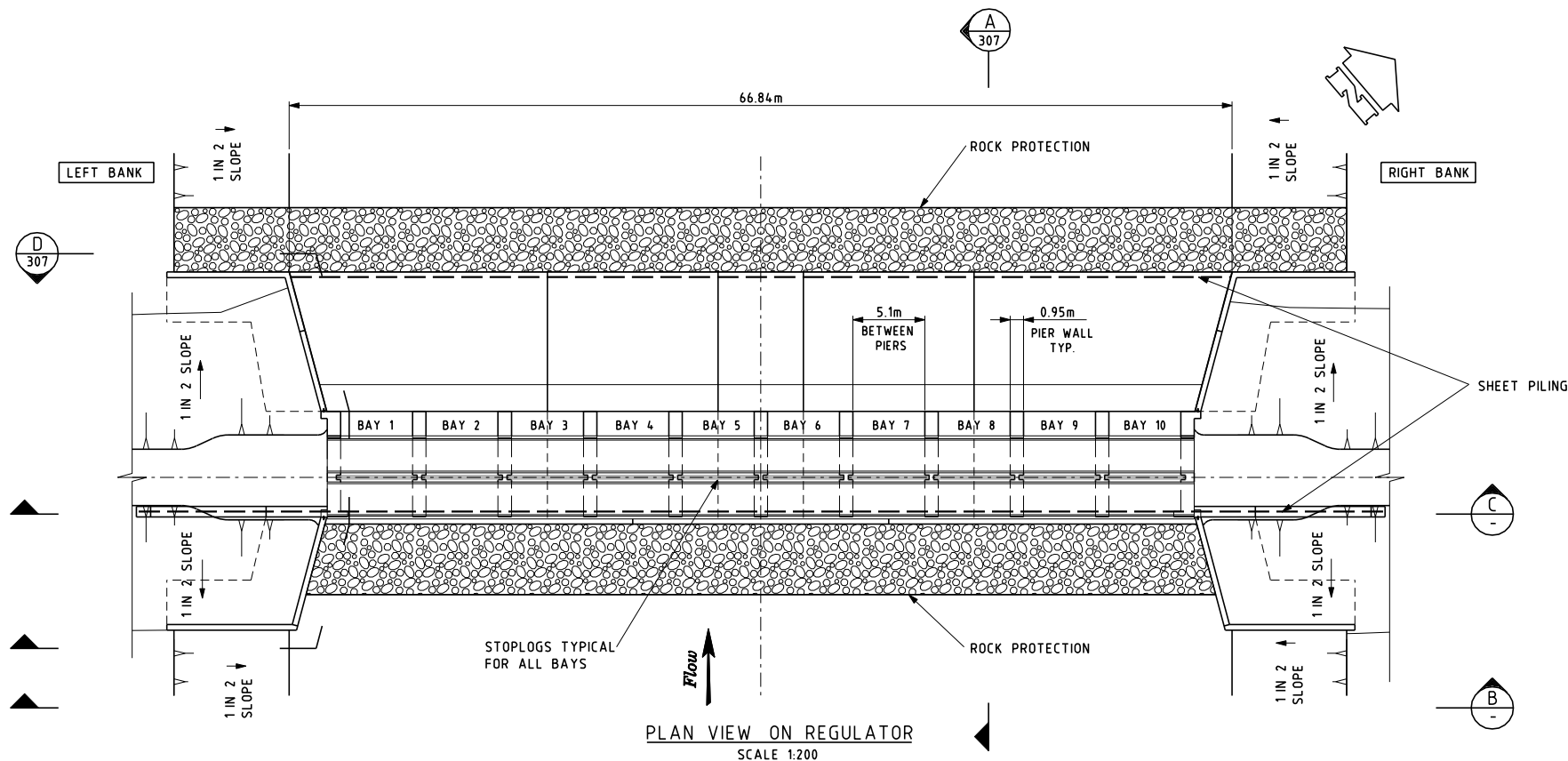
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DRAWING NO. 4078 - 286
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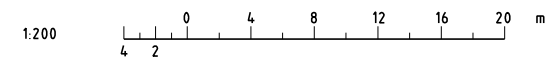
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ELEVATION B
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PLAN VIEW ON REGULATOR
SCALE 1:200



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G. SAMIOS	



**KOONDROOK - PERRICOOTA
FLOOD ENHANCEMENT**
DOWNSTREAM STRUCTURES
COW CREEK REGULATOR
GENERAL ARRANGEMENT - Sheet 1 of 3

FILE NO.	DCF 6815
DRAWING NO.	4078 - 306
REVISION	0

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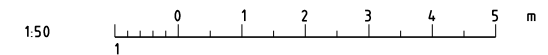
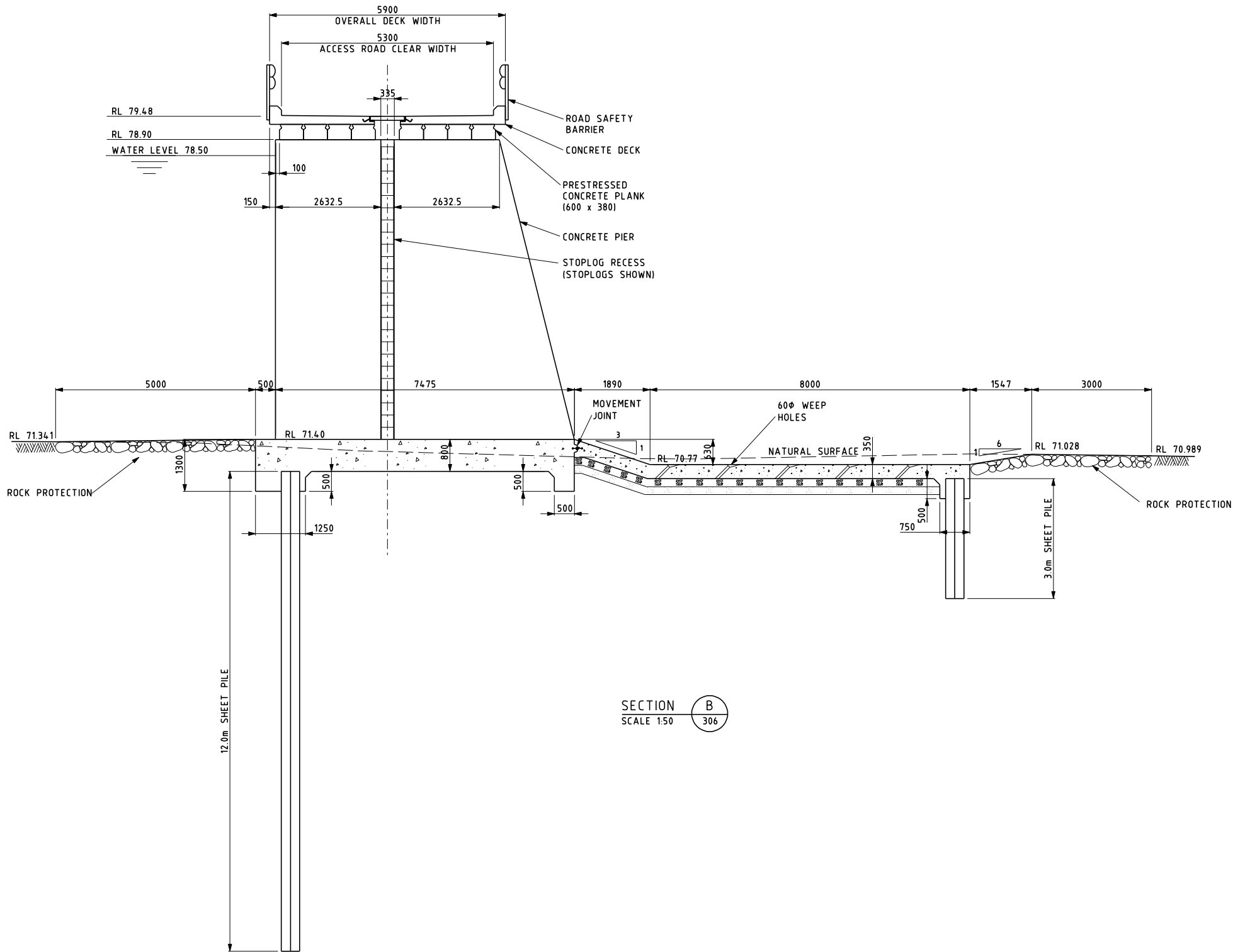
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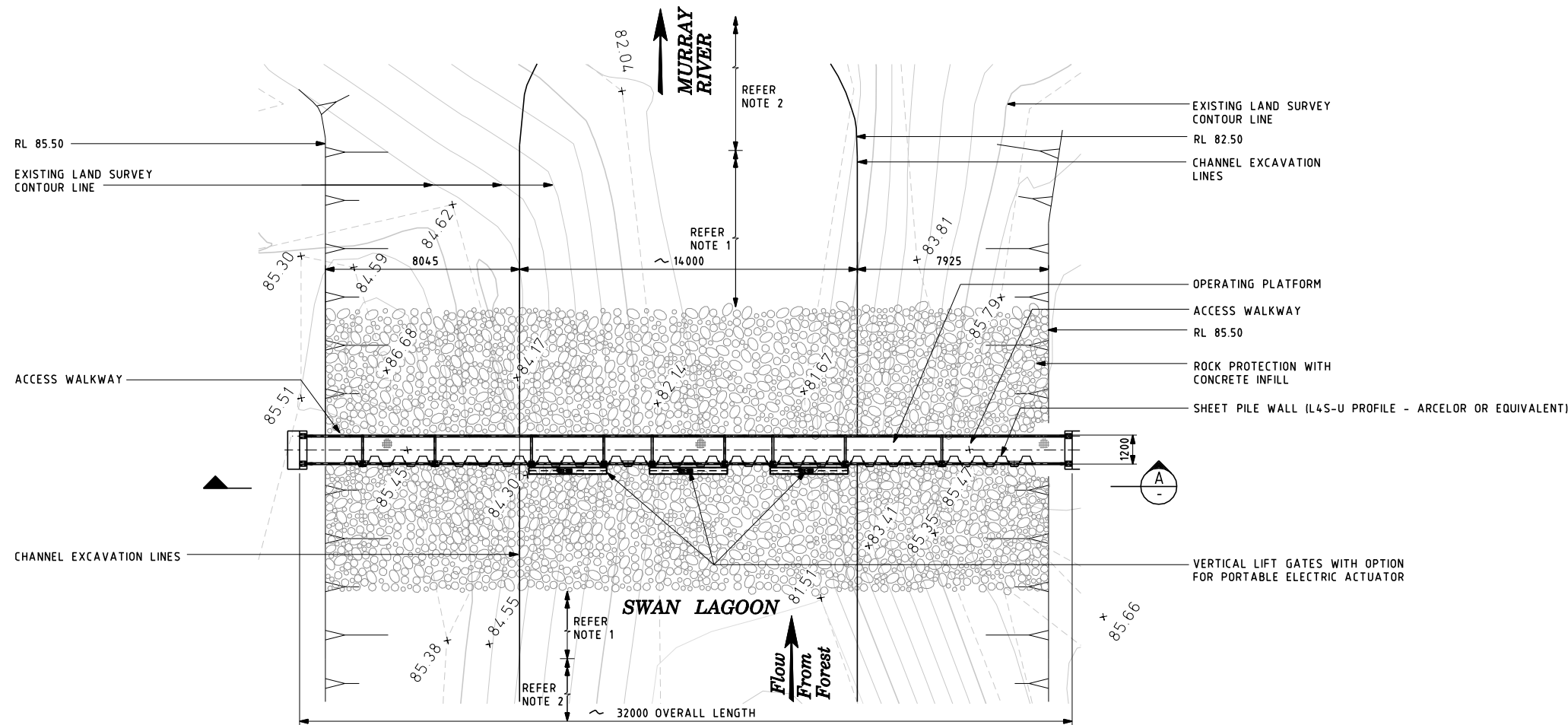
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D.J. MALONE	J.R. LENEHAN
CHECKED	
G. SAMIOS	

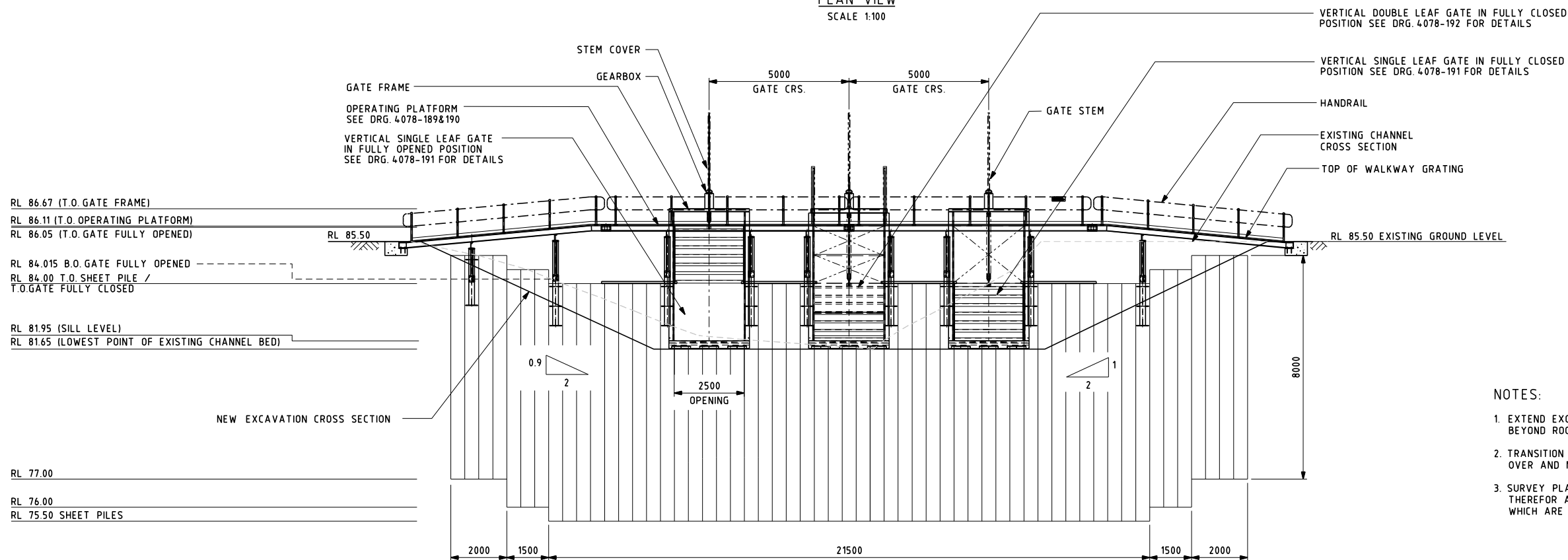


**KOONDROOK - PERRICOOTA
FLOOD ENHANCEMENT**
DOWNSTREAM STRUCTURES
COW CREEK REGULATOR
GENERAL ARRANGEMENT - Sheet 2 of 3

NO IN SET
FILE NO. DCF 6815
DRAWING NO. 4078 - 307
REVISION 0



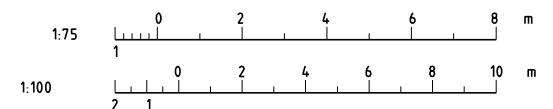
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SCALE 1:100



SECTION A-A
SCALE 1:75

NOTES:

1. EXTEND EXCAVATED CHANNEL FOR 10M BEYOND ROCK PROTECTION
2. TRANSITION BACK TO NATURAL CONTOURS OVER AND MINIMUM DISTANCE OF 20M.
3. SURVEY PLAN FOR THIS AREA IS NOT AVAILABLE, THEREFOR APPROXIMATE CONTOURS ARE DRAWN WHICH ARE TO BE CONFIRMED ON SITE.



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DRAFTED J.R. LENEHAN
CHECKED D. REYKHTMAN
G. SAMIOS

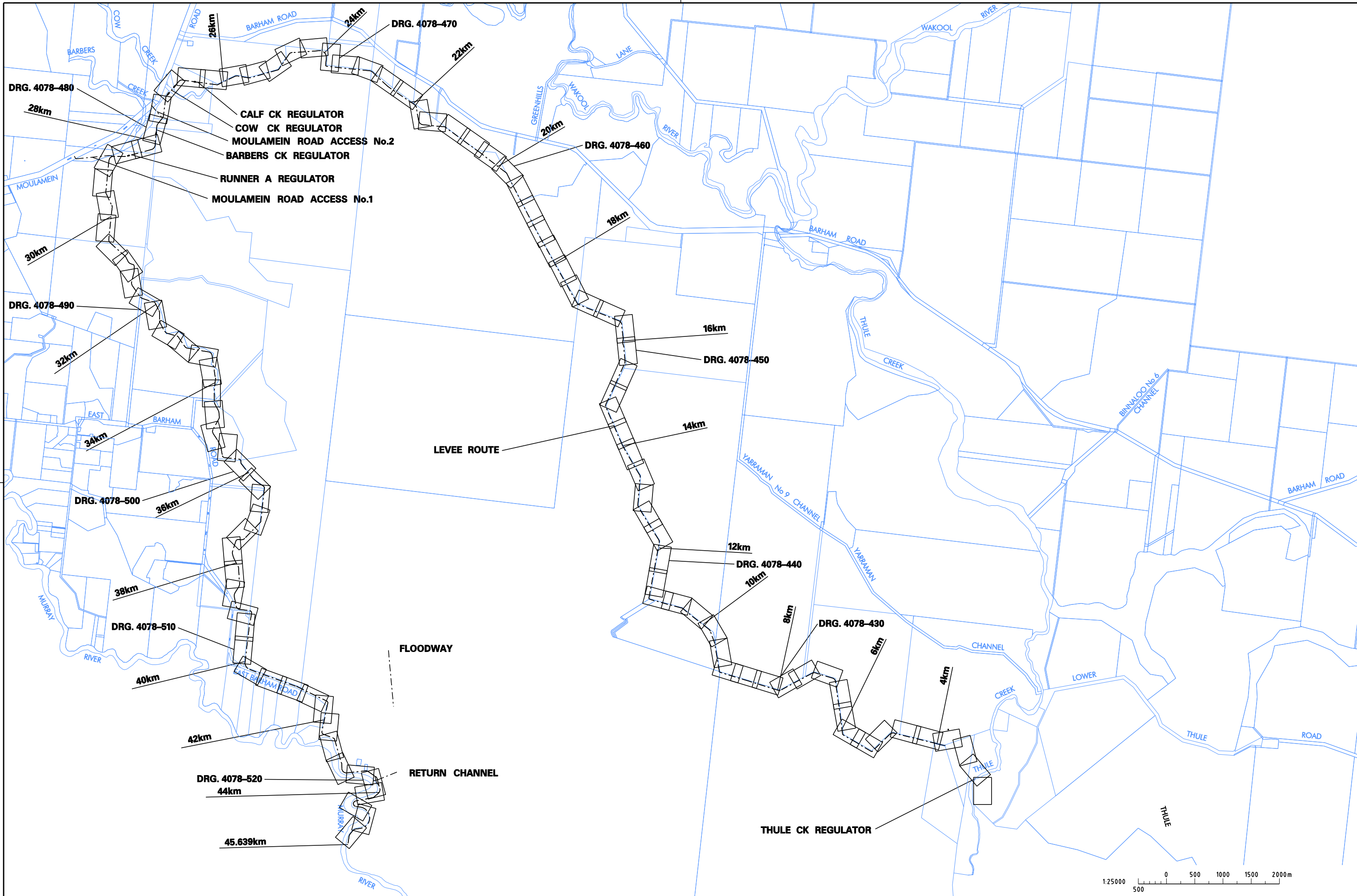


**KOONDROOK - PERRICOOTA
FLOOD ENHANCEMENT
SWAN LAGOON
REGULATOR ARRANGEMENT
DOWNSTREAM**

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FILE NO. **DCF 6815**
DRAWING NO. **4078**
REVISION **0**

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A	ISSUED FOR REVIEW.			
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2-24 RAWSON PLACE
SYDNEY 2000
PHONE (02) 93727808 FAX (02) 93727822

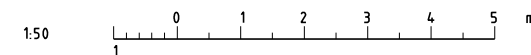
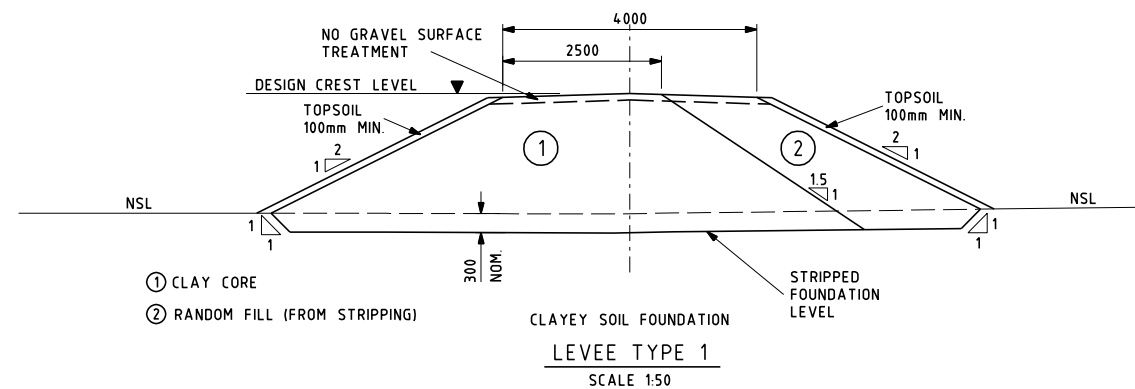
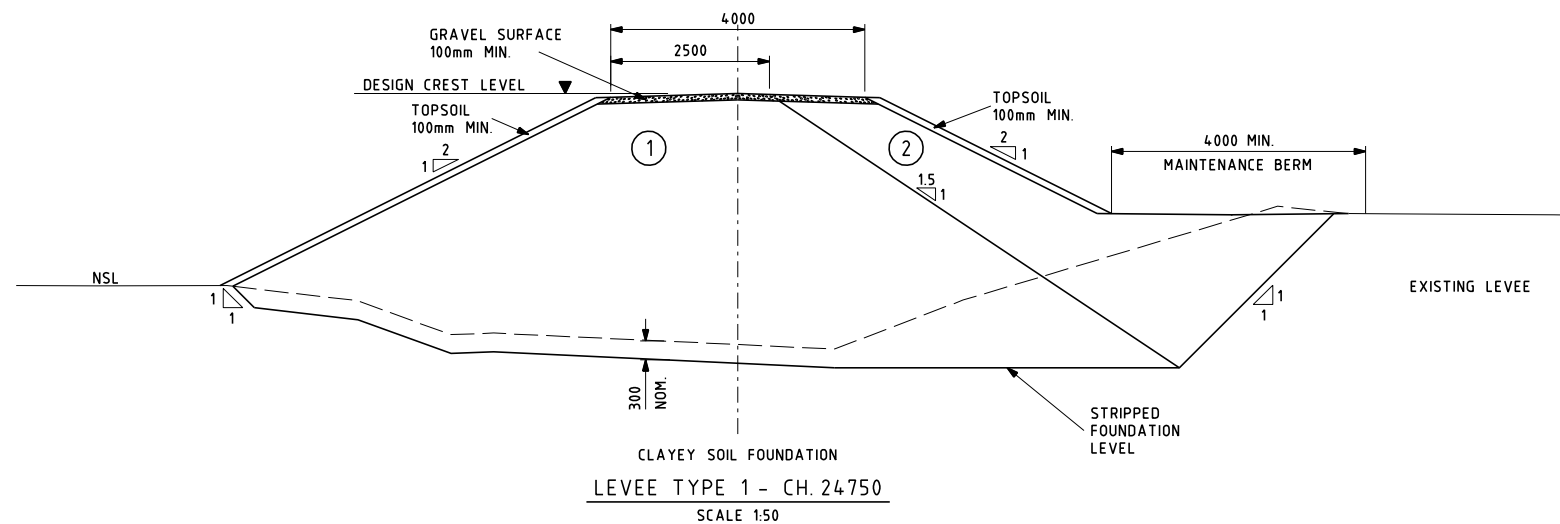
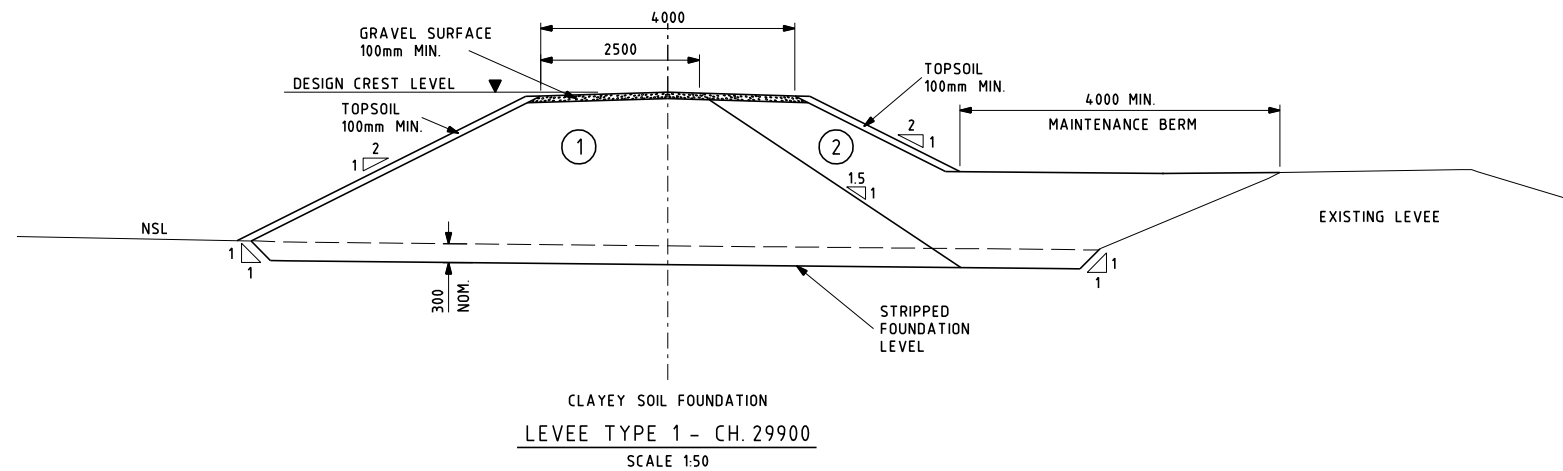
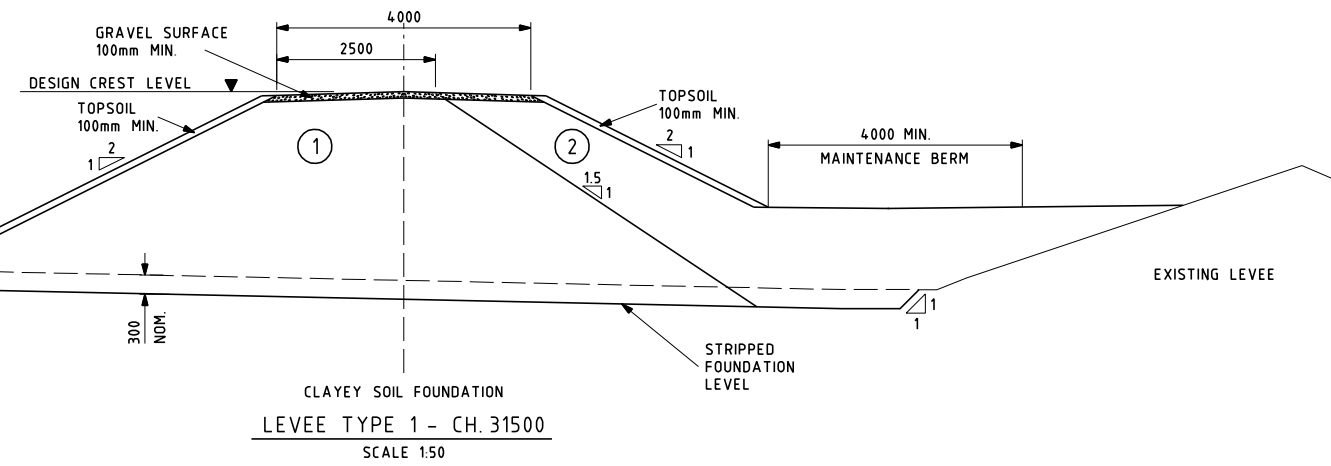
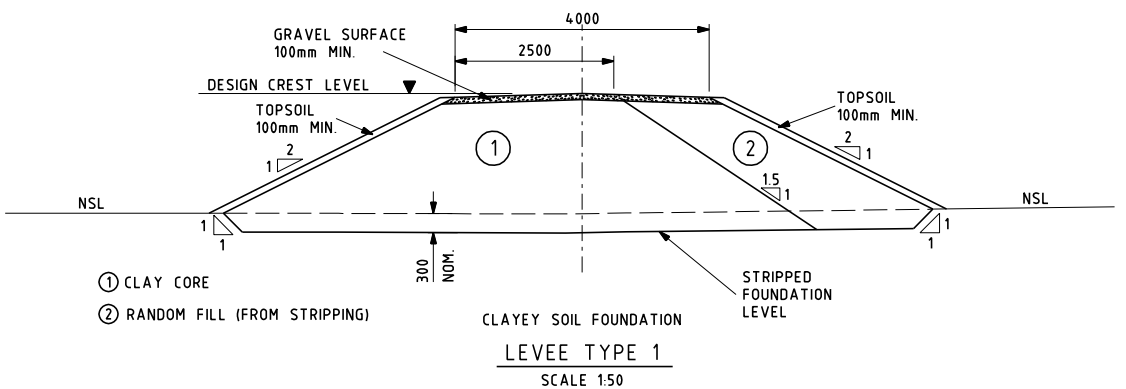
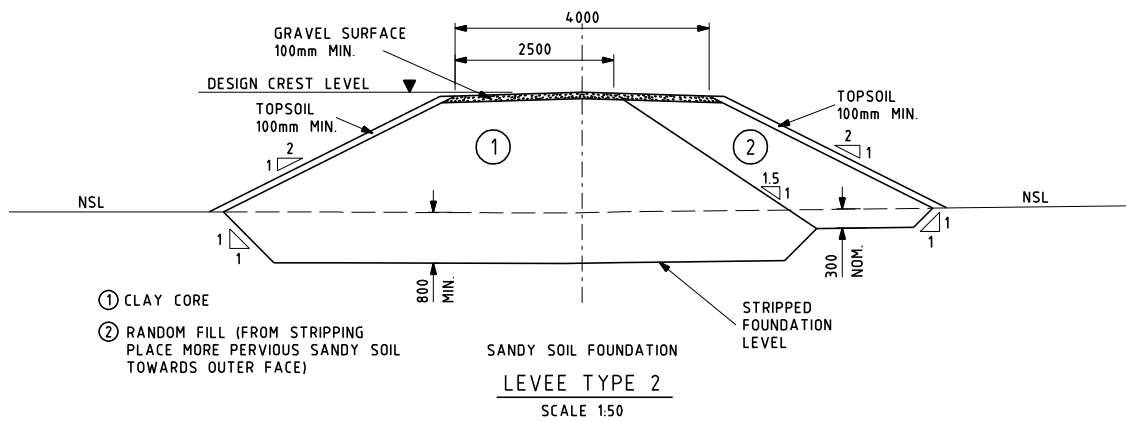
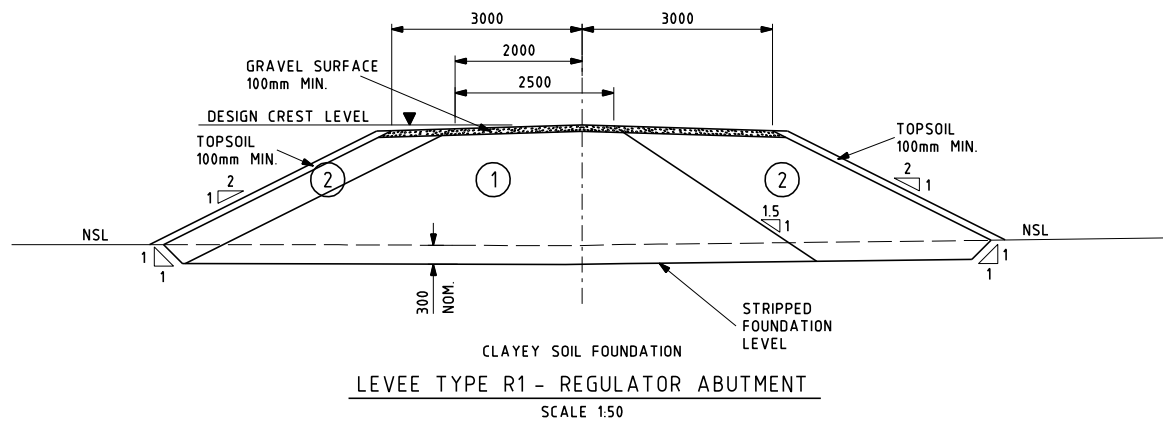
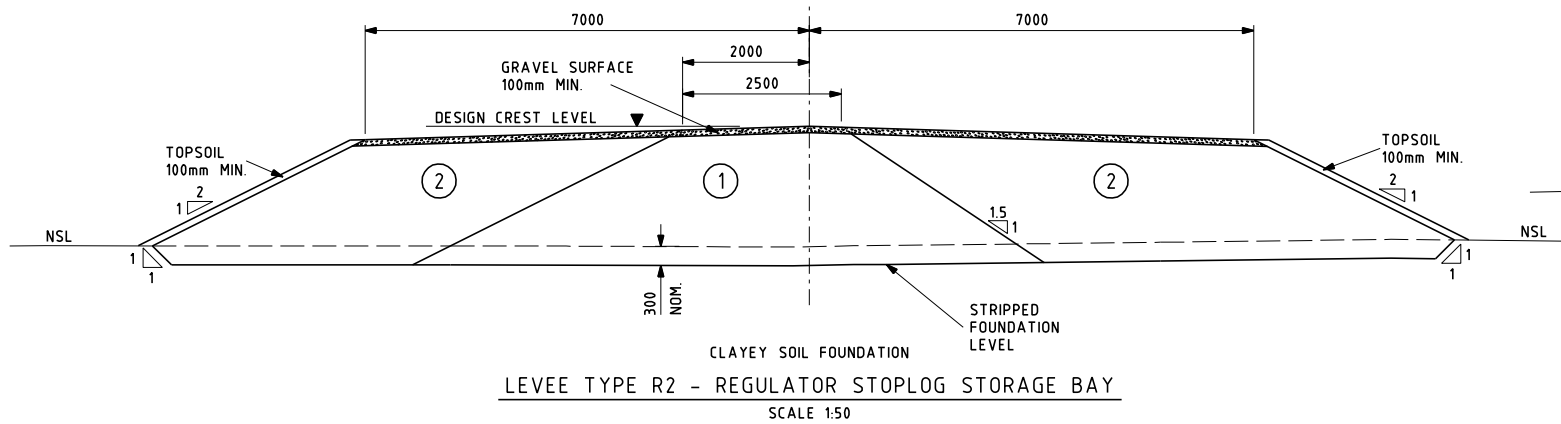
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	J.R. LENEHAN
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G. SAMIOS	



**KOONDROOK - PERRICOOTA
FLOOD ENHANCEMENT**
**DOWNSTREAM LEVEE
KEY PLAN**

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FILE NO. DCF 6815
DRAWING NO. 4078 - 401
REVISION A

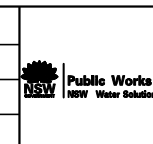
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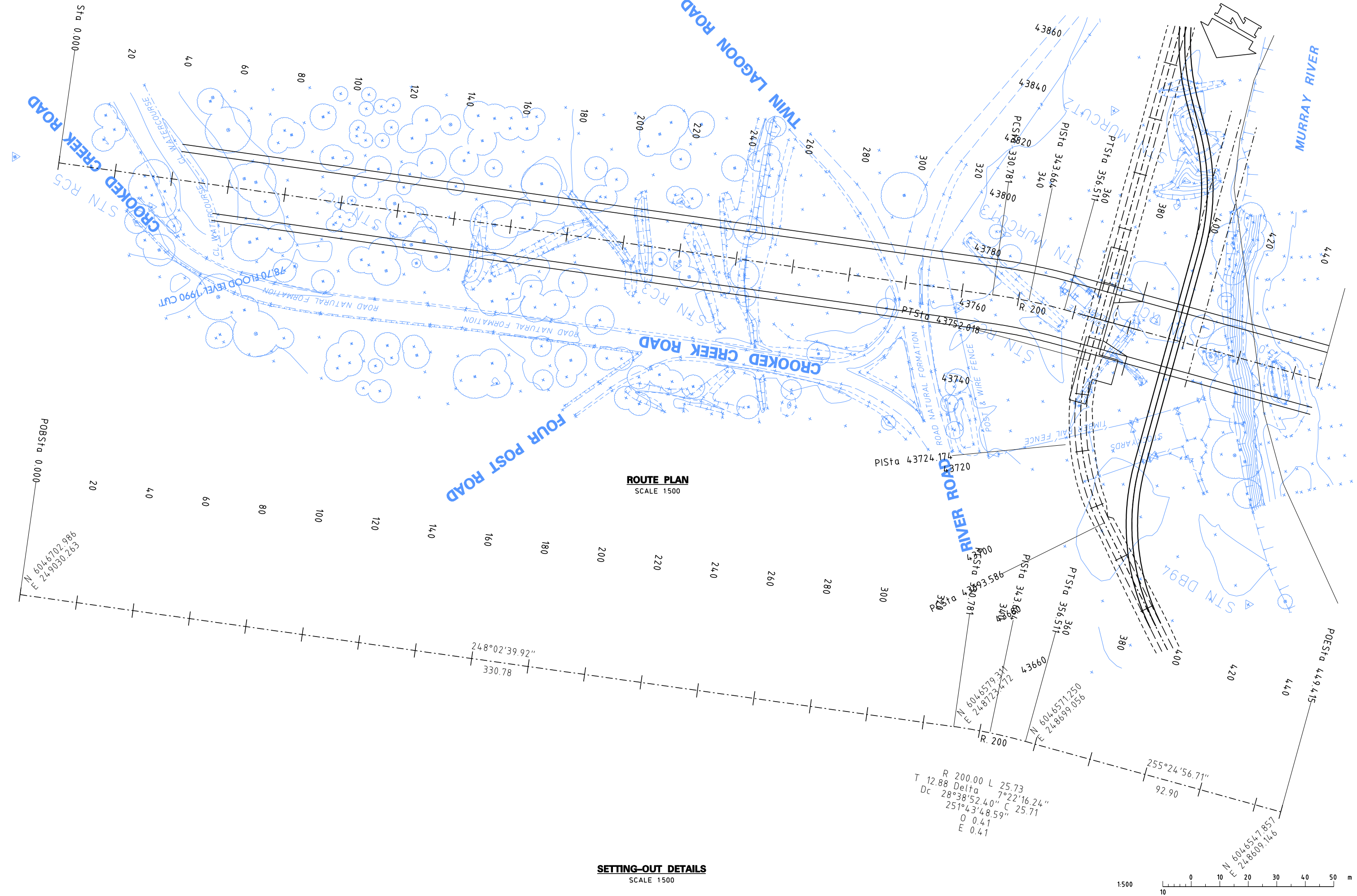
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DRAFTED Y. BOSSON
CHECKED B. CLARK
SP. ENGINEER G. SAMIOS
G.M. DAMS AND CIVIL TECHNOLOGIES
J. R. LENEHAN



**KOONDROOK - PERRICOOTA
FLOOD ENHANCEMENT**
STANDARD LEVEE
SECTIONS

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DRAWING NO. 4078 - 402
REVISION 0



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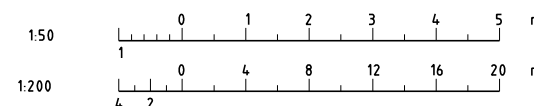
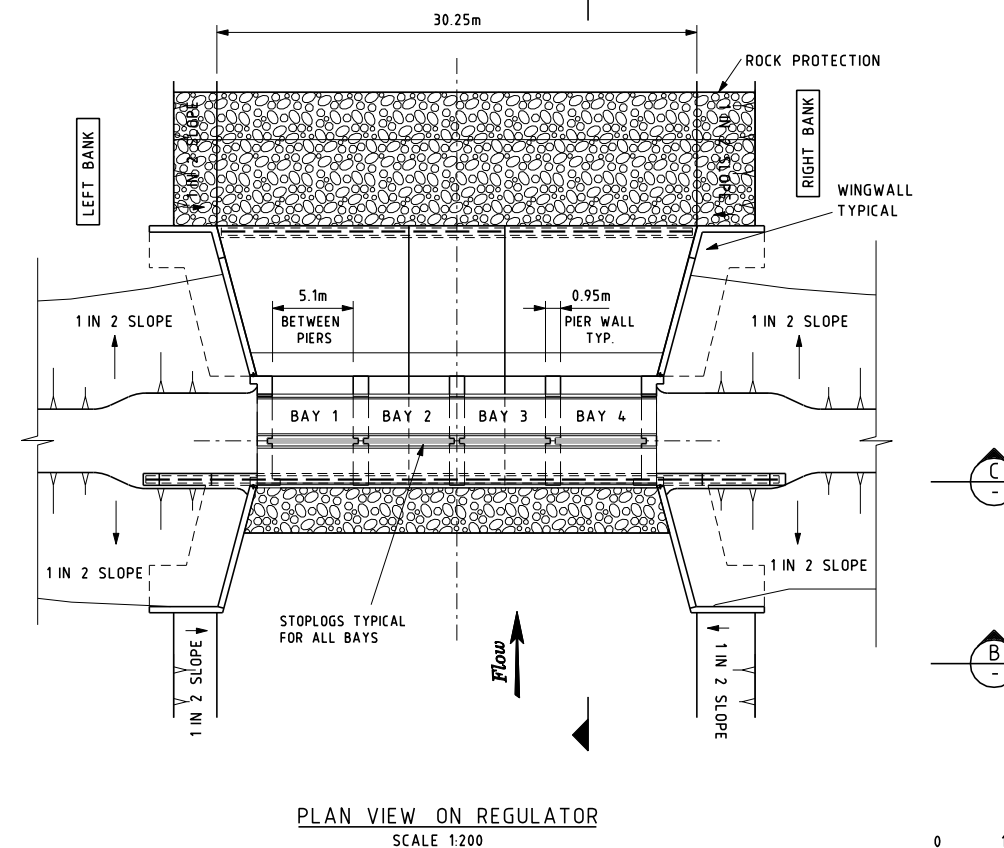
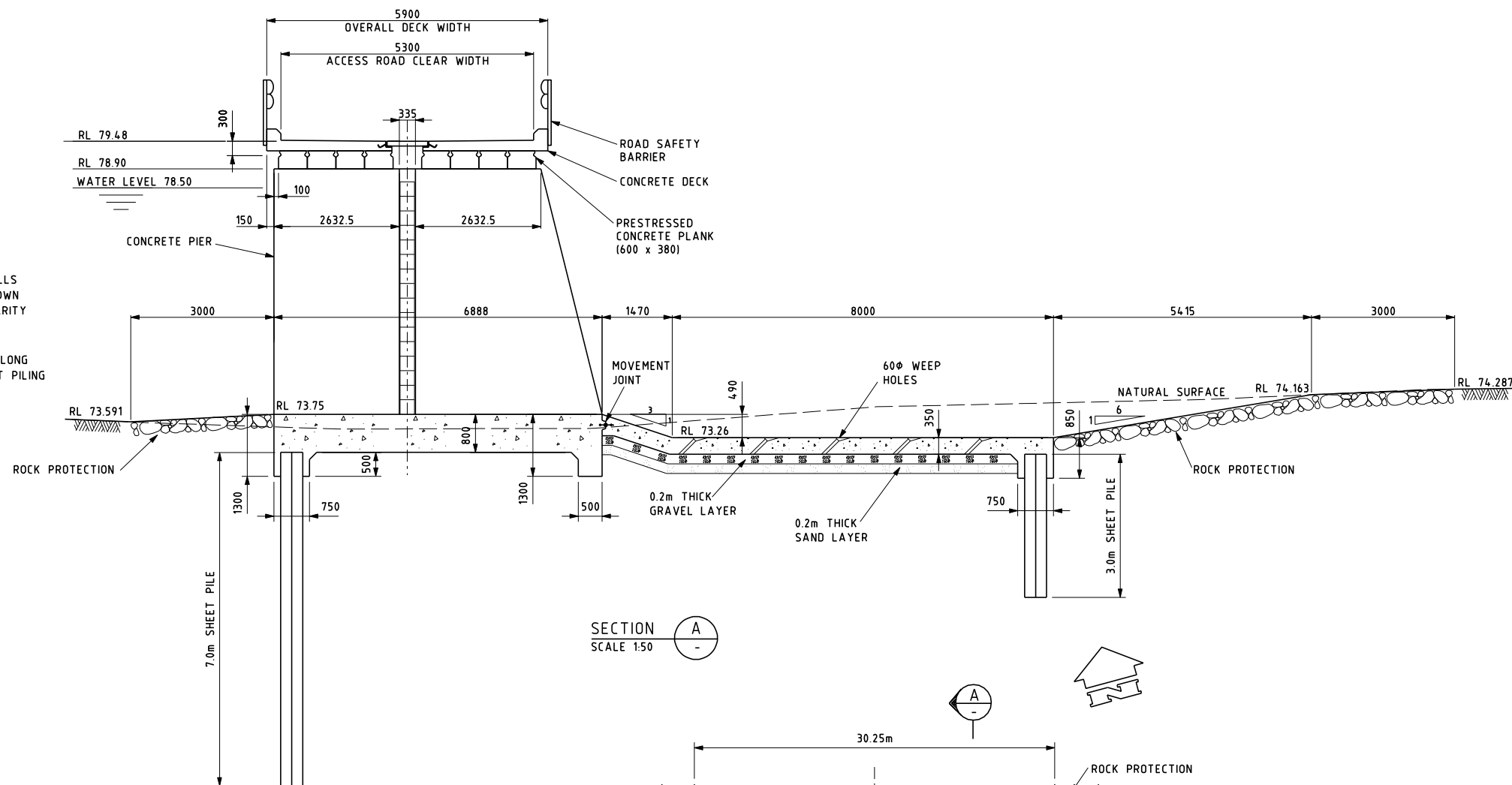
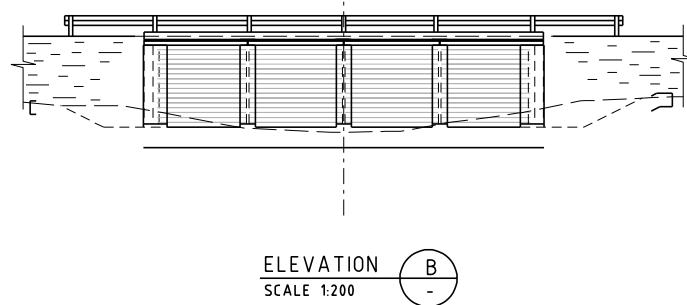
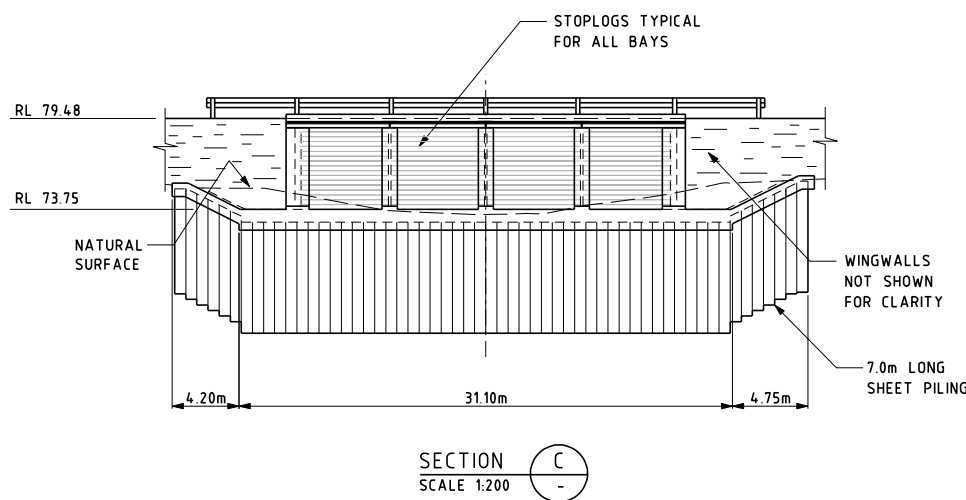
PLAN RM NO	
DESIGNED	SP ENGINEER
Y. BOSSON	G. SAMIOS
DRAFTED	G.M. DAMS AND CIVIL TECHNOLOGIES
Y. BOSSON	J.R. LENEHAN
CHECKED	
B. CLARK	



**KOONDROOK - PERRICOOTA
FLOOD ENHANCEMENT**

**RETURN CHANNEL
ROUTE PLAN AND SETTING-OUT DETAILS
CH. TO CH.**

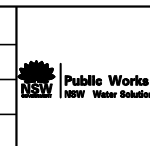
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REVISION 0



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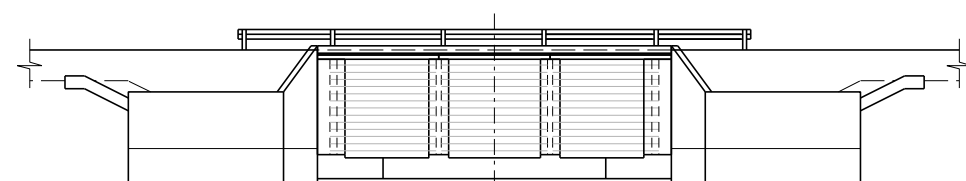
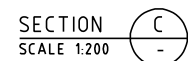
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D.J. MALONE	J.R. LENEHAN
CHECKED	
G. SAMIOS	

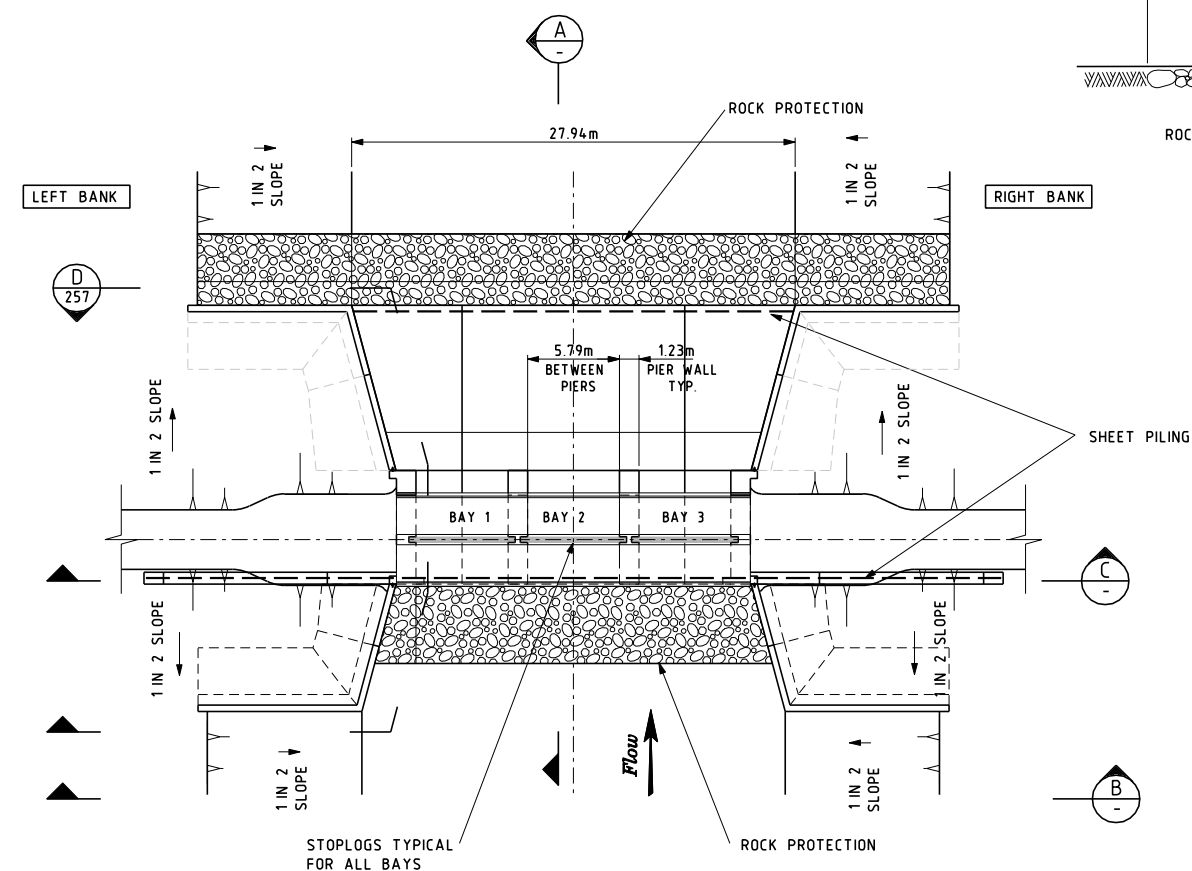


**KOONDROOK - PERRICOOTA
FLOOD ENHANCEMENT**
DOWNSTREAM STRUCTURES
RUNNER A REGULATOR
GENERAL ARRANGEMENT - Sheet 1 of 2

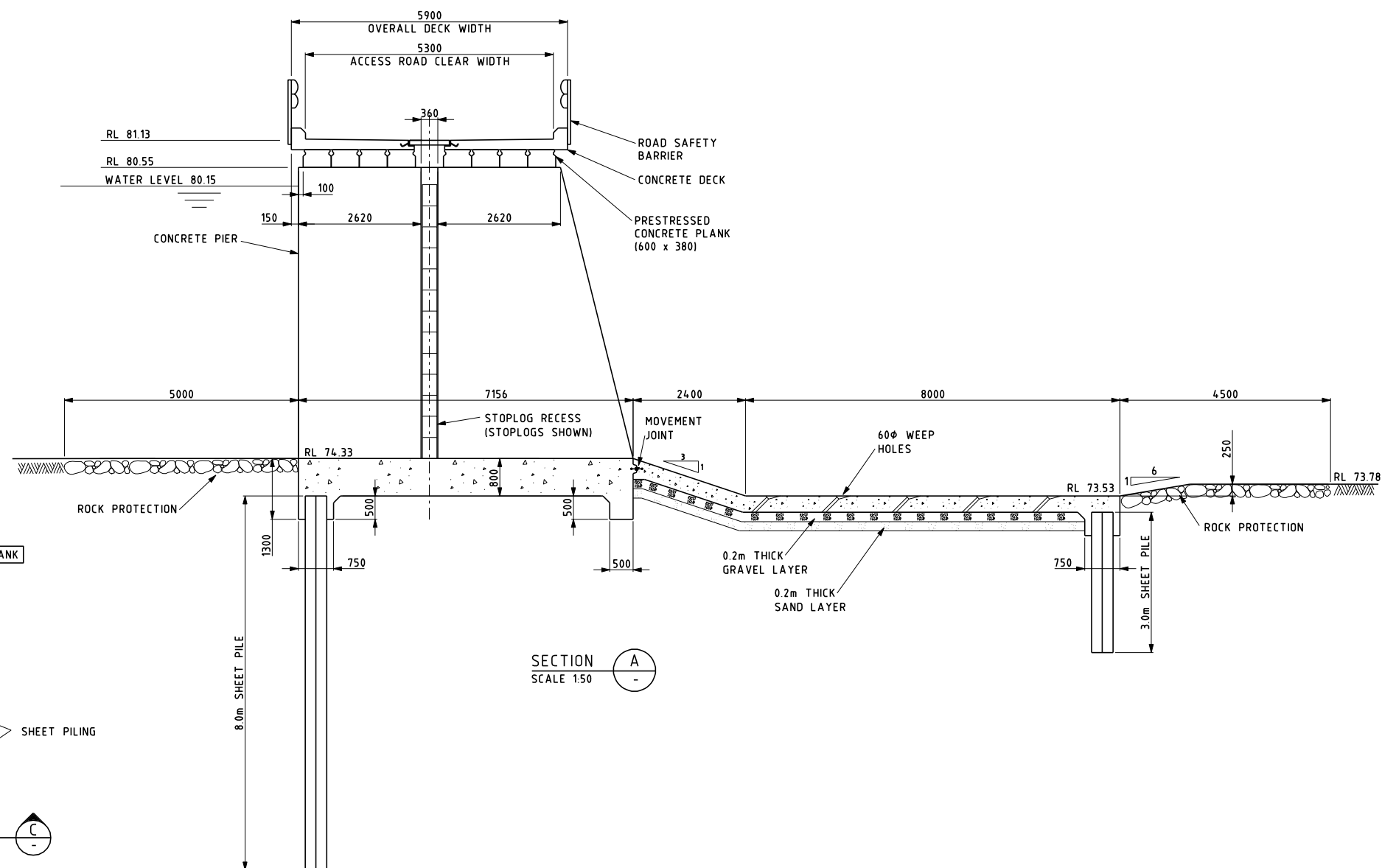
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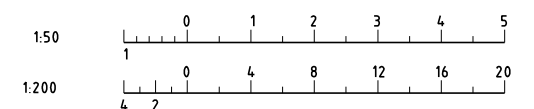
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PLAN VIEW ON REGULATOR
SCALE 1:200



SECTION A
SCALE 1:50



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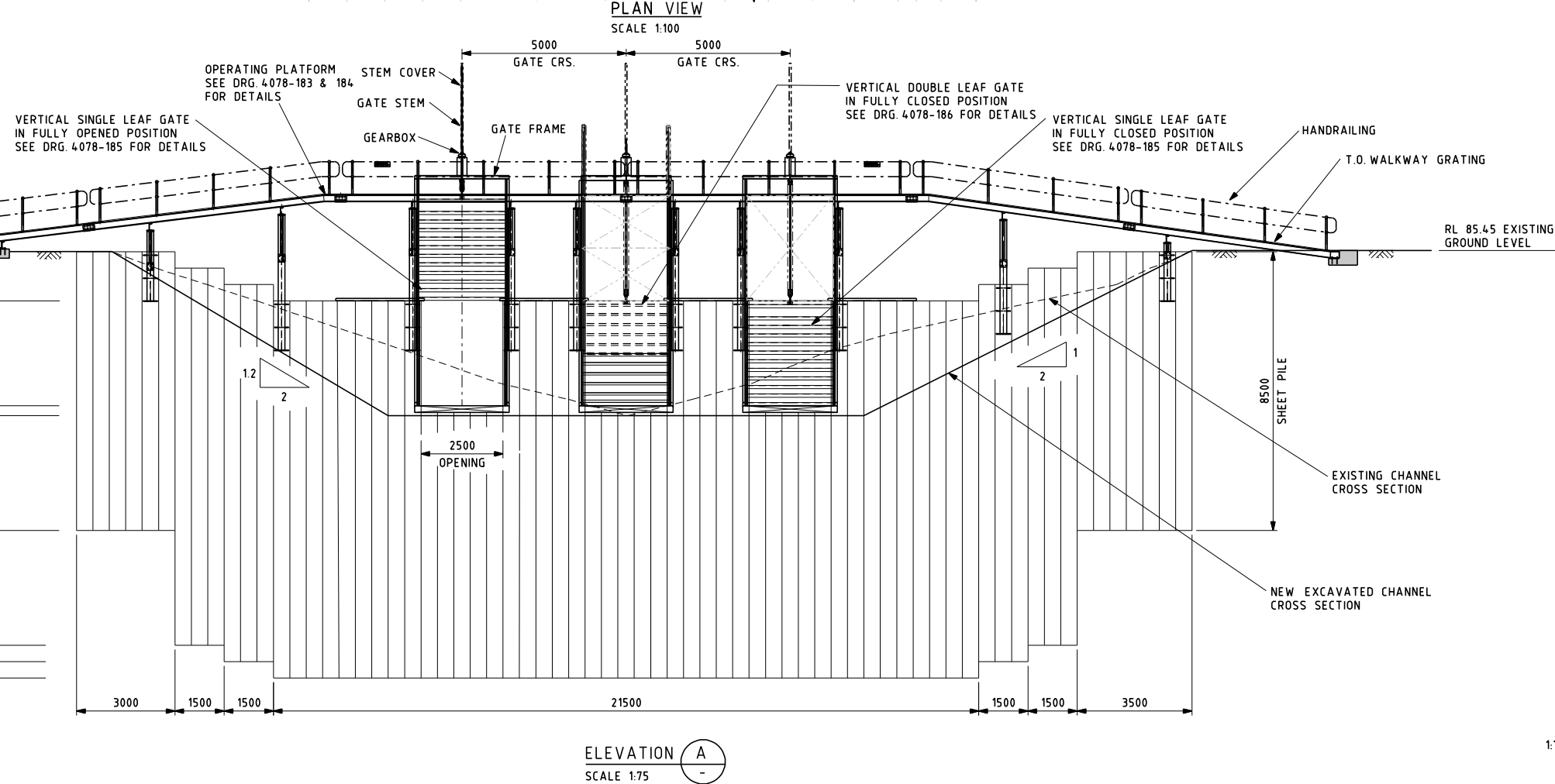
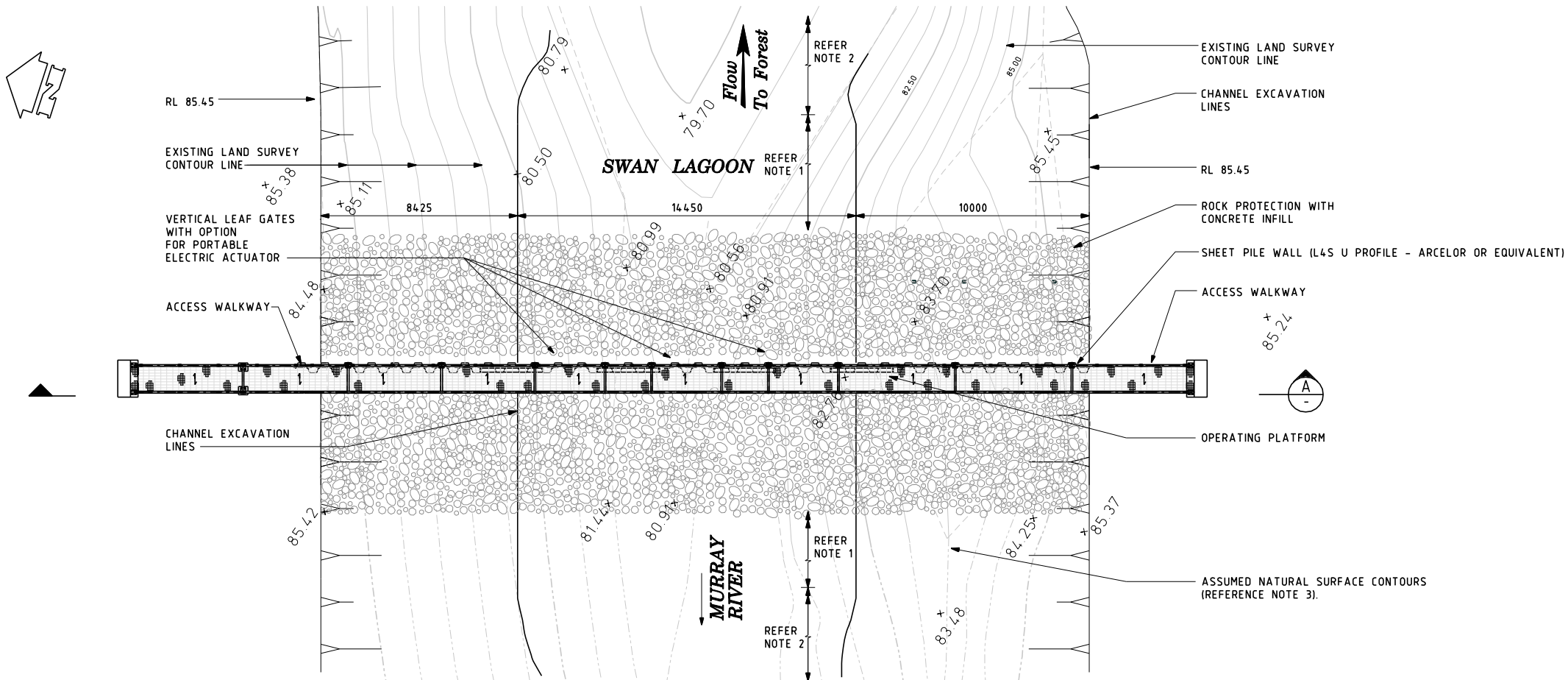


KOONDROOK – PERRICOOTA FLOOD ENHANCEMENT

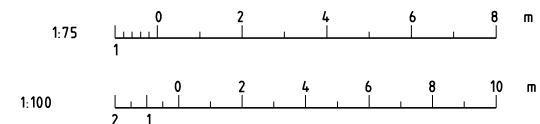
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- NOTES:
1. EXTEND EXCAVATED CHANNEL FOR 10M BEYOND ROCK PROTECTION
 2. TRANSITION BACK TO NATURAL CONTOURS OVER A MINIMUM DISTANCE OF 20M.
 3. SURVEY PLAN FOR THIS AREA IS NOT AVAILABLE, APPROXIMATE CONTOURS ARE DRAWN WHICH ARE TO BE CONFIRMED ON SITE.



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G. SAMIOS



**KOONDROOK - PERRICOOTA
FLOOD ENHANCEMENT**
SWAN LAGOON
REGULATOR ARRANGEMENT
UPSTREAM

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