



VIEW OF BRIDGE FROM NARROW WATER CASTLE ESTATE
PHOTOMONTAGE NO.5



VIEW OF BRIDGE FROM FIRST FLOOR OF NARROW WATER CASTLE ESTATE
PHOTOMONTAGE NO.6



VIEW OF BRIDGE AND ADVANCED SIGNAGE (VMS OFF)
FROM A2 APPROCH TO ROUNABOUT (FROM NEWRY SIDE)
PHOTOMONTAGE NO.7

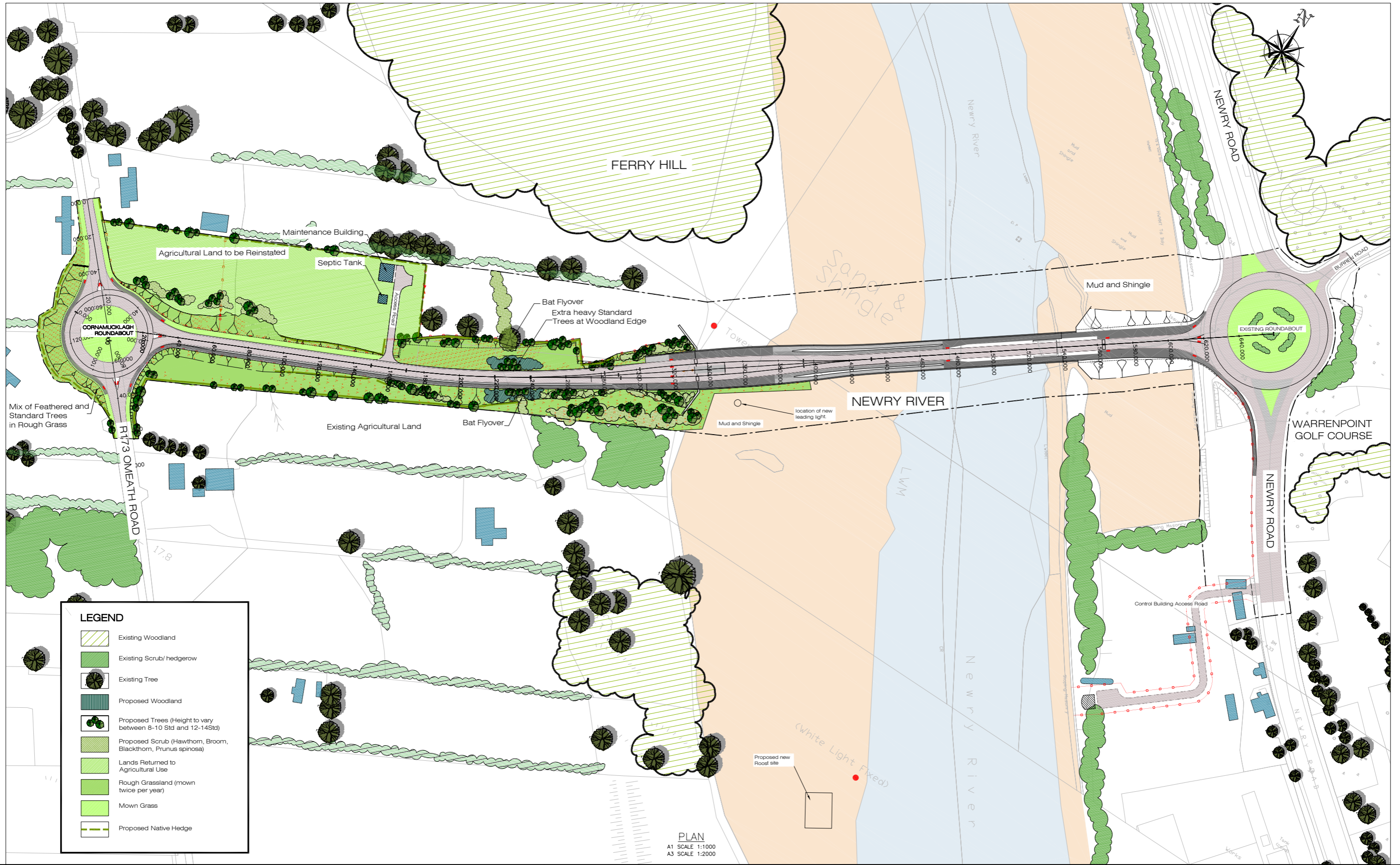


VIEW OF BRIDGE AND ADVANCED SIGNAGE (VMS ON)
FROM A2 APPROCH TO ROUNABOUT (FROM NEWRY SIDE)
PHOTOMONTAGE NO.8



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Project		Title	
NARROW WATER BRIDGE PROJECT		PHOTOMONTAGE NO.5 - NO.8	
ENVIRONMENTAL IMPACT STATEMENT / ENVIRONMENTAL STATEMENT		Designed: RMR	CAD File: 08.119 EIS
		Drawn: RE	Job No: 08.119
		Checked: BC	Scale: N.T.S
		Approved: TD	Date: JAN 2012
		Status: E.I.S.	Drawing No: FIG 8.6
			Rev:



LEGEND

	Existing Woodland
	Existing Scrub/hedgerow
	Existing Tree
	Proposed Woodland
	Proposed Trees (Height to vary between 8-10 Std and 12-14Std)
	Proposed Scrub (Hawthorn, Broom, Blackthorn, Prunus spinosa)
	Lands Returned to Agricultural Use
	Rough Grassland (mown twice per year)
	Mown Grass
	Proposed Native Hedge

PLAN
A1 SCALE 1:1000
A3 SCALE 1:2000

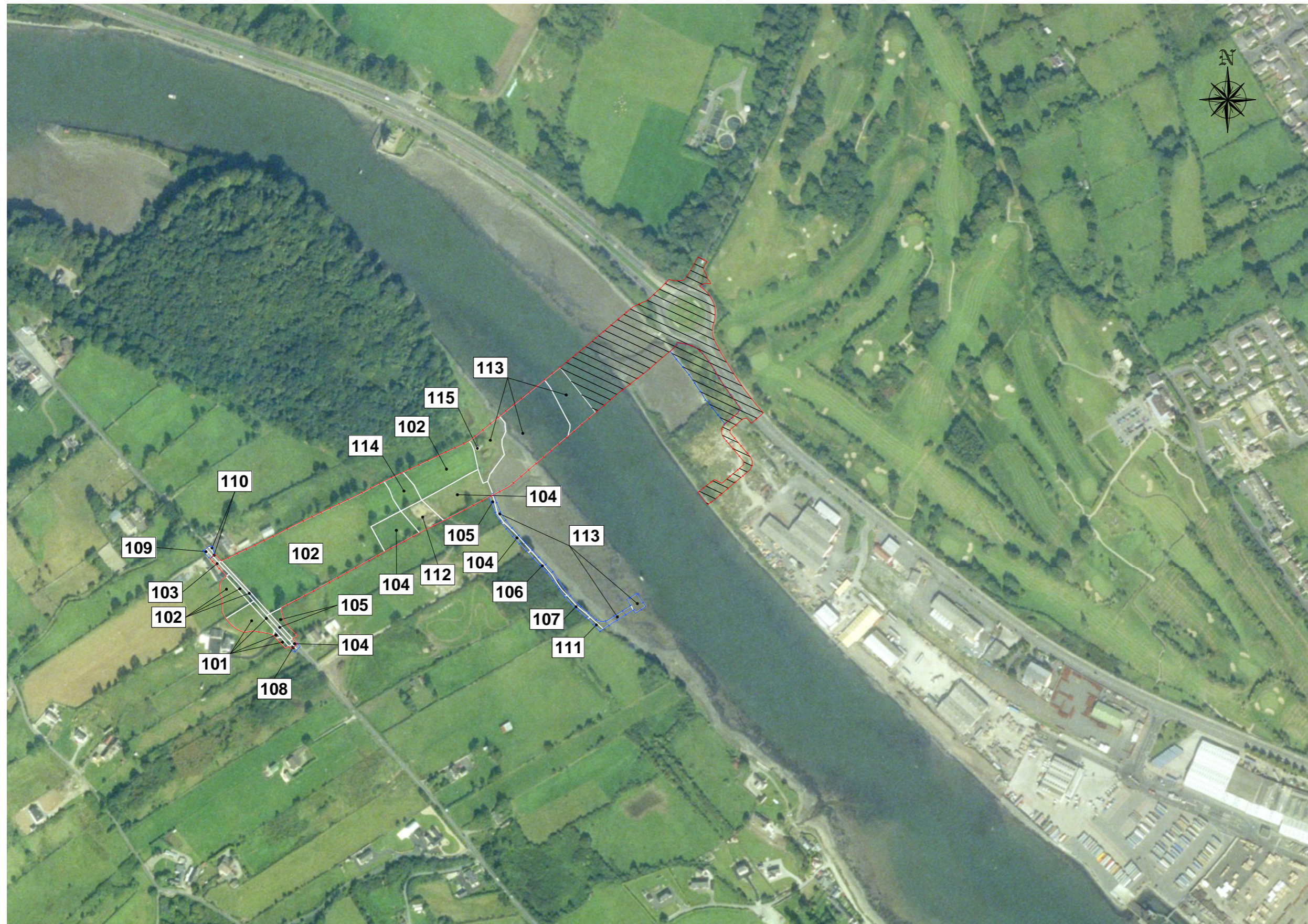


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NARROW WATER BRIDGE PROJECT
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Title LANDSCAPE MASTERPLAN	
Designed: RMR	CAD File: 08.119 EIS
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Status: E.I.S.	Drawing No: FIG 8.7



LEGEND:

- Temporary Fence
- CPO

NOTE:

LANDS IN COUNTY DOWN TO BE VESTED BY ROADS SERVICE

PLAN
 A1 SCALE 1:2500
 A3 SCALE 1:5000

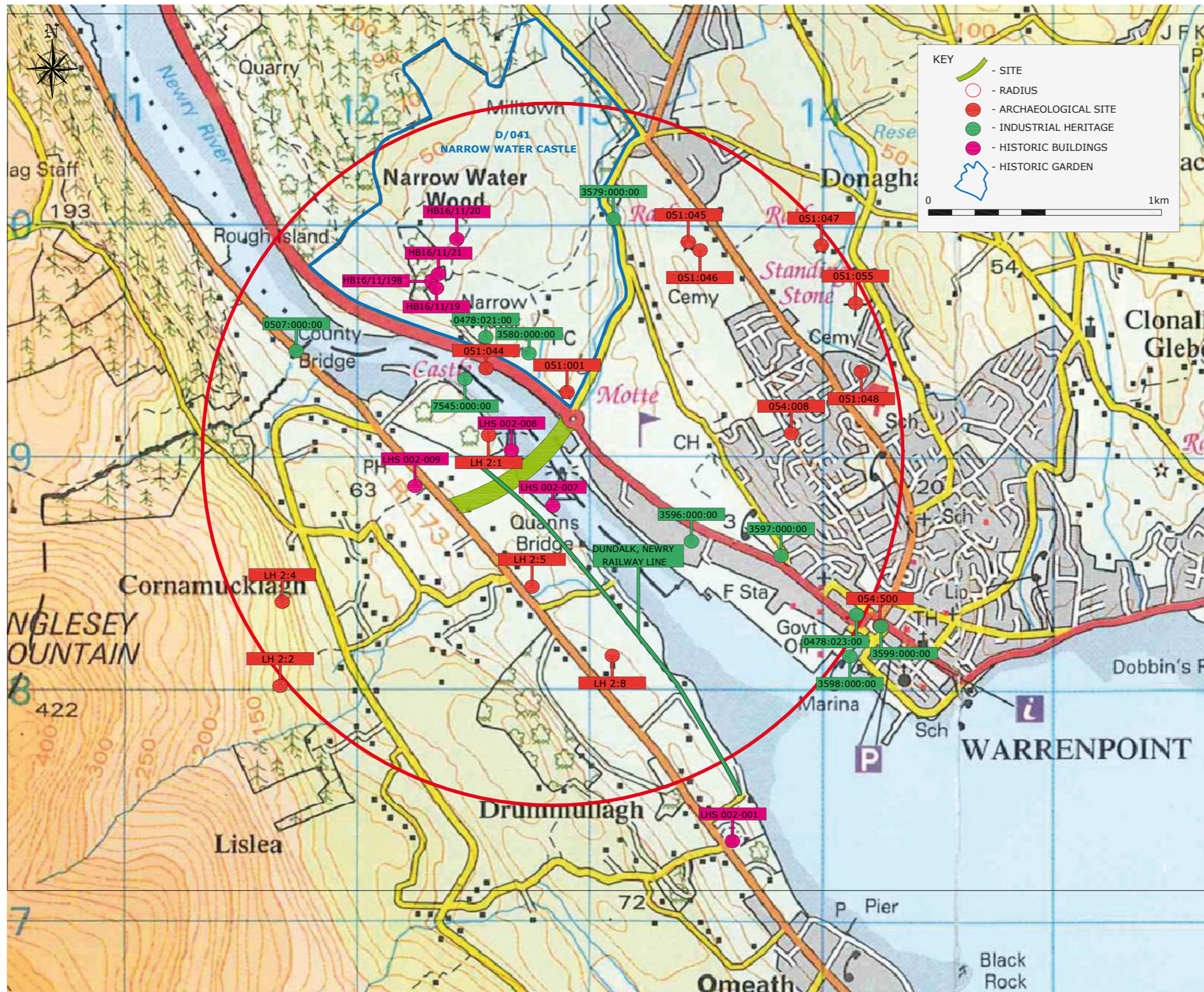


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LAND OWNERSHIP			
Designed:	RMR	CAD File:	08.119 EIS
Drawn:	RE	Job No:	08.119
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Approved:	TD	Date:	JAN 2012
Status:			E.I.S.
Drawing No:			FIG 9.1
Rev:			



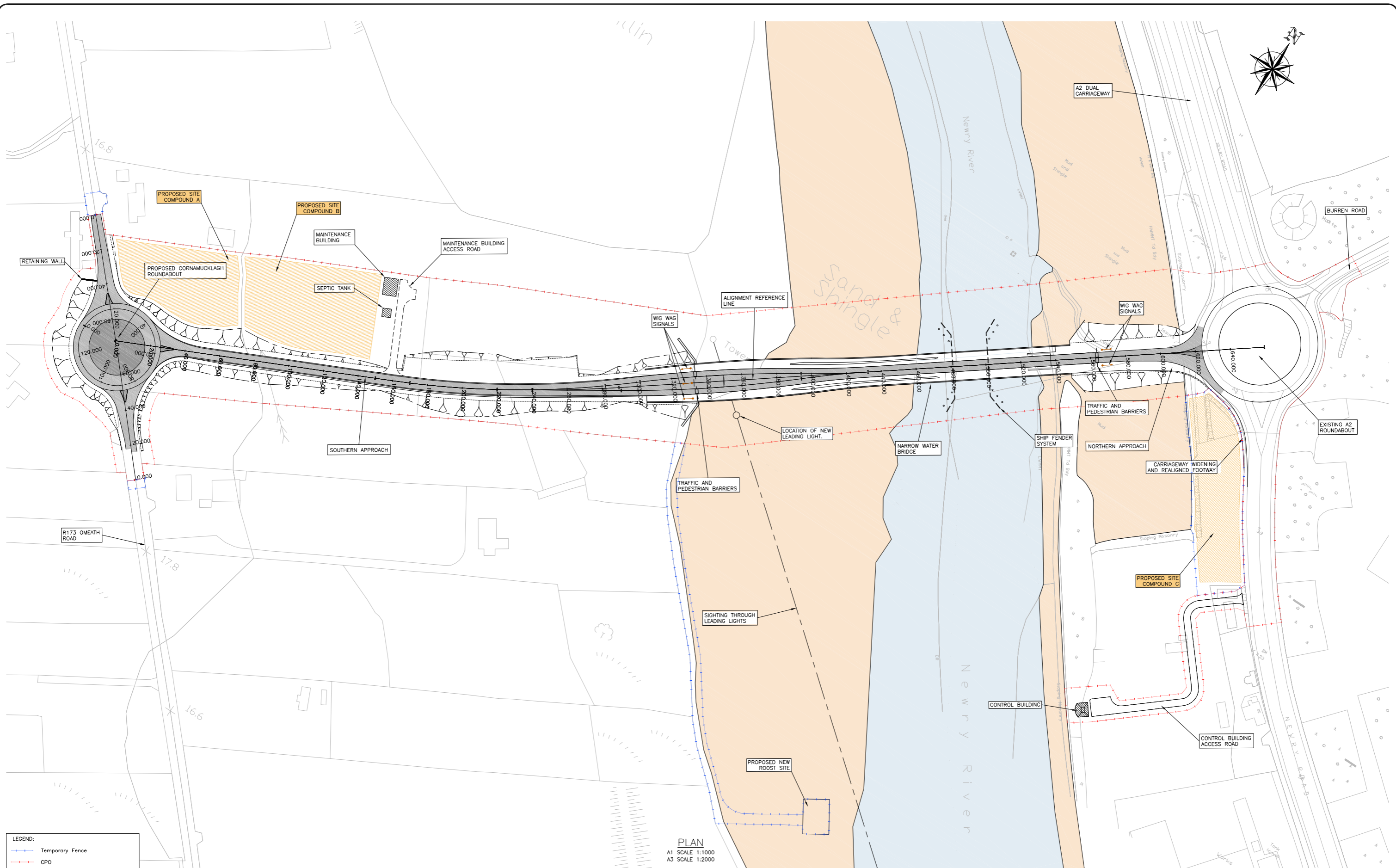
PLAN
 A1 SCALE 1:2500
 A3 SCALE 1:5000



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	ENVIRONMENTAL IMPACT STATEMENT / ENVIRONMENTAL STATEMENT	

Title			
CULTURAL HERITAGE SITES			
Designed: RMR	CAD File: 08.119 EIS	Status:	E.I.S.
Drawn: RE	Job No: 08.119		
Checked: BC	Scale: N.T.S	Drawing No:	FIG 10.1
Approved: TD	Date: JAN 2012	Rev:	



LEGEND:
 - - - - - Temporary Fence
 - - - - - CPO

PLAN
 A1 SCALE 1:1000
 A3 SCALE 1:2000

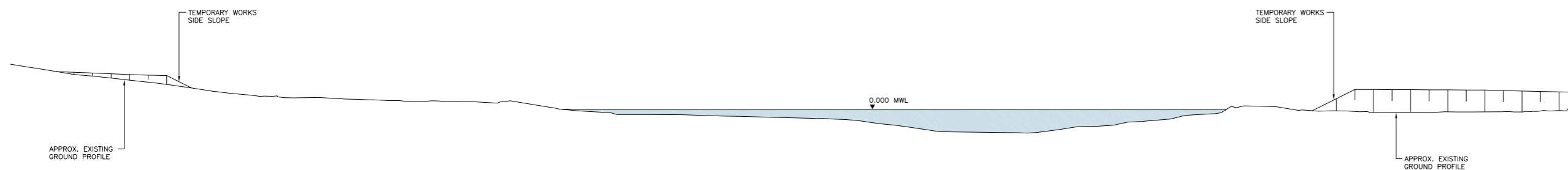


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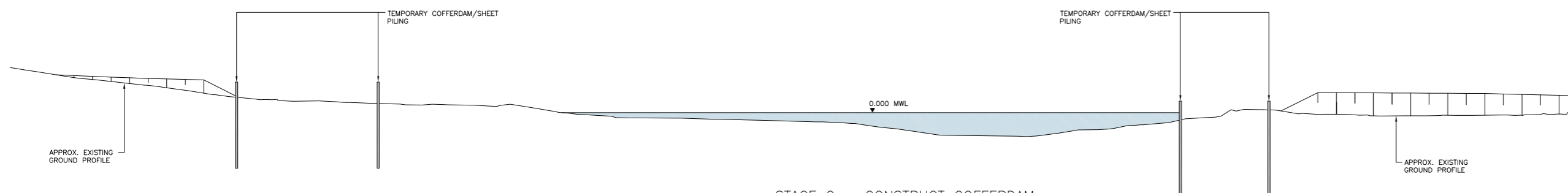
Project
NARROW WATER BRIDGE PROJECT
ENVIRONMENTAL IMPACT STATEMENT / ENVIRONMENTAL STATEMENT

Title			
PROPOSED CONSTRUCTION COMPOUNDS			
Designed: RMR	CAD File: 08.119 EIS	Status:	E.I.S.
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STAGE 1 – CONSTRUCT EMBANKMENTS
 A1 SCALE 1:500
 A3 SCALE 1:1000

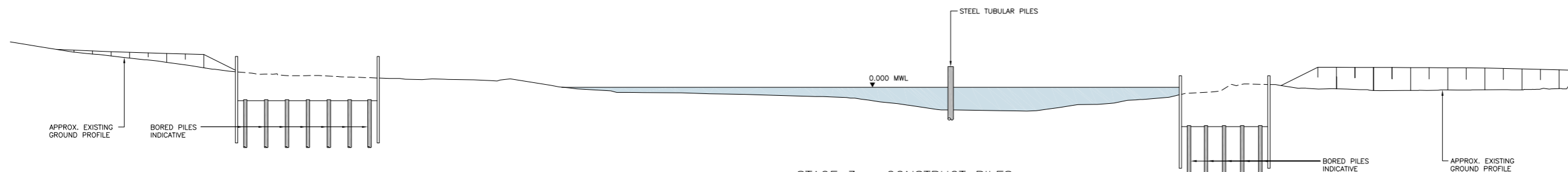
1.1) FORMATION LAYER FOR APPROACH EMBANKMENT TO BE AGREED WITH ENGINEER.



STAGE 2 – CONSTRUCT COFFERDAM
 A1 SCALE 1:500
 A3 SCALE 1:1000

2.1) DETAILS OF TEMPORARY WORKS COFFERDAM SHALL BE DESIGNED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

2.1) ALL TEMPORARY WORKS IN THE RIVER SHALL BE AGREED WITH LOUGHS AGENCY AND OTHER RELEVANT STATUTORY BODIES.



STAGE 3 – CONSTRUCT PILES
 A1 SCALE 1:500
 A3 SCALE 1:1000

3.1) DETAILS OF DRIVING STEEL TUBULAR PILES SHALL BE SUBMITTED TO THE ENGINEER.

3.2) DETAILS OF STATIC AND DYNAMIC TESTING OF PILES SHALL BE FORWARDED TO THE ENGINEER.



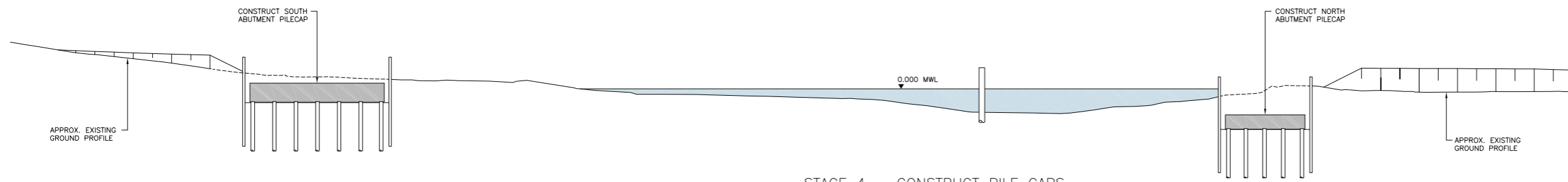
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Project **NARROW WATER BRIDGE PROJECT**

ENVIRONMENTAL IMPACT STATEMENT / ENVIRONMENTAL STATEMENT

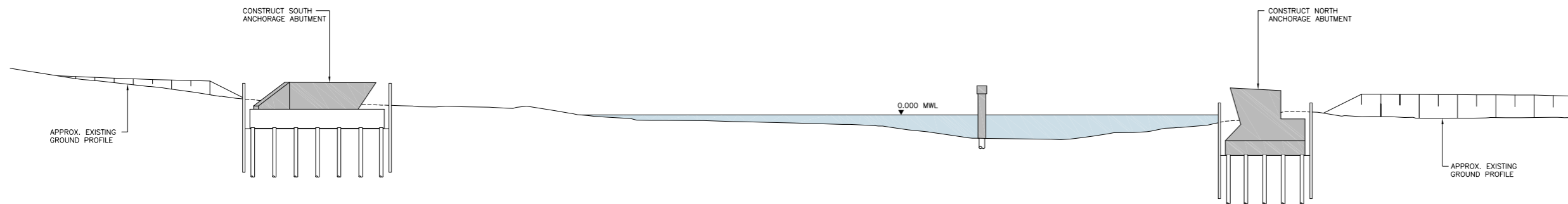
Title **INDICATIVE BRIDGE CONSTRUCTION SEQUENCE SHEET 1 OF 6**

Designed: RMR	CAD File: 08.119 EIS	Status: E.I.S.
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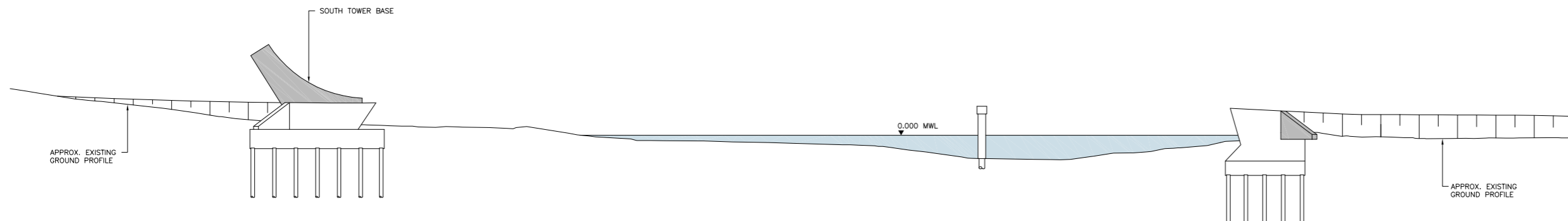
STAGE 4 – CONSTRUCT PILE CAPS
 A1 SCALE 1:500
 A3 SCALE 1:1000

4.1) THE CONCRETE PILE CAP SHALL REACH A MINIMUM STRENGTH OF 40 N/mm² PRIOR TO PROGRESSING TO STAGE 5.



STAGE 5 – CONSTRUCT ANCHORAGE BLOCKS AND CENTRAL PIER
 A1 SCALE 1:500
 A3 SCALE 1:1000

5.1) NORTH AND SOUTH ANCHORAGE ABUTMENTS SHALL REACH A MINIMUM CONCRETE STRENGTH OF 40 N/mm² PRIOR TO PROGRESSING TO STAGE 6.



STAGE 6 – CONSTRUCT SOUTH TOWER BASE
 A1 SCALE 1:500
 A3 SCALE 1:1000

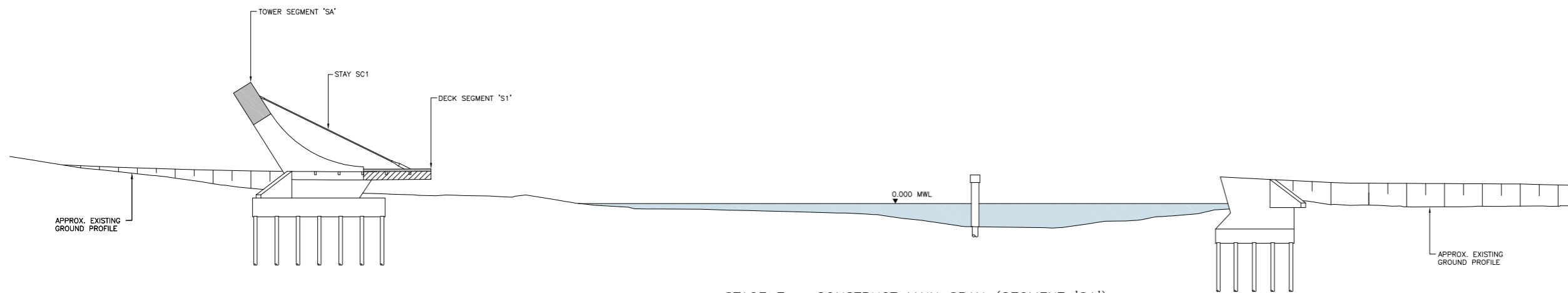
6.1) SETTING OUT DETAILS FOR SOUTH TOWER SHALL BE APPROVED BY THE ENGINEER.



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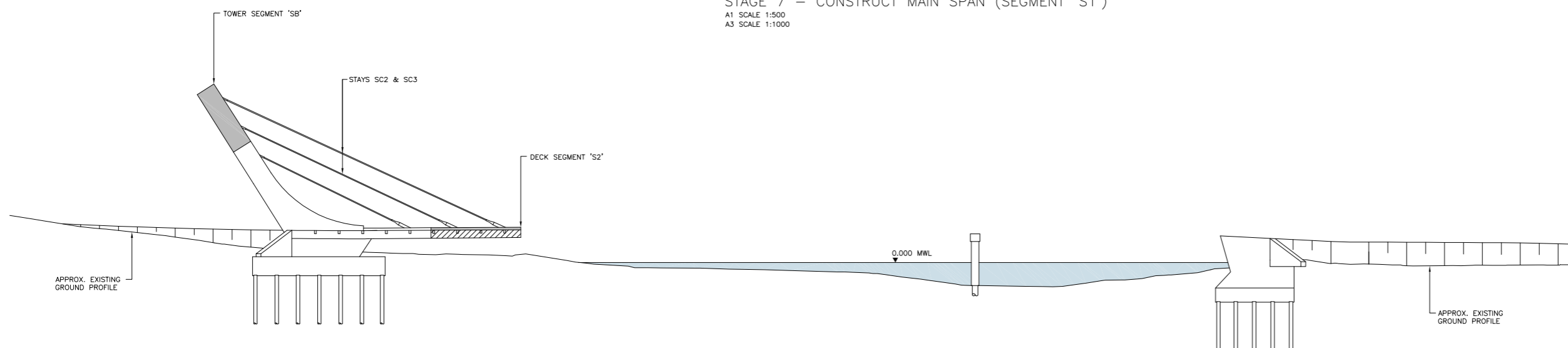
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INDICATIVE BRIDGE CONSTRUCTION SEQUENCE SHEET 2 OF 6			
Designed:	RMR	CAD File:	08.119 EIS
Drawn:	RE	Job No:	08.119
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			Status:
			E.I.S.
			Drawing No:
			FIG 11.3
			Rev:



STAGE 7 – CONSTRUCT MAIN SPAN (SEGMENT 'S1')

A1 SCALE 1:500
A3 SCALE 1:1000

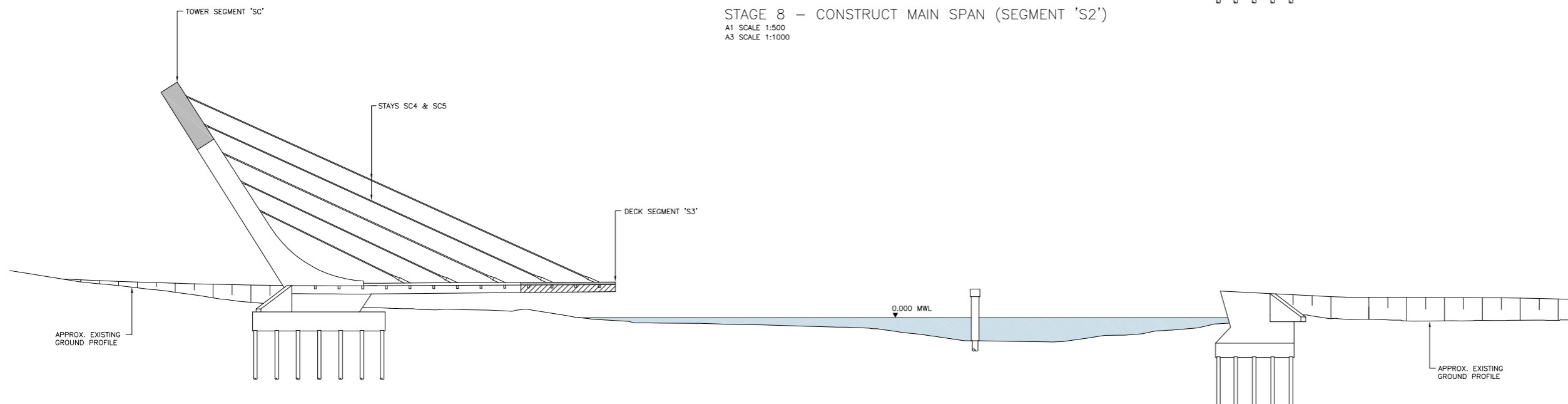
- 7.1) CONSTRUCT TOWER SEGMENT NO. SA.
- 7.2) ERECT DECK SEGMENT NO. S1 ON CRANE.
- 7.3) ADD COUNTERWEIGHT IN TOWER.
- 7.4) INSTALL AND STRESS STAY 1.
- 7.5) RECORD DECK LEVELS AND SUBMIT TO ENGINEER.
- 7.6) CONSTRUCT TOWER SEGMENT NO. S1.



STAGE 8 – CONSTRUCT MAIN SPAN (SEGMENT 'S2')

A1 SCALE 1:500
A3 SCALE 1:1000

- 8.1) CONSTRUCT TOWER SEGMENT NO. SB.
- 8.2) ERECT DECK SEGMENT NO. S2 ON CRANE.
- 8.3) ADD COUNTERWEIGHT IN TOWER.
- 8.4) INSTALL AND STRESS STAYS 2 & 3.
- 8.5) RECORD DECK LEVELS AND SUBMIT TO ENGINEER.
- 8.6) ADJUST CABLE STAYS AS INSTRUCTED BY ENGINEER.



STAGE 9 – CONSTRUCT MAIN SPAN (SEGMENT 'S3')

A1 SCALE 1:500
A3 SCALE 1:1000

- 9.1) CONSTRUCT TOWER SEGMENT NO. SC.
- 9.2) ERECT DECK SEGMENT NO. S3 ON CRANE.
- 9.3) ADD COUNTERWEIGHT IN TOWER.
- 9.4) INSTALL AND STRESS STAYS 4 & 5.
- 9.5) RECORD DECK LEVELS AND SUBMIT TO ENGINEER.
- 9.6) ADJUST CABLE STAYS AS INSTRUCTED BY ENGINEER.

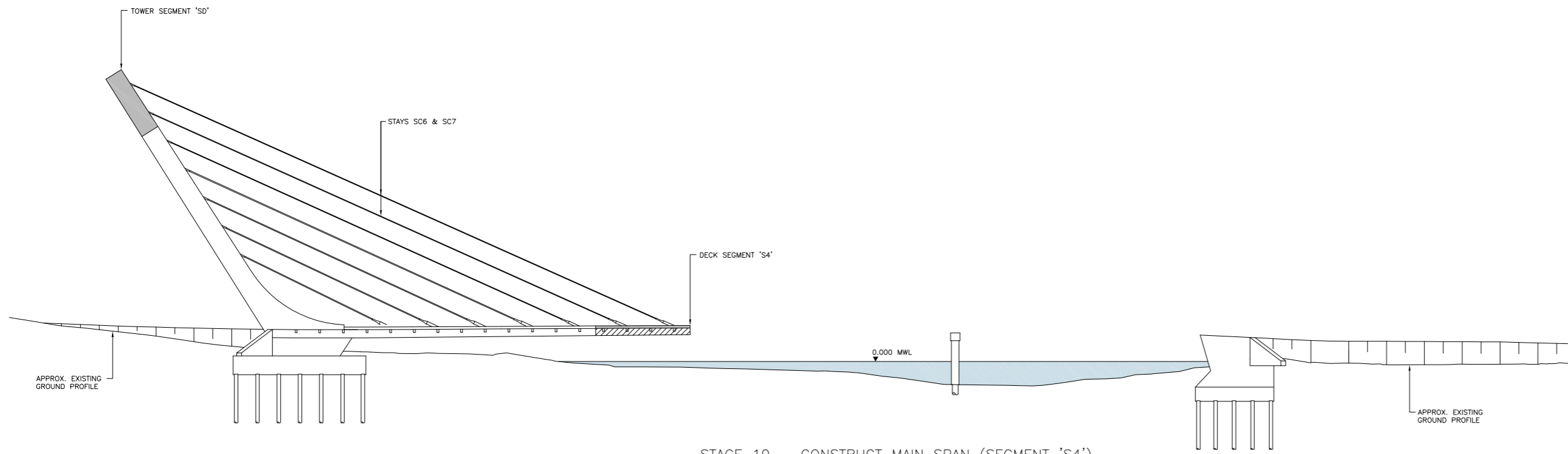


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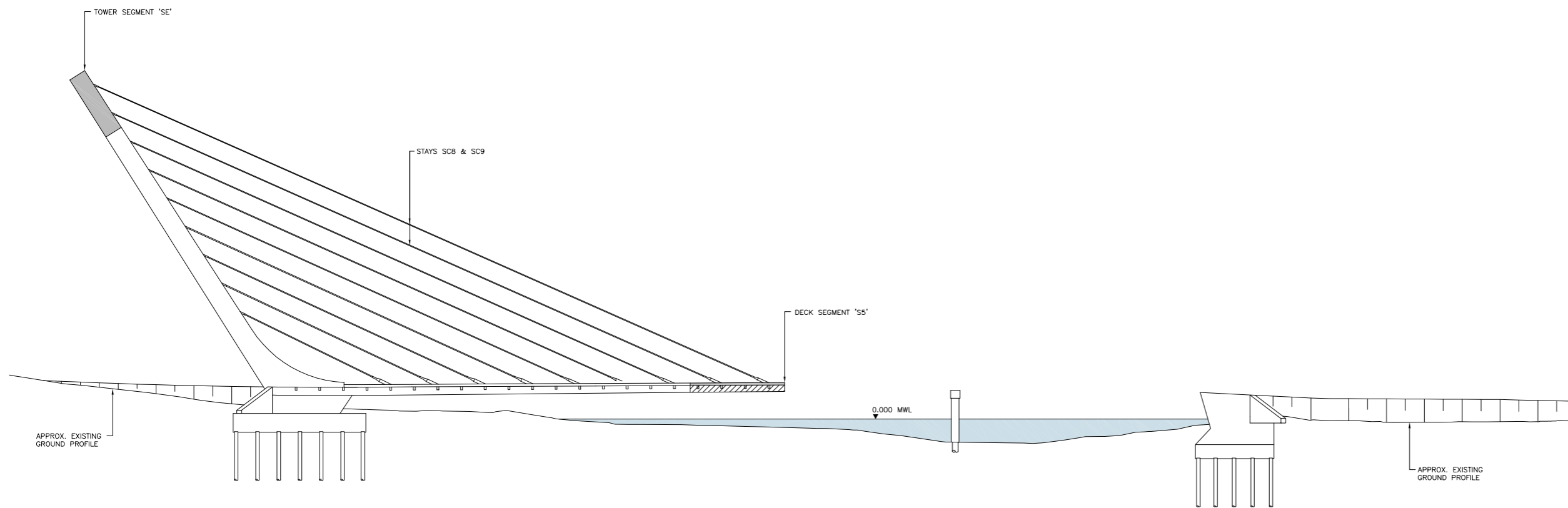
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INDICATIVE BRIDGE CONSTRUCTION SEQUENCE SHEET 3 OF 6			
Designed: RMR	CAD File: 08.119 EIS	Status:	E.I.S.
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STAGE 10 – CONSTRUCT MAIN SPAN (SEGMENT 'S4')
 A1 SCALE 1:500
 A3 SCALE 1:1000

- 10.1) CONSTRUCT TOWER SEGMENT NO. SD.
- 10.2) ERECT DECK SEGMENT NO. S4 ON CRANE.
- 10.3) ADD COUNTERWEIGHT IN TOWER.
- 10.4) INSTALL AND STRESS STAYS 6 & 7.
- 10.5) RECORD DECK LEVELS AND SUBMIT TO ENGINEER.
- 10.6) ADJUST CABLE STAYS AS INSTRUCTED BY ENGINEER.



STAGE 11 – CONSTRUCT MAIN SPAN (SEGMENT 'S5')
 A1 SCALE 1:500
 A3 SCALE 1:1000

- 11.1) CONSTRUCT TOWER SEGMENT NO. SE.
- 11.2) ERECT DECK SEGMENT NO. S5 ON CRANE.
- 11.3) ADD COUNTERWEIGHT IN TOWER.
- 11.4) INSTALL AND STRESS STAYS 8 & 9.
- 11.5) RECORD DECK LEVELS AND SUBMIT TO ENGINEER.
- 11.6) ADJUST CABLE STAYS AS INSTRUCTED BY ENGINEER.

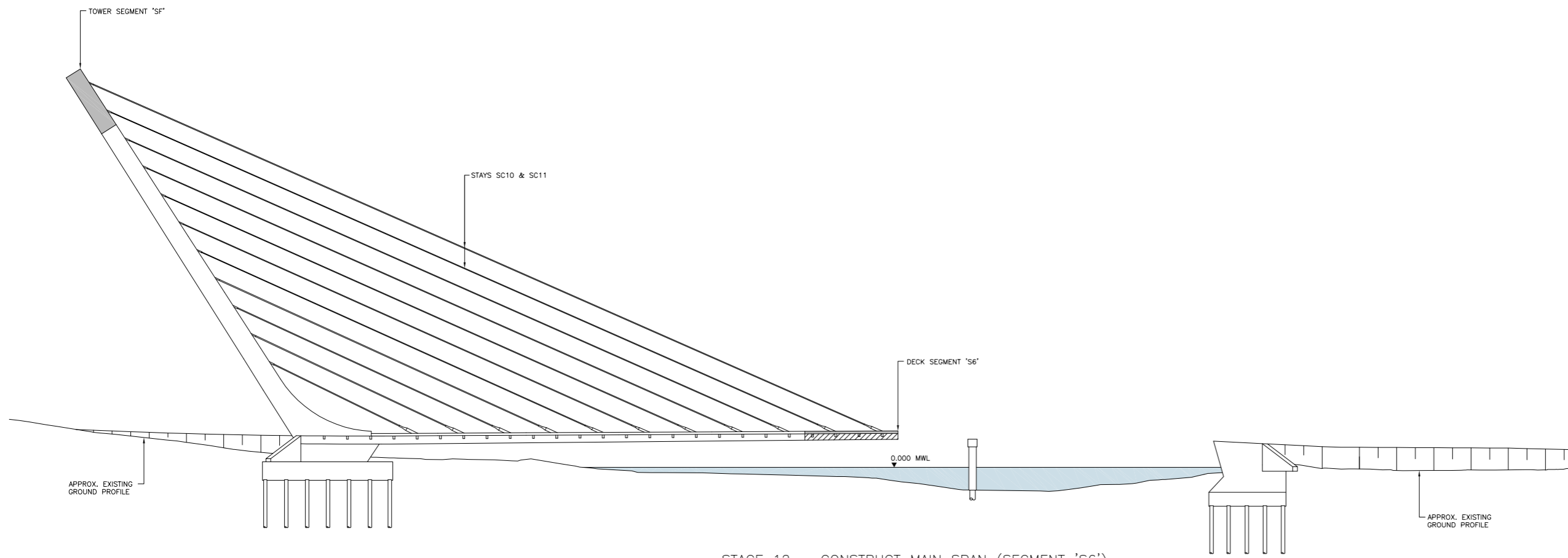


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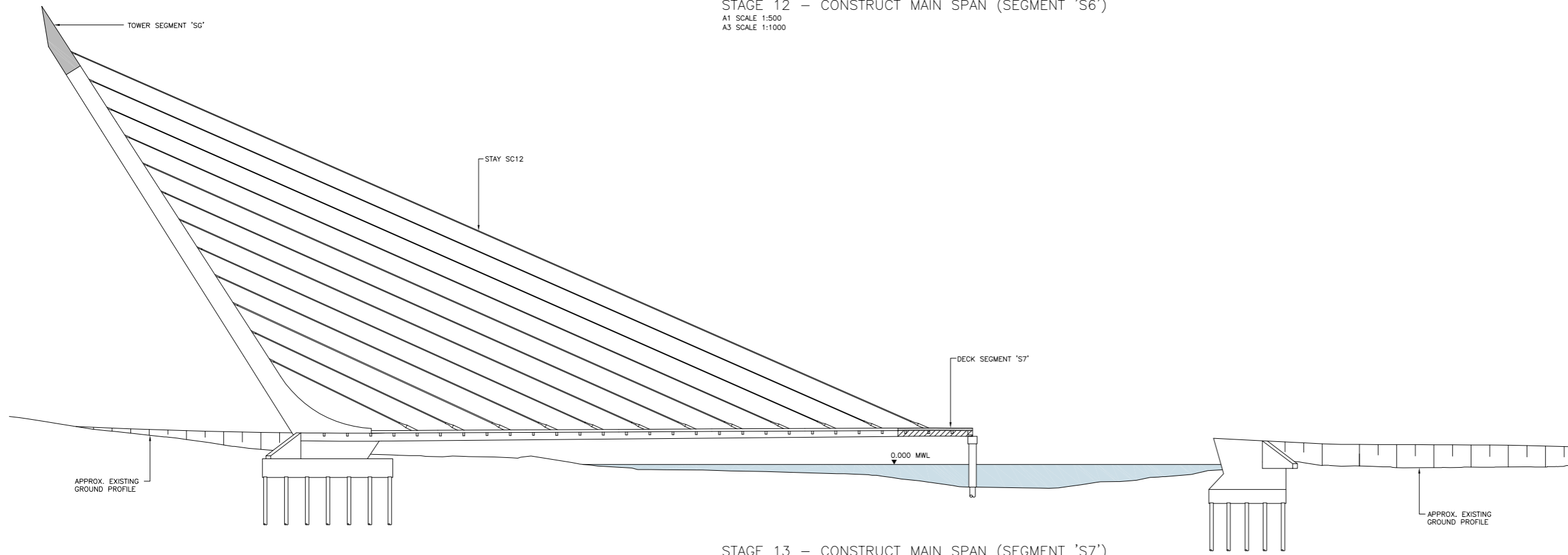
Title		INDICATIVE BRIDGE CONSTRUCTION SEQUENCE SHEET 4 OF 6	
Designed:	RMR	CAD File:	08.119 EIS
Drawn:	RE	Job No:	08.119
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Approved:	TD	Date:	JAN 2012
		Status:	E.I.S.
		Drawing No:	FIG 11.5
		Rev:	



- 12.1) CONSTRUCT TOWER SEGMENT NO. SF.
- 12.2) ERECT DECK SEGMENT NO. S6 ON CRANE.
- 12.3) ADD COUNTERWEIGHT IN TOWER.
- 12.4) INSTALL AND STRESS STAYS 10 & 12.
- 12.5) RECORD DECK LEVELS AND SUBMIT TO ENGINEER.
- 12.6) ADJUST CABLE STAYS AS INSTRUCTED BY ENGINEER.

STAGE 12 – CONSTRUCT MAIN SPAN (SEGMENT 'S6')

A1 SCALE 1:500
A3 SCALE 1:1000



- 13.1) CONSTRUCT TOWER SEGMENT NO. SG.
- 13.2) ERECT DECK SEGMENT NO. S7 ON CRANE.
- 13.3) ADD COUNTERWEIGHT IN TOWER.
- 13.4) INSTALL AND STRESS STAY 12.
- 13.5) RECORD DECK LEVELS AND SUBMIT TO ENGINEER.
- 13.6) ADJUST CABLE STAYS AS INSTRUCTED BY ENGINEER.

STAGE 13 – CONSTRUCT MAIN SPAN (SEGMENT 'S7')

A1 SCALE 1:500
A3 SCALE 1:1000



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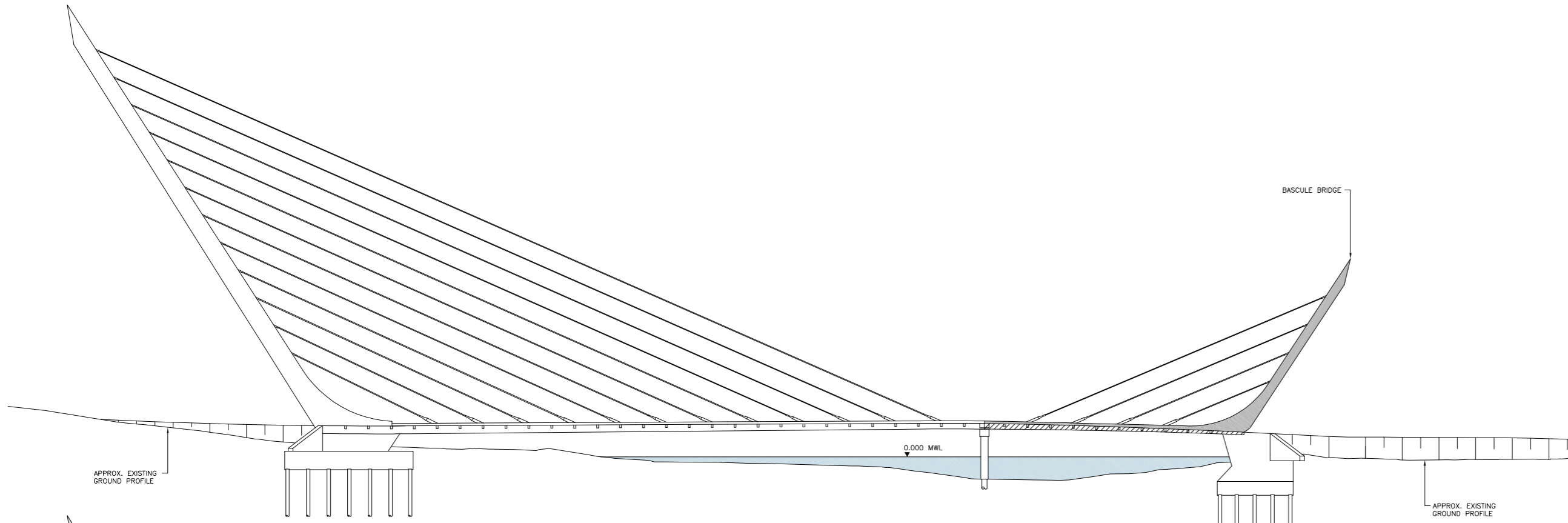
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ENVIRONMENTAL IMPACT STATEMENT / ENVIRONMENTAL STATEMENT

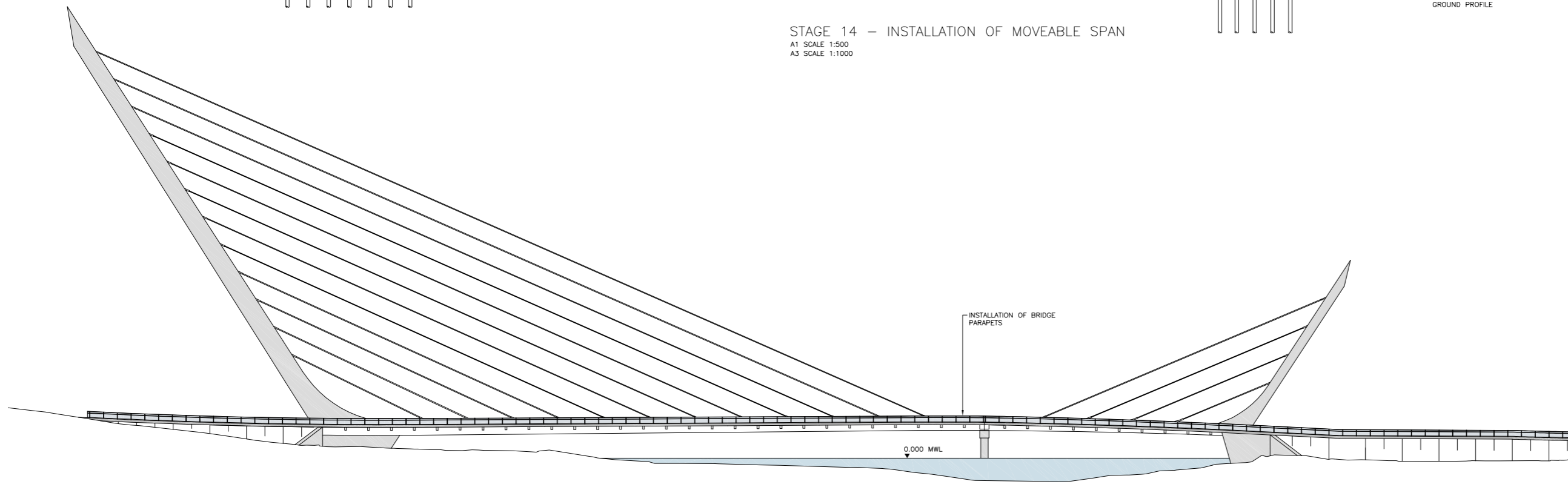
Title **INDICATIVE BRIDGE CONSTRUCTION SEQUENCE SHEET 5 OF 6**

Designed: RMR	CAD File: 08.119 EIS	Status: E.I.S.
Drawn: RE	Job No: 08.119	
Checked: BC	Scale: AS SHOWN	Drawing No: FIG 11.6
Approved: TD	Date: JAN 2012	



- 16.1) ROLLING BASCULE SPAN SHALL INSTALLED IN ONE PIECE.
- 16.2) RECORD DECK LEVELS AND SUBMIT TO ENGINEER.
- 16.3) ADJUST CABLE STAYS AS INSTRUCTED BY ENGINEER.

STAGE 14 – INSTALLATION OF MOVEABLE SPAN
 A1 SCALE 1:500
 A3 SCALE 1:1000



- 17.1) FINAL TENSIONING OF CABLE STAYS.
- 17.2) ERECT ALL BRIDGE FINISHES.
- 17.3) RECORD ALL DECK LEVELS AND SUBMIT TO ENGINEER.
- 17.4) ADJUST CABLE STAYS IF INSTRUCTED BY ENGINEER.

STAGE 15 – CONSTRUCT BRIDGE FINISHES
 A1 SCALE 1:500
 A3 SCALE 1:1000



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INDICATIVE BRIDGE CONSTRUCTION SEQUENCE SHEET 6 OF 6			
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