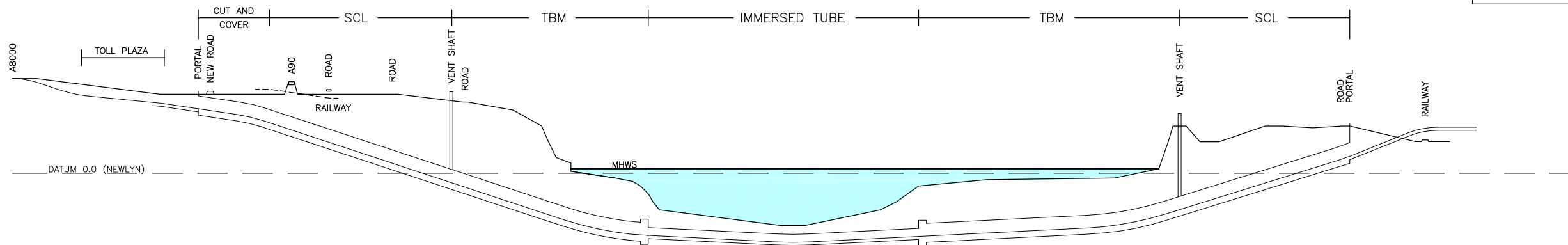




PLAN

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CHAINAGE	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000	6200	6400	6600	6800	7000	7200	7400	7600	7800	8000	8200	8400	8600	8800	9000	9200	9400	9600	9800	10000	10200	10400
LEVEL	44.11	41.13	38.13	34.13	27.59	21.01	14.43	7.85	1.27	-5.31	-11.89	-18.47	-25.06	-31.51	-36.21	-38.90	-39.90	-40.90	-41.90	-42.90	-43.52	-42.67	-41.67	-40.67	-39.67	-38.67	-37.67	-36.67	-35.67	-34.67	-33.03	-29.38	-23.67	-17.46	-11.25	-5.04	1.17	7.38	14.75	22.75	28.87	29.10	29.20
VERTICAL ALIGNMENT	CREST CURVE P = -1.5%		CREST CURVE P = -1.5%		CREST CURVE P = -3.3%		SAG CURVE		SAG CURVE P = -0.50%		SAG CURVE		SAG CURVE P = 0.50%		SAG CURVE		SAG CURVE P = 3.0%		SAG CURVE P = 4.0%		CREST CURVE		CREST CURVE		CREST CURVE		CREST CURVE		CREST CURVE		CREST CURVE		CREST CURVE		CREST CURVE		CREST CURVE		CREST CURVE				
HORIZONTAL ALIGNMENT	STRAIGHT		CR 1050m R		CR 5000m R		CR 3130m R		STRAIGHT		STRAIGHT		STRAIGHT		STRAIGHT		STRAIGHT		STRAIGHT		STRAIGHT		STRAIGHT		STRAIGHT		STRAIGHT		STRAIGHT		STRAIGHT		STRAIGHT		STRAIGHT		STRAIGHT		STRAIGHT				

PROFILES VERTICAL / HORIZONTAL DISTORTION 10:1

Client

**JACOBS CONSULTANCY**  
**FABER MAUNSELL | AECOM**  
**Grant Thornton**  
**TRIBAL**

3	19.06.07	FINAL	NAR	JP	IWD
2	08.06.07	2 <sup>nd</sup> DRAFT - SOUTH PORTAL MOVED NORTH NETWORK REVISED	NAR	JP	IWD
Rev	Date	Purpose of Revision	Drawn	Check	App.
Drawn	NAR	Checked JP	Approved	IWD	
Scale	1:30,000 @ A3	Status	FINAL	Date	MAY 2007

Project **FORTH REPLACEMENT CROSSING STUDY**

Title **TUNNEL CROSSING E  
TUNNEL PLAN AND PROFILE**

Project No. **49550** Drawing No. **T/BE1/01** Rev. **3**