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Queensland Railways

Office of Commissioner for Railways

Brisbane

22nd September, 1982.

CIRCULAR MEMO. No. 1/82

OPENING OF LOTA-THORNESIDE BRANCH RAILWAY

GENERAL DESCRIPTION

A new railway of total track length 3.2 km, including a turning triangle and passing loop, has been constructed from the existing suburban line at Lota (20.820 km) to the new station Thorneside (22.580 km - distance from Park Road).

The line will be opened for traffic on Saturday, 25th September, 1982.

ROUTE OF RAILWAY

From Lota the new railway line runs in a south easterly direction to Thorneside. The line traverses mostly flat swamp terrain except for one large cutting.

Road access is gained to Thorneside Station by Railway Parade on the northern side of the station.

GRADING

The ruling grade in both directions is 1 in 80.

CURVATURE

The minimum radius of the new railway is 825 metres.

BRIDGES AND CULVERTS

There are two (2) rail bridges on the line across Tingalpa and Lota Creeks with two (2) culverts on the turning triangle at Thorneside. Prestressed concrete with ballasted deck bridges have been provided.

TRACK CONSTRUCTION

The track is laid with 47 kg rails welded into 110 metre lengths. 225mm x 115mm sleepers have been used at the rate of 1640 per kilometre. Ballast consists of 200mm of crushed rock under 115mm deep sleepers.

The railway has been fenced throughout.

SIDING AND TRIANGLE

A passing loop on the northern side and a triangle on the southern side of Thorneside Station have been provided at 22.360 km to 22.900 km (from Park Road).

TRAIN SPEEDS

Standard speed boards have been erected on the railway and the maximum speed of trains in both directions will be 80 km/hr.

TRAIN LOADS

The train loads for the new line to Thorneside will be the same loads as shown for the section Mayne - Lota in the Supplement to the Working Time Tables.

LEVEL CROSSINGS

There are no level crossings over the new section of line.

STATION

The attached Plans Appendices 1 and 2 illustrate track facilities on the new section and interim signalling arrangements provided at Thorneside.

SAFE WORKING

Ordinary staff and ticket working (Red Diamond Staff) will operate on the section Lota - Thorneside on Saturday, 25th September but on Sunday, 26th September the train staff section will be changed to Manly - Thorneside and a blue round staff will be utilised on this section. The necessary arrangements for the closing of the section Manly - Lota and Lota - Thorneside and opening of the new section Manly - Thorneside will be made by the General Manager, Brisbane.

WORKING OF THORNESIDE

Thorneside will be worked as an unattended staff station with a Station-mistress in charge. A Train Staff Cabinet is provided, and all trains will arrive and depart under the provisions of Rule 229 or 442. The Supervising Station is Manly. The Station-master, Manly, will issue Form 22001 and 22007 to the trainmen of all "Up" trains, and show thereon particulars for the consequential "Down" train Thorneside to Manly.

GENERAL TRAFFIC TO AND FROM THORNESIDE

Parcel traffic will be conveyed to and from Thorneside and goods of a light nature which can be conveyed in the brake van will also be accepted for consignment to Thorneside.

COMMUNICATIONS

A control phone is erected on the Up Home signal and control and omnibus phones are provided at a telephone cabinet adjacent to the lever frame and in the station office.

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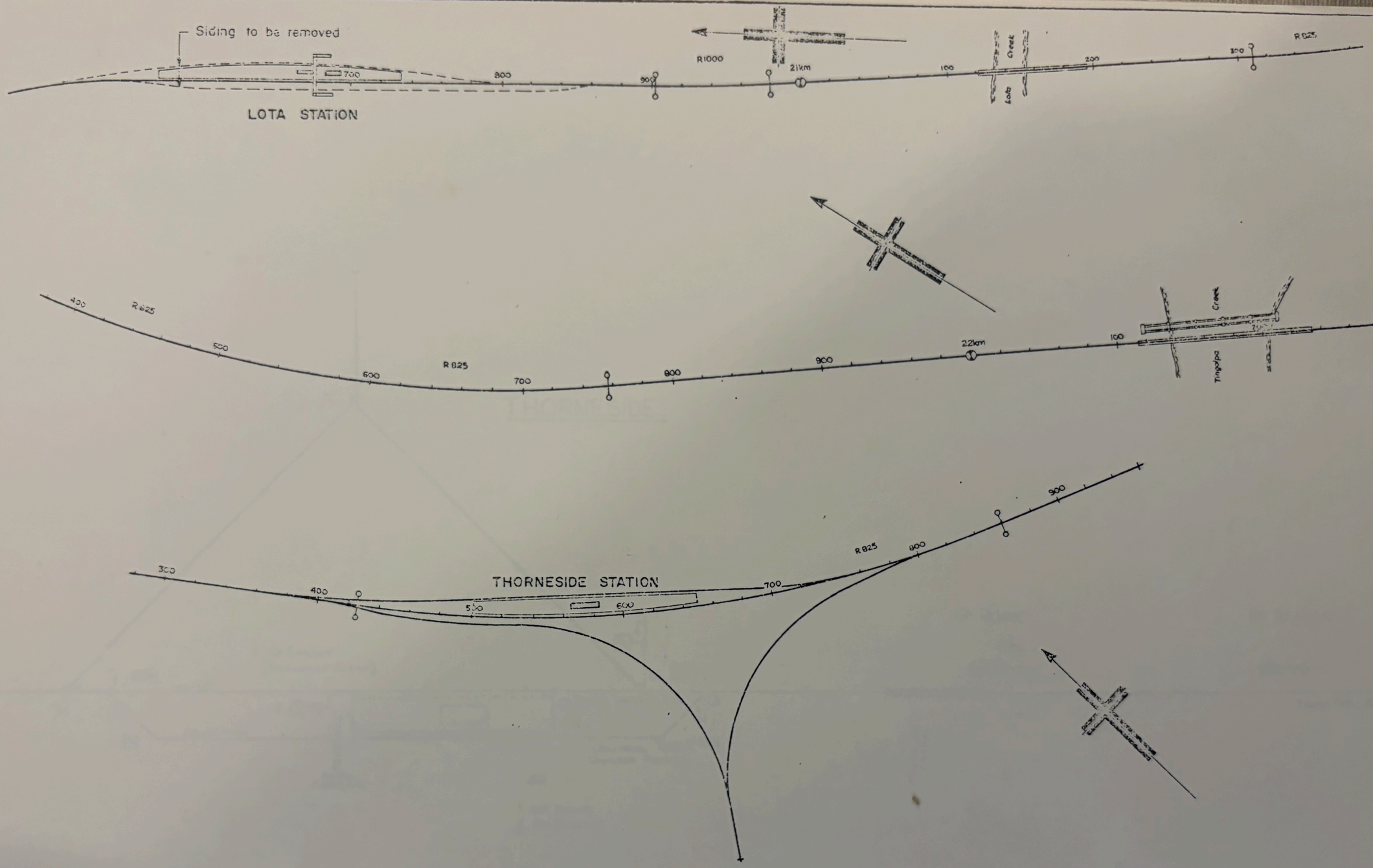
IPSWICH
East Ipswich

TRACK MAINTENANCE

Maintenance of the new line is under the control of the Maintenance Engineer, Brisbane and is included in the area covered by the Permanent Way Inspector, Roma Street (South Side).

Deputy Commissioner
and Secretary

APENDIX 1



	SCALE: N. T. S.		ALTERATIONS				CALCS		RECOMMENDED
		W.A.F.K	DETAILS	C'K'D	DATE		C'K'D.		
DRAWING NUMBER							DRAWN	17/9/32	DATE
SPE 158							C'K'D		APPROVED
							PASSED		
							SUBM'T'D		CHIEF ENGINEER
									DATE

QUEENSLAND RAILWAYS — CHIEF ENGINEER'S BRANCH

LOTA - THORNESIDE

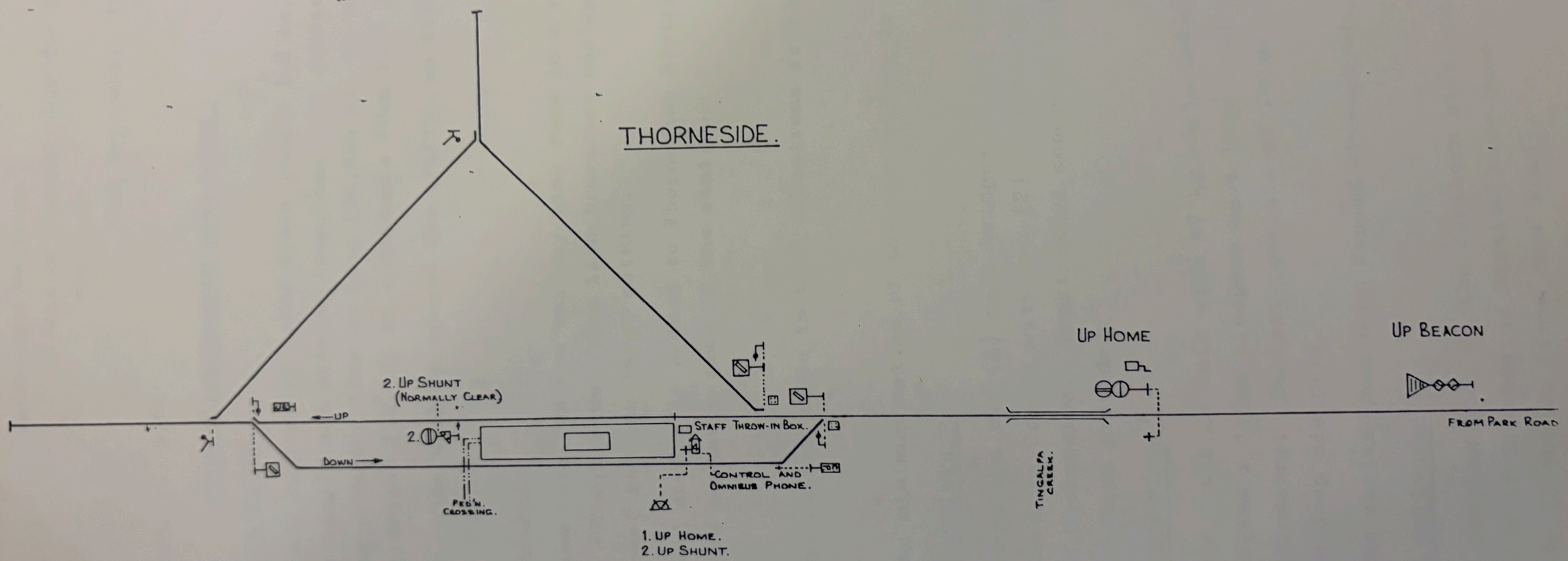
THORNESIDE EXTENSION

DRAWING NUMBER

SPE 158

APENDIX 2

THORNESIDE.



D Evans
SIG. & COM. ENGINEER.
DATE 13.8.82.

CD 1685 N.
B.J.M. 12.8.82.