

d) Pedestrian Survey

55. The hourly volume of passengers walking on the side walk was surveyed at 15 locations of roads inner port. The large passenger traffic is recorded at all survey points at the earlier morning time and the late evening time. The larger passenger traffic at points were remarkable, which need the wider walkway than the existing width of walkway along the road.

♦ Jl. Perintis 1	: 3,156 persons/hour
♦ Jl. Nusantara II	: 7,591 persons/hour
♦ Jl. Pantian	: 1,324 persons/hour
♦ Jl. Pabean	: 3,020 persons/hour

56. The required width of walkway for pedestrian traffic is estimated by the following formula:

$w = \frac{P}{35} + 1.5$, as established by the Ministry of Public Works, Directorate General of Highways.

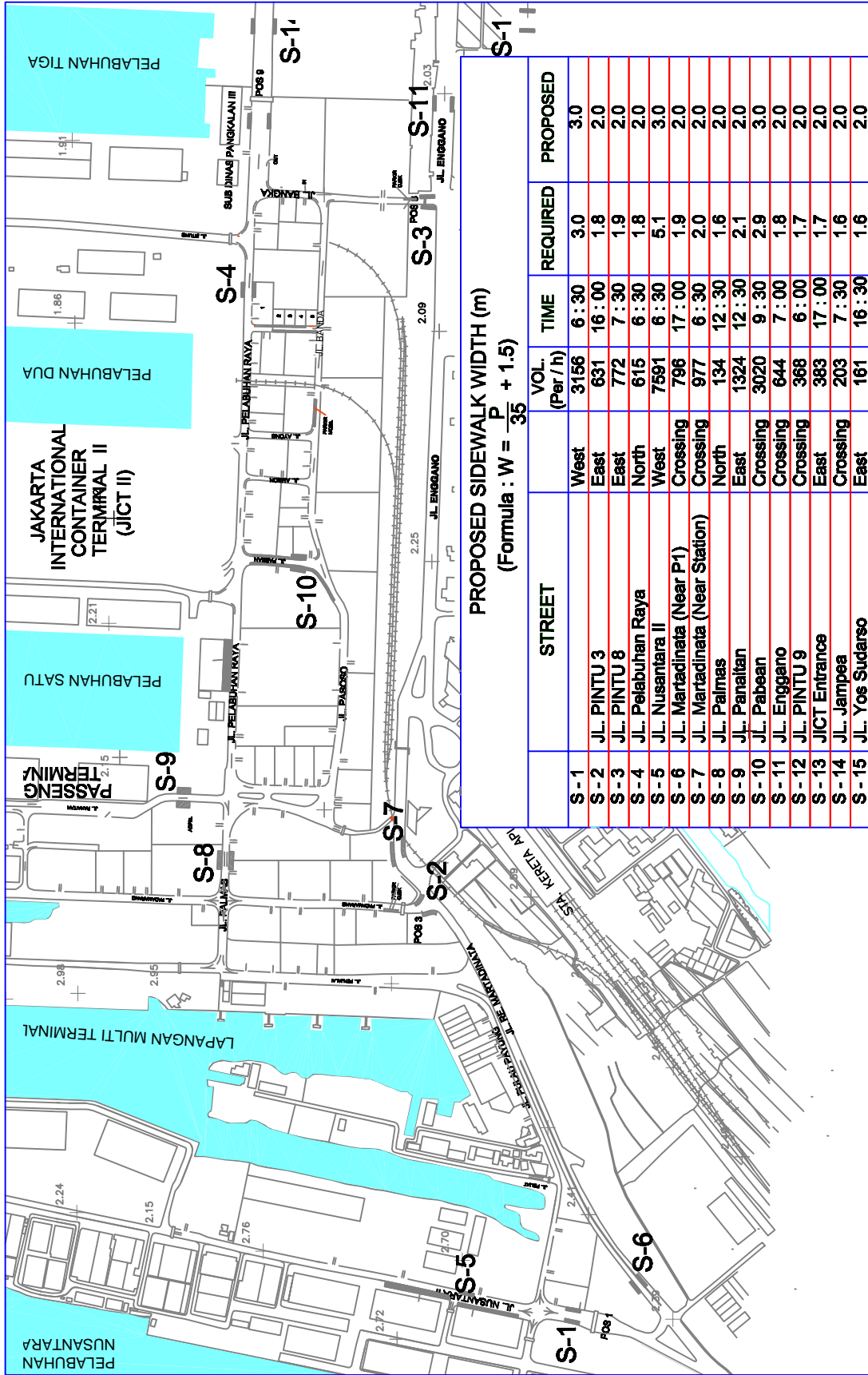
The passenger traffic volume at 15 locations and required width for the side walkway is shown in Figure 14-B-7.

Figure 14-B-7 Inside Port Pedestrian Survey

2) Proposed Improvement Plan of Inner Port Road

57. Based on the result of the above survey traffic movement, the following improvement plans at the target year of 2008, (same as Urgent Rehabilitation Project) are proposed. The proposed plan is to make one-way traffic flow by improving road width and increasing the number of traffic lanes.

- Construction of the Viaduct for one-way traffic at Jl. Pulau Payung
- New access road by extending from Jl. Pulau Payung to Jl. Pasoso through the Gate3.
- Gate-3 is closed to vehicles from outside.
- Widening the existing Jl. Padamarang and converting Jl. Penjalai to a backup area of MTI terminal. The present backup area of MTI wharf is narrow and congested with cargo handling vehicles and through traffic on the road (Jl. Penjalai) behind the wharf.
- The intersection from gate No.1 to Jl. Nusantara is modified for better traffic management of interchange flows with East – West direction and North – South direction.
- Demolition of Jl. Ambon to provide an open space for cargo storage area. Existing office buildings are integrated one location in high buildings.
- The proposed number of lanes in the major road is as follows :



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INSIDE PORT PEDESTRIAN SURVEY

Jl. Pelabuhan Raya Jl. Pasoso, Jl. Ayong	3 lanes	one-way
Jl. Padamarang (behind MTI)	4 lanes	
Jl. Padaramng (North from MTI)	2 lanes	
Jl. Nusantara – Gate-1 Jl. Pabean	2 lanes	2 ways
Jl. Pabean, Jl. Kalimantan	2 lanes	one-way
Jl. Bangka	5 lanes	one-way
Jl. Pelabuhan Raya – Gate-9	2 + 4 lanes	

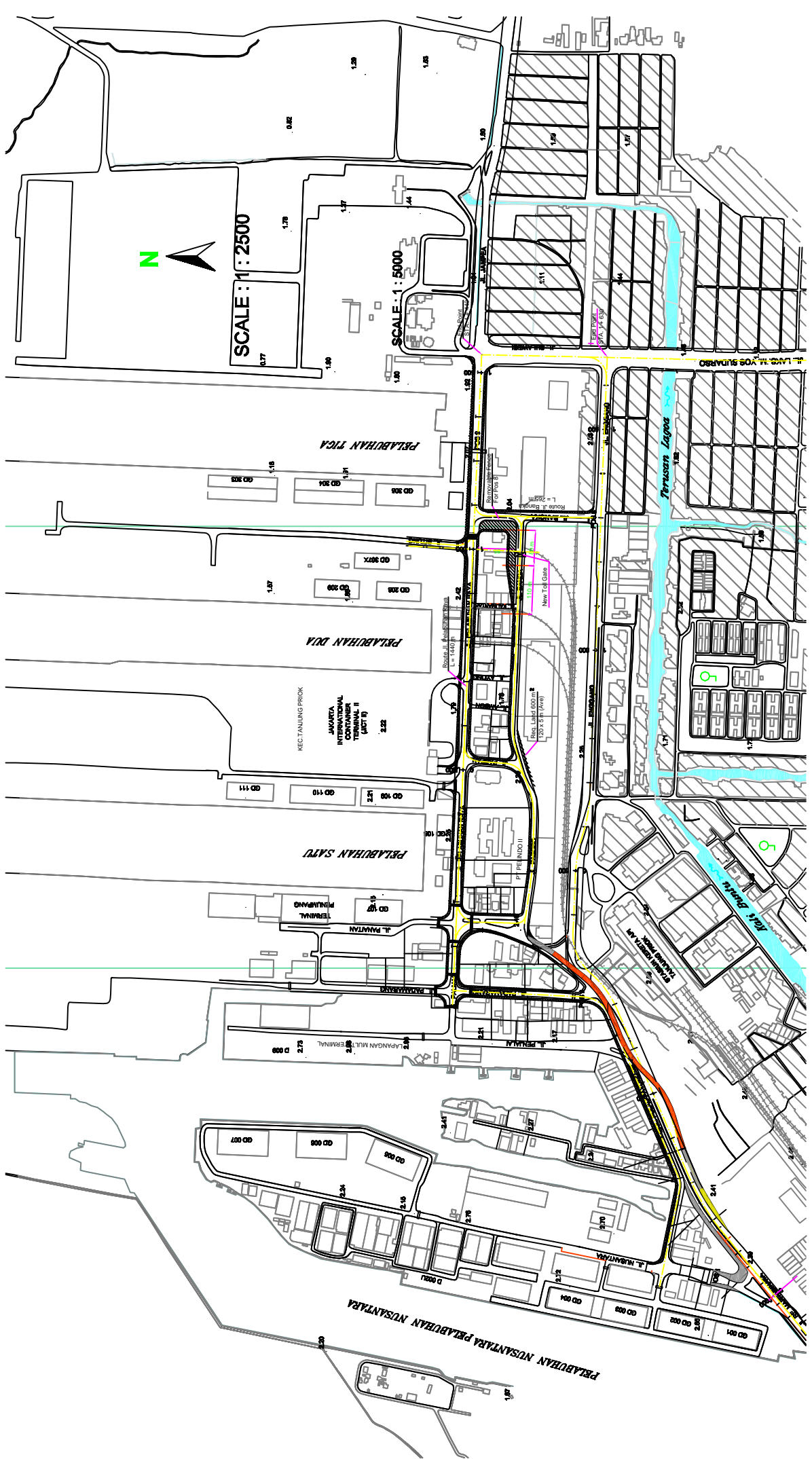
58. Required lane numbers and alignment of port inner roads are shown in Figure 14-B-8 and Figure 14-B-9. Figure 14-B-10 and Figure 14-B-11 is a plan and profile of Pasoso flyover.

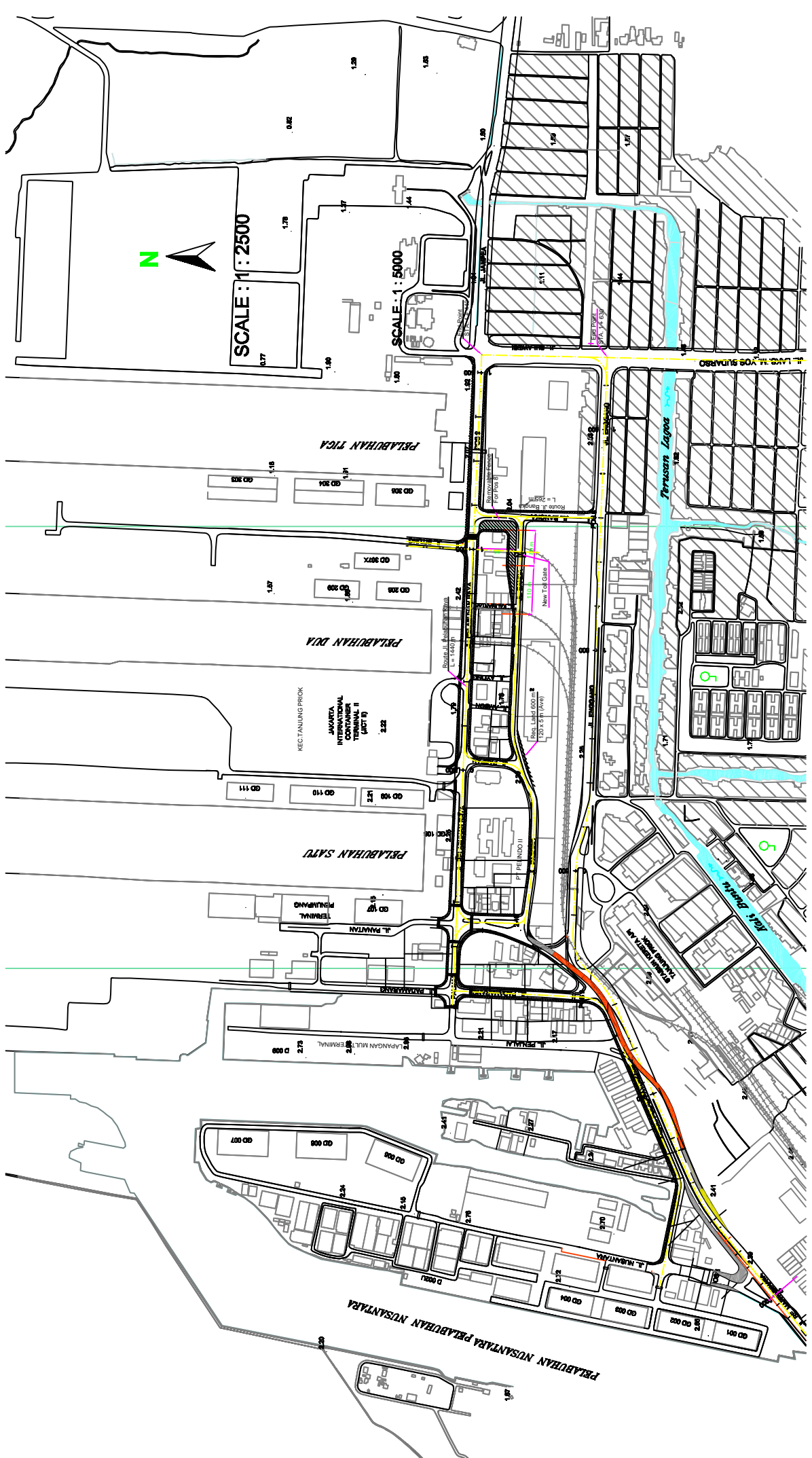
Figure 14-B-8 Required Lane Numbers

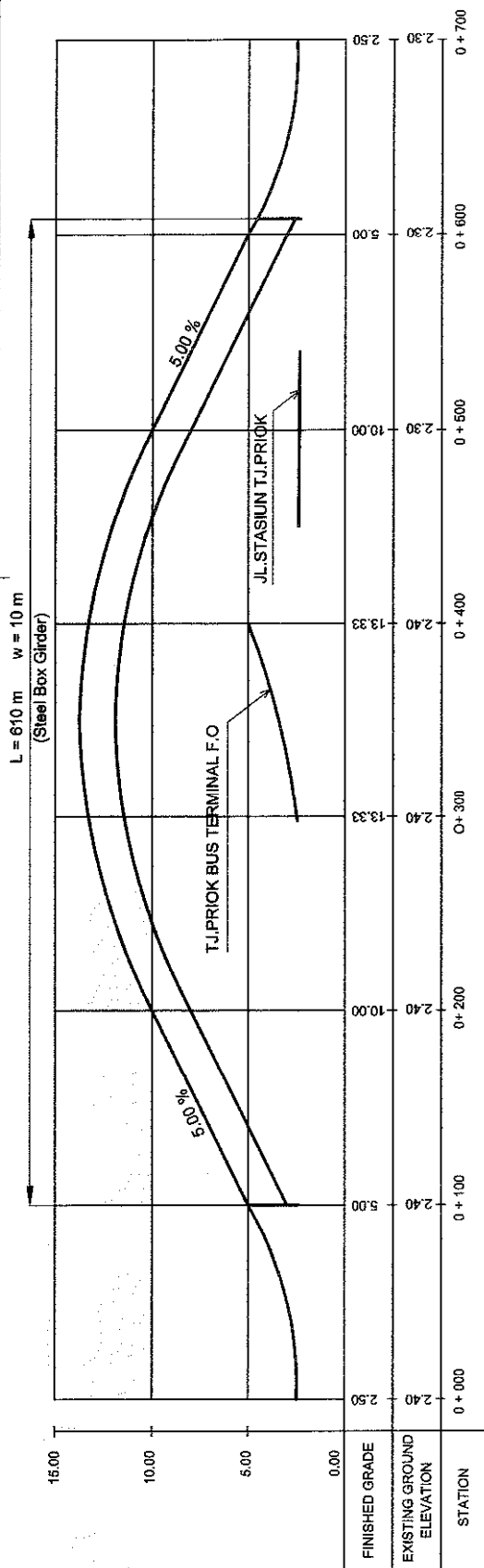
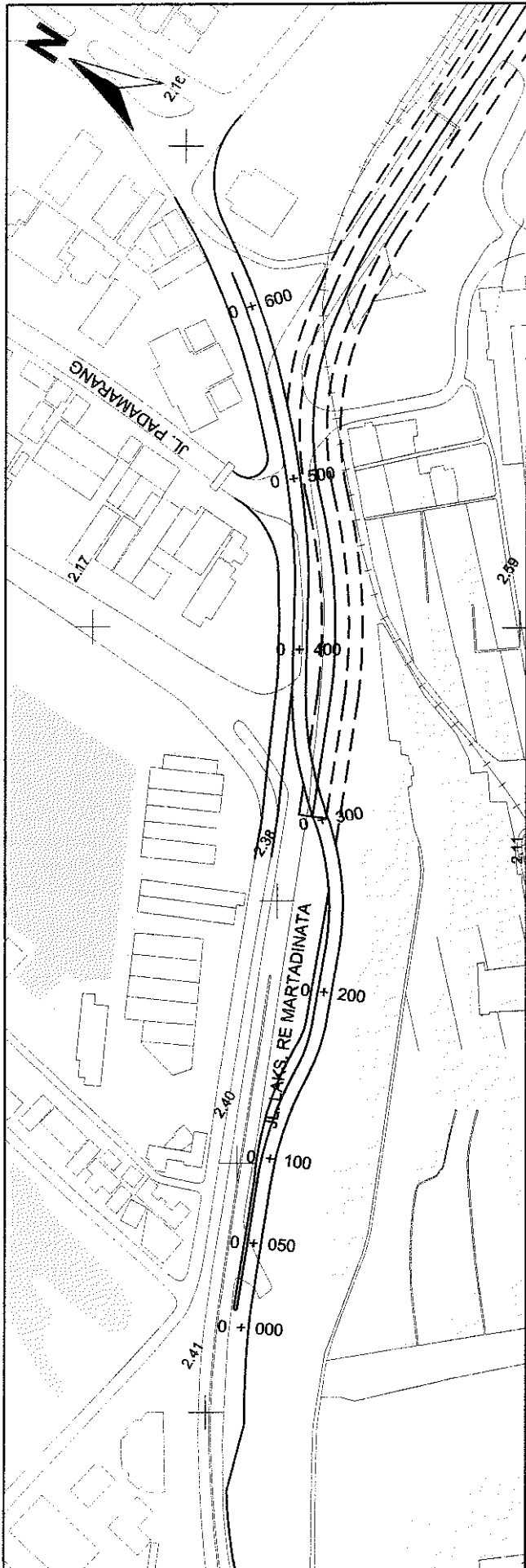
Figure 14-B-9 Port Related Roads

Figure 14-B-10 Pasoso Flyover – Plan and Profile

Figure 14-B-11 Pasoso Flyover





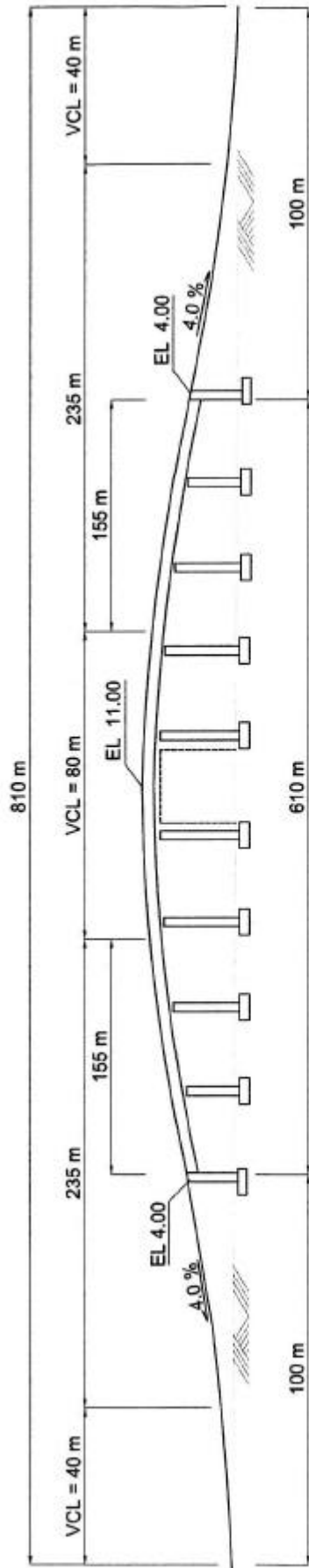


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PASOSO FLYOVER - PLAN & PROFILE

STA. 0 + 000 ~ STA. 0 + 700

Figure



SECTION VIEW

