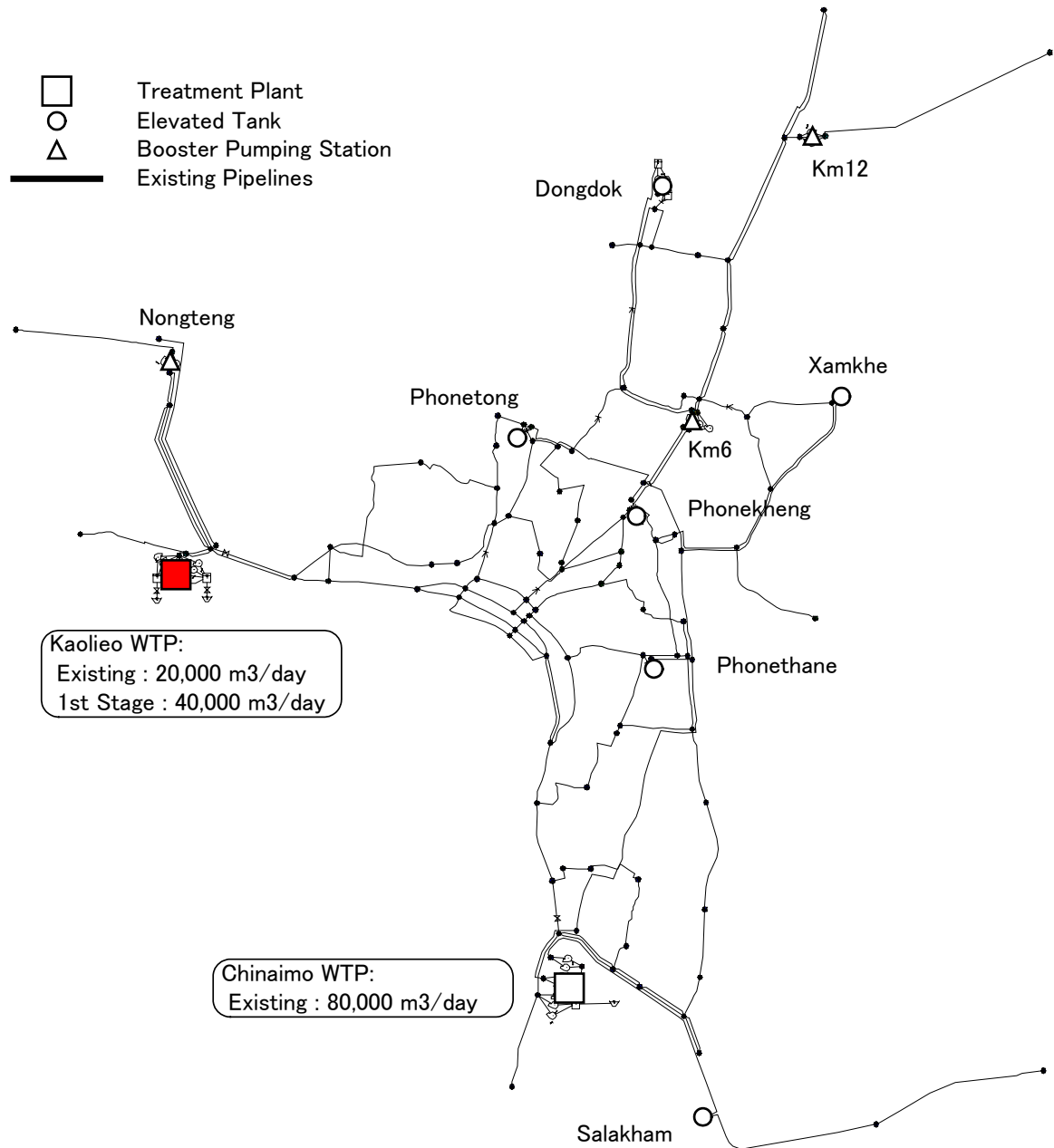


#### 4 Network Analysis for Alternative K

Figure 5 Network Model without Distribution System Development, Alternative K



**Table 4** Residual Pressure at Each Junction without Distribution System Development, Alternative K

Figure 6 Residual Water Pressure Contour at 13:00 without Distribution System Development, Alternative K

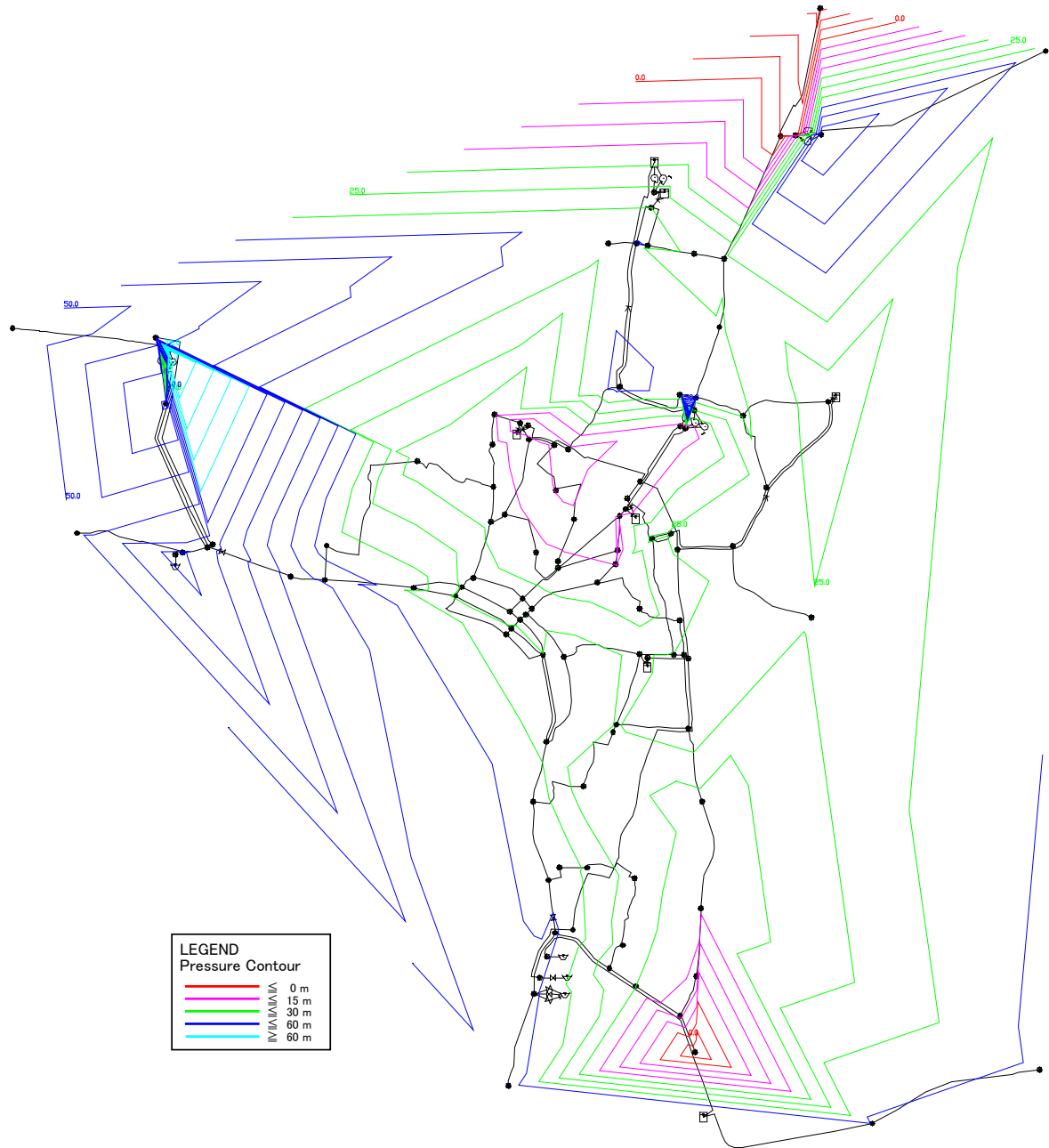
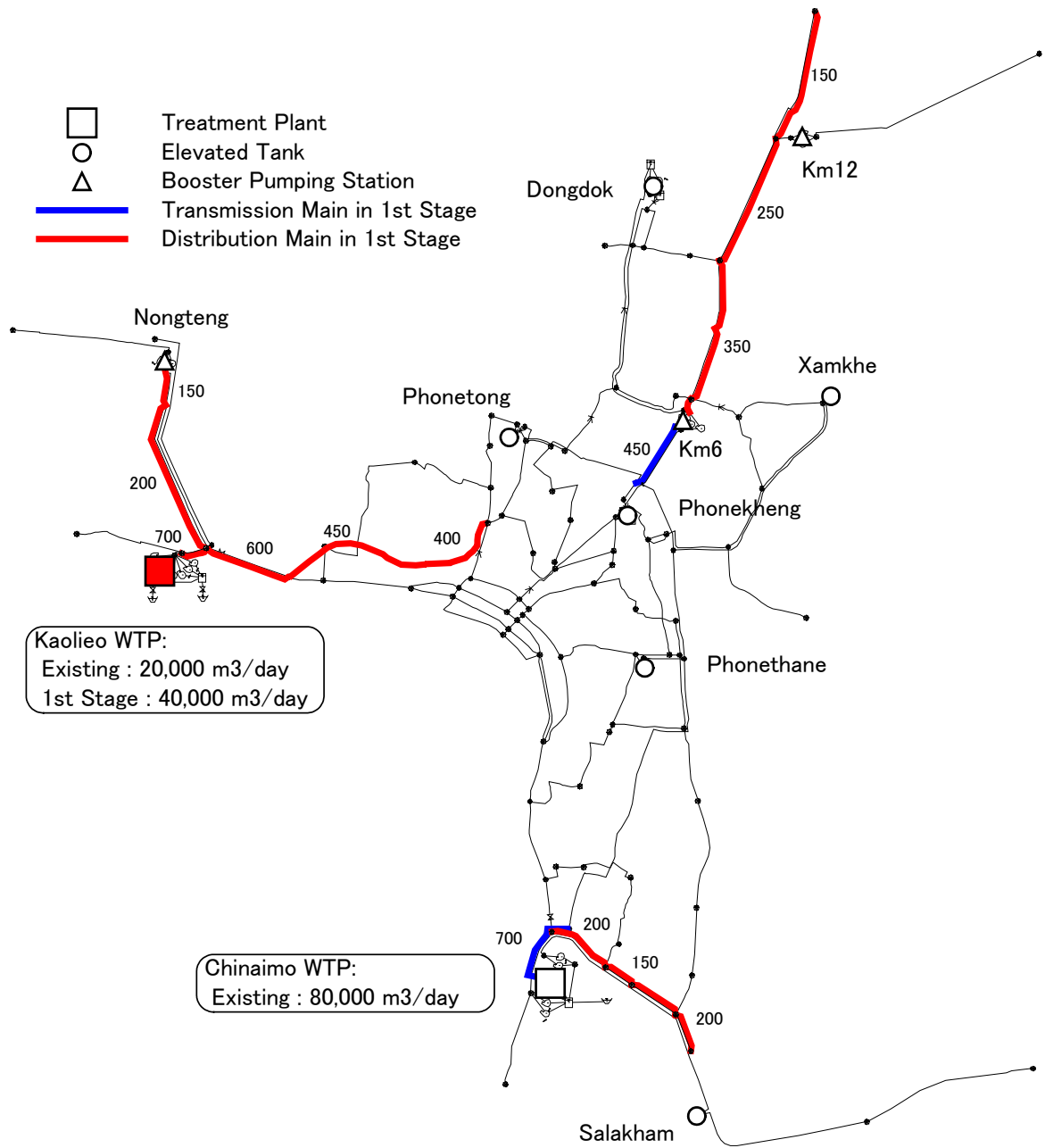
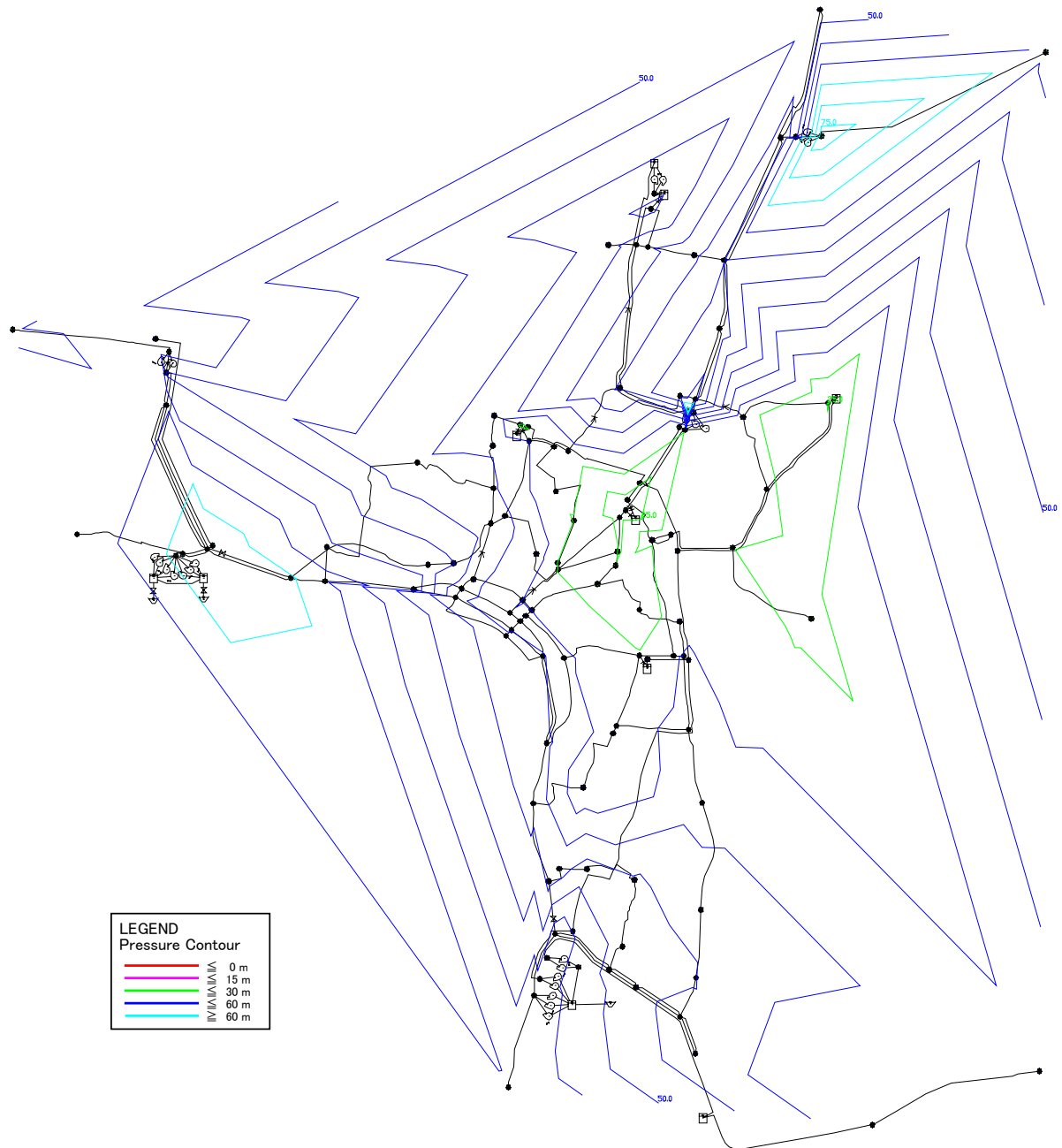


Figure 7 Clear Water Transmission and Minimum Required Distribution Trunk Mains, Alternative K



**Table 5**                    **Residual Pressure at Each Junction with Required Distribution Trunk  
Mains,  
Alternative K**

Figure 8 Residual Water Pressure Contour at 13:00 with Required Distribution Trunk Mains, Alternative K



**Table 6                      Length and Cost for Required Distribution Trunk Mains, Alternative K**

<b>Diameter</b>	<b>Length</b>	<b>Costs</b>	
		x 1,000 Yen	x 1,000 US\$
mm	m		
150	4,540	27,013	227
200	6,370	54,328	457
250	2,760	31,478	265
300	1,390	35,563	299
350	1,830	57,345	482
400	1,760	65,974	554
450	3,130	138,436	1,163
500		0	0
600	1,760	119,731	1,006
700	680	57,520	483
800		0	0
<b>Total</b>	<b>24,220</b>	<b>587,388</b>	<b>4,936</b>
Sub-total (150-250mm)		112,819	948
Sub-total (300-800mm)		474,569	3,988