

Table 7Residual Pressure at Each Junction without Distribution System
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Table 8Residual Pressure at Each Junction with Required Distribution Trunk
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Length and Cost for Required Distribution Trunk Mains, Alternative T

Diameter	Length	Costs		
mm	m	x 1,000 Yen	x 1,000 US\$	
150	1,700	10,115	85	
200	10,255	87,462	735	
250	680	7,755	65	
300	320	8,187	69	
350	1,520	47,631	400	
400	1,390	52,104	438	
450		0	0	
500		0	0	
600		0	0	
700		0	0	
800		0	0	
Total	15,865	213,255	1,792	
Sub-total(150-250mm)		105,332	885	
Sub-total (300-	800mm)	107,922	907	

6 Results of the Analysis

Costs required for the required distribution mains are added to the construction costs and total costs are compared as shown on Table and Figure below. As the results of the analysis, Alternative K is evaluated as the plan which would be the least influenced by the delay of the implementation of the distribution system improvement.

x 1,000 US\$	Alternative C	Alternative K	Alternative T
Treatment Plant	8,782	9,624	10,461
Transmission Pipelines	1,234	1,234	10,144
Improvement of Chinaimo WTP	2,433	2,433	0
Booster Pumping Station	737	737	0
Required Distribution Mains	6,829	4,936	1,792
Total	20,014	18,964	22,397

