

## **Appendix 8**

### **Drawings of proposed mineral processing plant**

- Fig. 1** General layout of mineral processing plant
- Fig. 2** General arrangement of primary crushing plant
- Fig. 3** General arrangement of secondary & tertiary crushing plant
- Fig. 4** General arrangement of fine ore stockpile
- Fig. 5** General arrangement of fine ore stockpile and ball mill
- Fig. 6** General arrangement of ball mill & flotation plant
- Fig. 7** General arrangement of filter plant & concentrate stockyard
- Fig. 8** General arrangement of tailing thickener

[The page contains extremely faint and illegible text, likely due to low contrast or scanning quality. The text is arranged in several horizontal lines across the page, but no specific words or phrases can be discerned.]

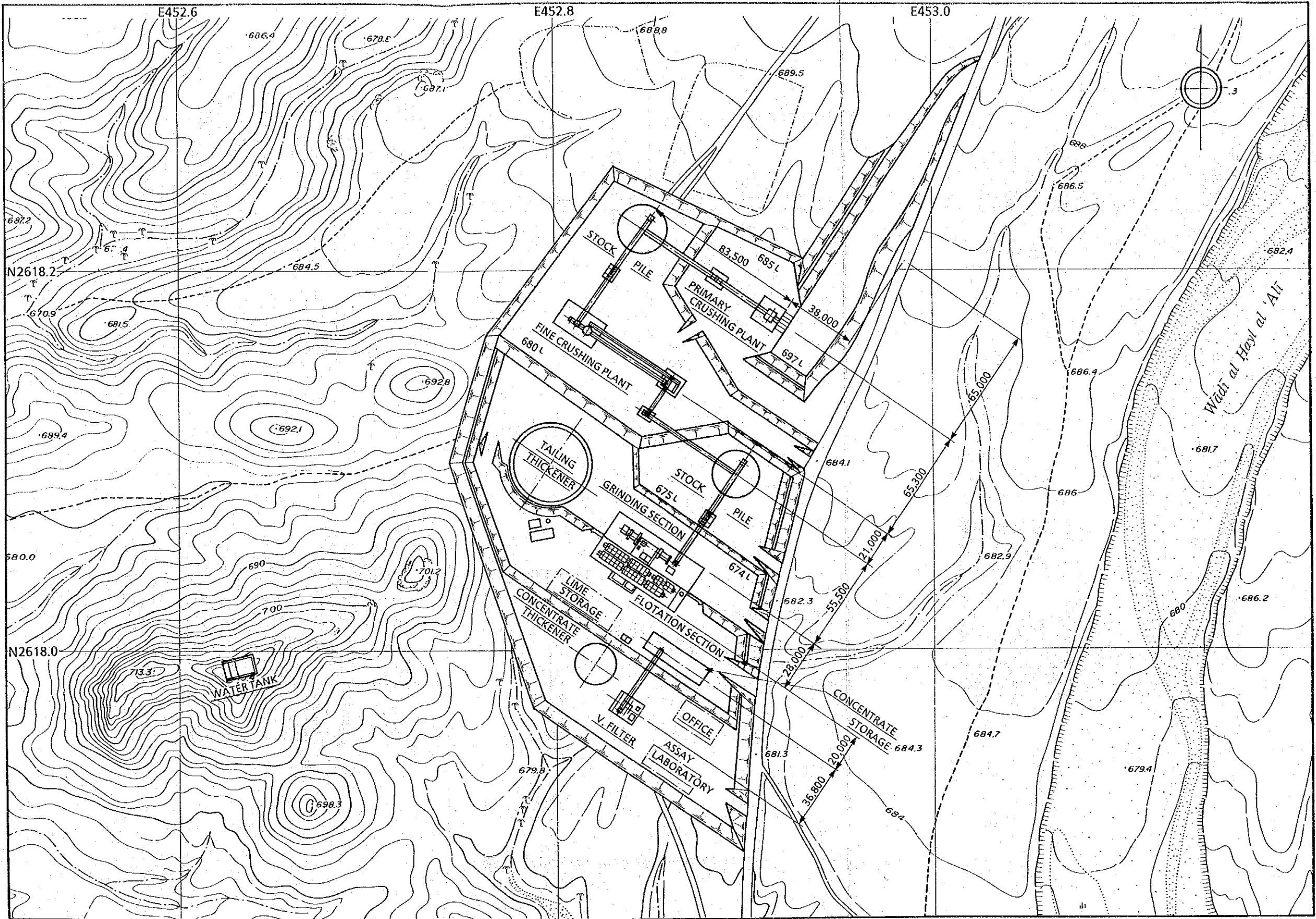


Fig. 1 General layout of mineral processing plant



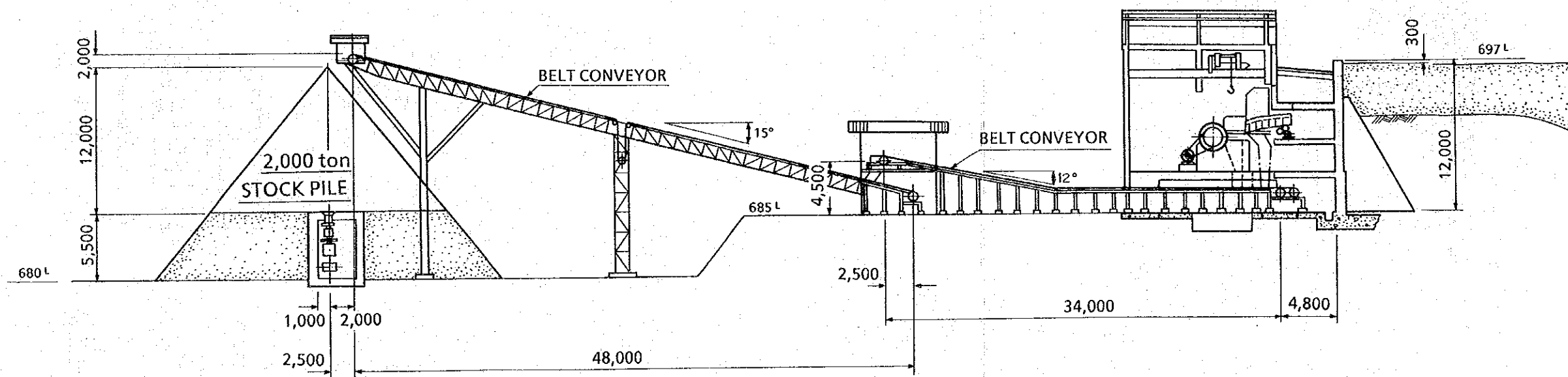
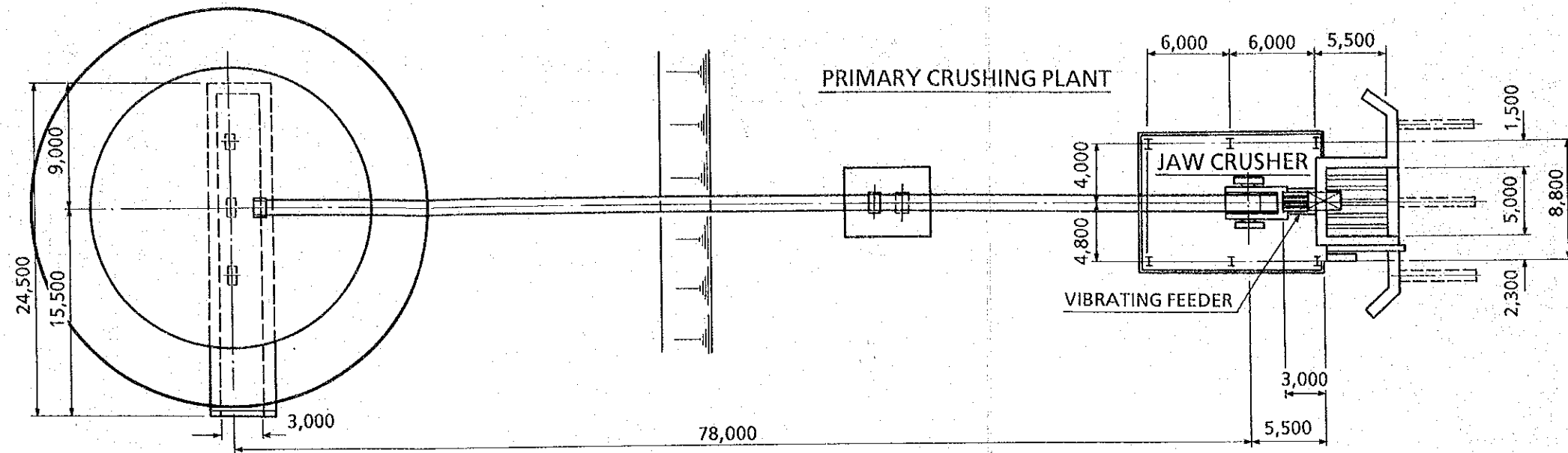


Fig. 2 General arrangement of primary crushing plant



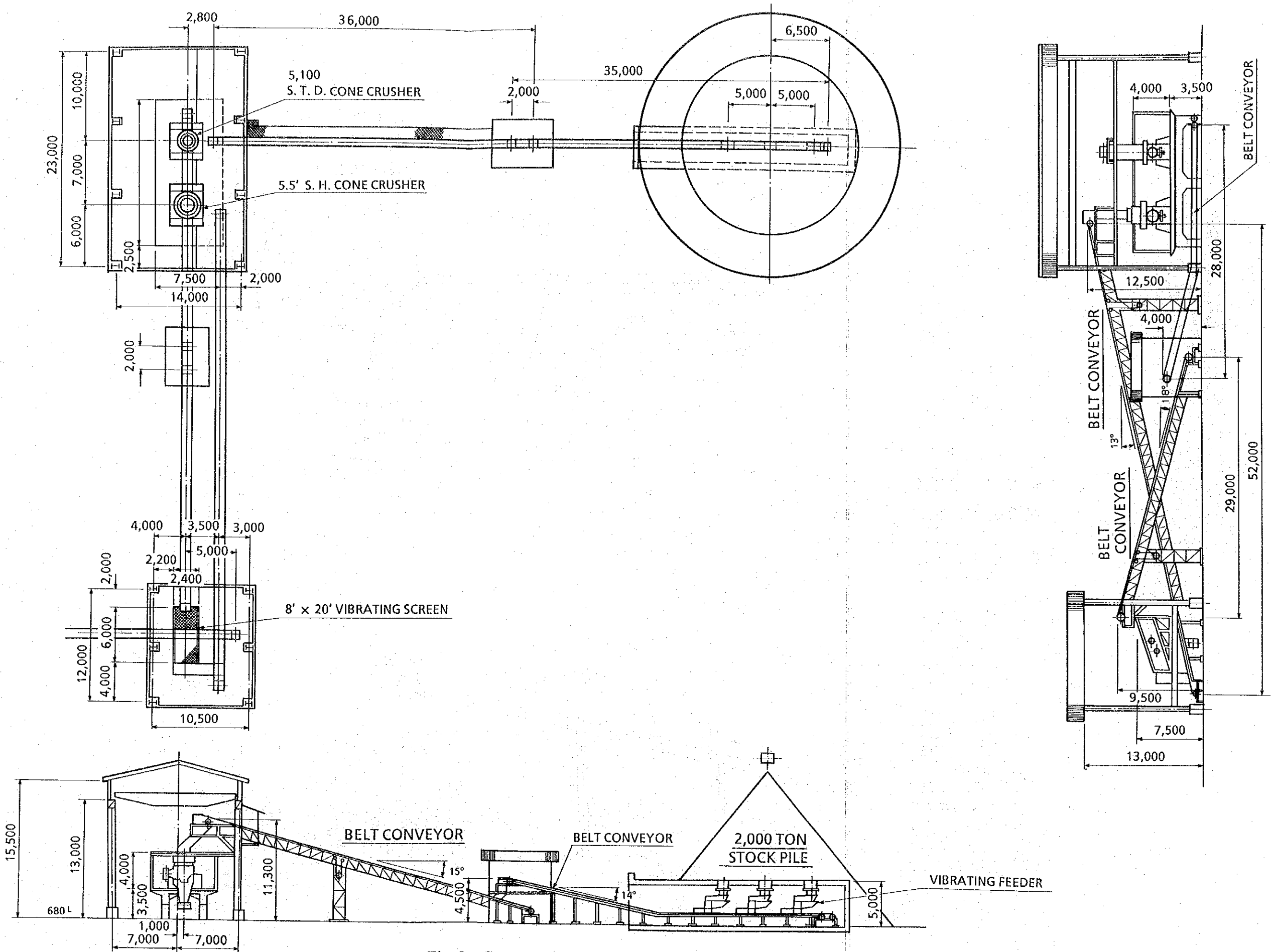


Fig. 3 General arrangement of secondary & tertiary crushing plant





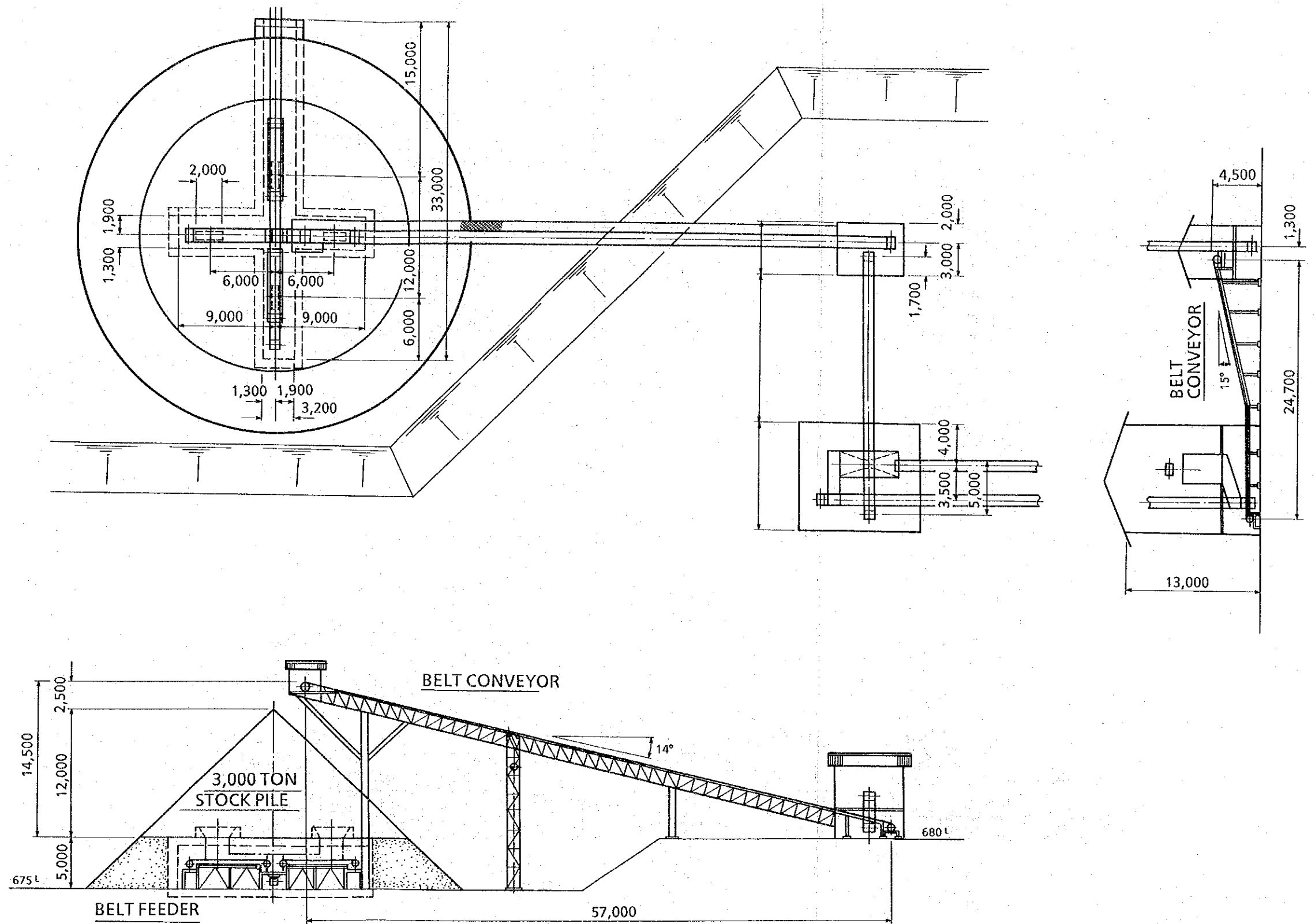


Fig. 4 General arrangement of fine ore stockpile



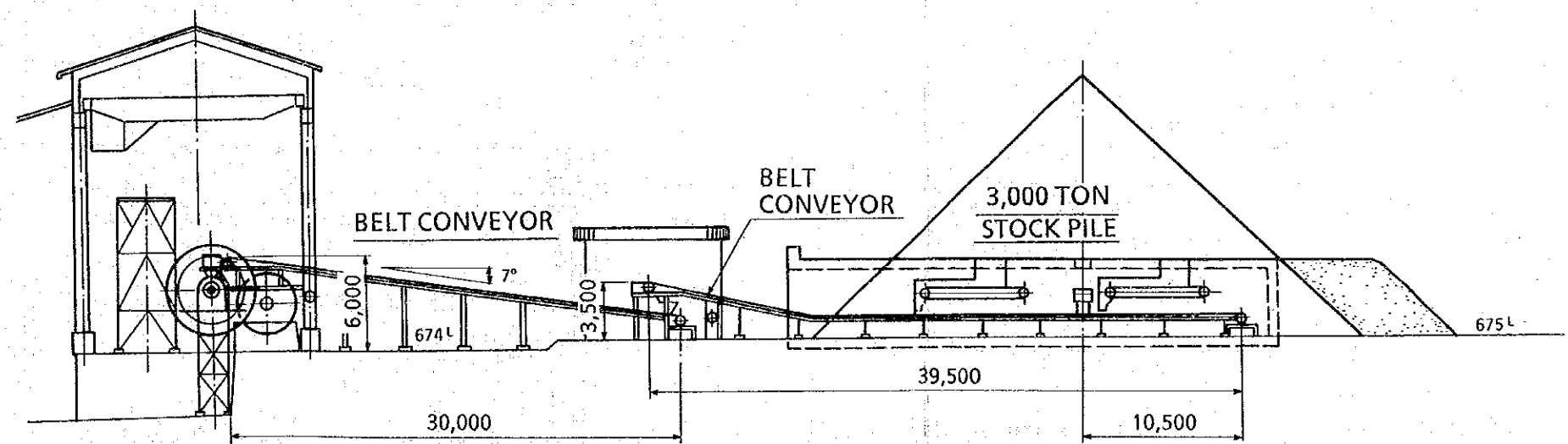
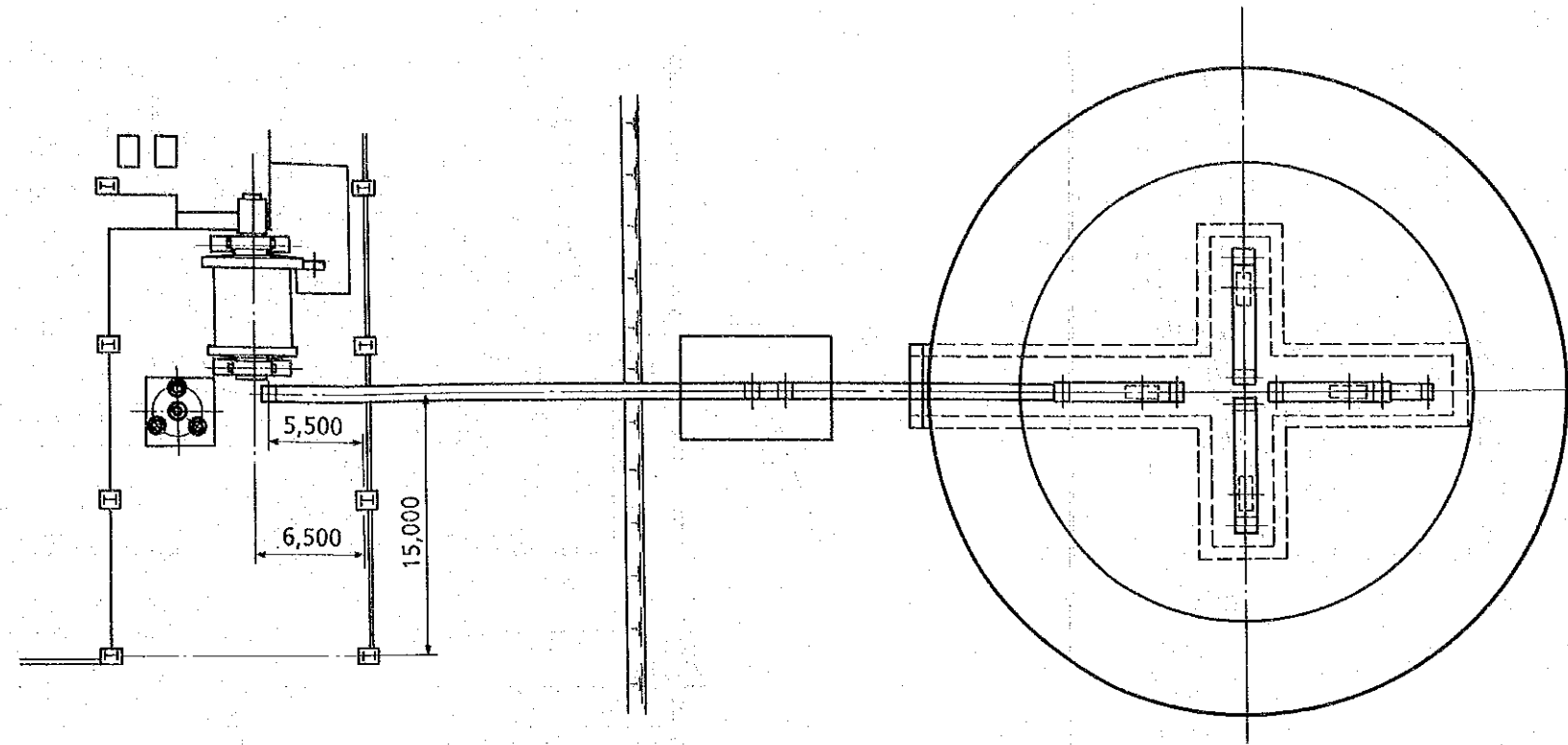


Fig. 5 General arrangement of fine ore stockpile and ball mill



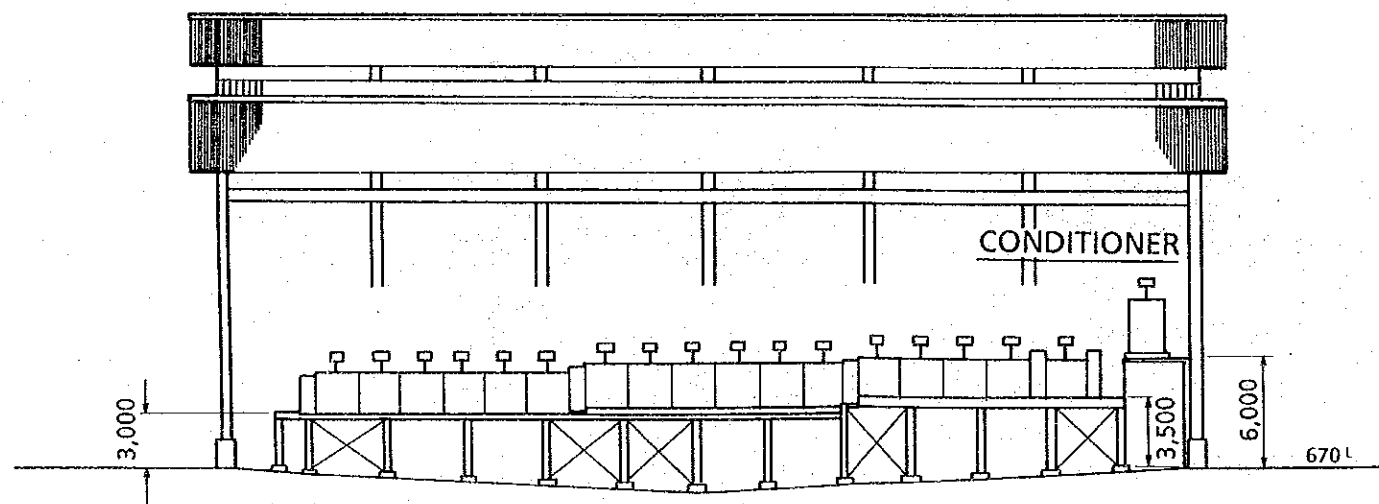
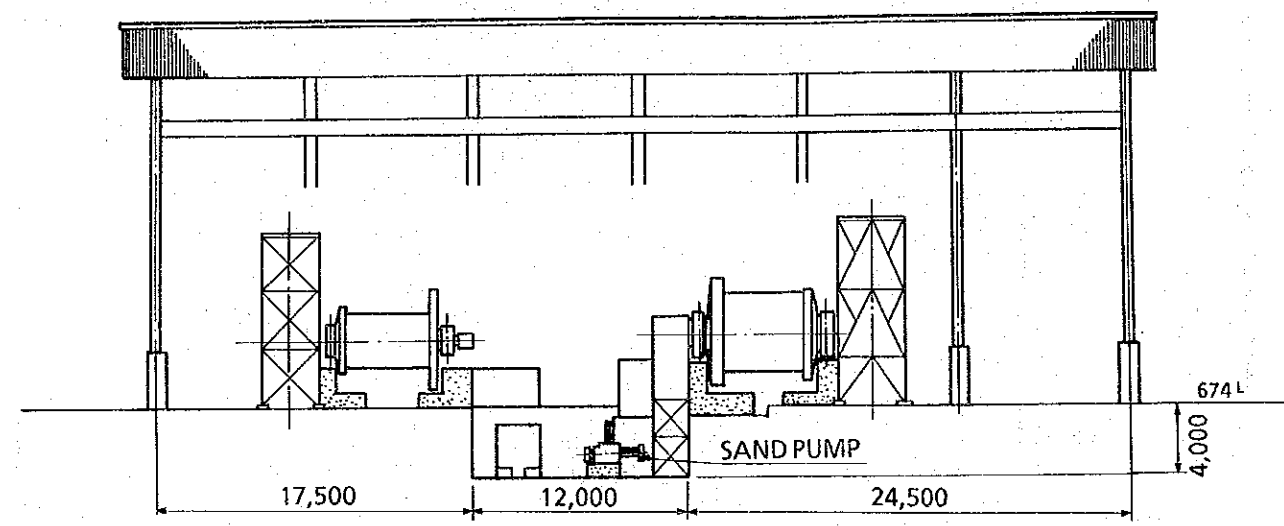
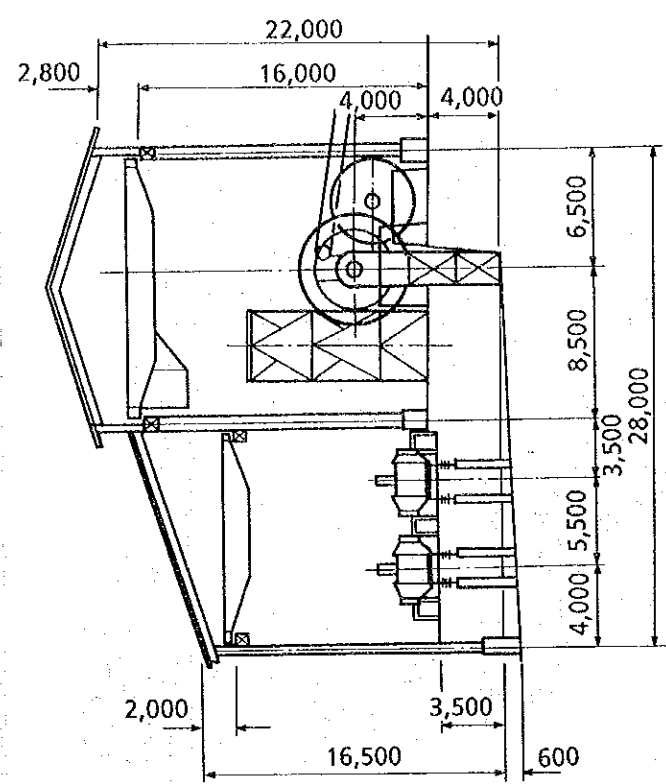
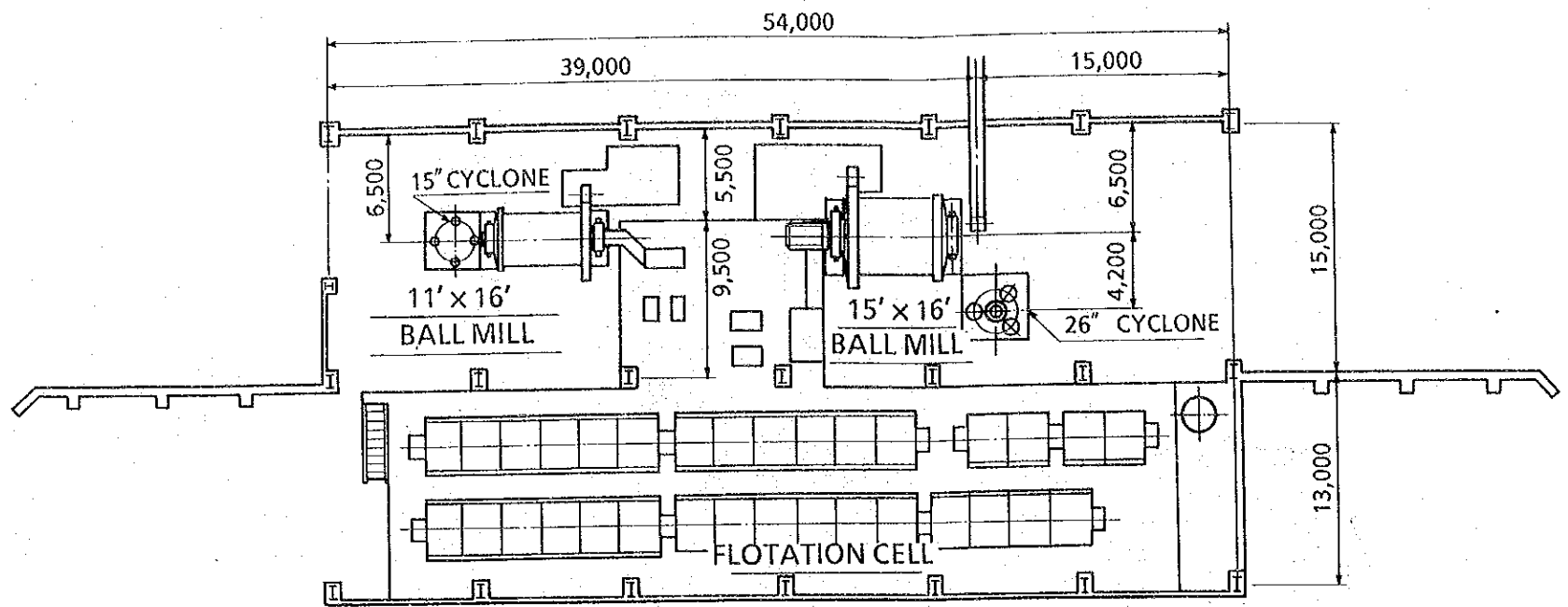


Fig. 6 General arrangement of ball mill & flotation plant



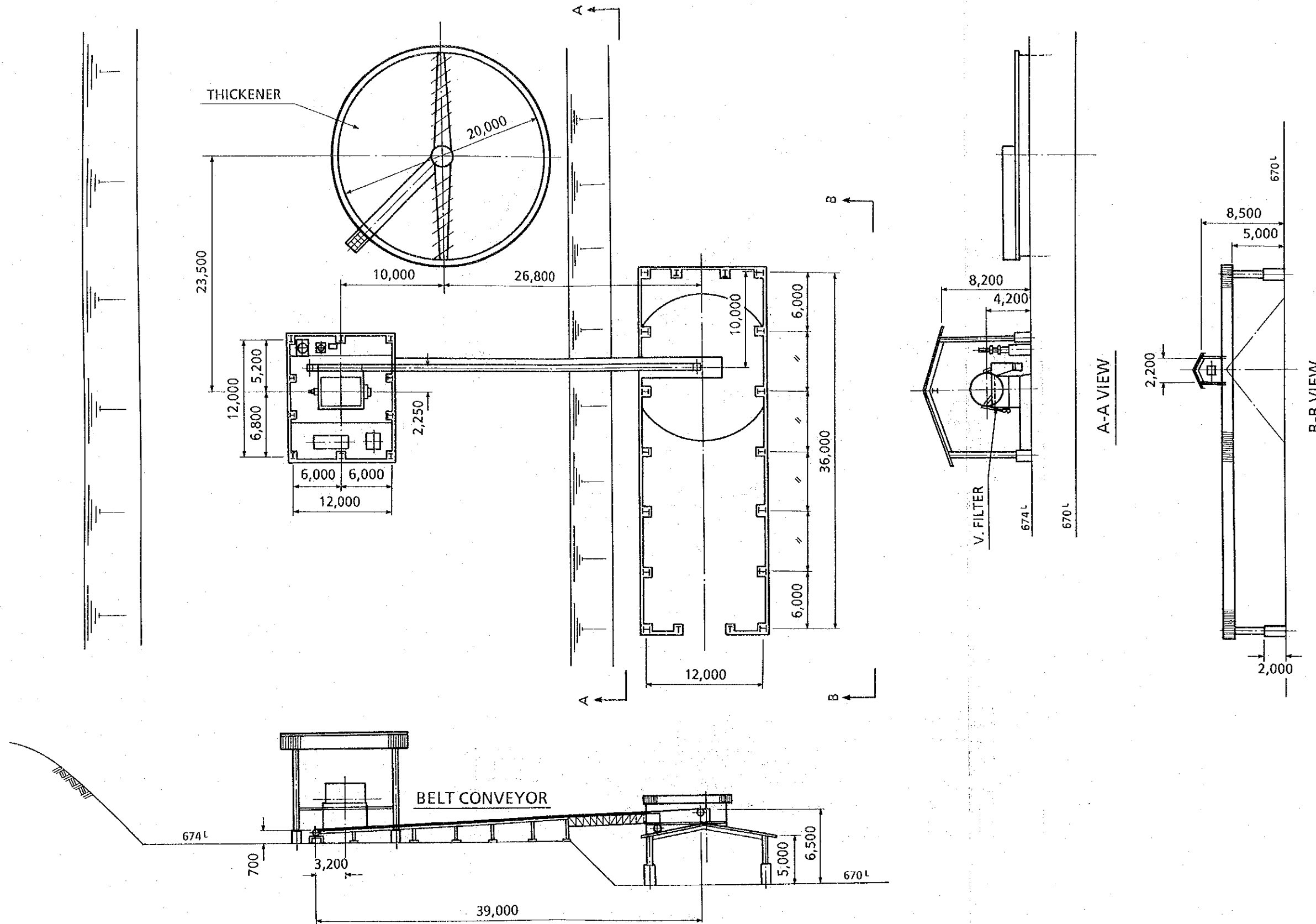


Fig. 7 General arrangement of filter plant & concentrate stockyard





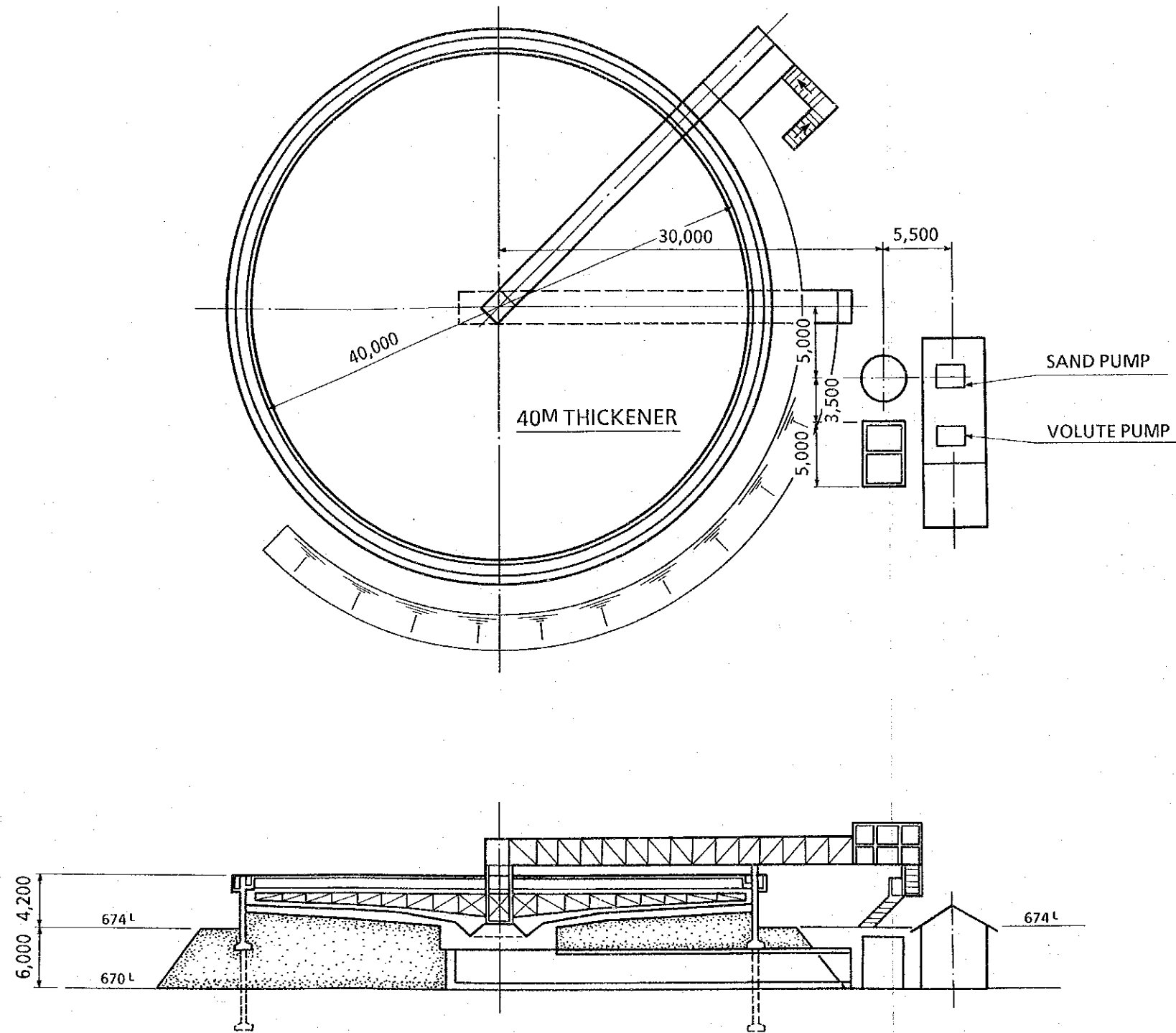
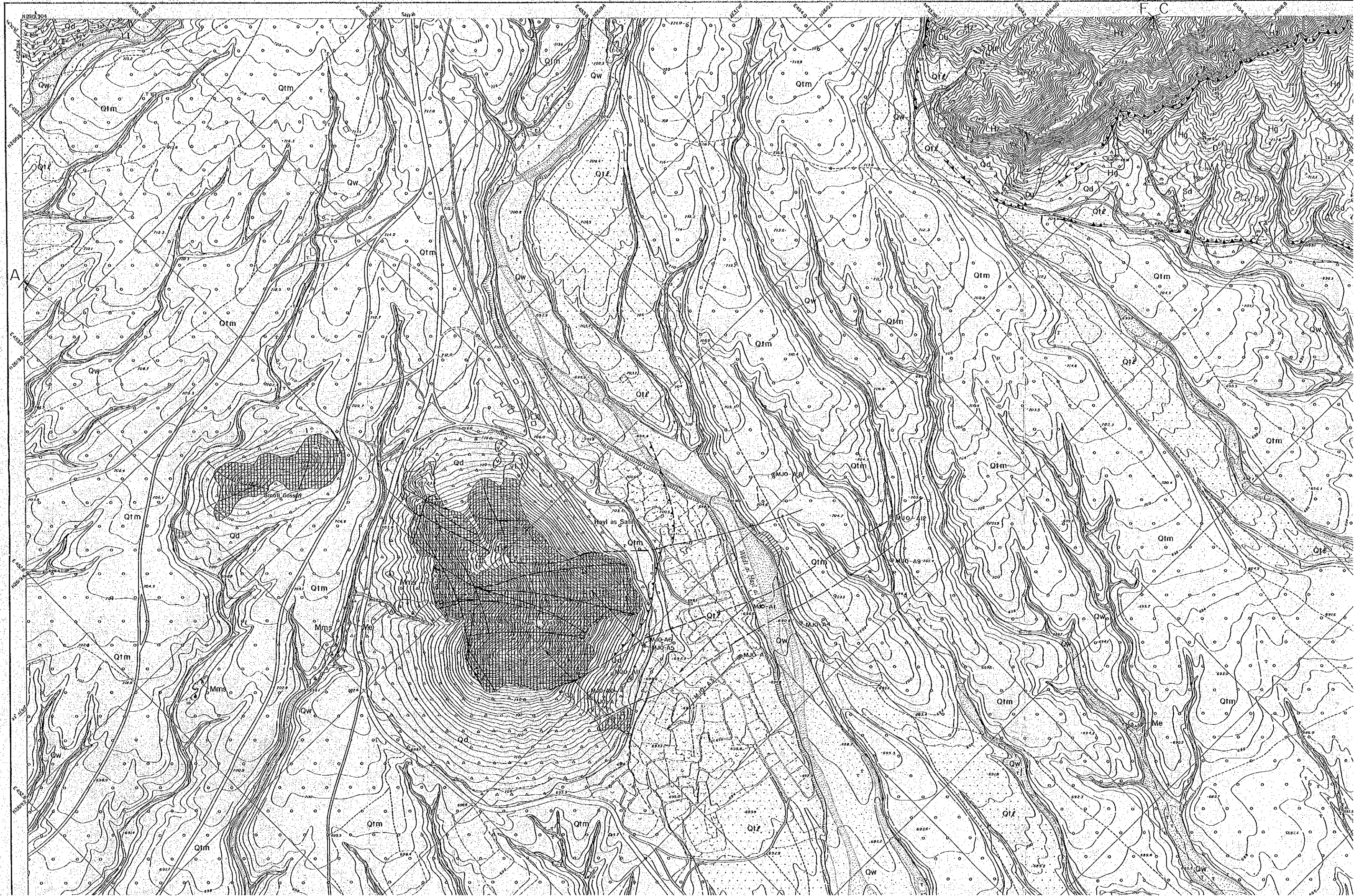


Fig. 8 General arrangement of tailing thickener

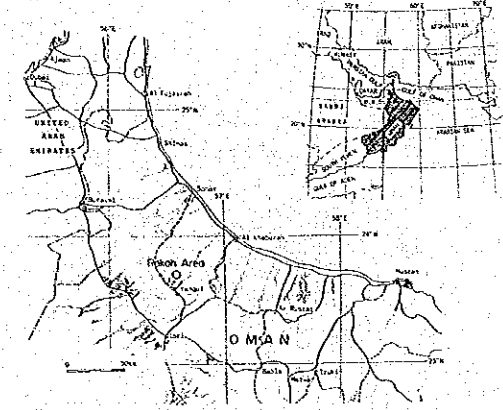
# RAKAH A AREA





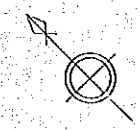
REPORT ON THE MINERAL EXPLORATION  
IN  
THE RAKAH AREA, SULTANATE OF OMAN

GEOLOGIC MAP OF AREA A



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
FEBRUARY, 1990

Scale 1 : 2,000  
0 20 40 60 80 100 200m



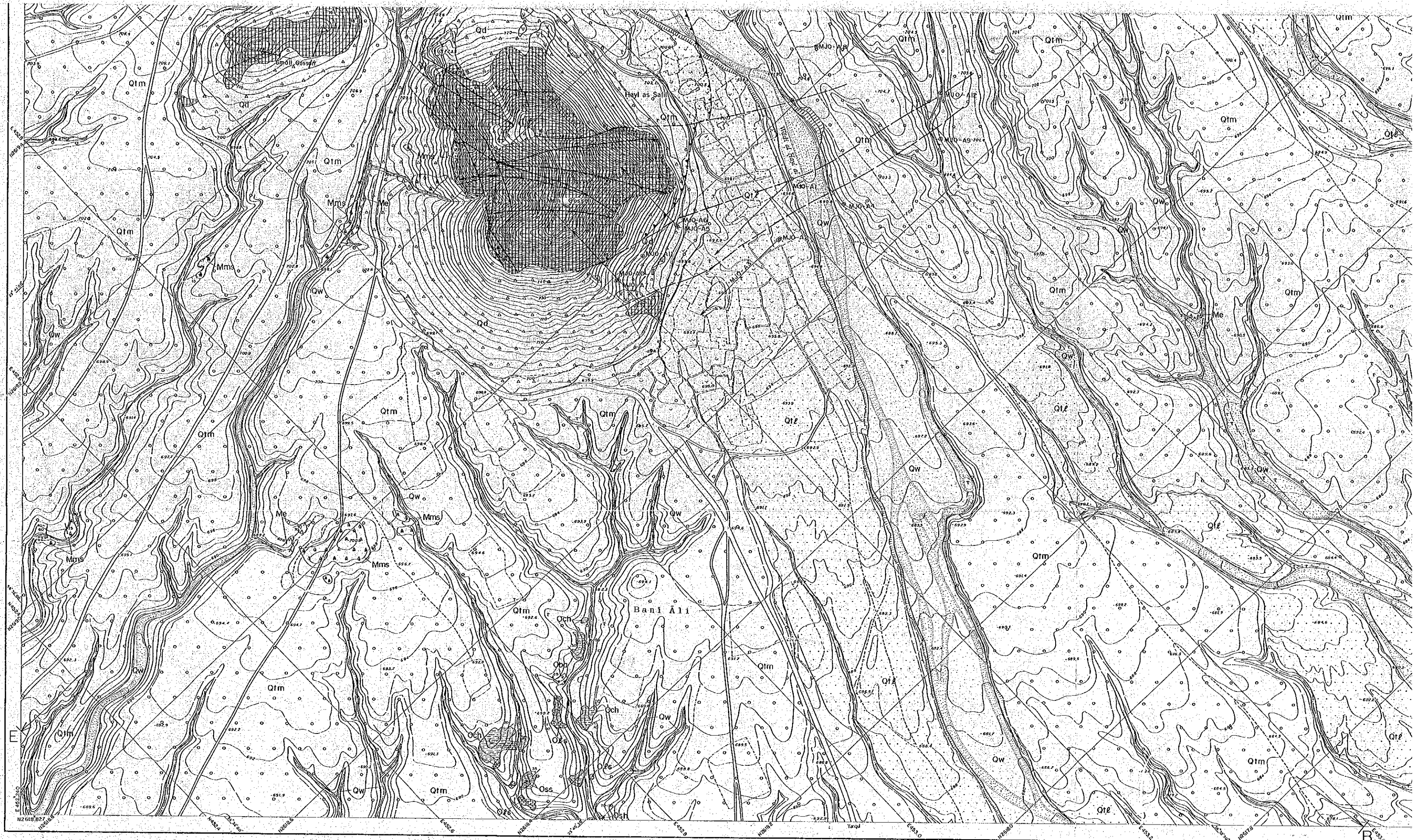
**LEGEND**

Quaternary	Wadi Sediments	Qw, Gravel, sand	
	Debris	Qd, Talus breccia	
Pleistocene / Holocene	Terrace Deposits	Lower Terrace Deposits	Qt1, Gravel, sand
		Middle Terrace Deposits	Qtm, Gravel, sand
Late Cenozoic / Neogene / Quaternary	Batinah Olistostrome	Ols, Olistolith of limestone	
		Och, Olistolith of chert	
		Osh, Olistolith of shale	
		Oss, Olistolith of sandstone	
		Oba, Olistolith of basalt	
	Small Volcanic Rocks	Mv, Middle Volcanic Rocks	Me, Pillow lavas
		Mms, Massive lavas	
		Mm, Metalliferous sediments	
		Lower Extrusives II	LI, Pillow and massive lavas
		Lower Extrusives I	LI, Pillow lavas
Early to Middle Cretaceous	Sheeted-dyke Complex	Sd, Sheeted dykes	
	High-level Gabbro	Hg, High-level gabbro	
	Cumulate Sequence	Cg, Cumulate layered gabbro	
	Tectonites	Hx, Harzburgite	
Du, Dunite			
Cr, Chromitite			
Ga, Gabbro			
Intrusive Rocks	D, Dykes		

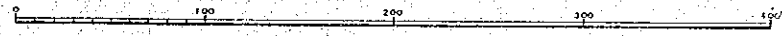
  

Stratification; inclined	Contact
Stratification of pillow lavas; inclined	Fault; dashed where inferred or concealed
Layering; inclined	Thrust fault; saw-teeth, showing dip
Foliation; inclined	Vein
Dyke; inclined	Gossan
Shear zone	Drill hole
	Section

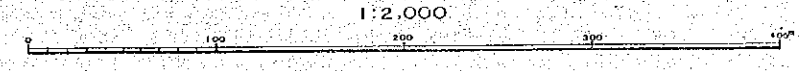
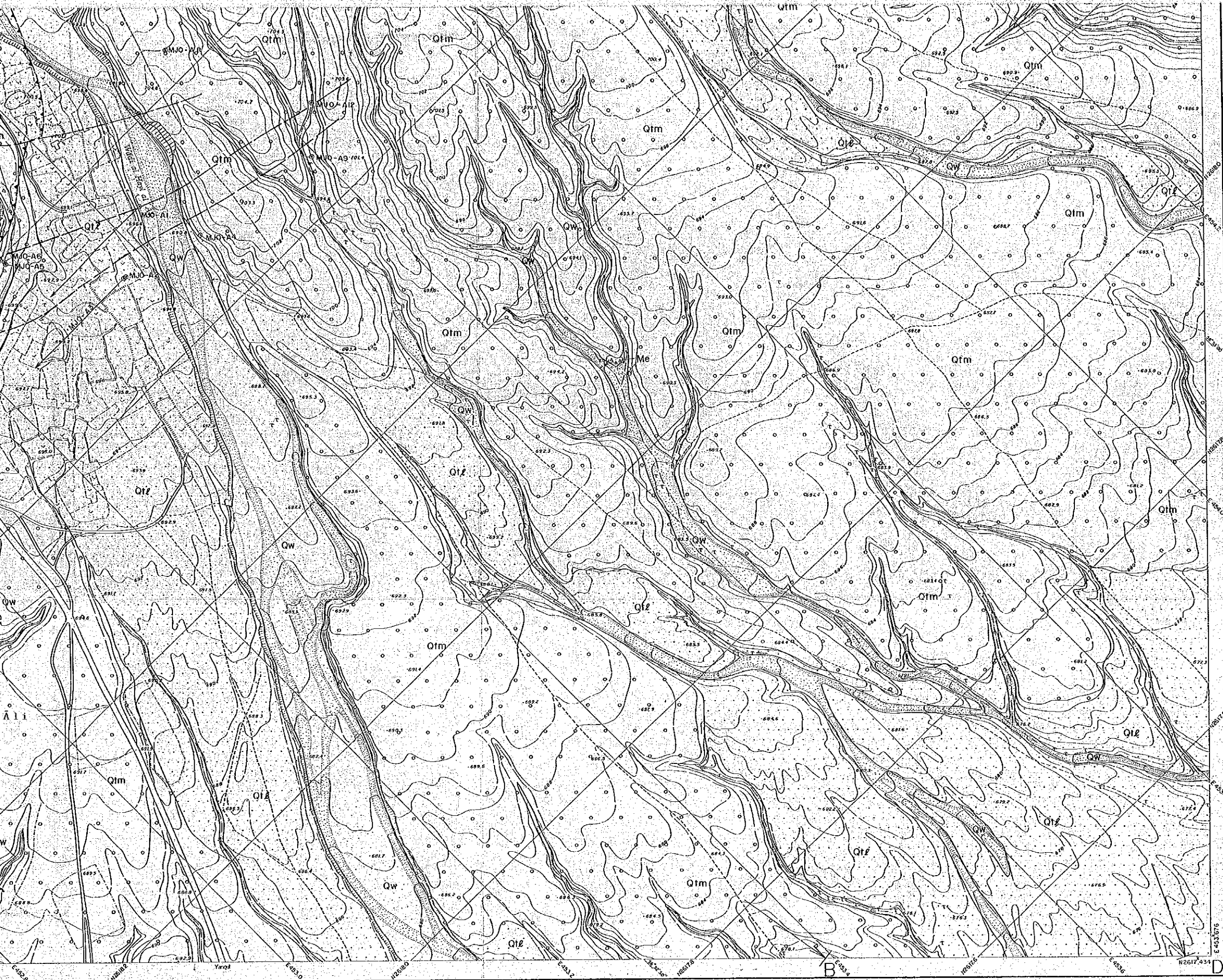




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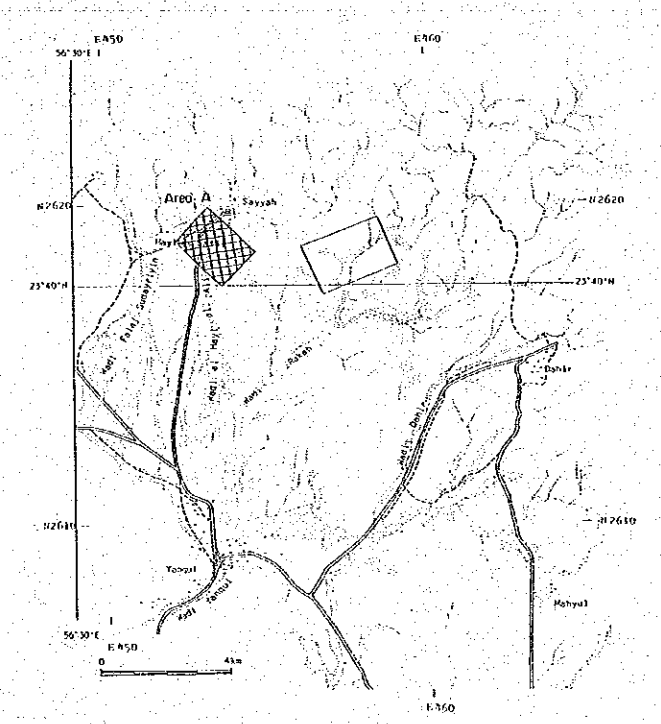


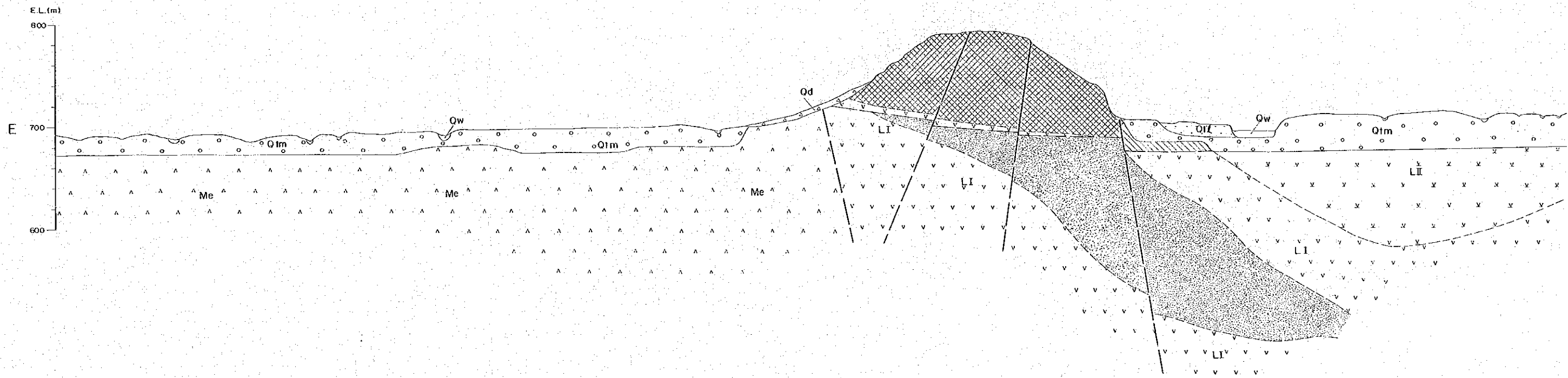
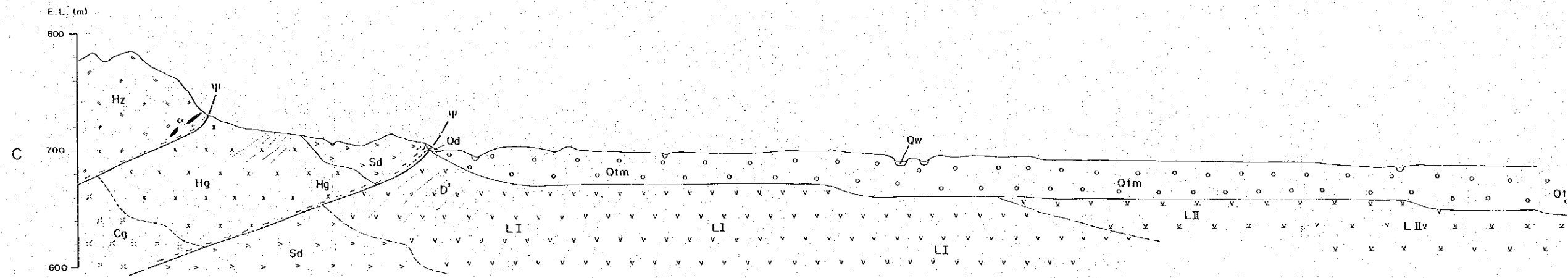
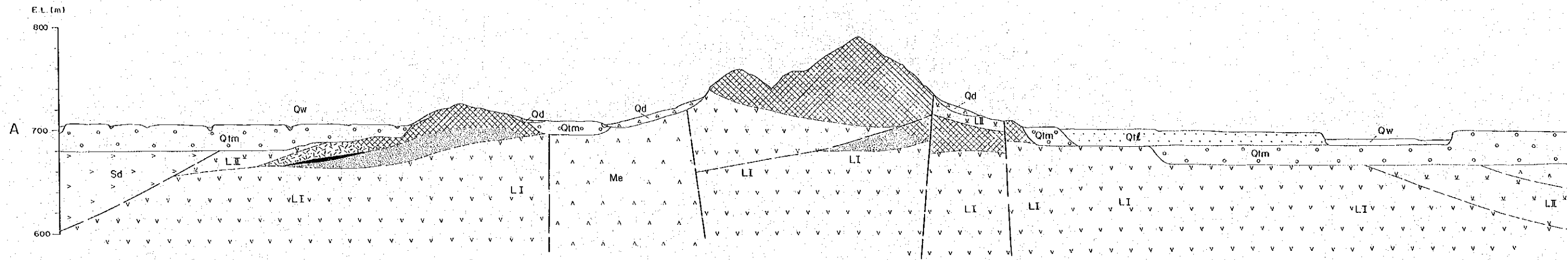




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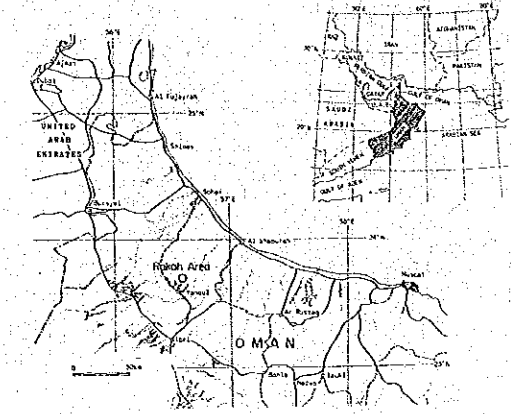
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|----------------------|----------------------------|------------------------------|------------------------------|
| Quaternary           | Wadi Sediments             | Qw, Gravel, sand             |                              |
|                      | Debris                     | Qd, Talus breccia            |                              |
| Pleistocene Holocene | Terrace Deposits           | Qtl, Gravel, sand            |                              |
|                      |                            | Qtm, Gravel, sand            |                              |
| Late Cretaceous      | Batimah Olistostrome       | Ols, Olistolith of limestone |                              |
|                      |                            | Och, Olistolith of chert     |                              |
|                      | Olistostromes              | Osh, Olistolith of slate     |                              |
|                      |                            | Oss, Olistolith of sandstone |                              |
|                      | Middle Volcanic Rocks      | Obs, Olistolith of basalt    |                              |
|                      |                            | Me, Pillow lavas             |                              |
|                      | Small Volcanic Rocks       | Mms, Massive lavas           |                              |
|                      |                            | Mm, Metalliferous sediments  |                              |
|                      | Early to Middle Cretaceous | Lower Volcanic Rocks         | LI, Pillow and massive lavas |
|                      |                            |                              | LI, Pillow lavas             |
|                      | Small Ophiolite            | Sheeted dyke Complex         | Sd, Sheeted dykes            |
|                      |                            |                              | Hg, High-level gabbro        |
| High-level Gabbro    |                            | Cg, Cumulate layered gabbro  |                              |
|                      |                            | Hx, Harzburgite              |                              |
| Cumulate Sequence    |                            | Du, Dunite                   |                              |
|                      |                            | Cr, Chromitite               |                              |
| Tectonites           |                            | Go, Gabbro                   |                              |
|                      |                            | D, Dykes                     |                              |
| Intrusive Rocks      |                            |                              |                              |
- 
- |  |  |  |   |
|--|--|--|---|
|  | Stratification; inclined                 |  | Contact                                   |
|  | Stratification of pillow lavas; inclined |  | Fault; dashed where inferred or concealed |
|  | Layering; inclined                       |  | Thrust fault; saw-teeth, showing dip      |
|  | Foliation; inclined                      |  | Vein                                      |
|  | Dyke; inclined                           |  | Gossun                                    |
|  | Shear zone                               |  | Drill hole                                |
|  |  |  | Section                                   |





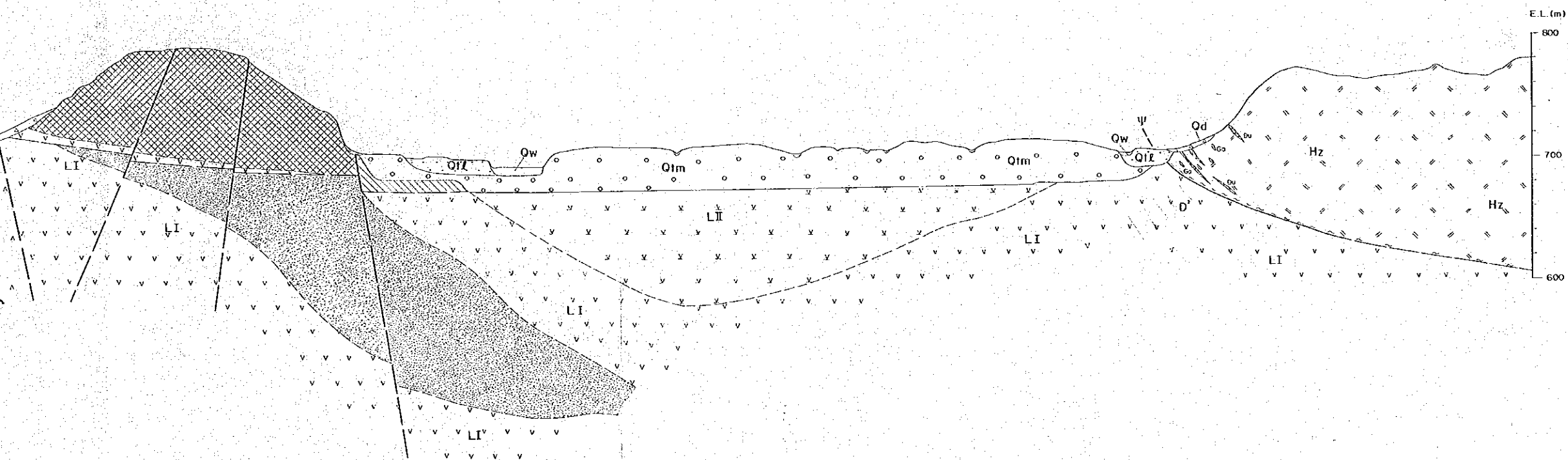
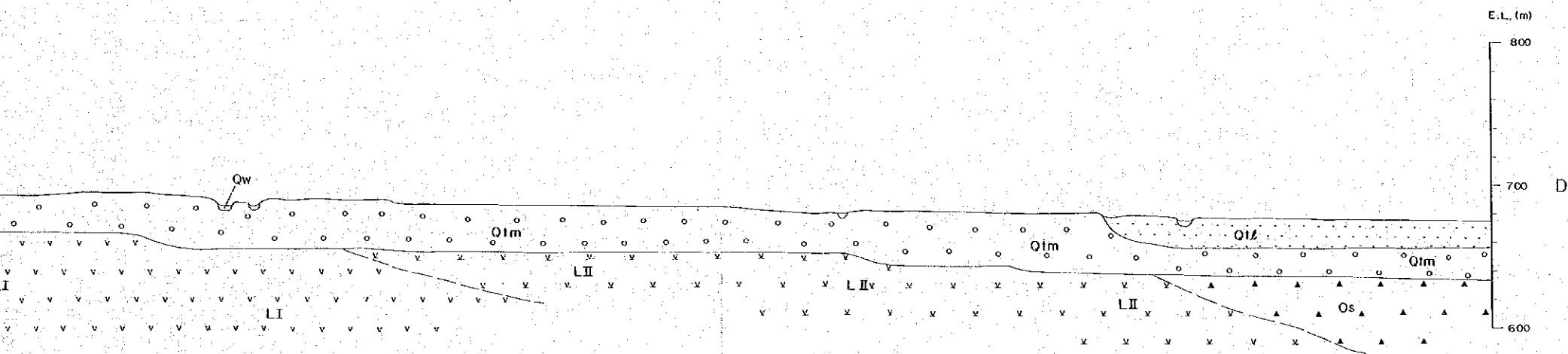
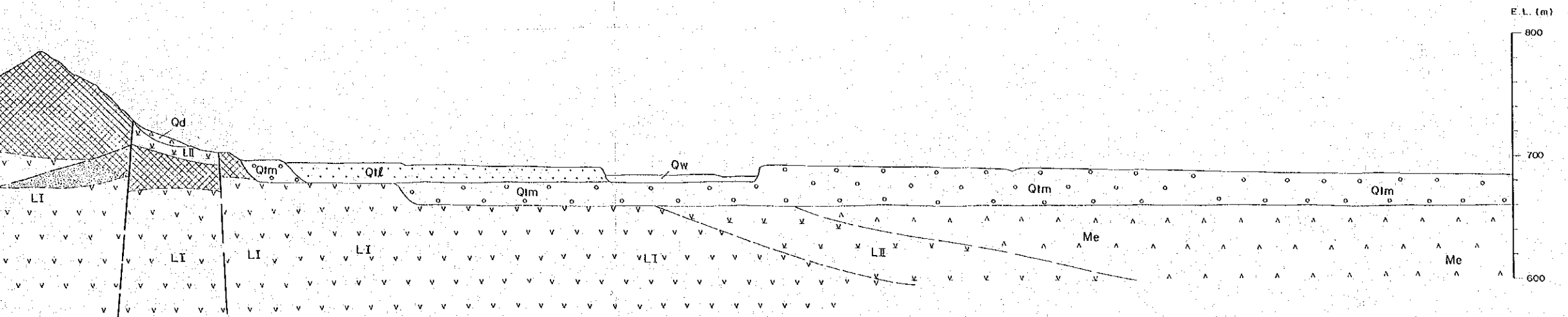
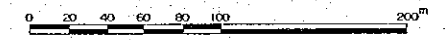
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GEOLOGIC SECTIONS OF AREA A



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METAL MINING AGENCY OF JAPAN  
FEBRUARY, 1990

Scale 1 : 2,000



LEGEND

Quaternary	Wadi Sediments	Qw, Gravel, sand		
	Debris	Qd, Talus breccia		
Pleistocene Holocene	Terrace Deposits	Lower Terrace Deposits	Atl, Gravel, sand	
		Middle Terrace Deposits	Atm, Gravel, sand	
Samail Nappe	Batinah Olistostrome	Os, Olistoliths		
	Samail Volcanic Rocks	Middle Volcanic Rocks	Me, Pillow and massive lavas	
		Lower Volcanic Rocks	Lower Extrusives II	LII, Pillow and massive lavas
			Lower Extrusives I	LI, Pillow lavas
Early to Middle Cretaceous	Sheeted-dyke Complex	Sd, Sheeted dykes		
	High-level Gabbro	Hlg, High-level gabbro		
	Cumulate Sequence	Cg, Cumulate layered gabbro		
		Hz, Harzburgite		
Tectonites	Dt, Danito			
	Cr, Chromitite			
	Ga, Gabbro			
Intrusive Rocks	D', Dykes			

Contact	Gossanized zone
Fault; dashed where inferred or concealed	Brecciated ore zone
Thrust fault; saw-teeth, showing dip	Massive ore zone
Shear zone	Stockwork ore zone