

THE ISLAMIC REPUBLIC OF PAKISTAN  
PAKISTAN RAILWAYS  
LOCOMOTIVES MANUFACTURING FACTORY PROJECT

**PRELIMINARY DRAWINGS**

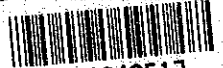
MAY 1983

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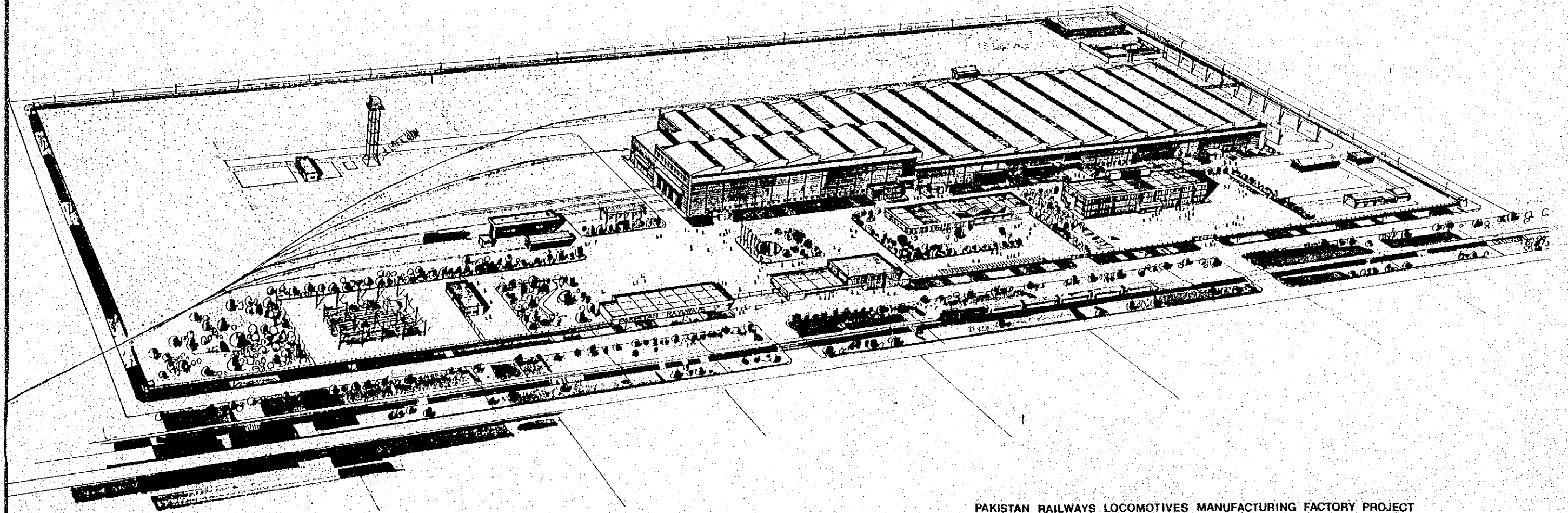
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PAKISTAN RAILWAYS LOCOMOTIVES MANUFACTURING FACTORY PROJECT

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ELECTRICAL FACILITY

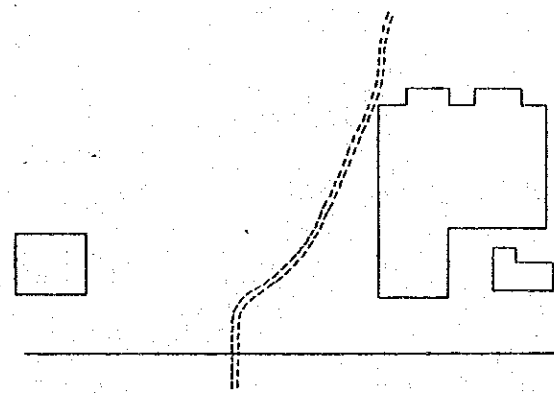
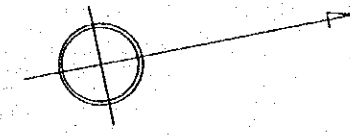
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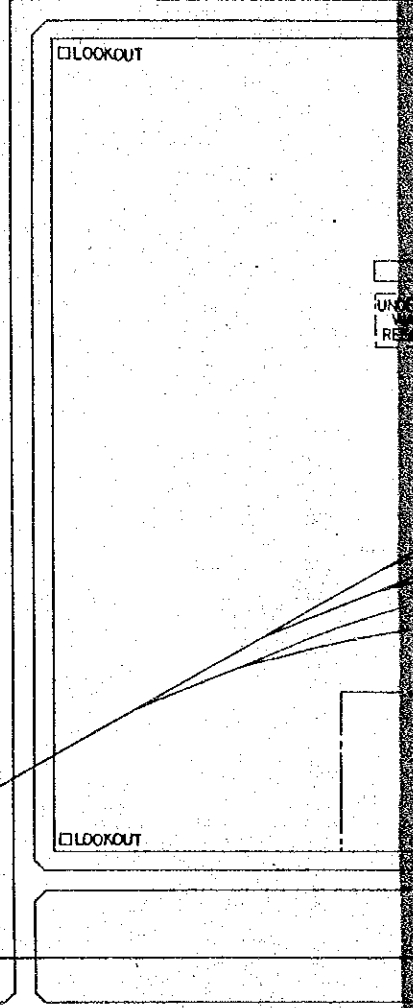
66KV POWER TRANSMISSION LINE

SULFUR GAS LINE



12.75  
263

SWITCHMAN'S HUT



F

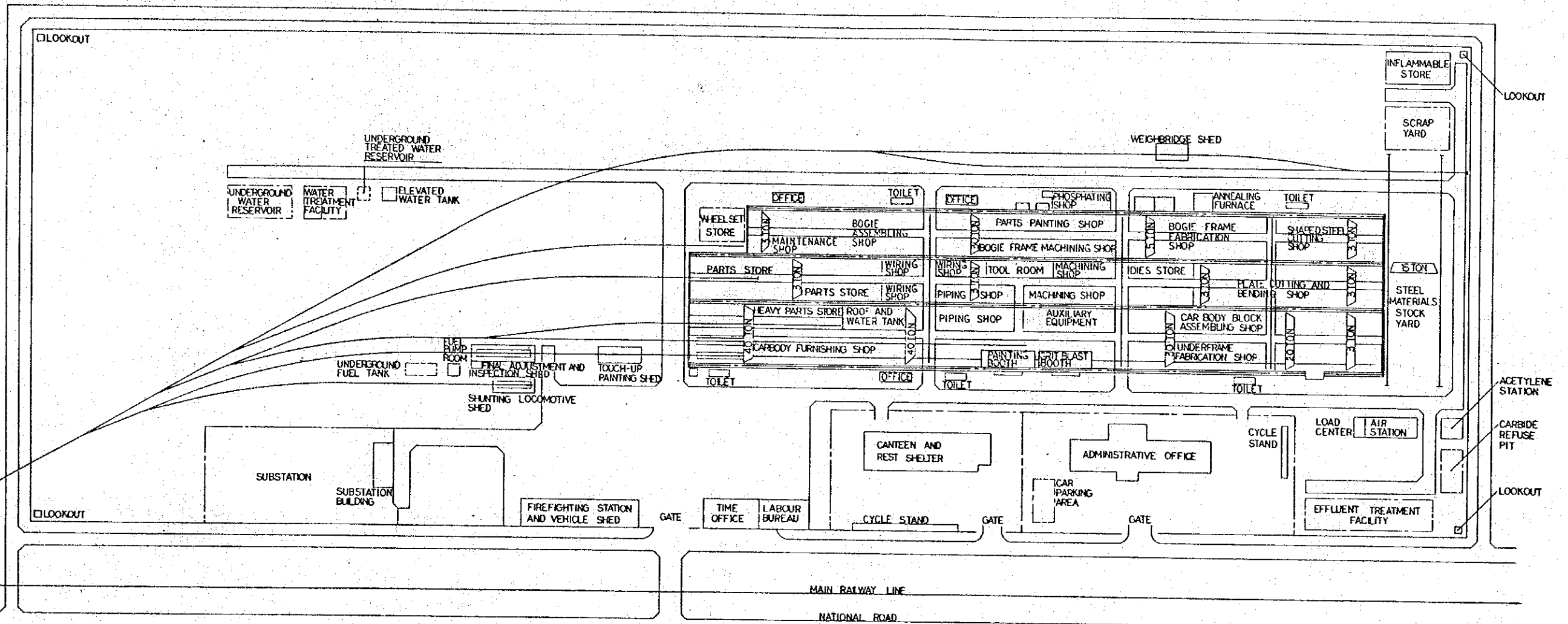
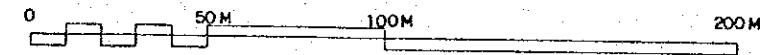


Fig. 0-1 GENERAL LAYOUT PLAN  
SCALE 1:1000



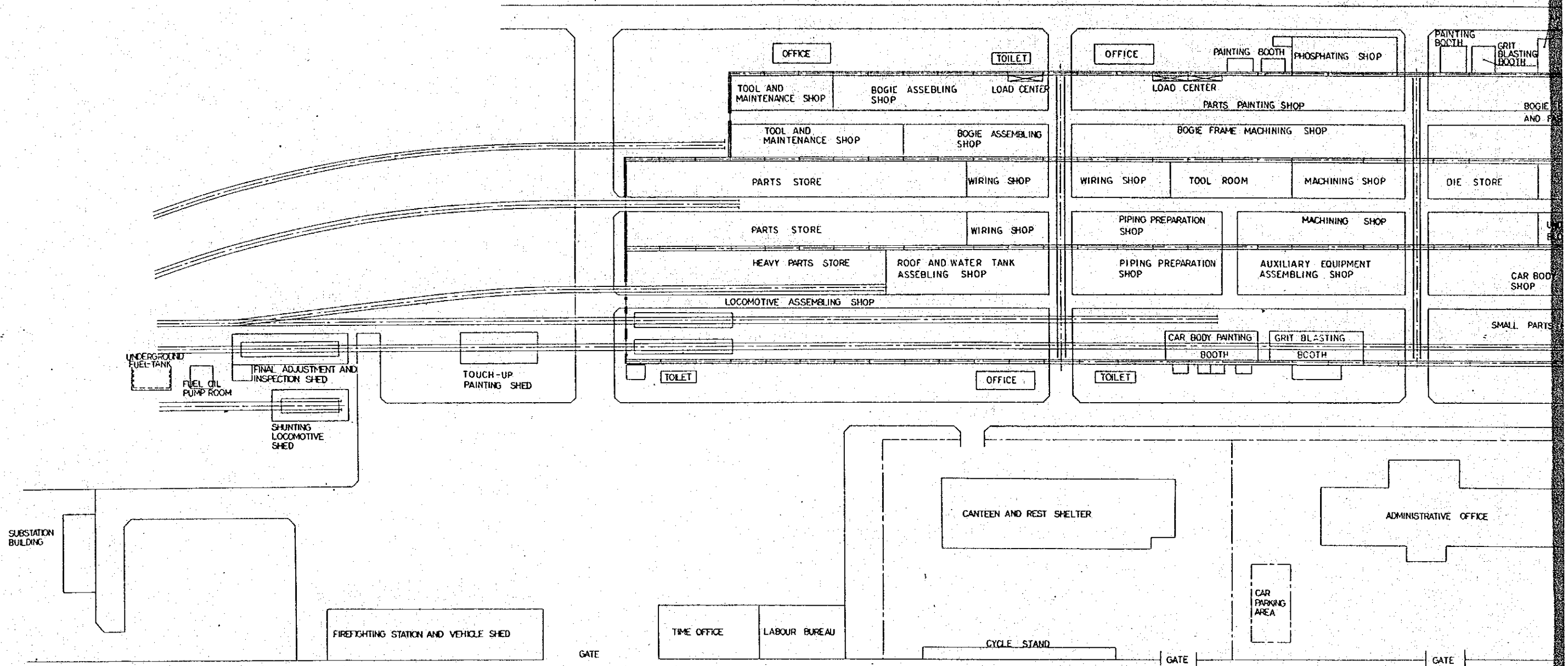
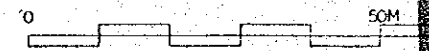


FIG. 0-2 SHOP LAYOUT PLAN  
SCALE 1:500





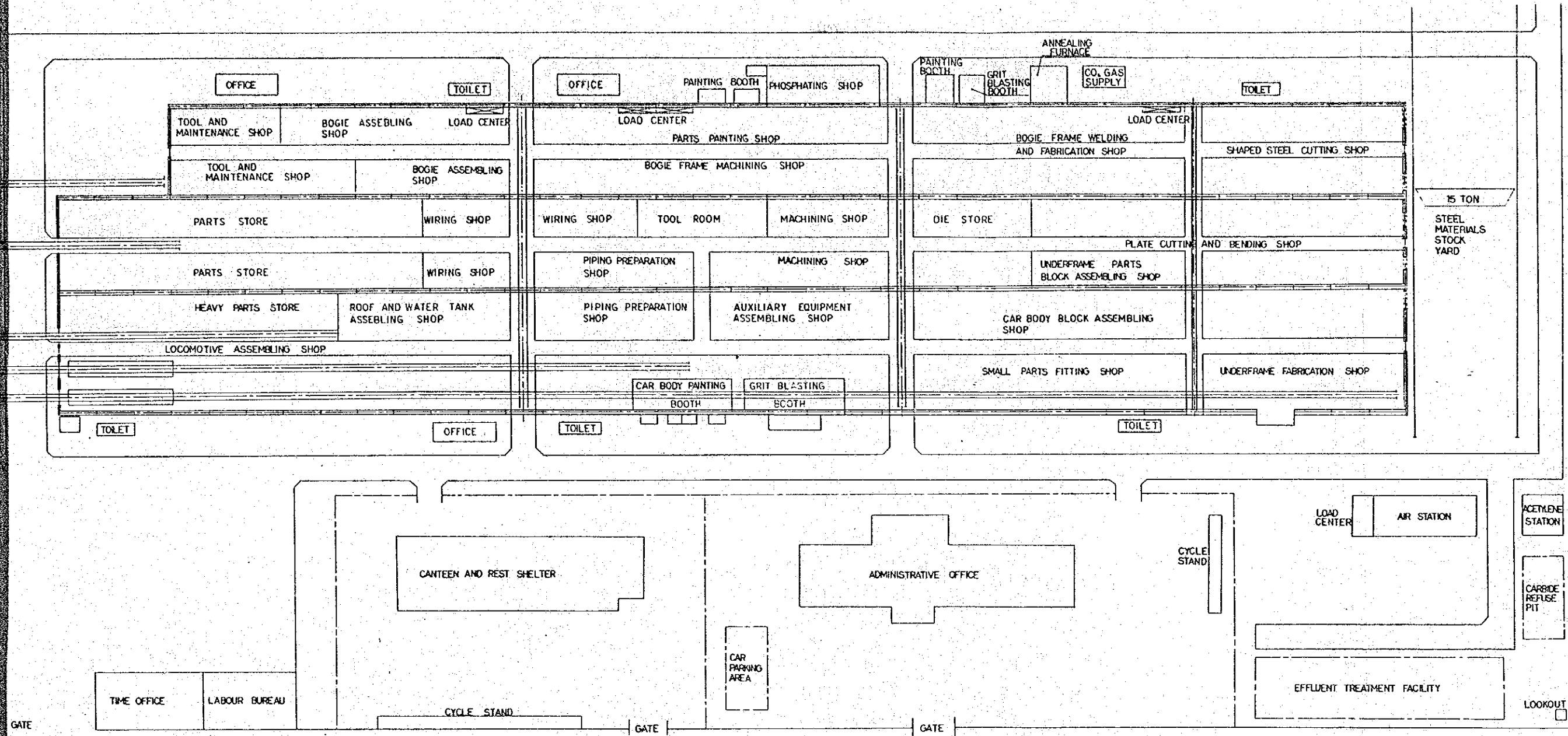
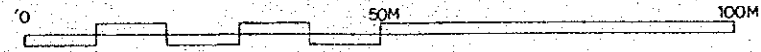


FIG. 0-2 SHOP LAYOUT PLAN  
SCALE 1:500



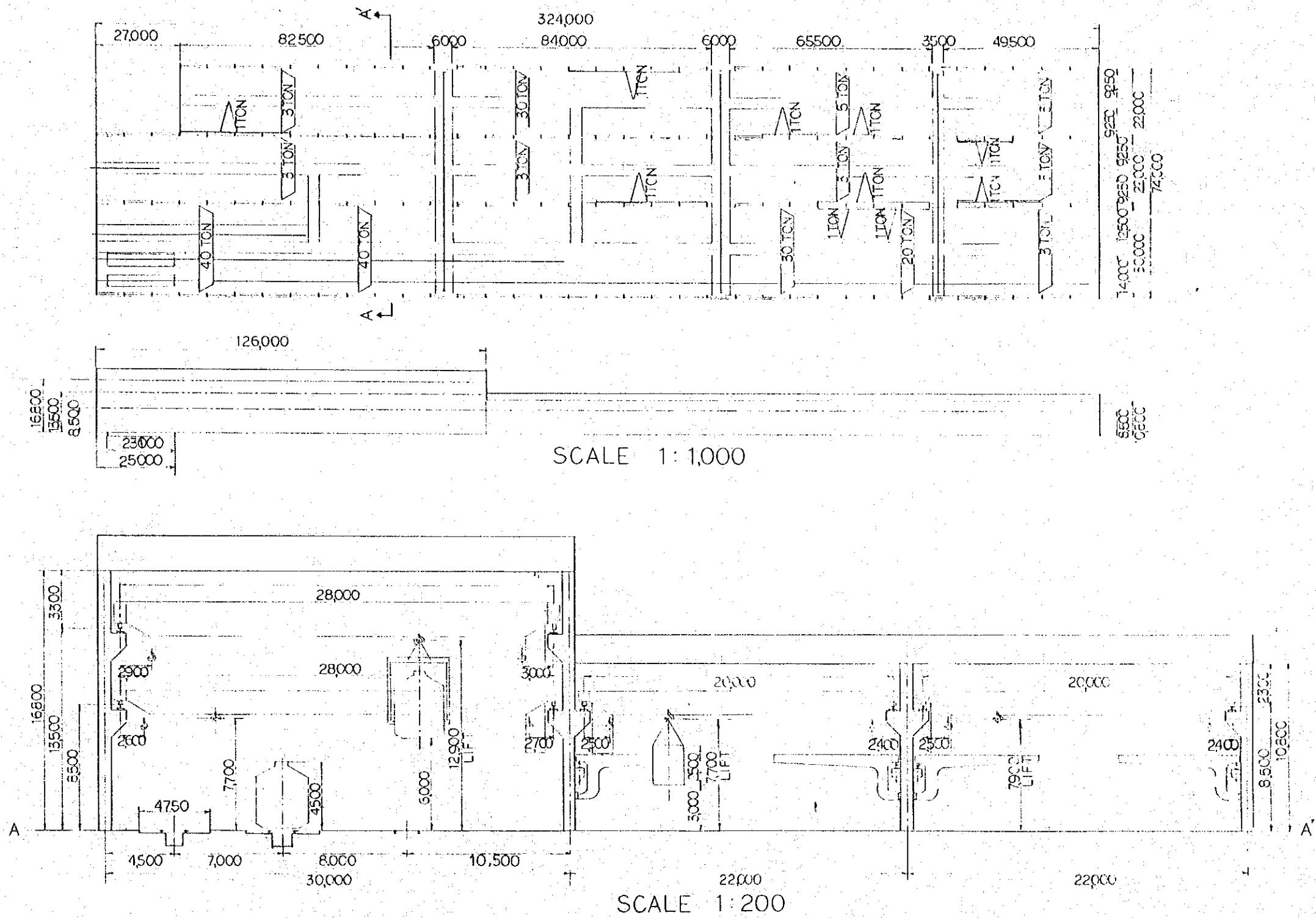
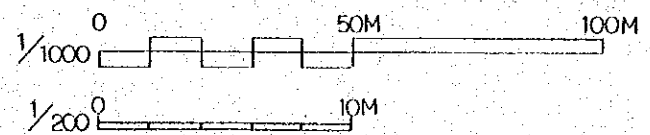


FIG. 0-3 PLAN OF MAIN WORKSHOP BUILDING  
SCALE 1:200, 1:1000



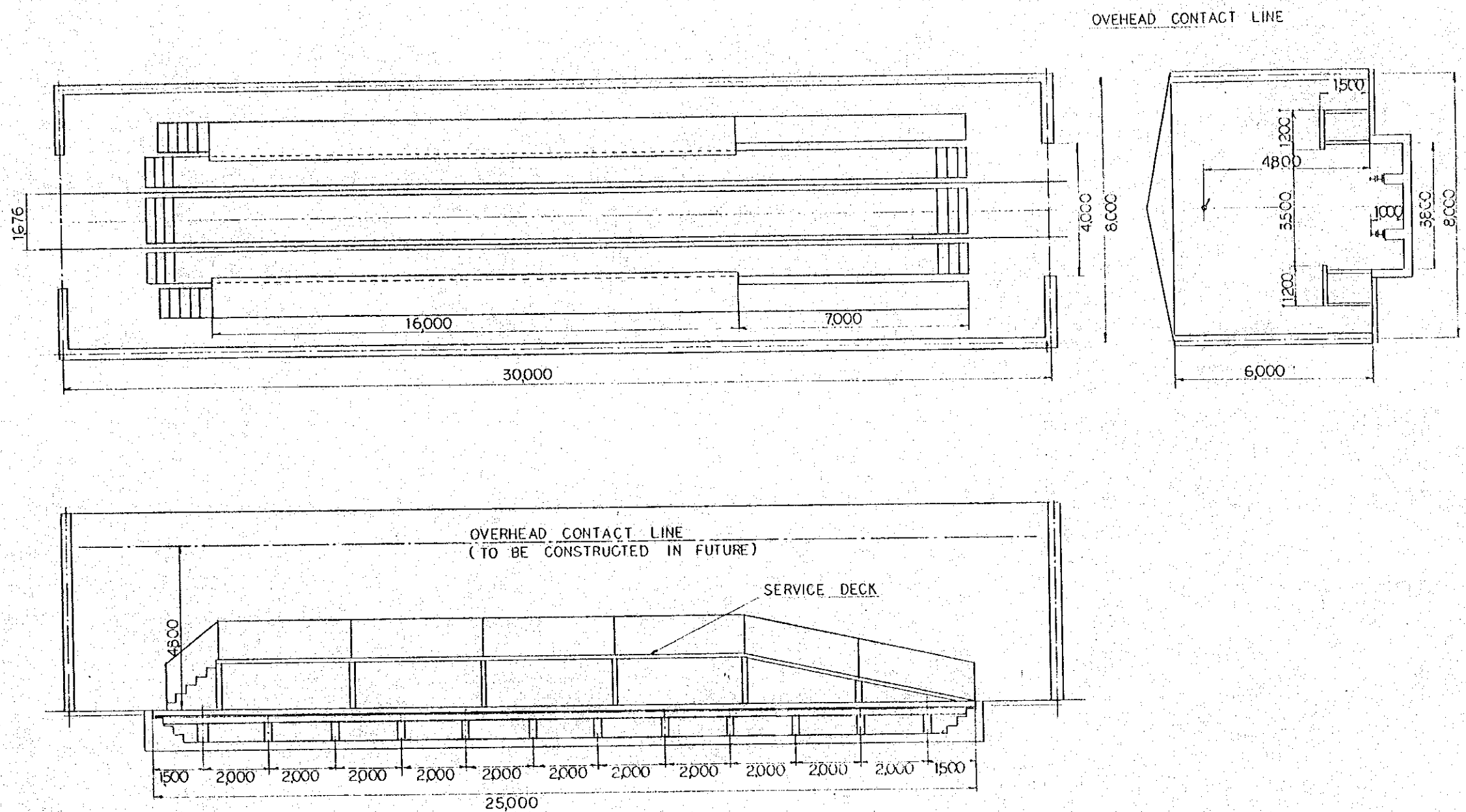
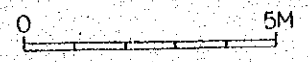


FIG.0-4 PLAN OF FINAL ADJUSTMENT AND INSPECTION SHED  
SCALE 1:100



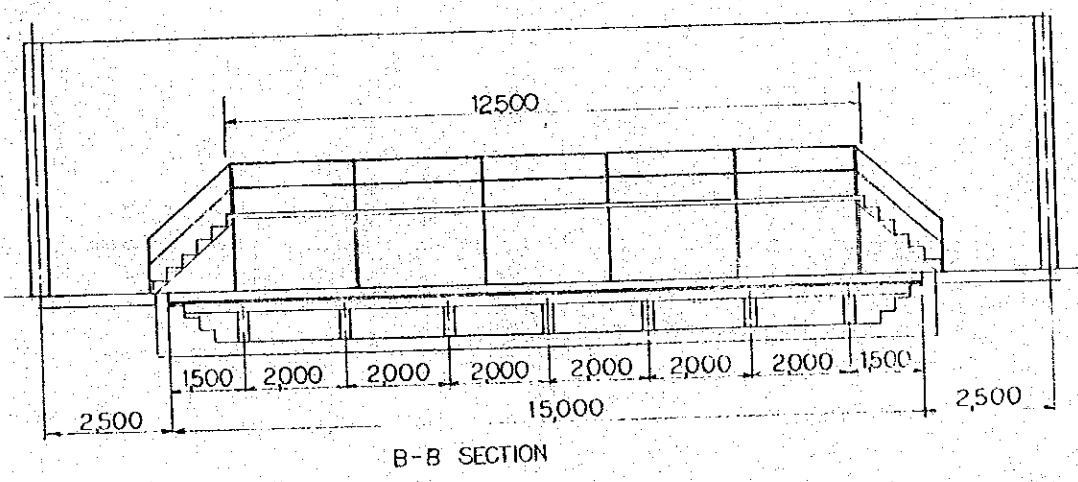
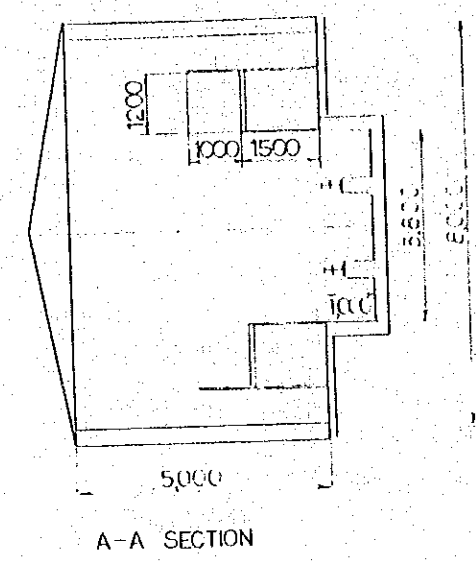
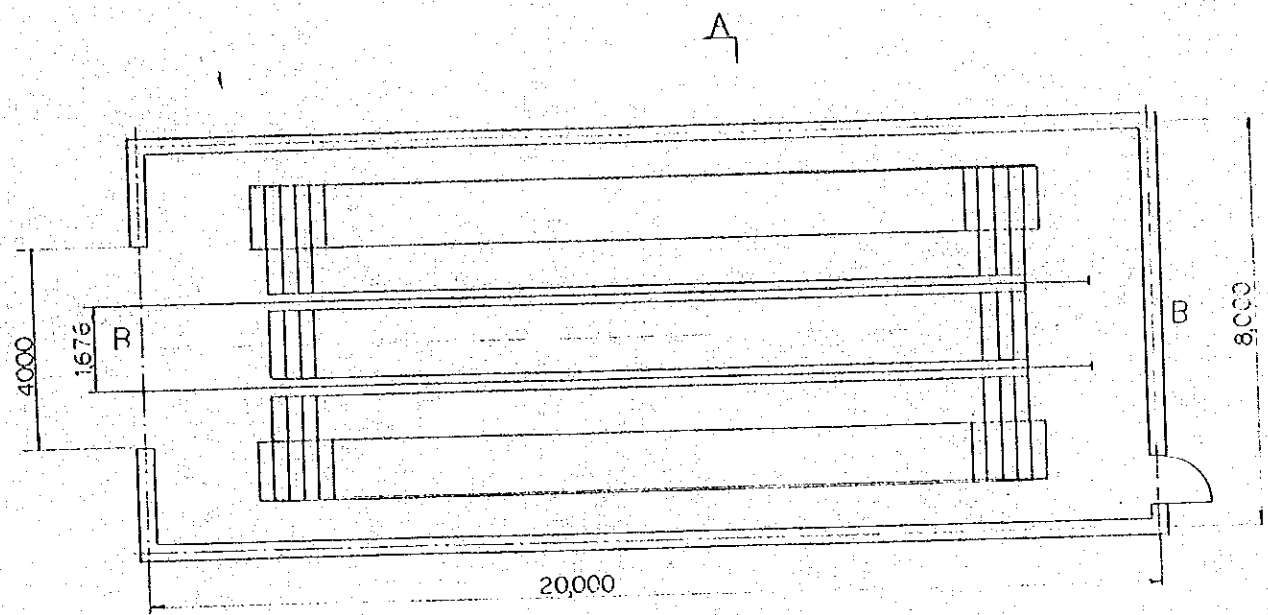


FIG.0-5 PLAN OF SHUNTING LOCOMOTIVE SHED  
SCALE 1:100

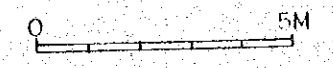


FIG.0-5

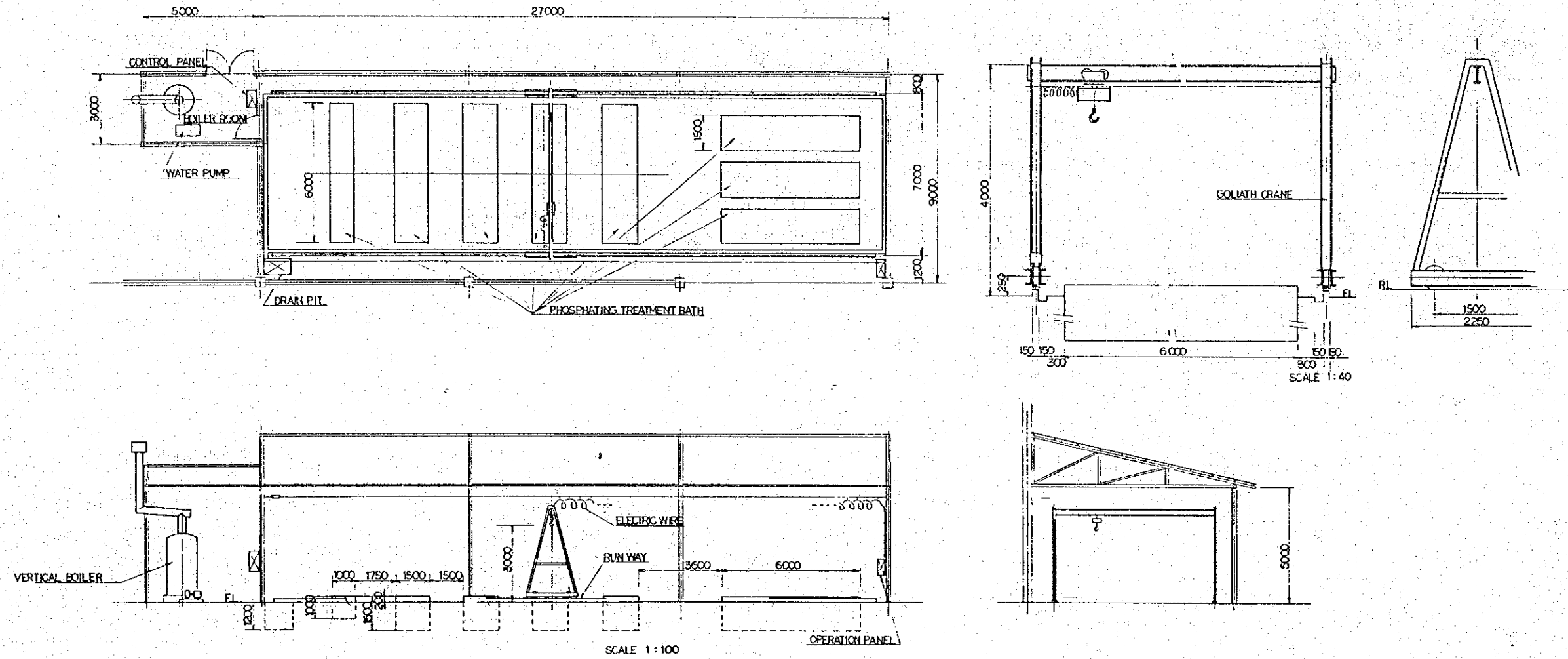


FIG. O-6 PLAN OF PHOSPHATING TREATMENT SHOP

SCALE 1:100, 1:40

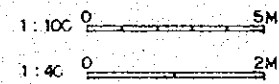
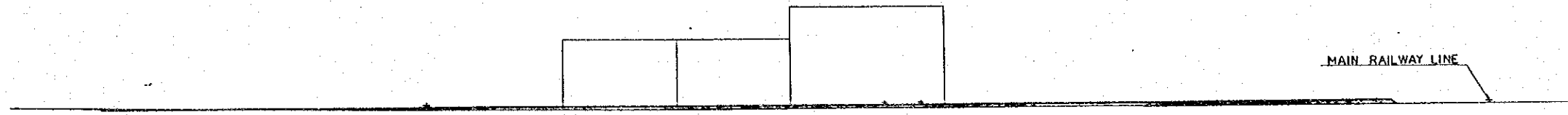
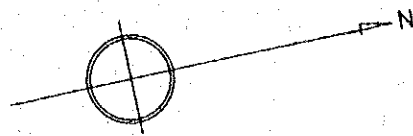
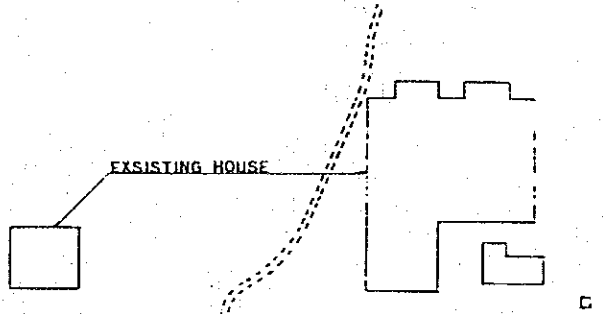


FIG. O-6

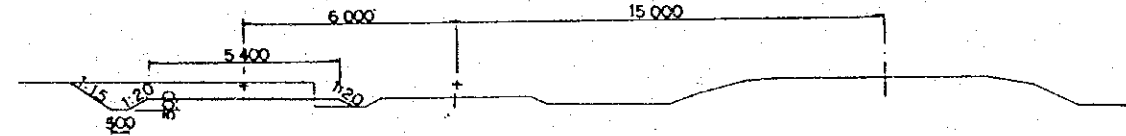


MAIN RAILWAY LINE

CROSS SECTION B-B  
SCALE-1:500



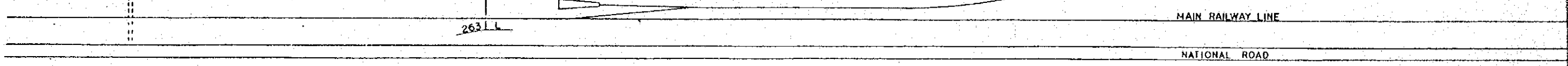
EXISTING HOUSE



CROSS SECTION A-A  
SCALE-1:100

SWITCHMAN HUT

12.75  
263 L



MAIN RAILWAY LINE

NATIONAL ROAD

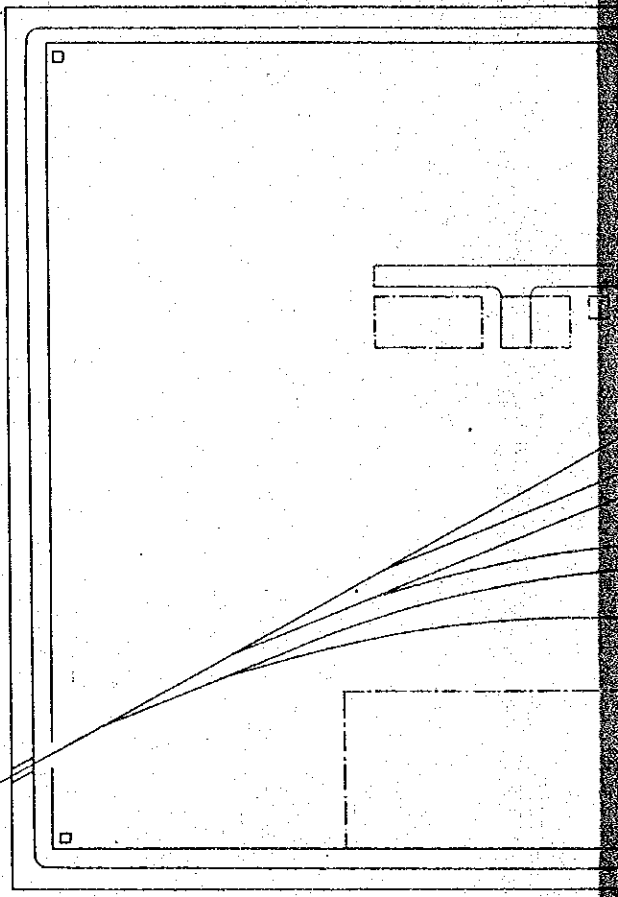


FIG.1-1 GRADING PLAN  
SCALE - 1:1000

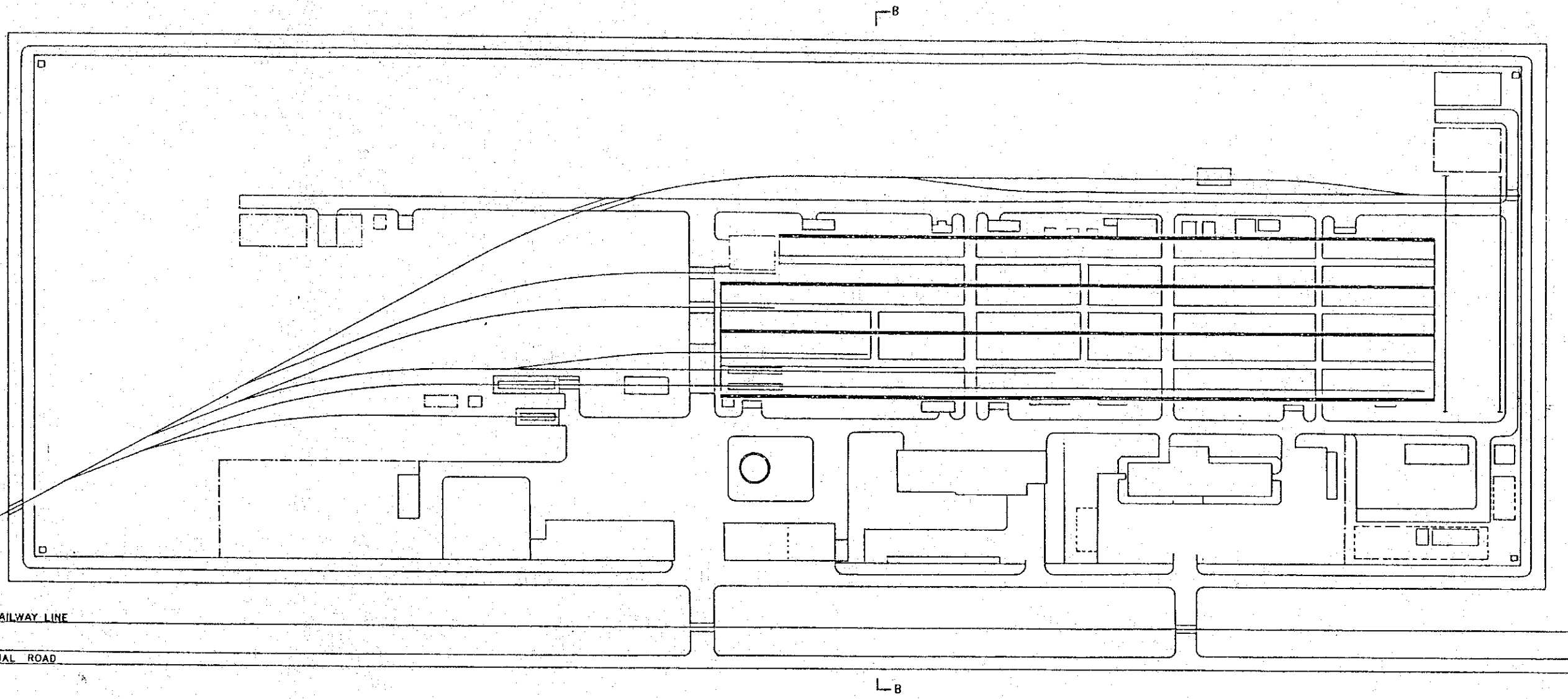
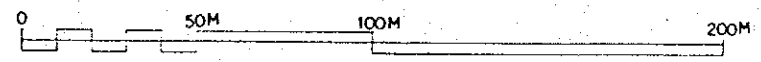
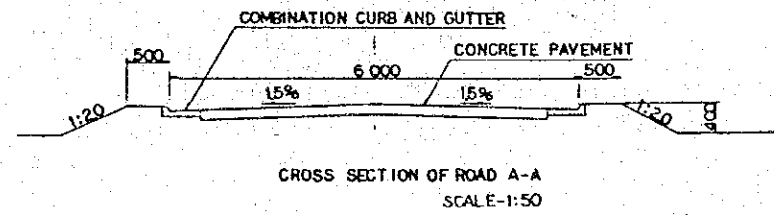
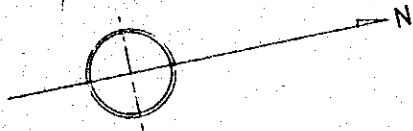


FIG.1-1 GRADING PLAN  
SCALE - 1:1000





LEGEND

- ROAD
- PLANTING AREA

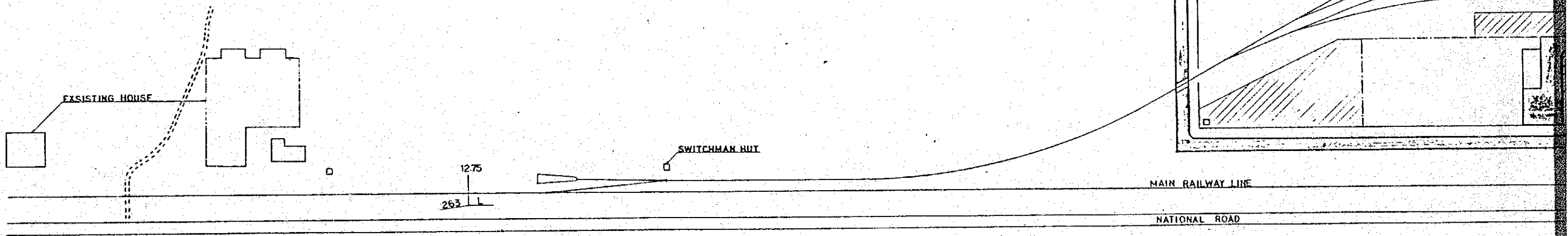
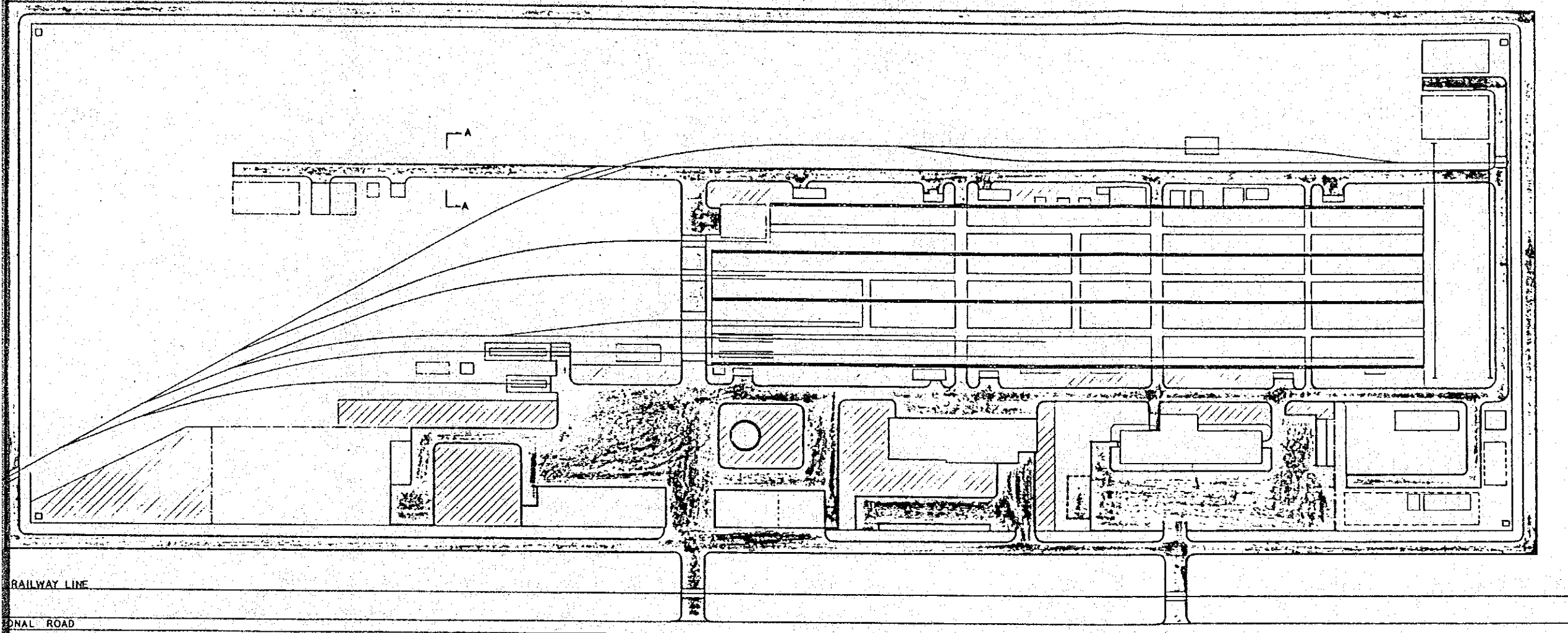


FIG.1-2 LAYOUT OF ROAD AND PLANTING  
SCALE -1:1000





LAYOUT OF ROAD AND PLANTING  
SCALE -1:1000

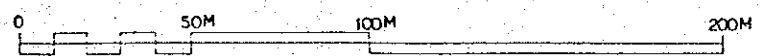
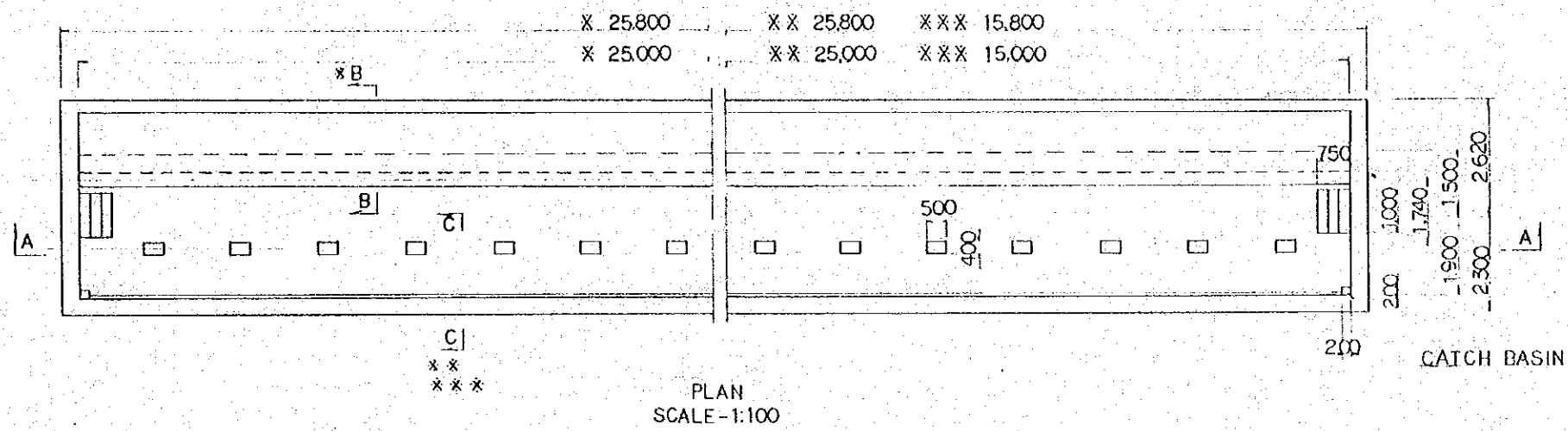
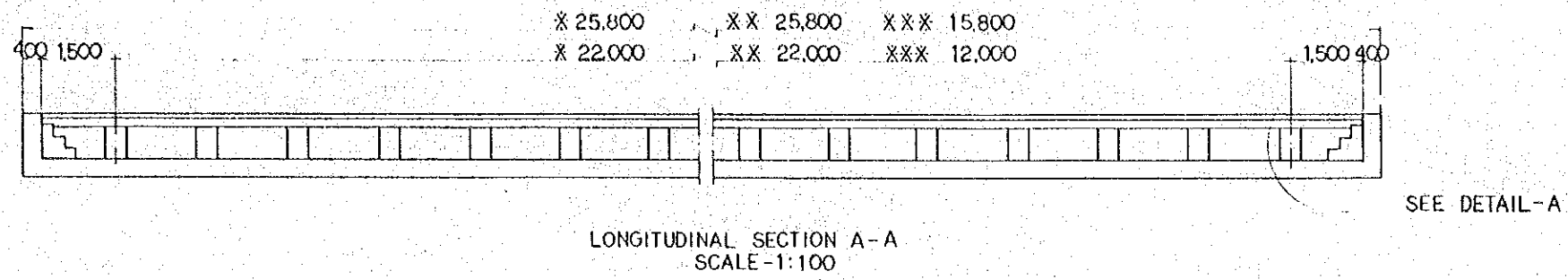


FIG. 1-2



- LEGEND
- X MAIN WORKSHOP
  - XX FINAL ADJUSTMENT AND INSPECTION SHED
  - XXX SHUNTING LOCOMOTIVE SHED

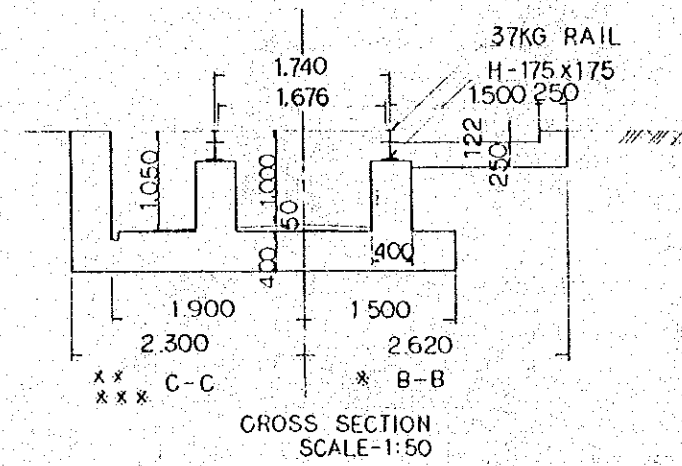
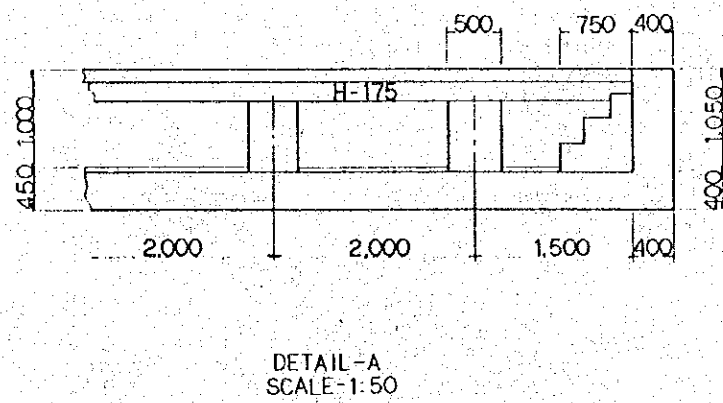


FIG 1-3 DETAILS OF INSPECTION PIT

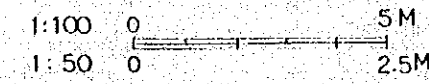
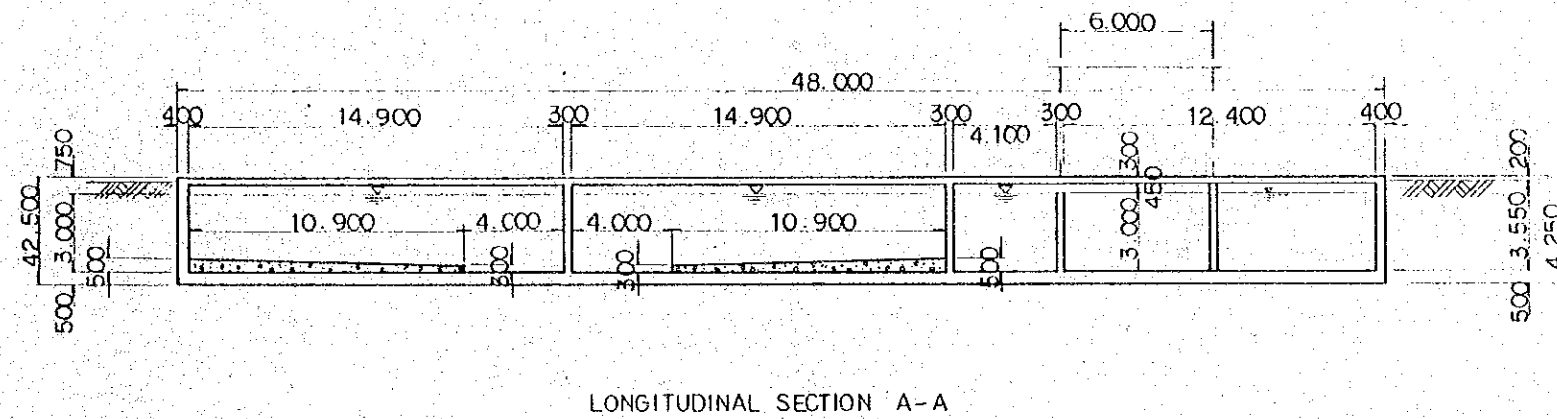
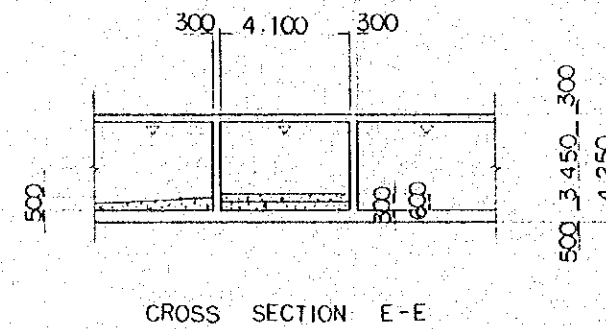
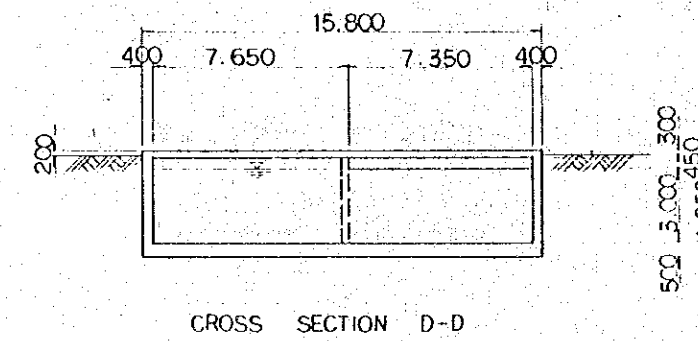
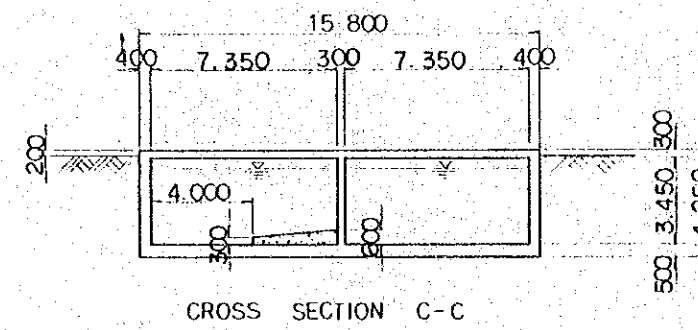
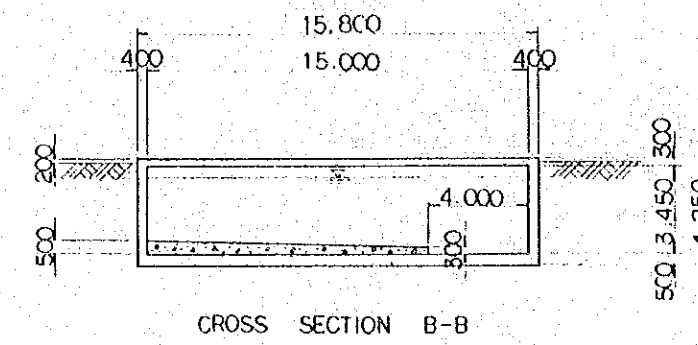
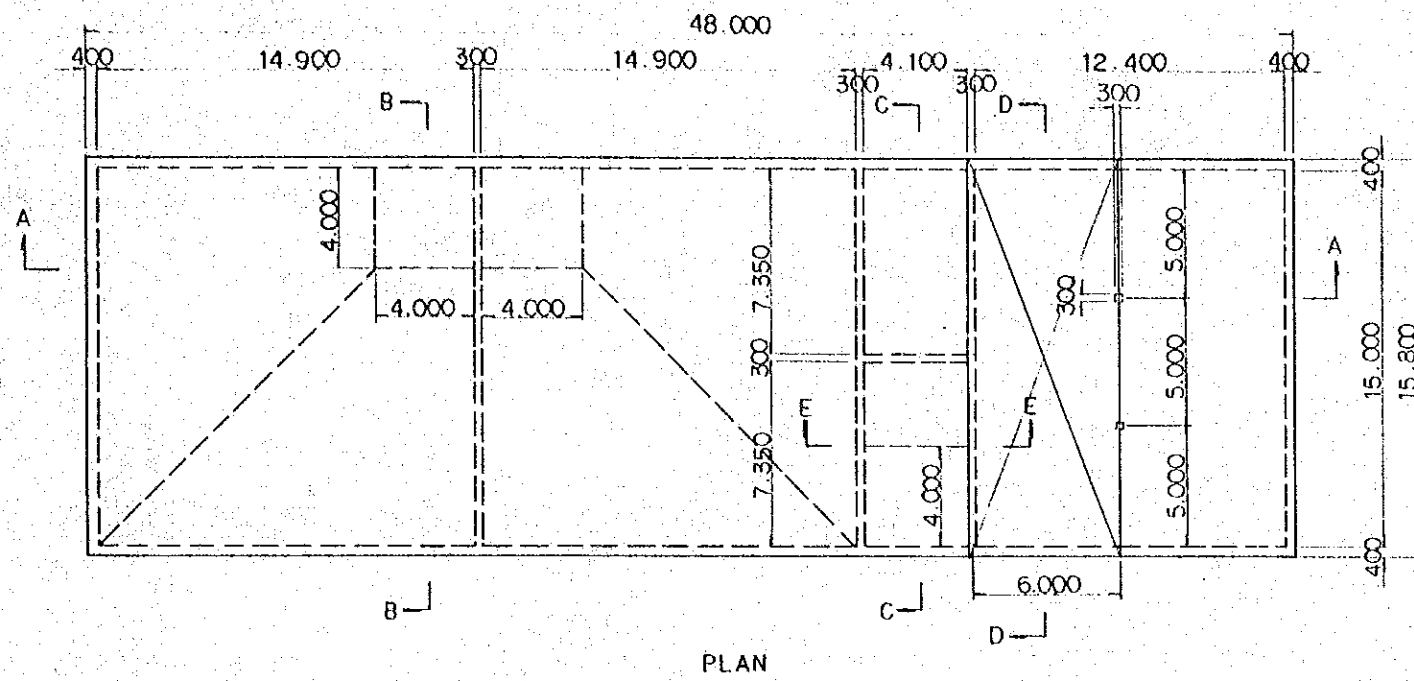


FIG. 1-3

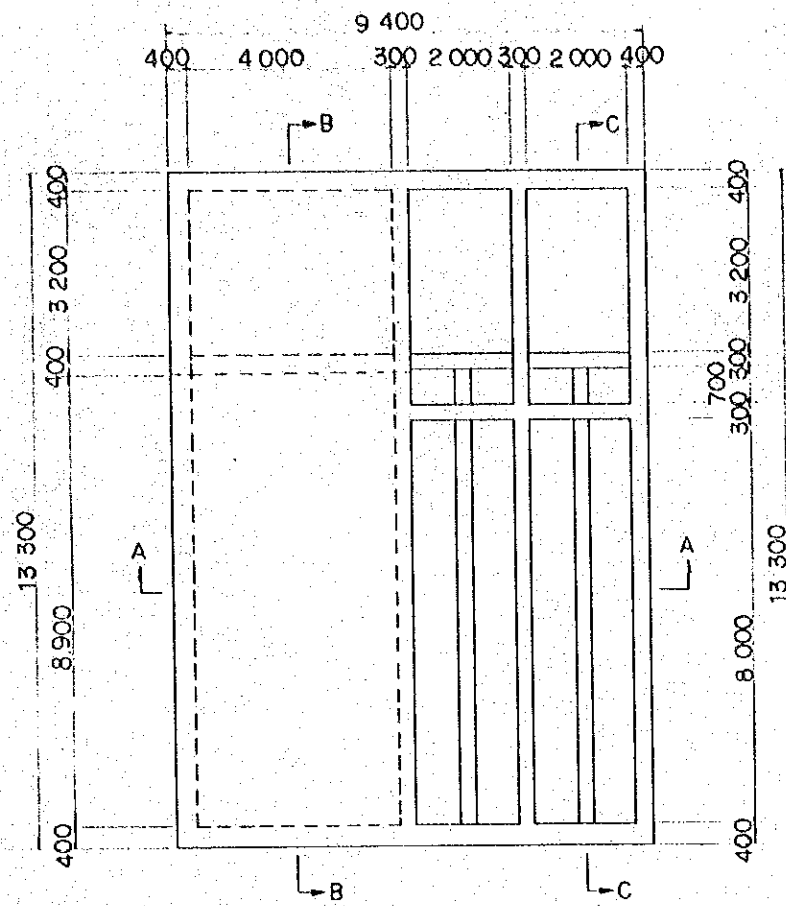


NOTE REFER TO FIG. 6-3-2

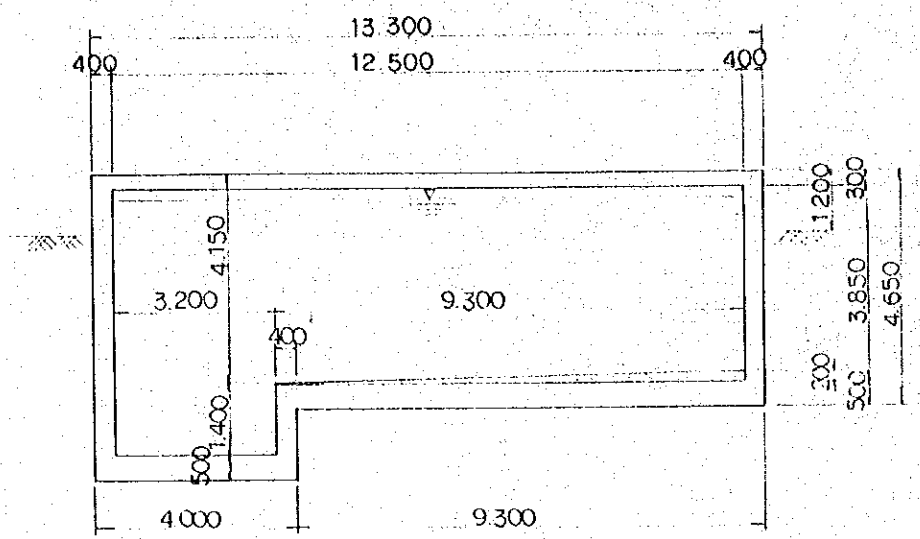
FIG. 1-4 UNDERGROUND WATER RESERVOIR  
SCALE 1:200



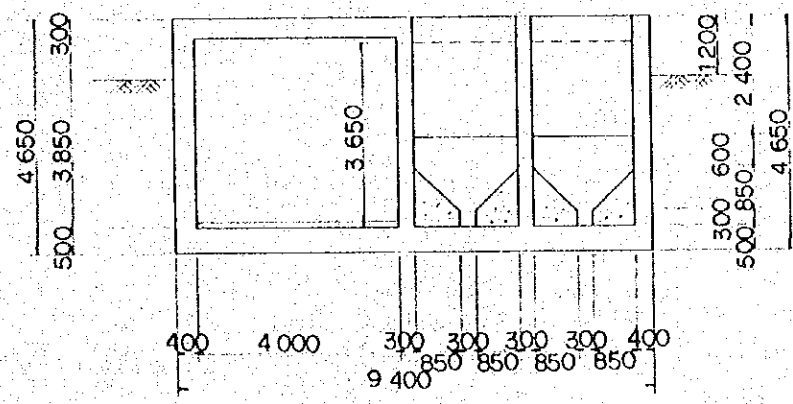
FIG. 1-4



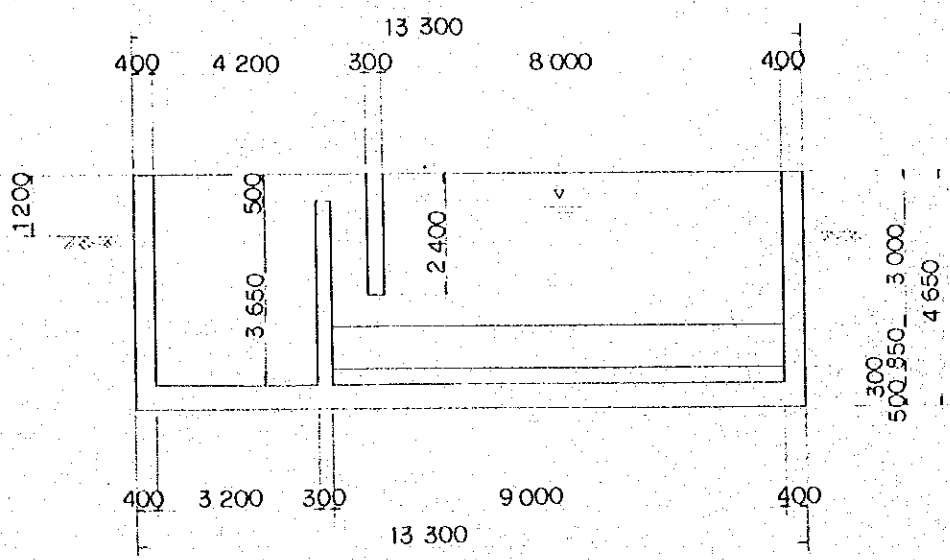
PLAN OF EFFLUENT WATER TANK



CROSS SECTION B-B



CROSS SECTION A-A



CROSS SECTION C-C

NOTE REFER TO FIG. 6-4-2

FIG. 1-5-1 EFFLUENT TREATMENT TANK PART 1  
SCALE - 1:100

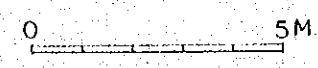
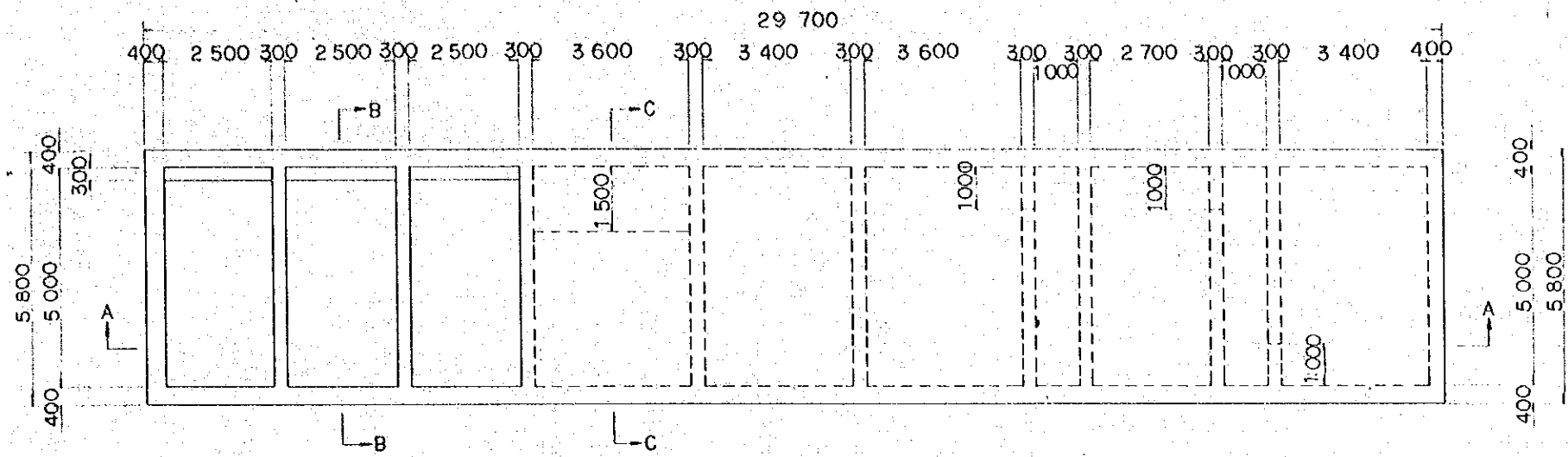
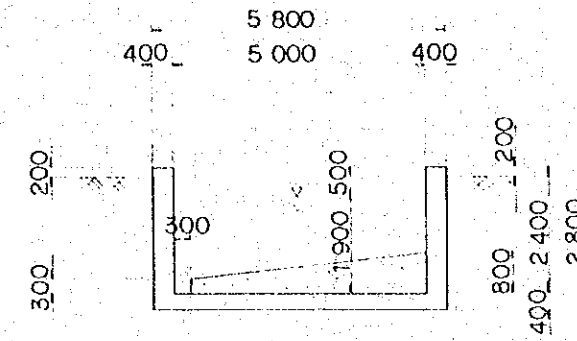


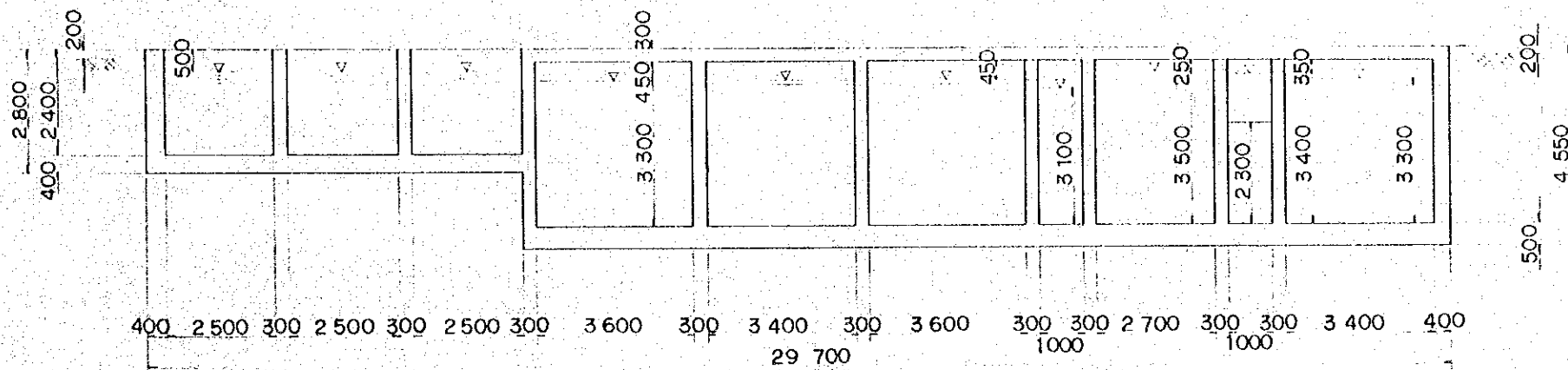
FIG. 1-5-1



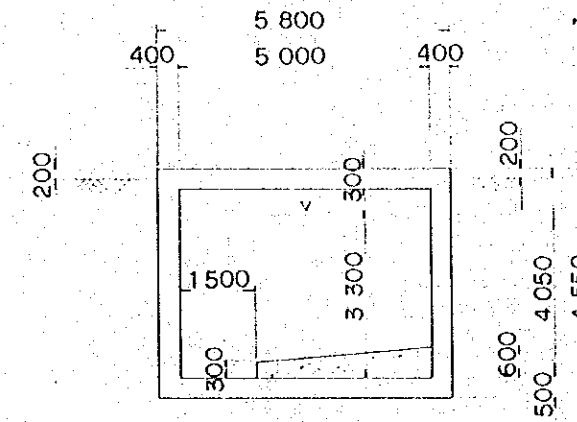
PLAN OF FILTERED WATER TANK AND SCUM STORAGE TANK



CROSS SECTION B-B



CROSS SECTION A-A



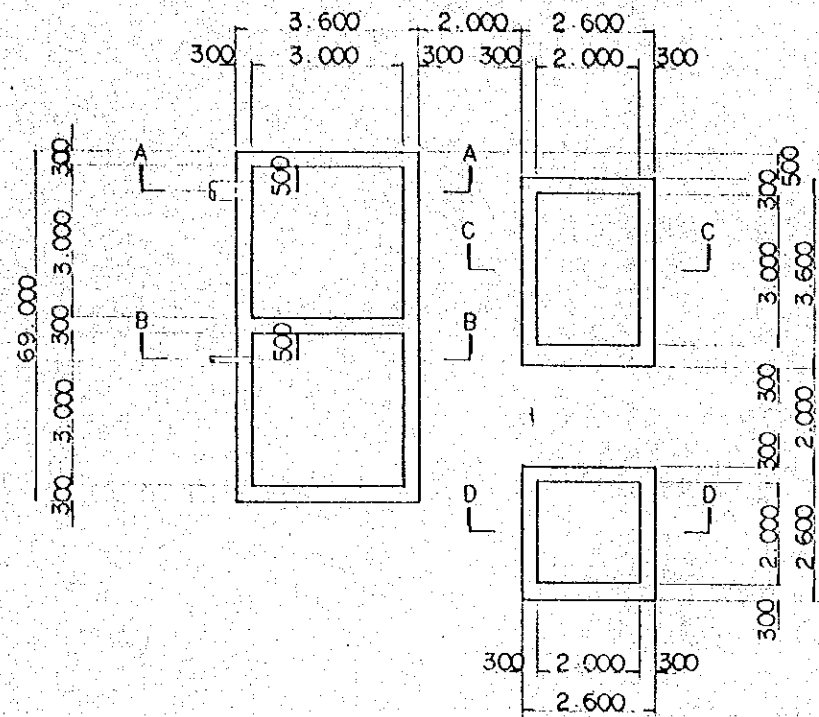
CROSS SECTION C-C

NOTE REFER TO FIG.6-4-2

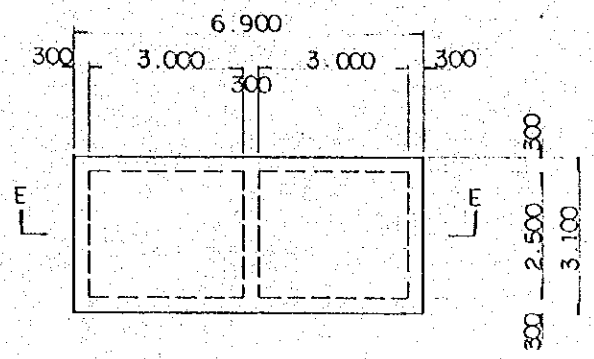
FIG.1-5-2 EFFLUENT TREATMNT TANK PART 2  
SCALE - 1:100



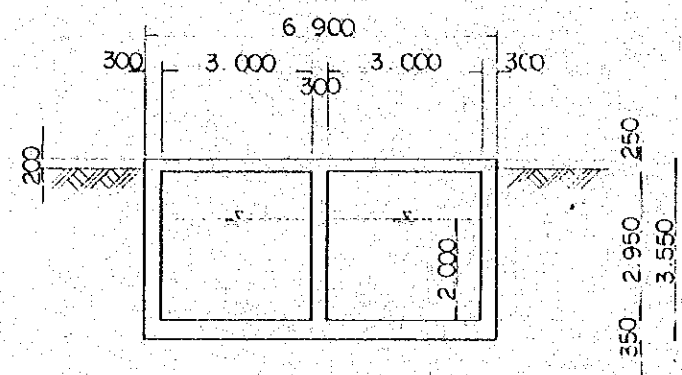
FIG.1-5-2



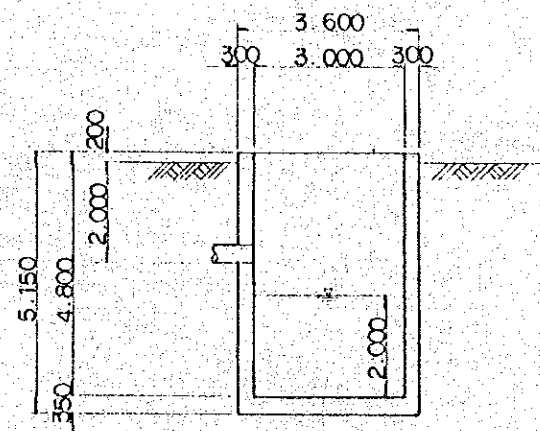
PLAN OF TANKS FOR EFFLUENT WATER FROM PHOSPHATING SHOP



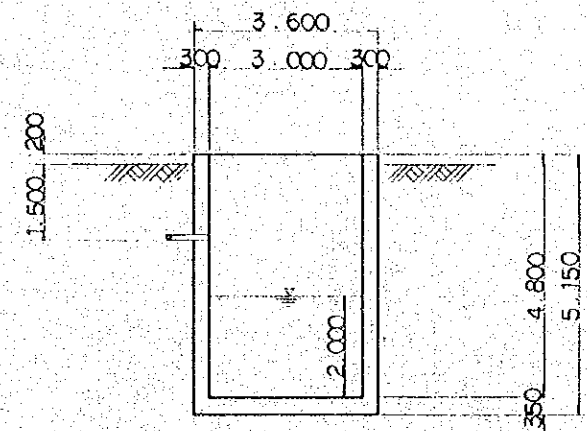
PLAN



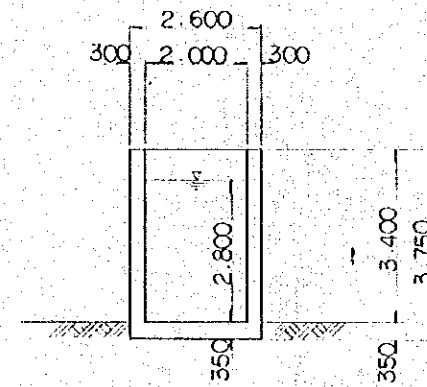
CROSS SECTION E-E



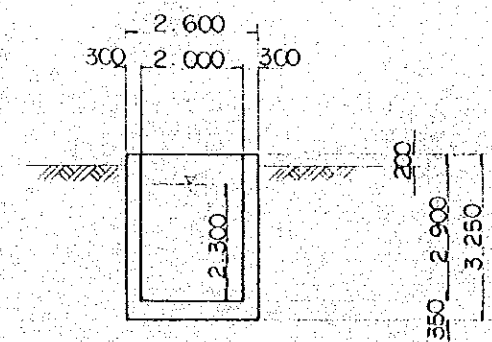
CROSS SECTION A-A



CROSS SECTION B-B



CROSS SECTION C-C



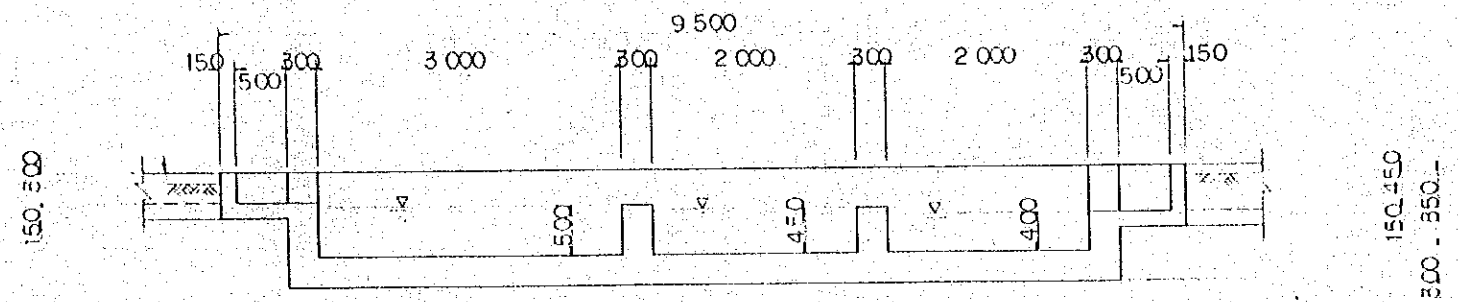
CROSS SECTION D-D

NOTE REFER TO FIG. 6-4-2

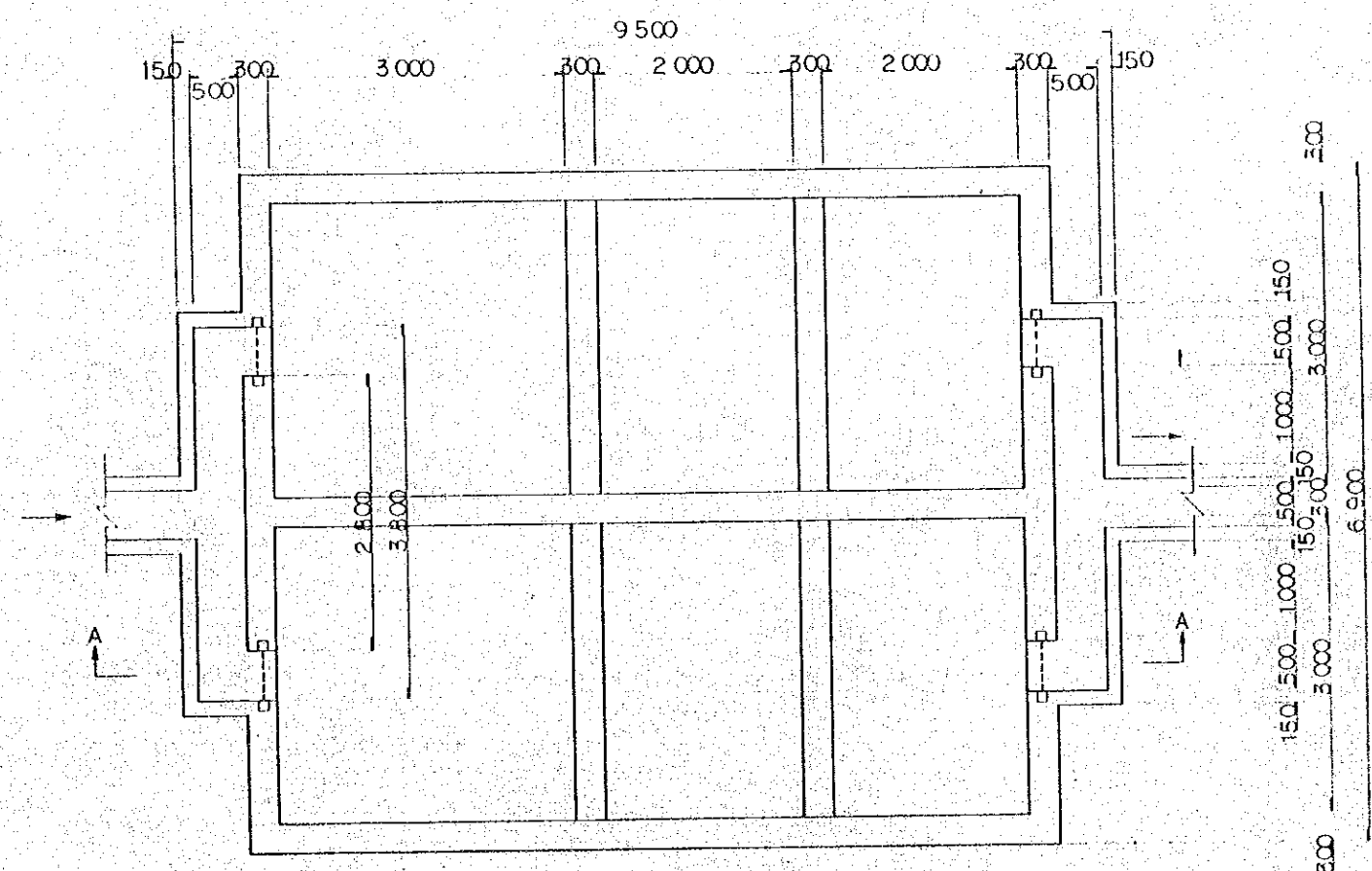
FIG. 1-5-3 EFFLUENT TREATMENT TANK PART 3  
SCALE - 1:100



FIG. 1-5-3



CROSS SECTION A--A



PLAN

FIG.1-6 CARBIDE REFUSE PIT  
SCALE-1:50



FIG.1-6

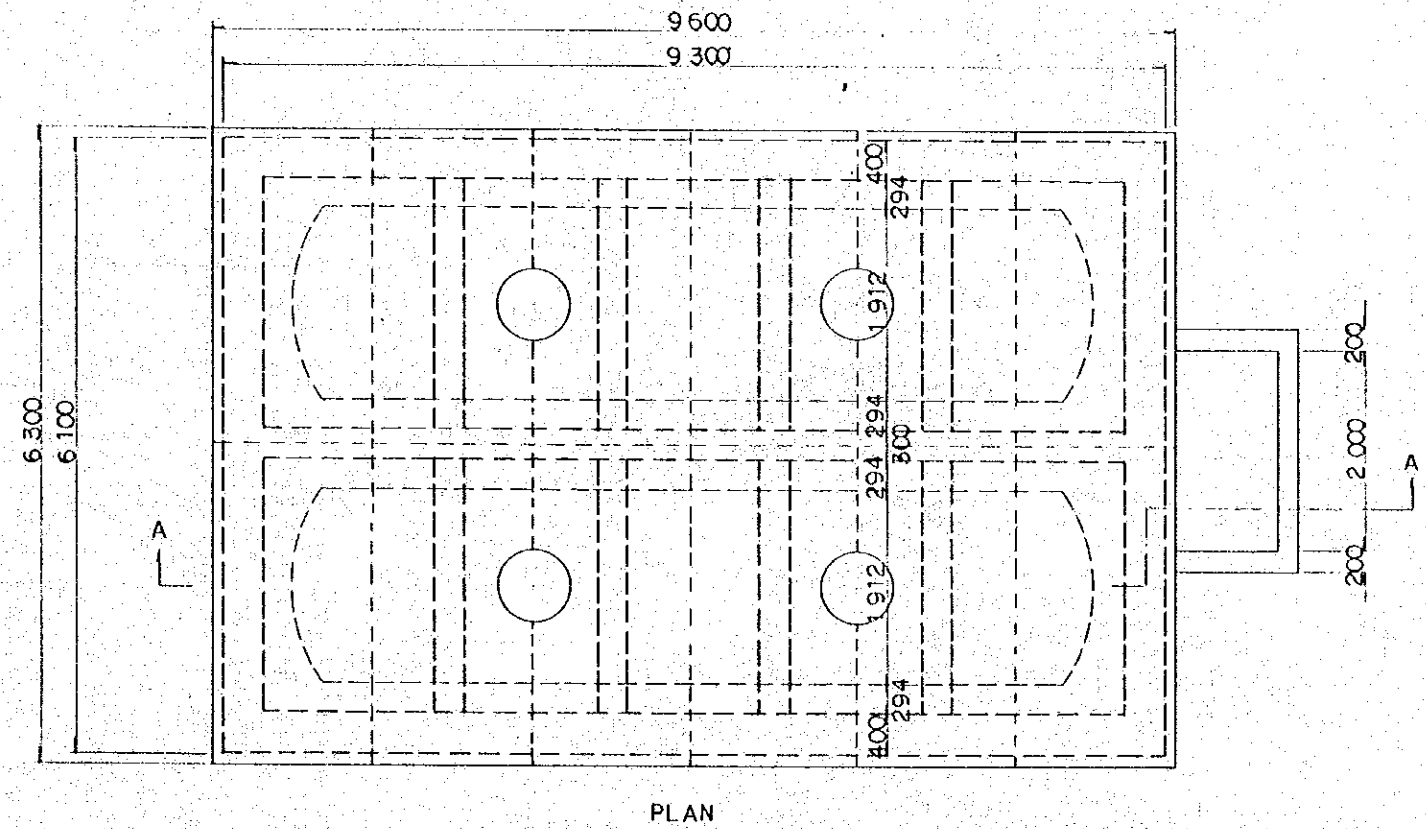
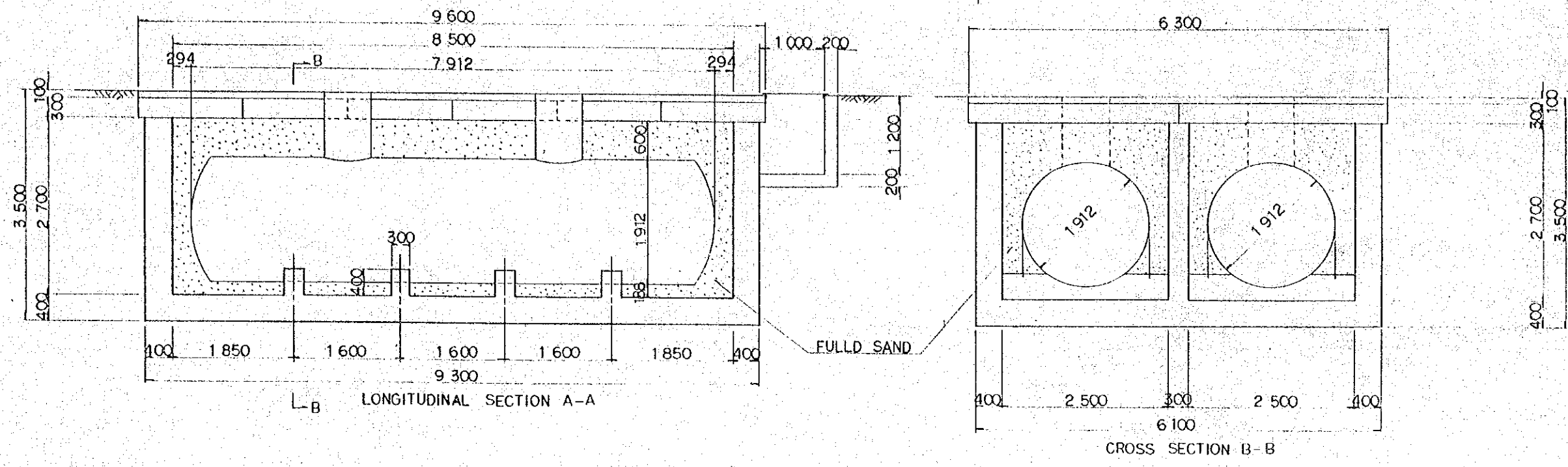


FIG.1-7 UNDERGROUND FUEL TANK PIT  
SCALE -1:50

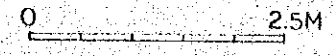
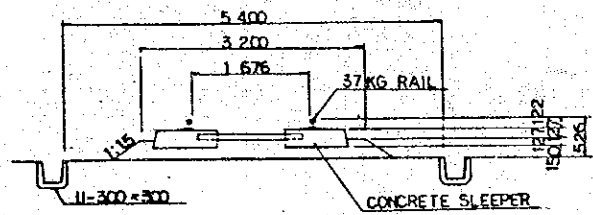
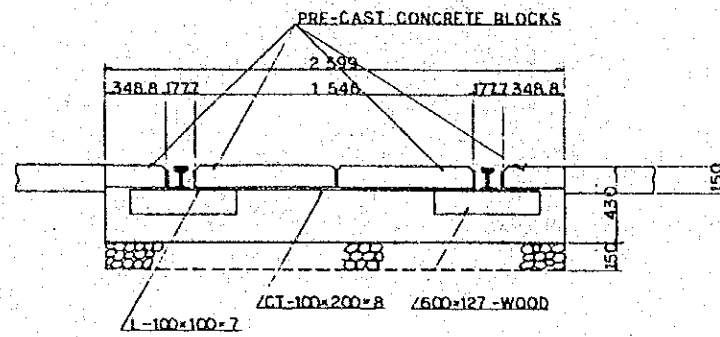
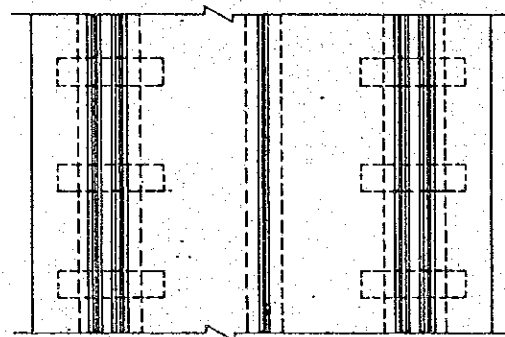


FIG 1-7





TYPICAL CROSS SECTION OF TRACK  
SCALE-1:50

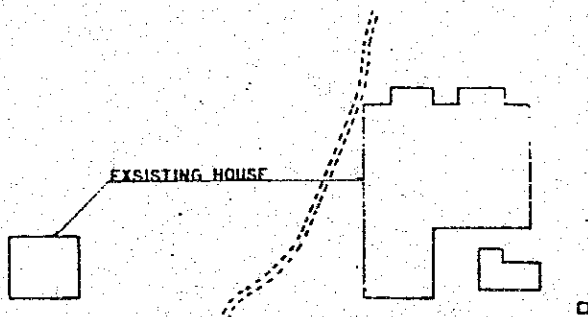


PLAN

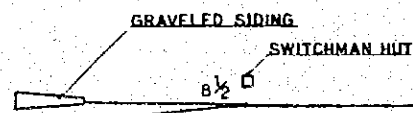
TRACK IN WORK SHOP  
SCALE 1:20

LEGEND

RAILROAD CROSSING



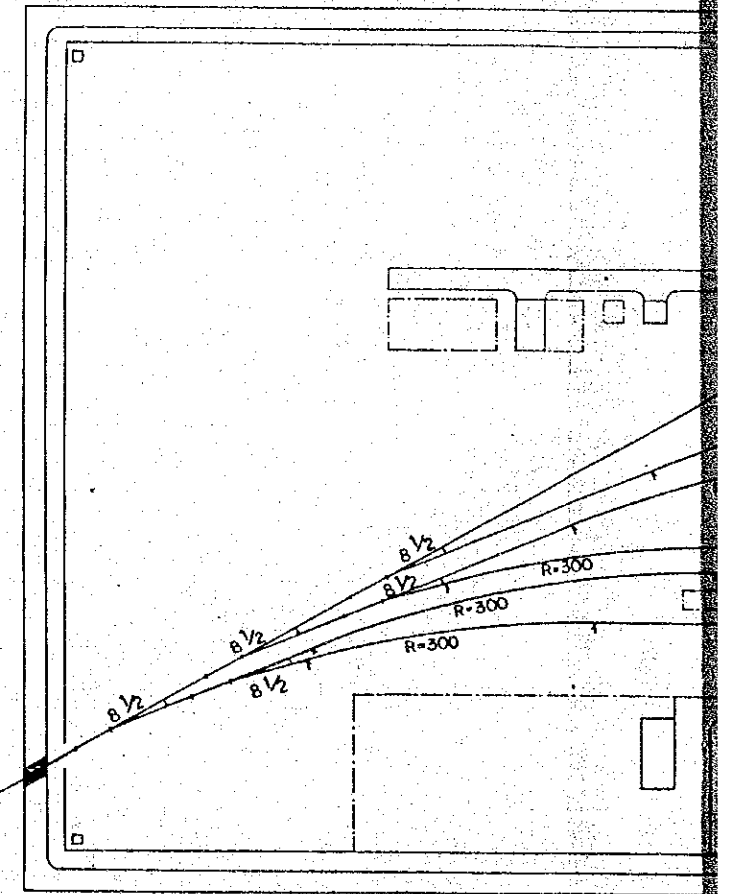
12.75  
263



R=300

MAIN RAILWAY LINE

NATIONAL ROAD



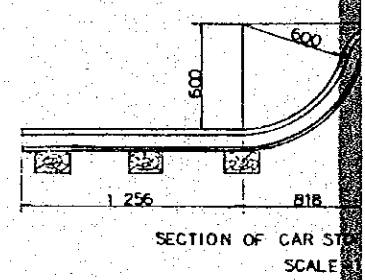
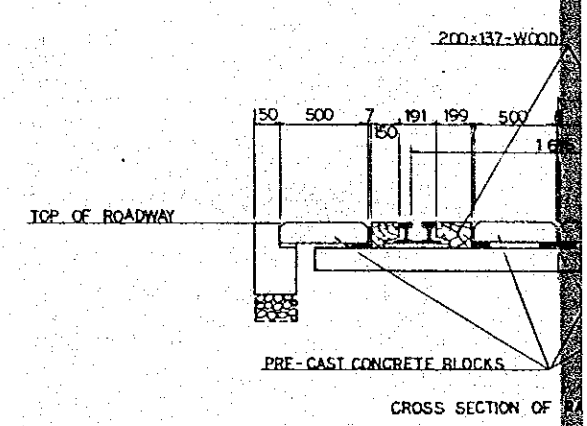
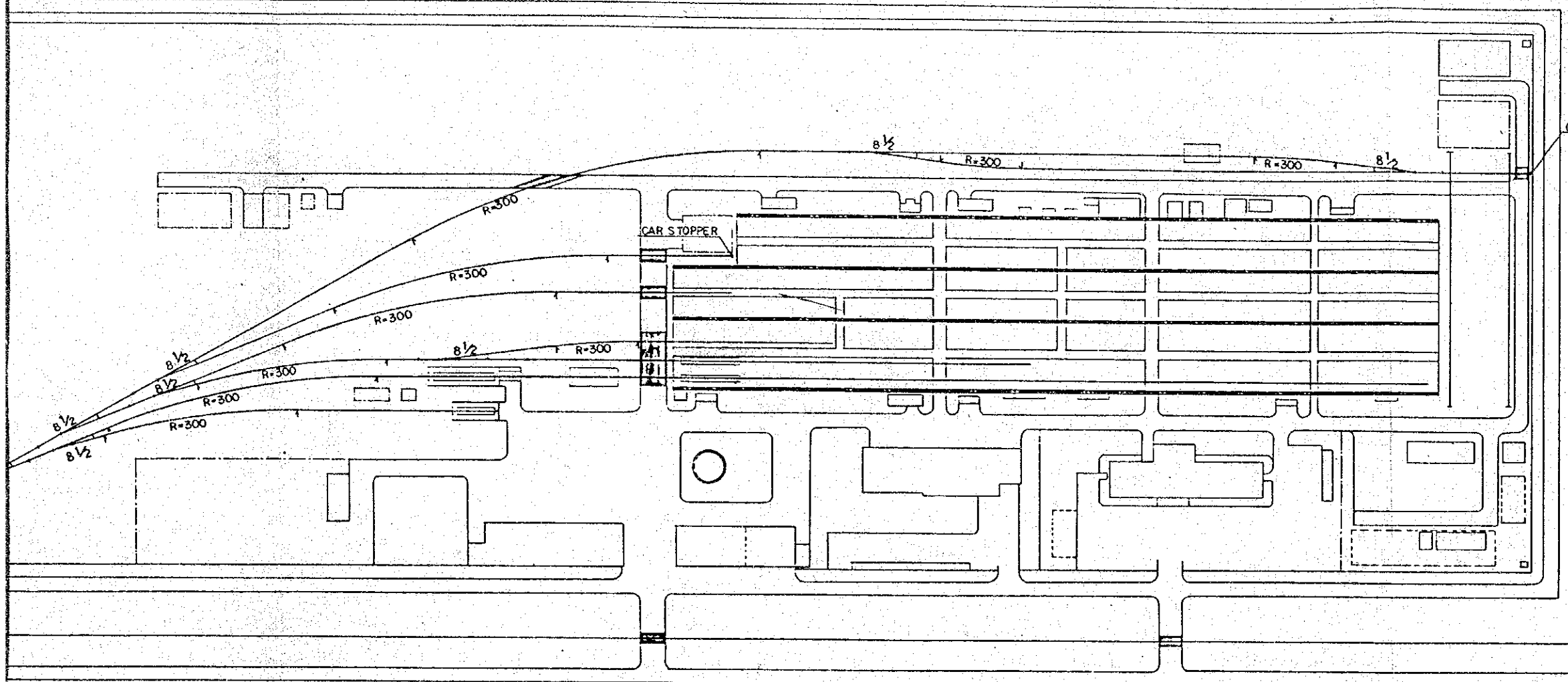
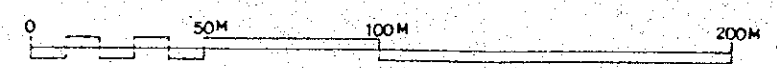
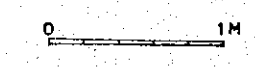
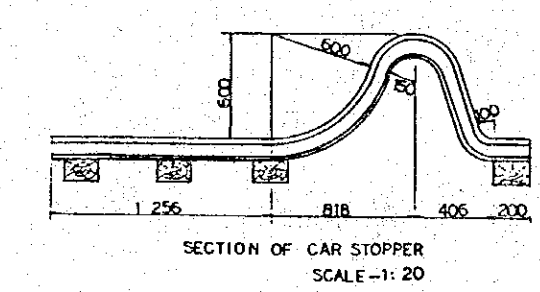
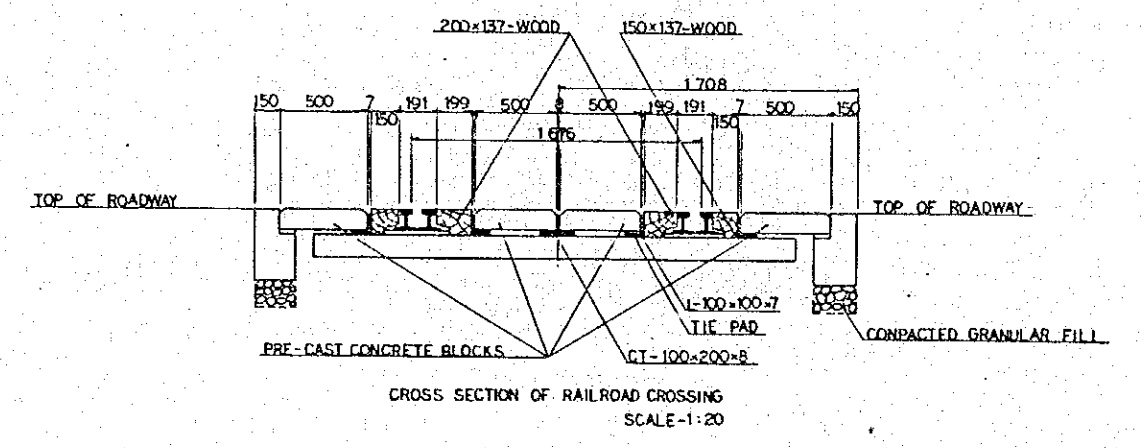
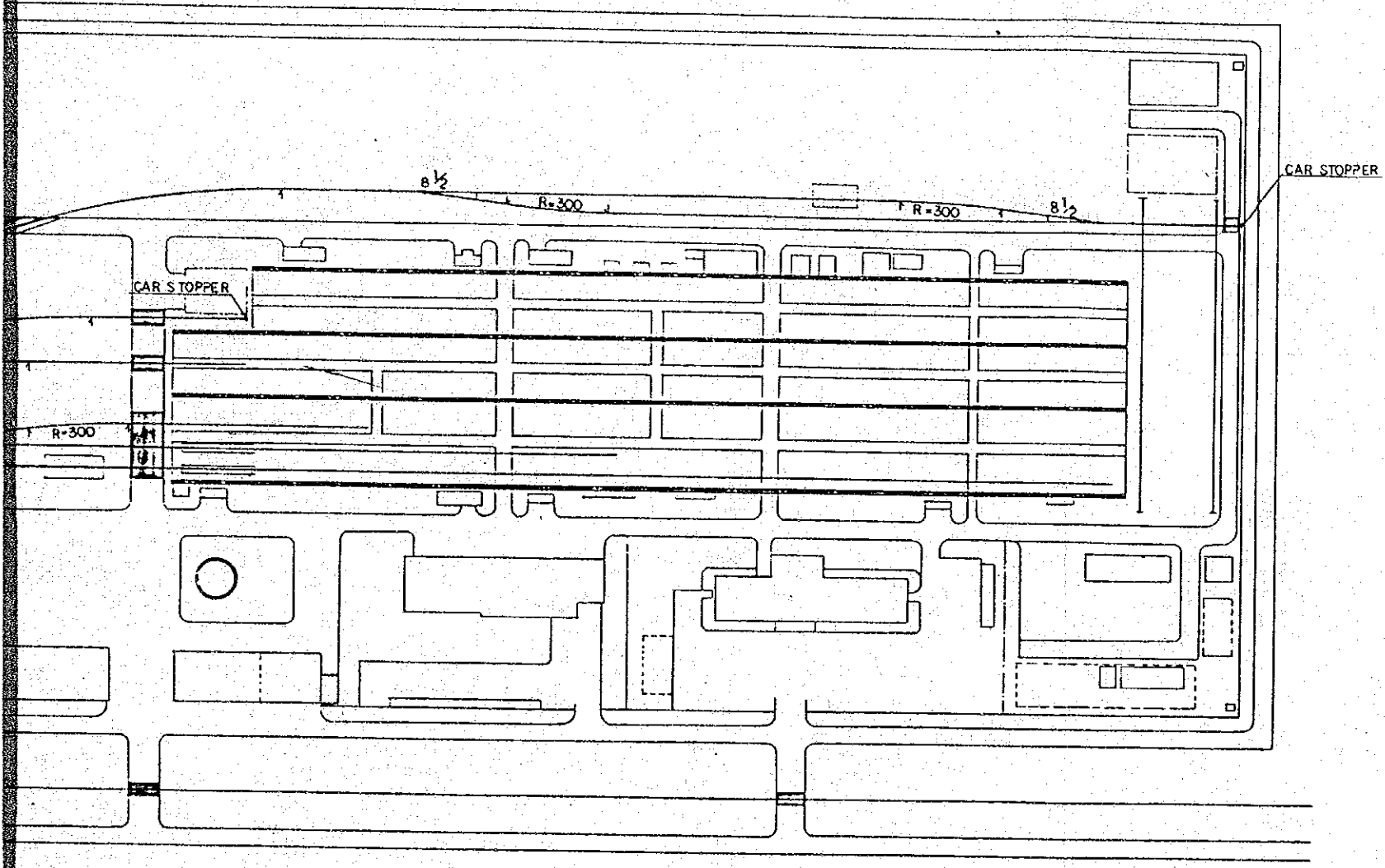


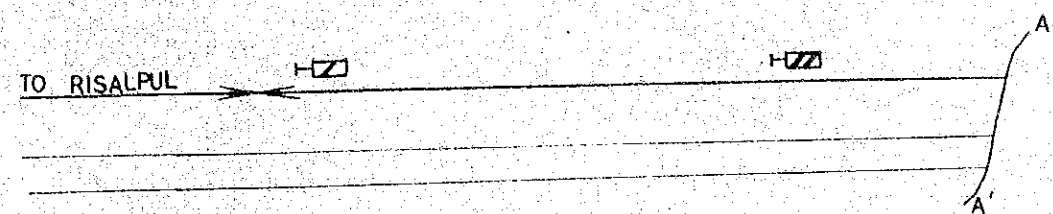
FIG. 2-1 LAYOUT OF TRACK  
SCALE - 1:1000





RACK  
1:1000

FIG. 2-1



LEGEND	
SYMBOL	DESCRIPTION
⊕	CAR STOP SIGN
⌵	DUAL TYPE TURNOUT SWITCH
⌵	SWITCH INDICATOR
⌵-⌵-⌵	APPROACH WARNING SIGN

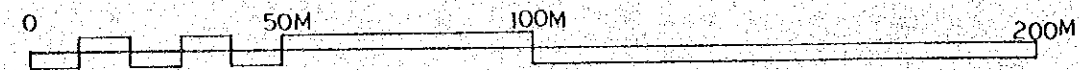
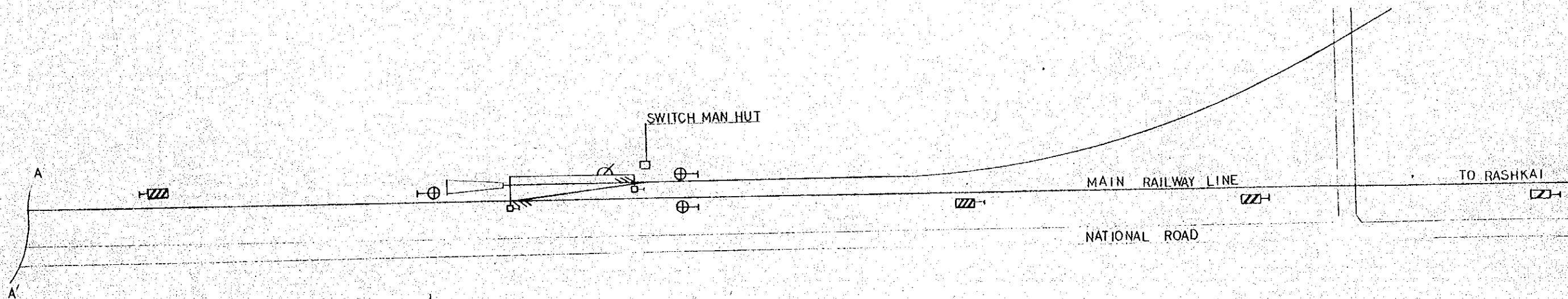


FIG 2-2 PLAN OF BRANCHING SYSTEM FOR FACTORY SIDING  
SCALE - 1 : 1000

FIG. 2-2