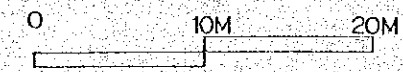


FIG. 4-2 PLAN OF YARD CRANE
SCALE 1:300



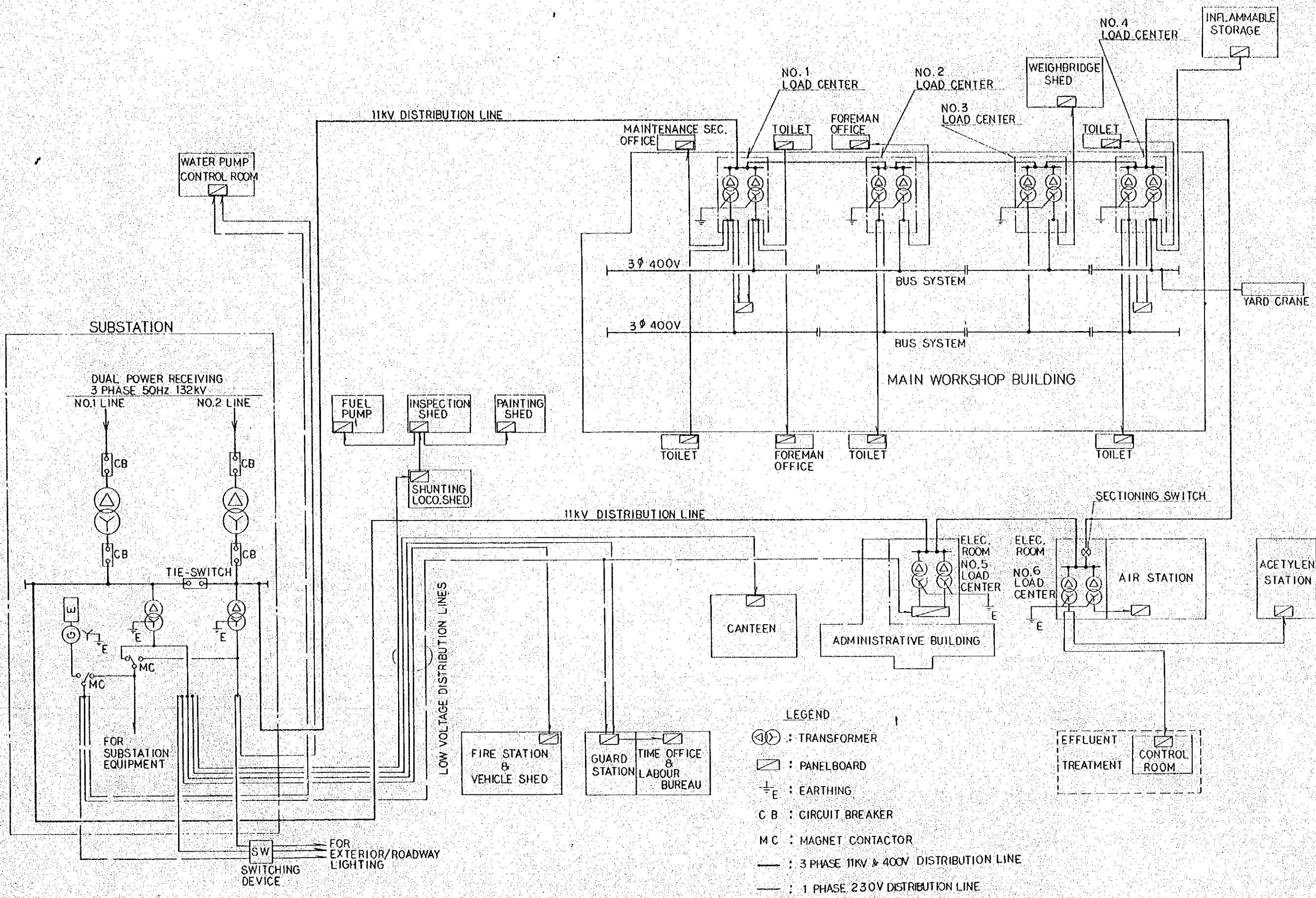
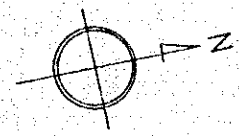


FIG 5-1. NETWORK DIAGRAMME OF POWER DISTRIBUTION SYSTEM

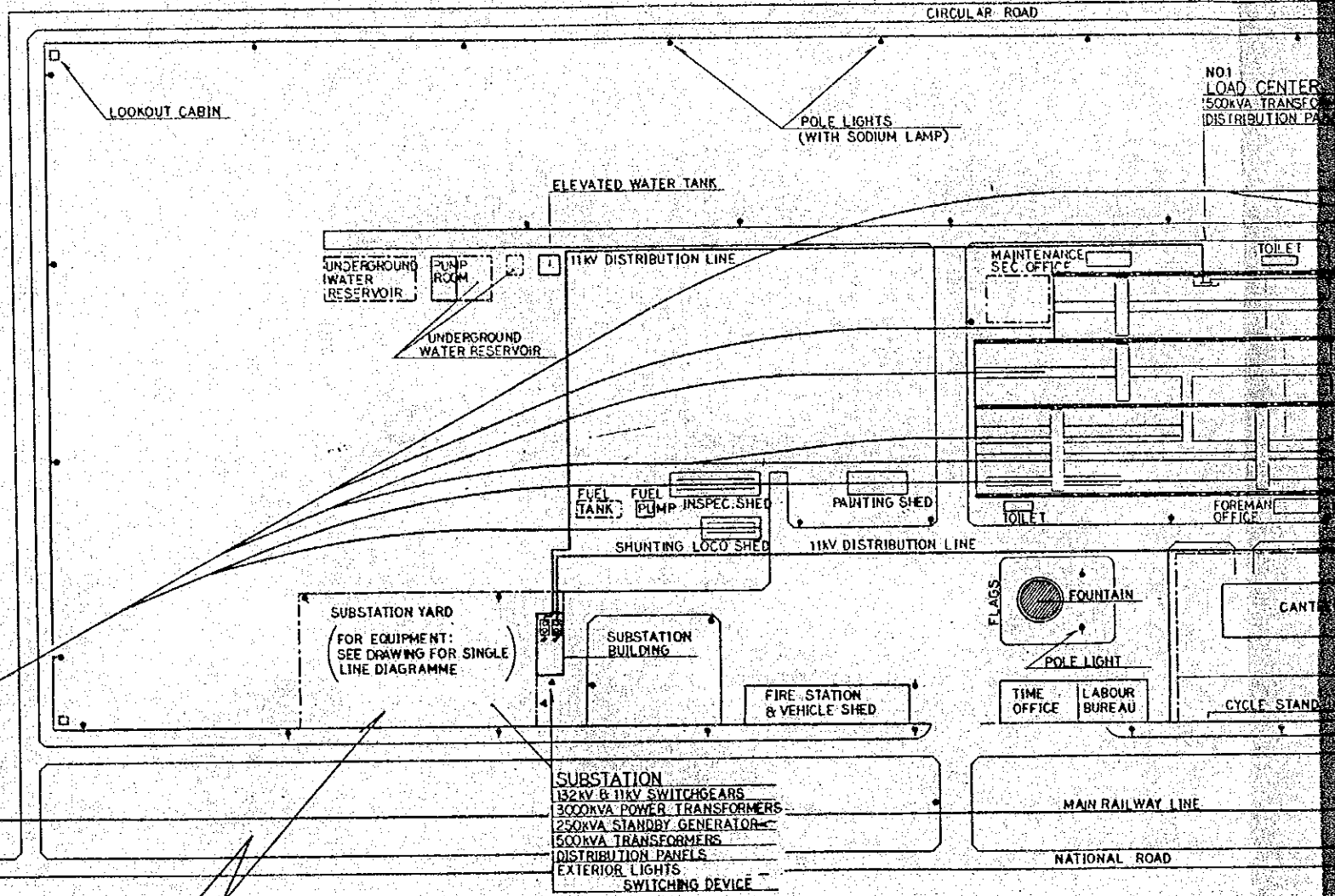
66KV TRANSMISSION LINE
 SUI GAS PIPE LINE



TURNOUT SWITCHMAN HUT
 LOW VOLTAGE ELECTRICITY
 SUPPLIED BY WAPDA LOCALLY

FROM NOWSHERA
 12.75

263



POWER RECEIVING DUAL 132KV
 FROM WAPDA TRANSMISSION LINE

FIG.5-2. POWER DISTRIBUTION SYSTEM PLAN
 SCALE - 1:1000

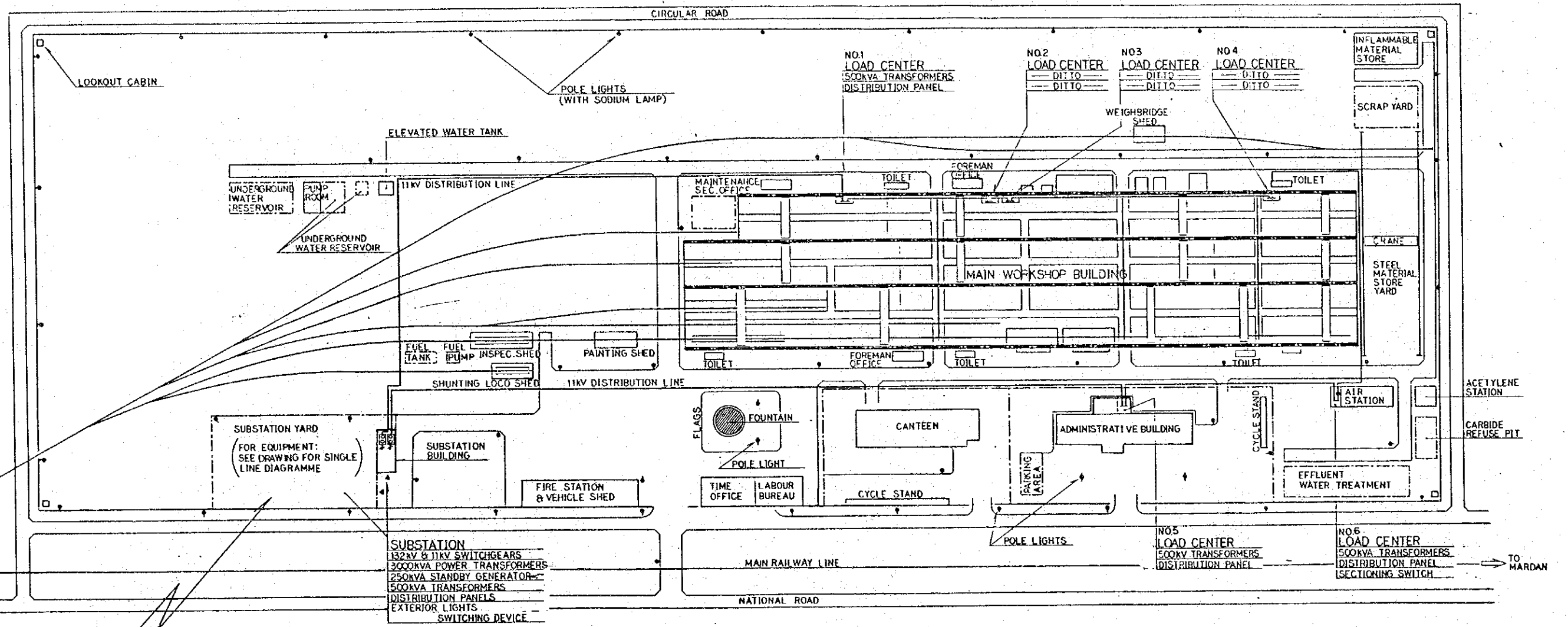
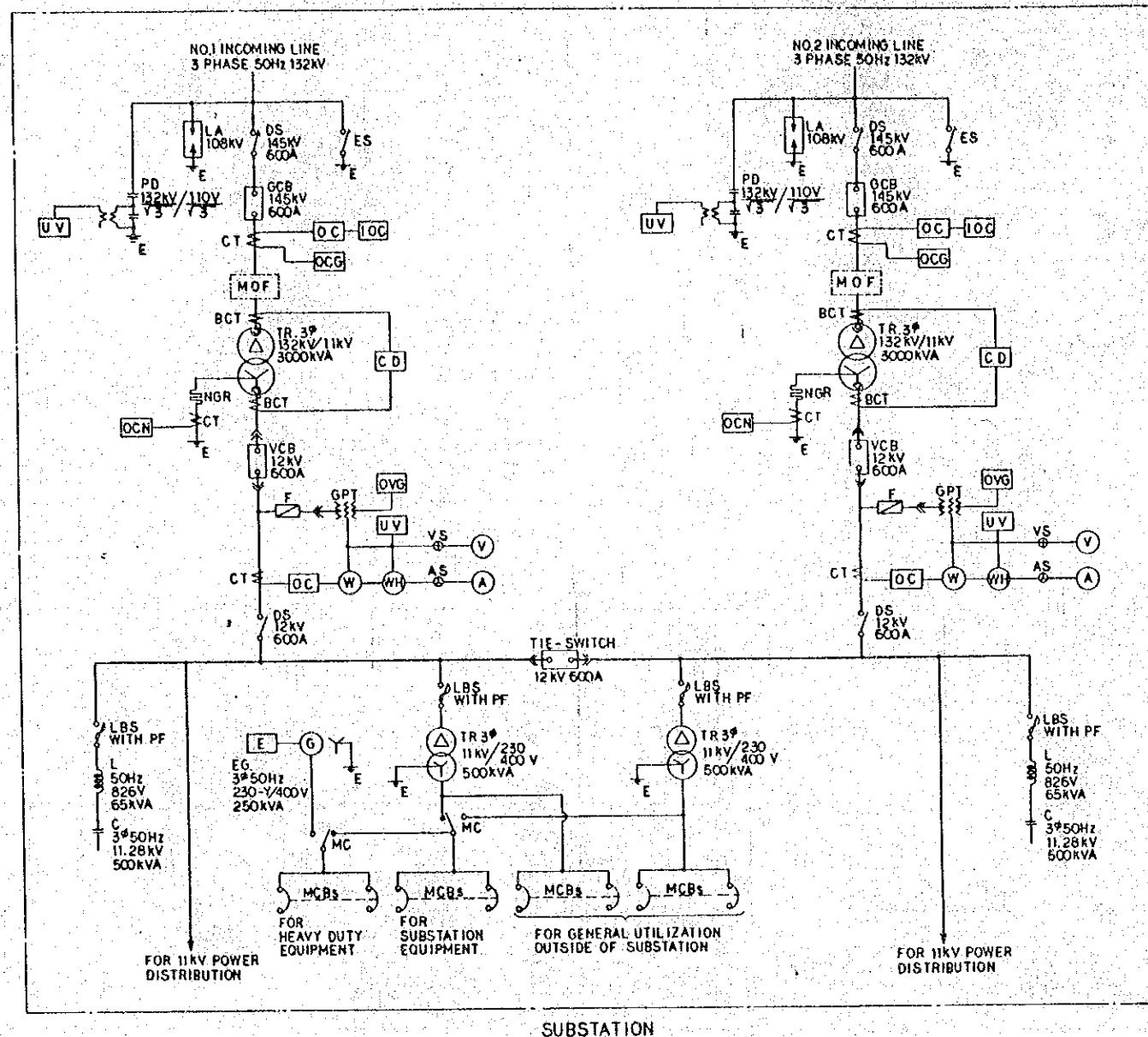
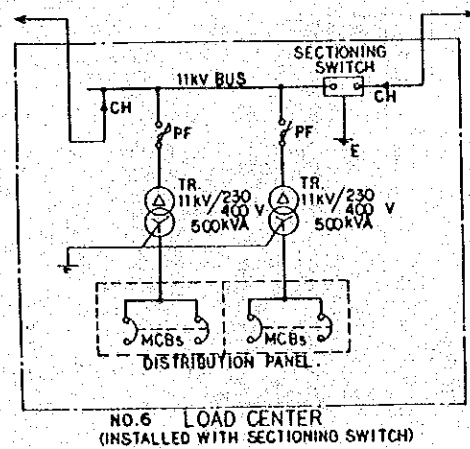
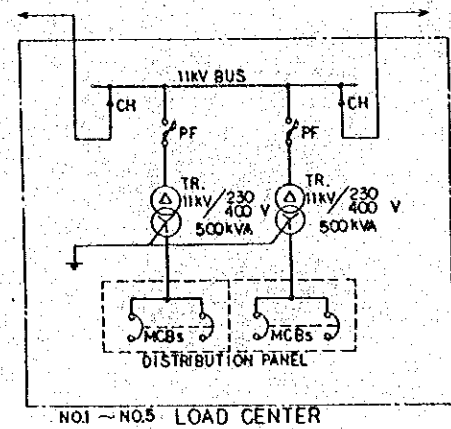


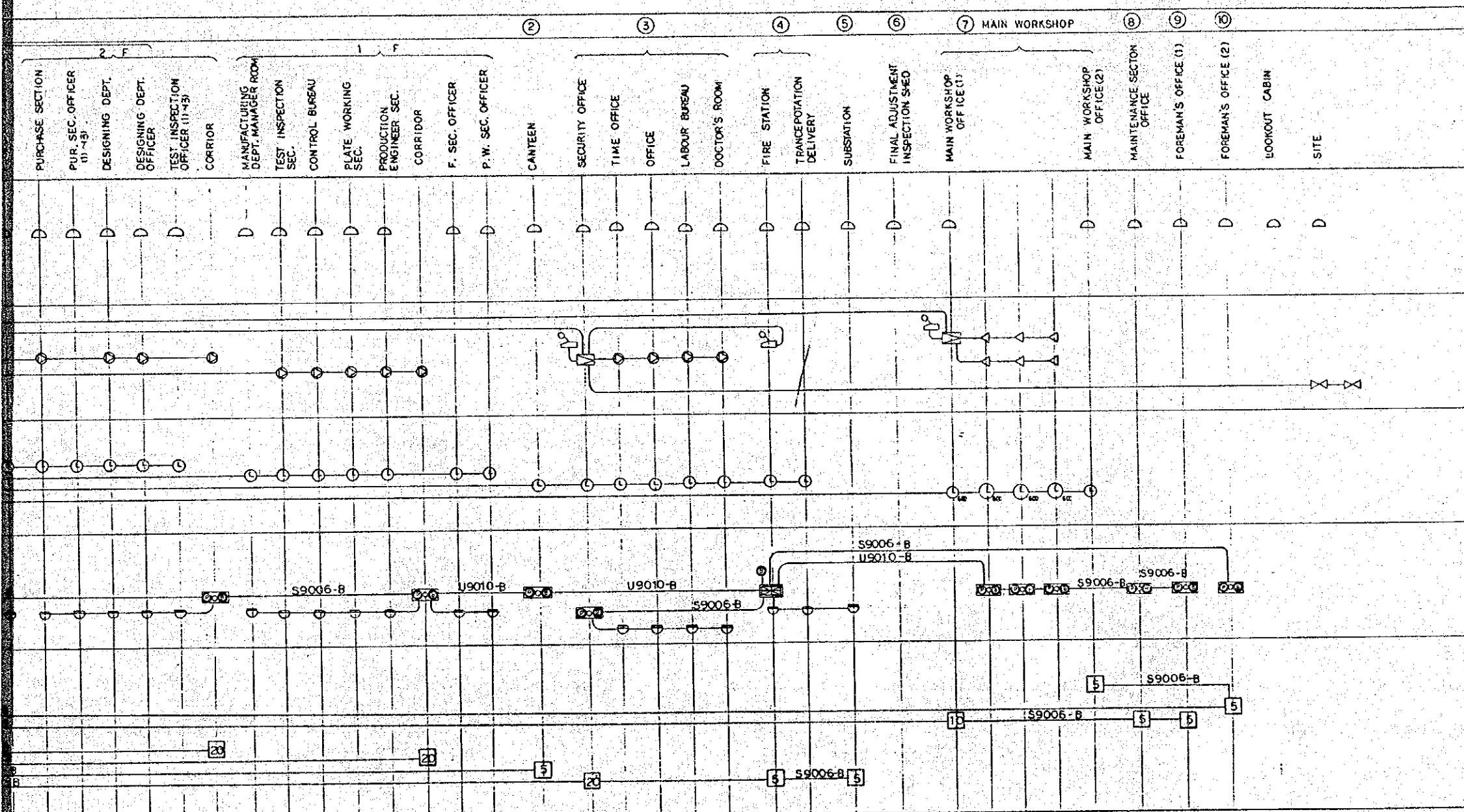
FIG.5-2. POWER DISTRIBUTION SYSTEM PLAN
SCALE - 1:1000



ABBREVIATIONS :

- BGT : BUSHING TYPE CURRENT TRANSFORMER
 - C : CAPACITOR
 - CD : CURRENT DIFFERENTIAL PROTECTIVE RELAY
 - CT : CURRENT TRANSFORMER
 - DS : DISCONNECTING SWITCH
 - ES : EARTHING/GROUNDING SWITCH
 - F : FUSE
 - GCB : SF₆ GAS BLAST CIRCUIT BREAKER
 - GPT : GROUNDED POTENTIAL TRANSFORMER
 - IOC : INSTANTANEOUS OVERCURRENT RELAY
 - L : SERIES REACTOR
 - LA : LIGHTNING ARRESTER
 - LBS : LOAD BRAKE SWITCH
 - MOF : METERING OUT FIT
 - NGR : NEUTRAL GROUNDING RESISTOR
 - OC : OVER CURRENT RELAY
 - OCG : OVER CURRENT GROUNDING RELAY
 - OCN : NEUTRAL OVER CURRENT RELAY
 - OVG : OVER VOLTAGE GROUNDING RELAY
 - PD : COUPLING CAPACITOR TYPE POTENTIAL DEVICE
 - PF : POWER FUSE
 - TR : TRANSFORMER
 - UV : UNDER VOLTAGE RELAY
 - VCB : VACUUM TYPE CIRCUIT BREAKER
-
- A : AMMETER
 - AS : AMMETER TRANSFER SWITCH
 - V : VOLTMETER
 - VS : VOLTMETER TRANSFER SWITCH
 - W : WATTMETER
 - WH : WATT-HOUR DEMAND METER
-
- MC : MAGNET CONTACTOR
 - MCB : MOLDED CASE CIRCUIT BREAKER
-
- [E]-G : ENGINE-GENERATOR

FIG. 5-3 SINGLE LINE DIAGRAMMES



LEGEND	
D	AUTOMATIC TELEPHONE
B	MAGNETO TELEPHONE
⊗	ELECTRONIC PRIVATE AUTOMATIC BRANCH EXCHANGE
M	PUBLIC ADDRESS CONTROL PANEL
N	PUBLIC ADDRESS AMPLIFIER
⊙	DYNAMIC TYPE SPEAKER
△	TRUMPET TYPE SPEAKER
K	MASTER CLOCK
⊙	SLAVE CLOCK SINGLE SIDE 300 mmφ
⊙	SLAVE CLOCK SINGLE SIDE 600 mmφ
A	CENTRAL ALARM PANEL
T	COMBINATION BOX
⊙	DETECTOR
T	TERMINAL BOX WITH NO. OF CAPACITY

NOTE:
 TELECOM. CABLE : U9010-B
 SHEATH: B = POLYETHYLENE SHEATH
 C = CORRUGATED SHEATH
 NUMBER OF PAIRS : 006 = 6P,
 010 = 10P, 020 = 20P, 050 = 50P
 NOMINAL DIAMETER OF CONDUCTOR
 : 9 = 0.9 mm
 COMPOSITION OF CONDUCTOR
 U = UNIT TYPE
 S = SMALL PAIR TYPE

FIG. 5-4 COMMUNICATION CIRCUIT DIAGRAMMES

FIG. 5-4

66KV TRANSMISSION LINE
 SUI GAS PIPE LINE

LEGEND	
SYMBOL	DESCRIPTION
	AUTOMATIC TELEPHONE
	MAGNETO TELEPHONE
	ELECTRONIC PRIVATE AUTOMATIC BRANCH EXCHANGE
	PUBLIC ADDRESS CONTROL PANEL
	PUBLIC ADDRESS AMPLIFIER
	DYNAMIC TYPE SPEAKER
	TRUMPET TYPE SPEAKER
	MASTER CLOCK
	SLAVE CLOCK SINGLE SIDE 300 ^{mm} DIA
	SLAVE CLOCK SINGLE SIDE 600 ^{mm} DIA
	CENTRALIZED ALARM PANEL
	COMBINATION BOX
	DETECTOR
	TERMINAL BOX
	CABLING WITHIN DUCT & HANDHOLES
	CABLING WITHIN TROUGH
	DIRECT BURIAL CABLING



TURNOUT SWITCHMAN HUT

FROM NOWSHERA 12.75
 263 L

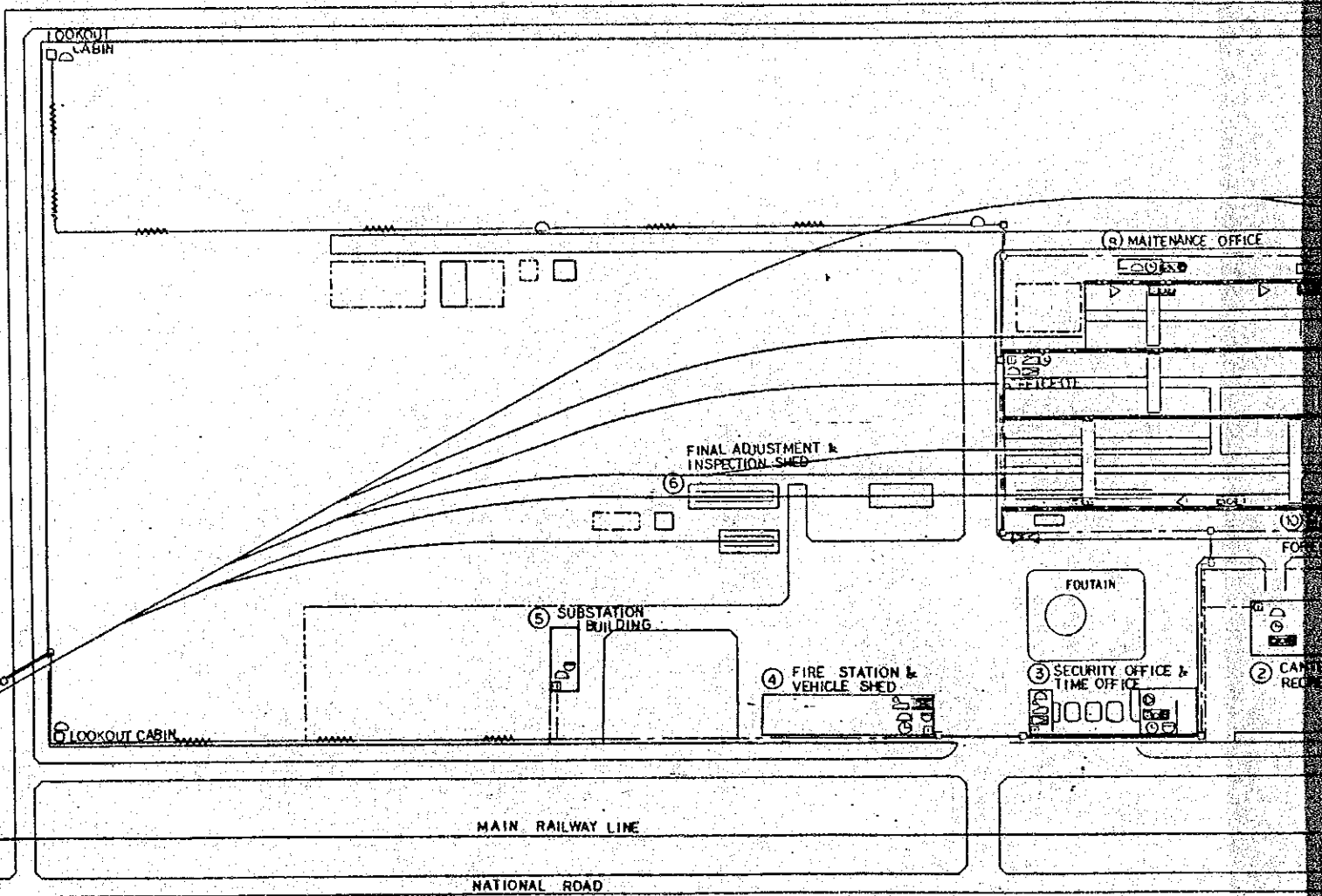


FIG.5-5 COMMUNICATION SYSTEM PLAN
 SCALE - 1:1000

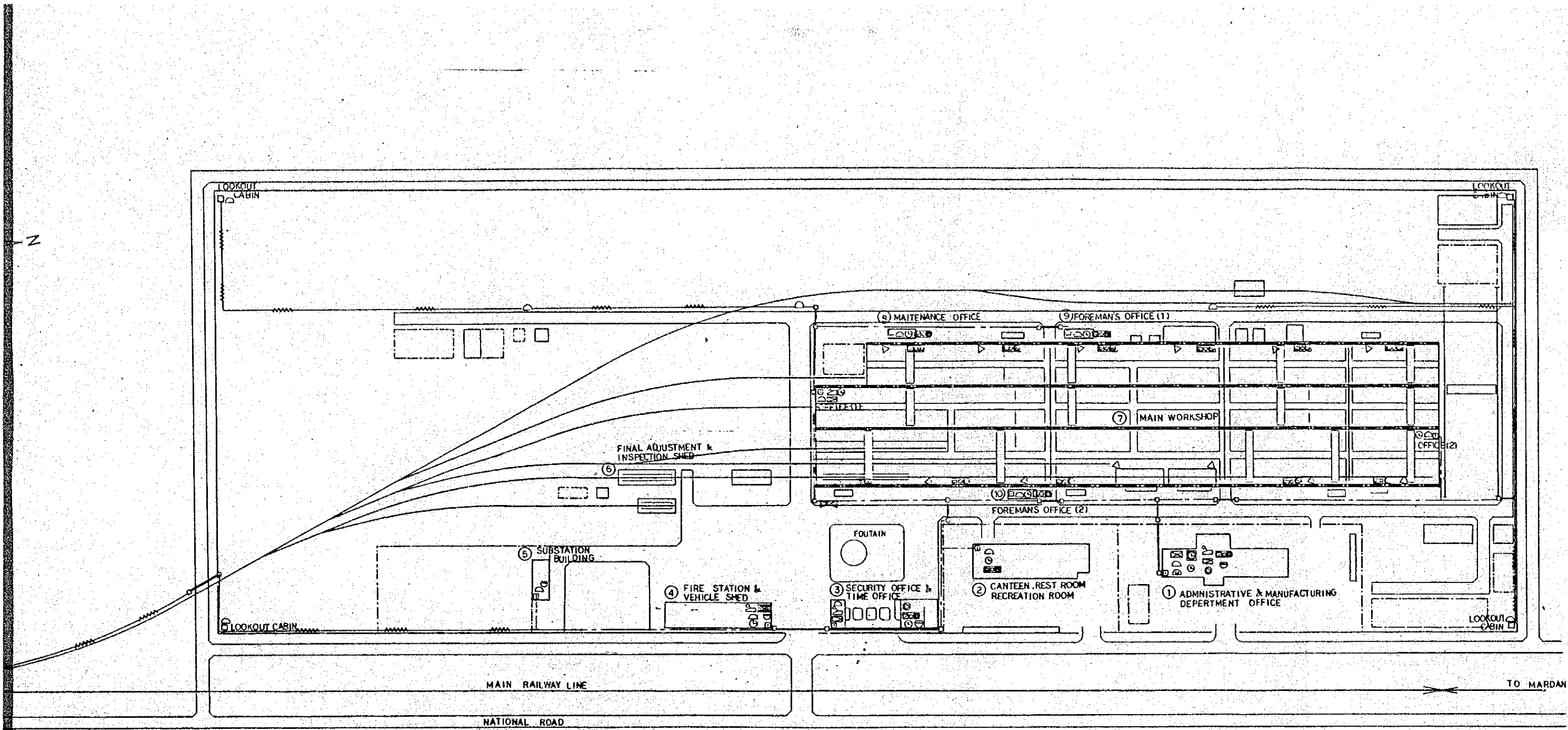
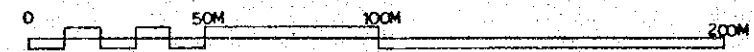
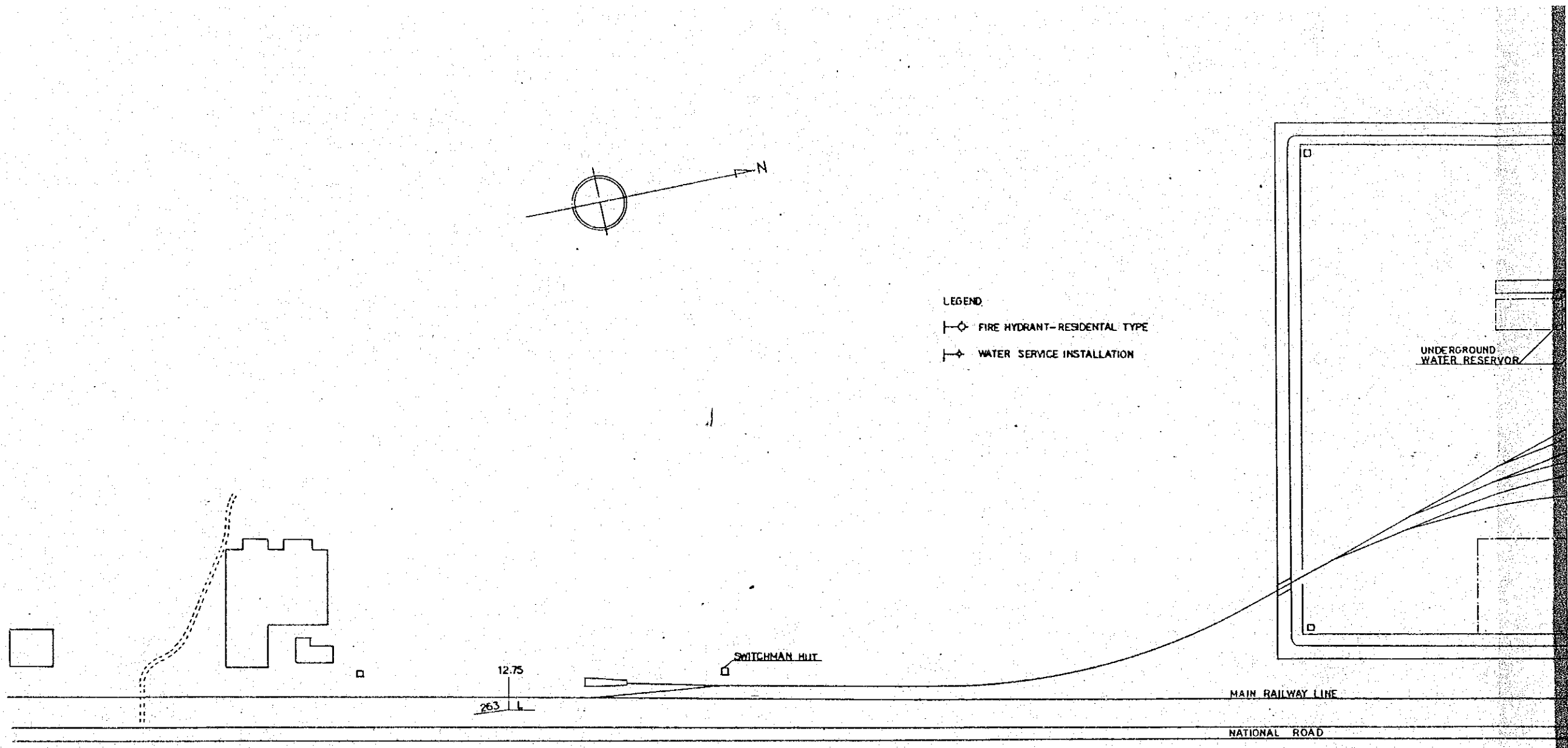


FIG.5-5 COMMUNICATION SYSTEM PLAN
SCALE - 1:1000





C-11

FIG. 6-1-1 PIPE ALLOCATION OF WATER SUPPLY
SCALE -

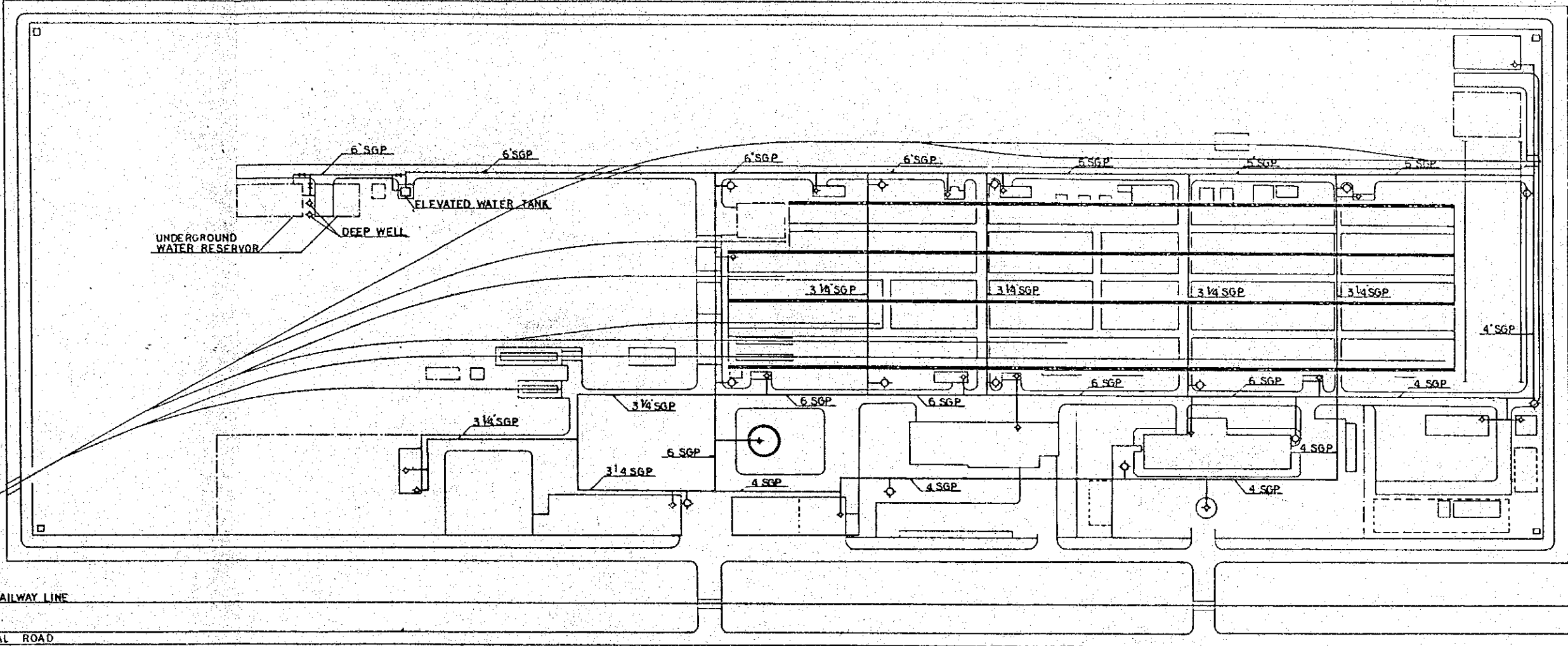


FIG. 6-1-1 PIPE ALLOCATION OF WATER SUPPLY
SCALE - 1 : 1000

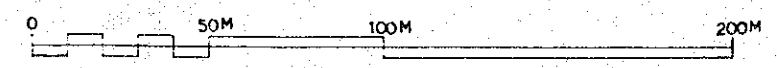


FIG. 6-1-1

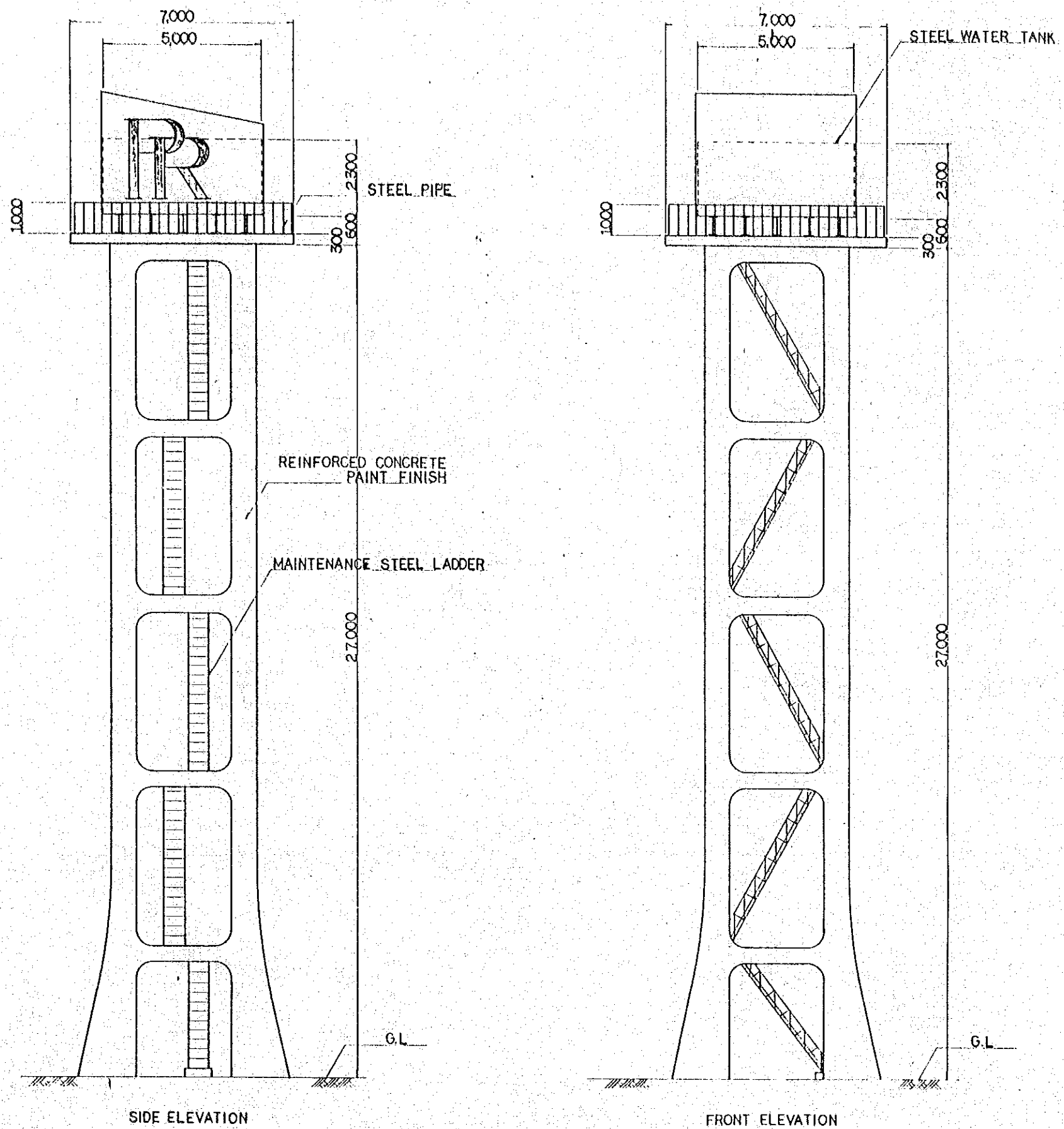


FIG. 6-1-2 ELEVATED WATER TANK
SCALE-1:100

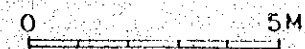


FIG6-1-2

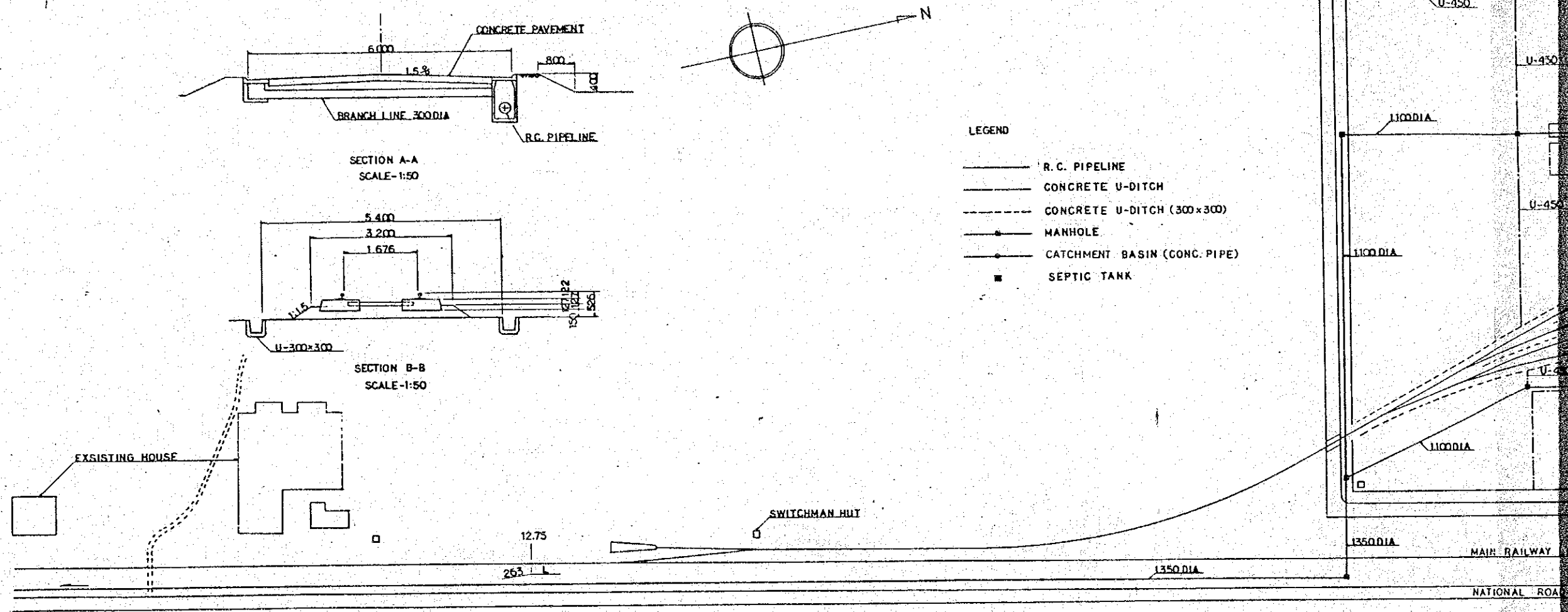


FIG.6-2 PIPE ALLOCATION OF D 50

C-13

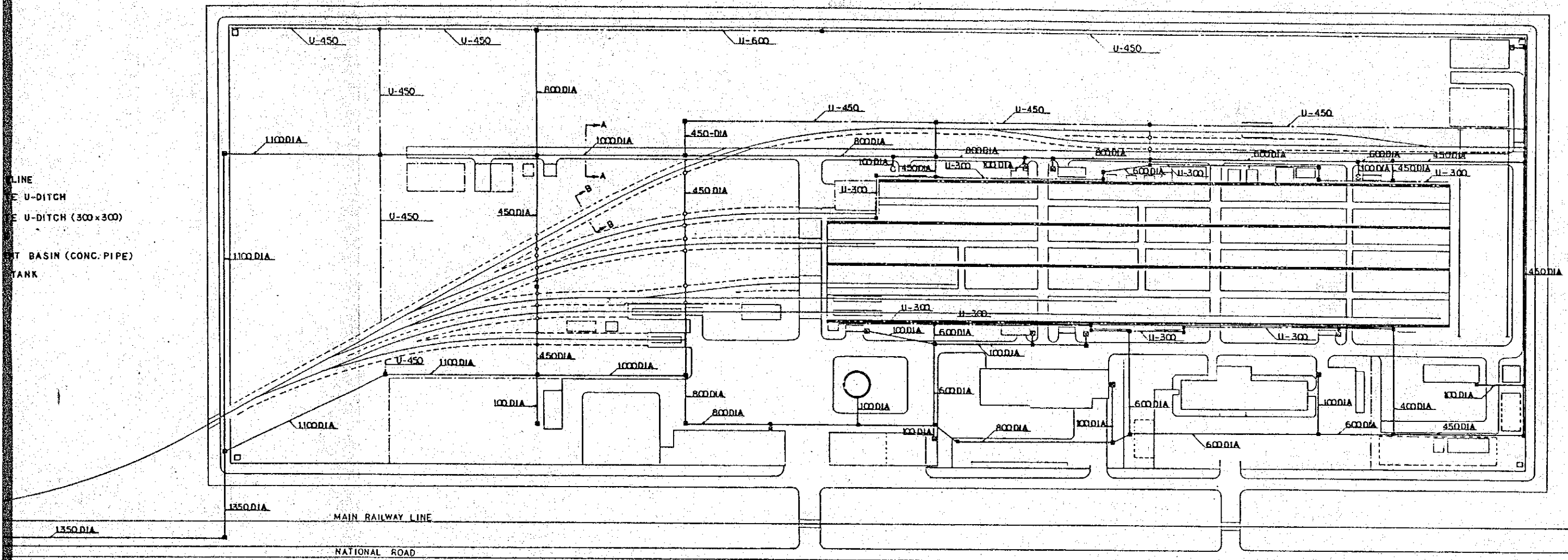
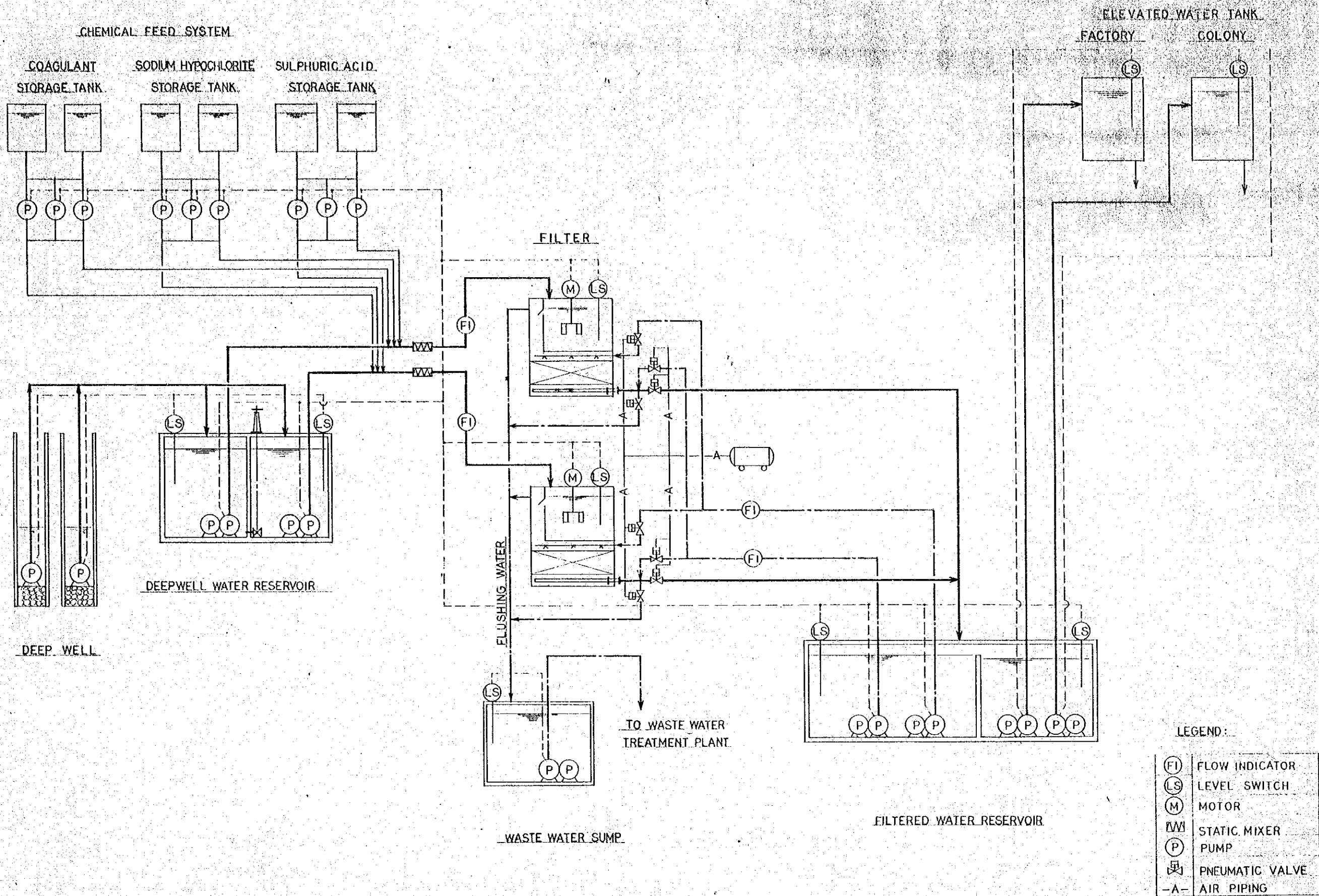


FIG.6-2 PIPE ALLOCATION OF DRAINAGE
SCALE-1:1000



LEGEND:

(FI)	FLOW INDICATOR
(LS)	LEVEL SWITCH
(M)	MOTOR
W	STATIC MIXER
(P)	PUMP
⊗	PNEUMATIC VALVE
-A-	AIR PIPING

FIG.6-3-1 FLOW SHEET OF GROUND WATER TREATMENT

FIG.6-3-1

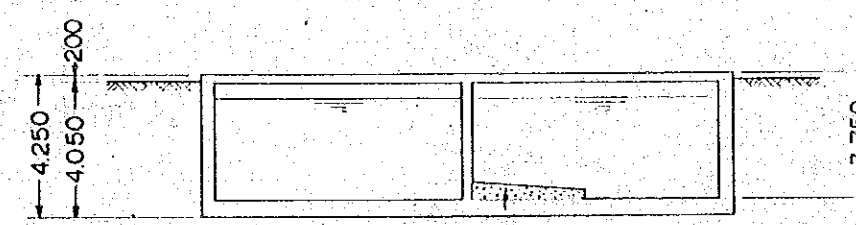
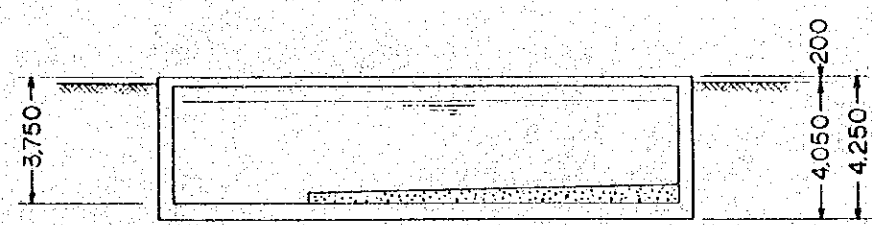
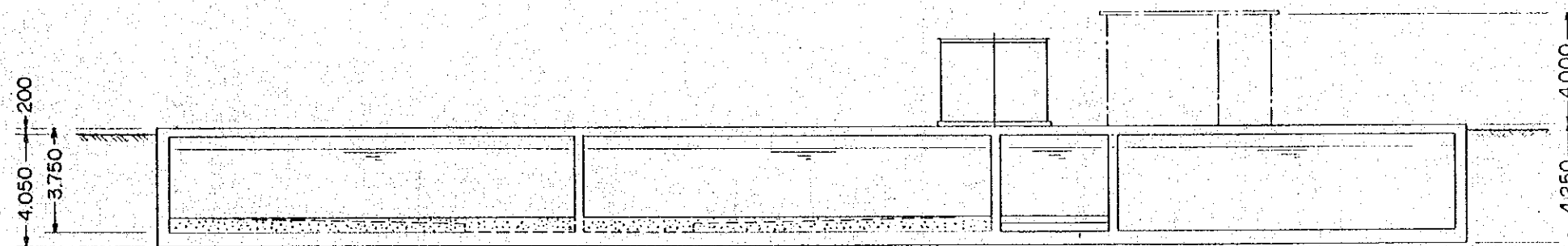
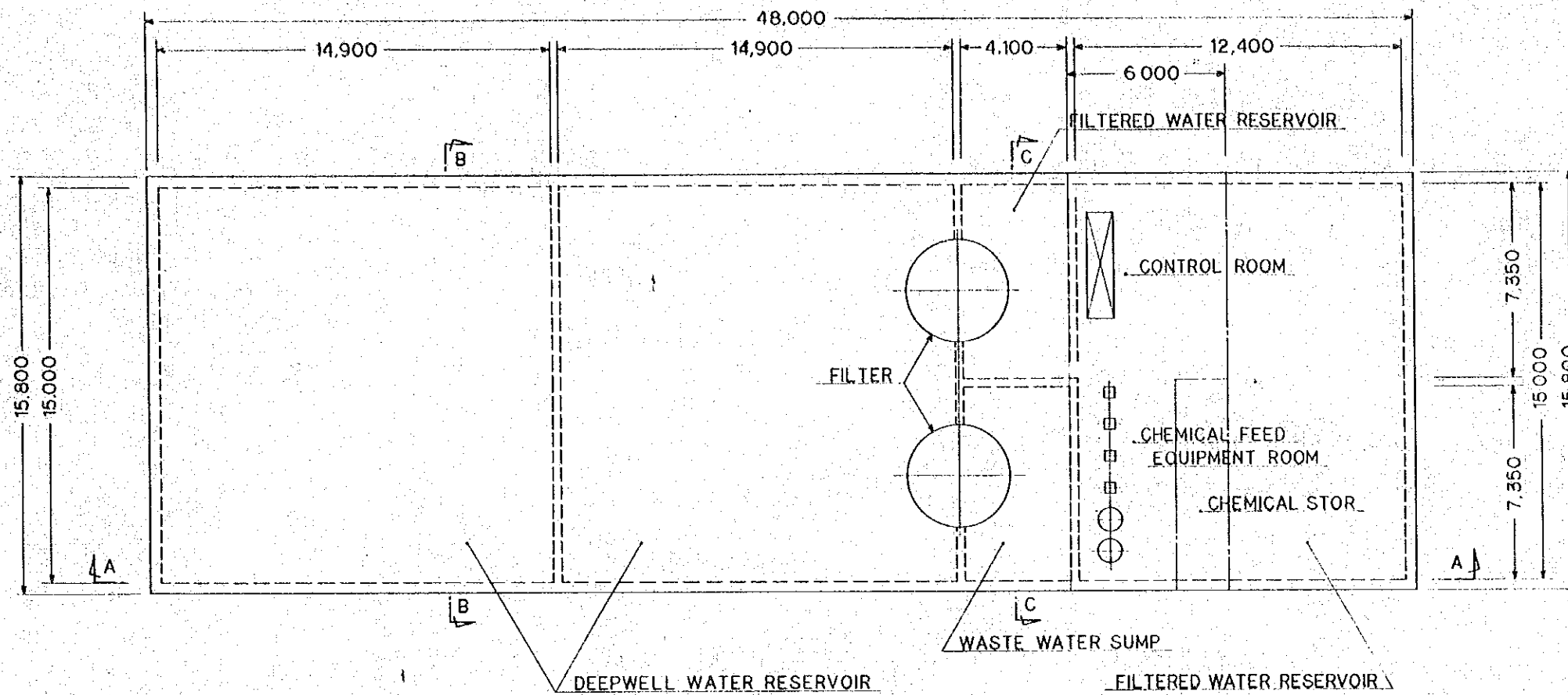


FIG.6-3-2 PLAN OF GROUND WATER TREATMENT FACILITY

SCALE - 1:150



FIG.6-3-2

WATER SUPPLY

LEGEND:

(B)	AIR BLOWER
(PHI)	pH INDICATOR AND CONTROLLER
(FI)	FLOW INDICATOR
(M)	MOTOR
(LS)	LEVEL SWITCH
(P)	PUMP
(PK)	PRESSURE INDICATOR AND CONTROLLER
-A-	AIR PIPING

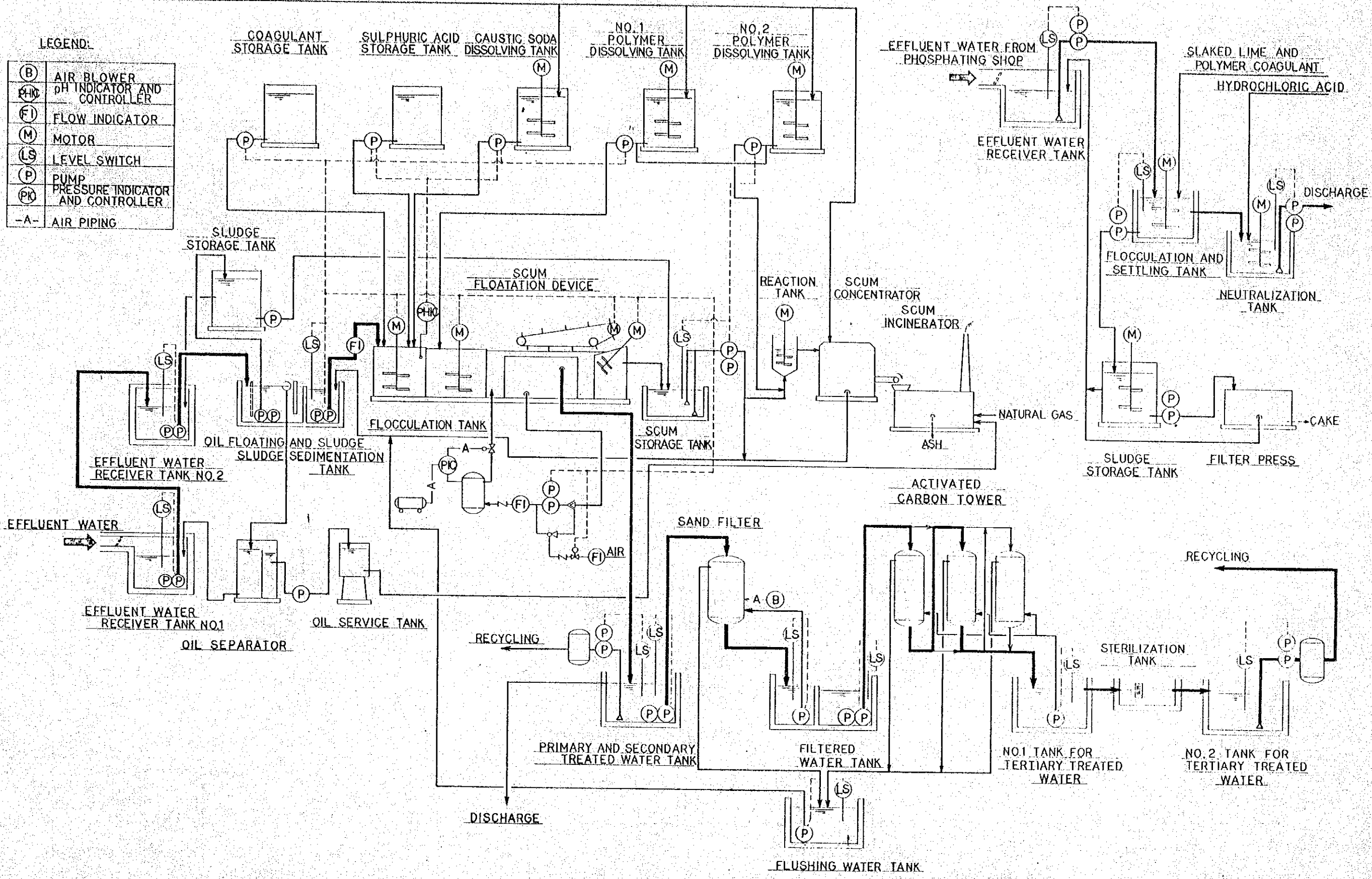
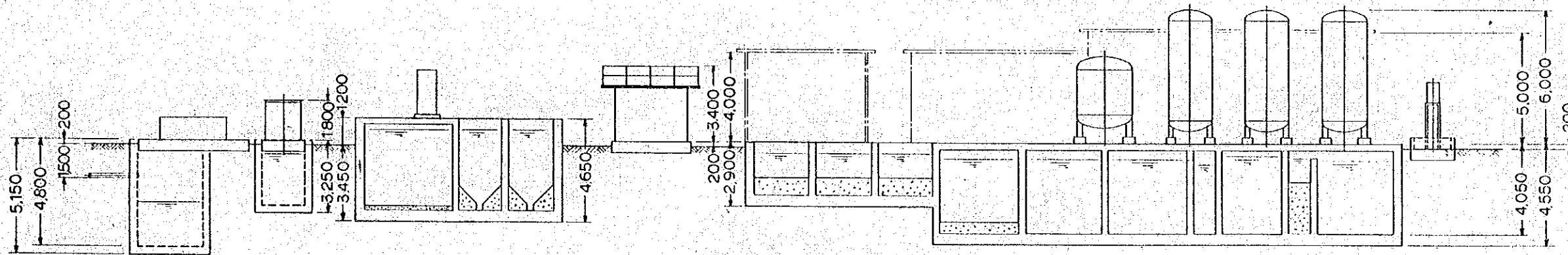
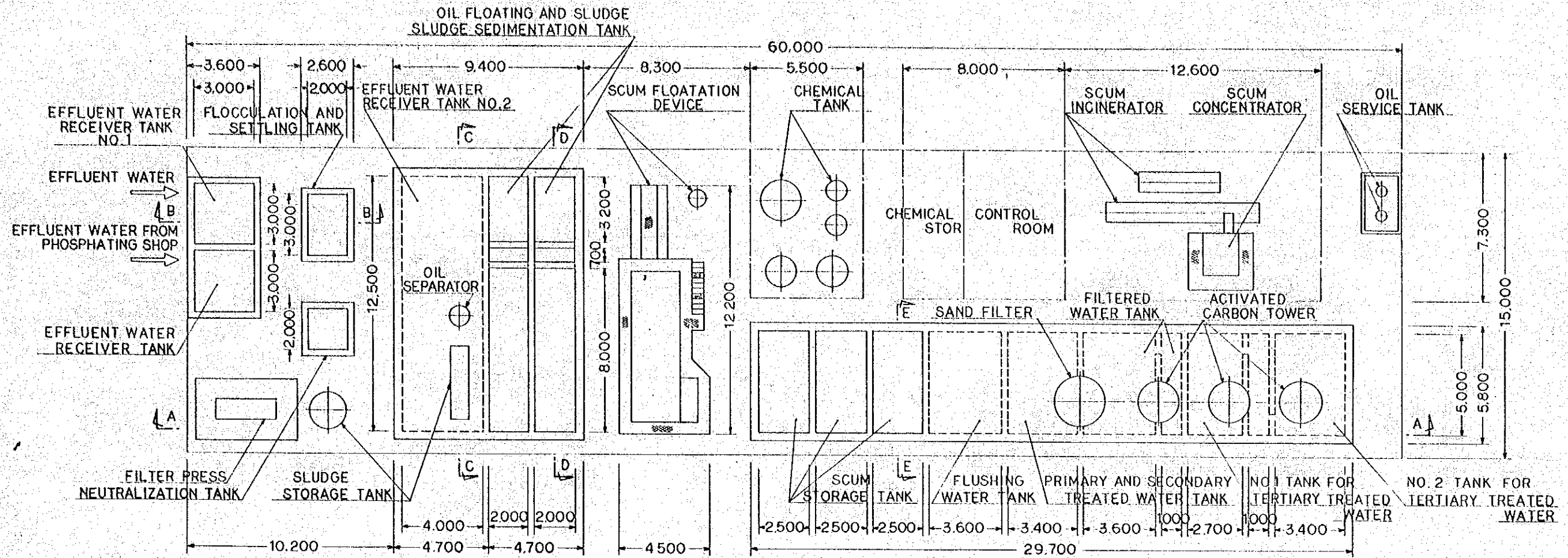
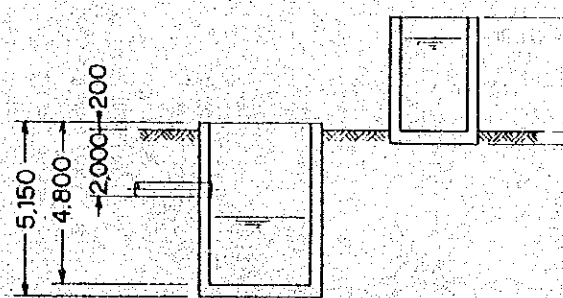


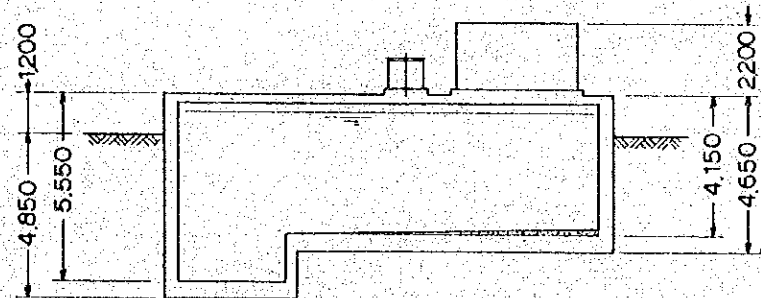
FIG.6-4-1 FLOW SHEET OF EFFLUENT TREATMENT AND RECYCLING



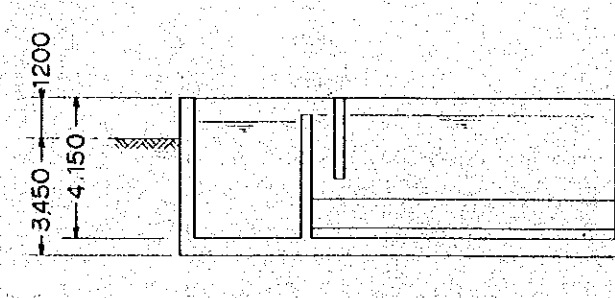
LONGITUDINAL SECTION A - A



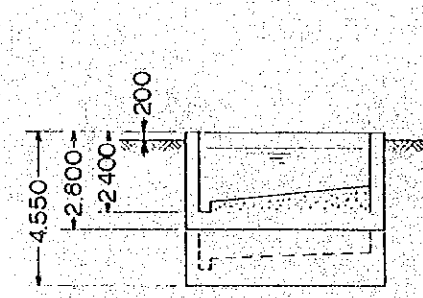
CROSS SECTION B - B



CROSS SECTION C - C



CROSS SECTION D - D



CROSS SECTION E - E

FIG.6-4-2 PLAN OF EFFLUENT TREATMENT AND RECYCLING FACILITY

SCALE - 1:150 0 10M FIG. 6-4-2

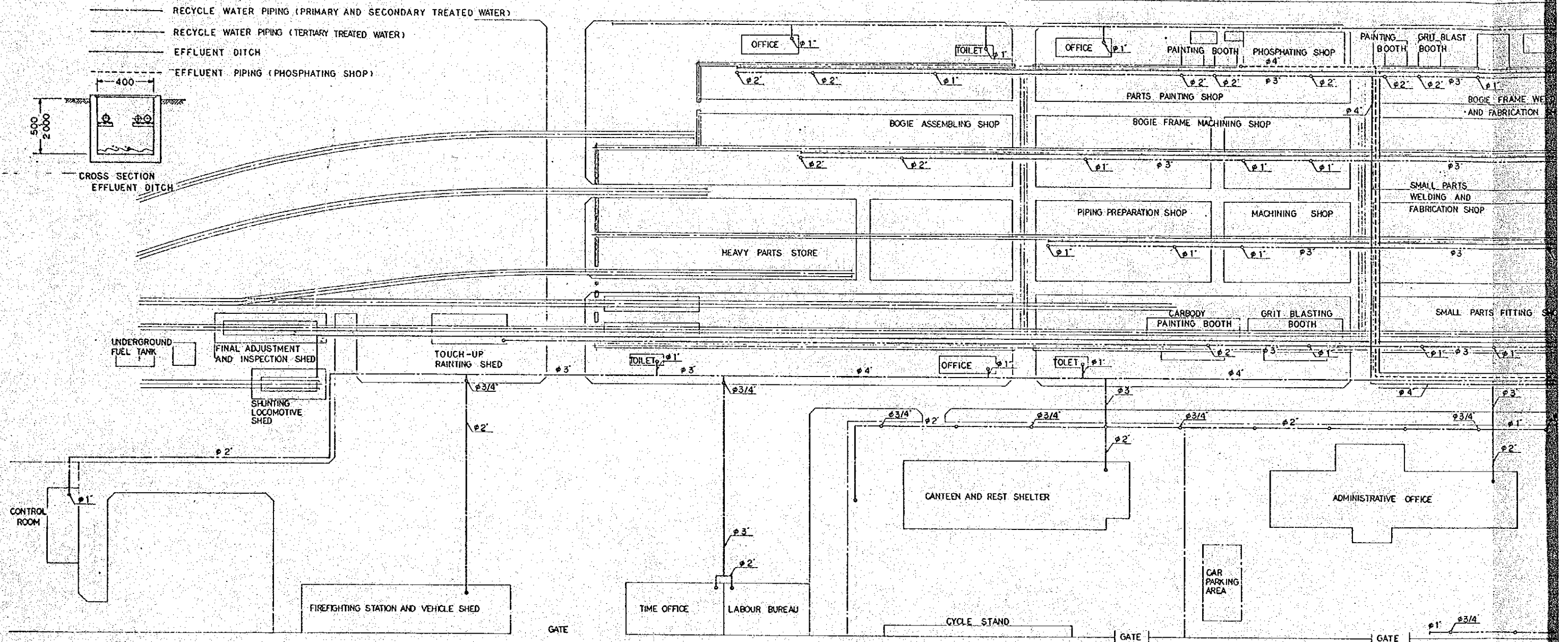


FIG. 6-4-3 PLAN OF EFFLUENT TREATMENT PIPING
SCALE - 1:500



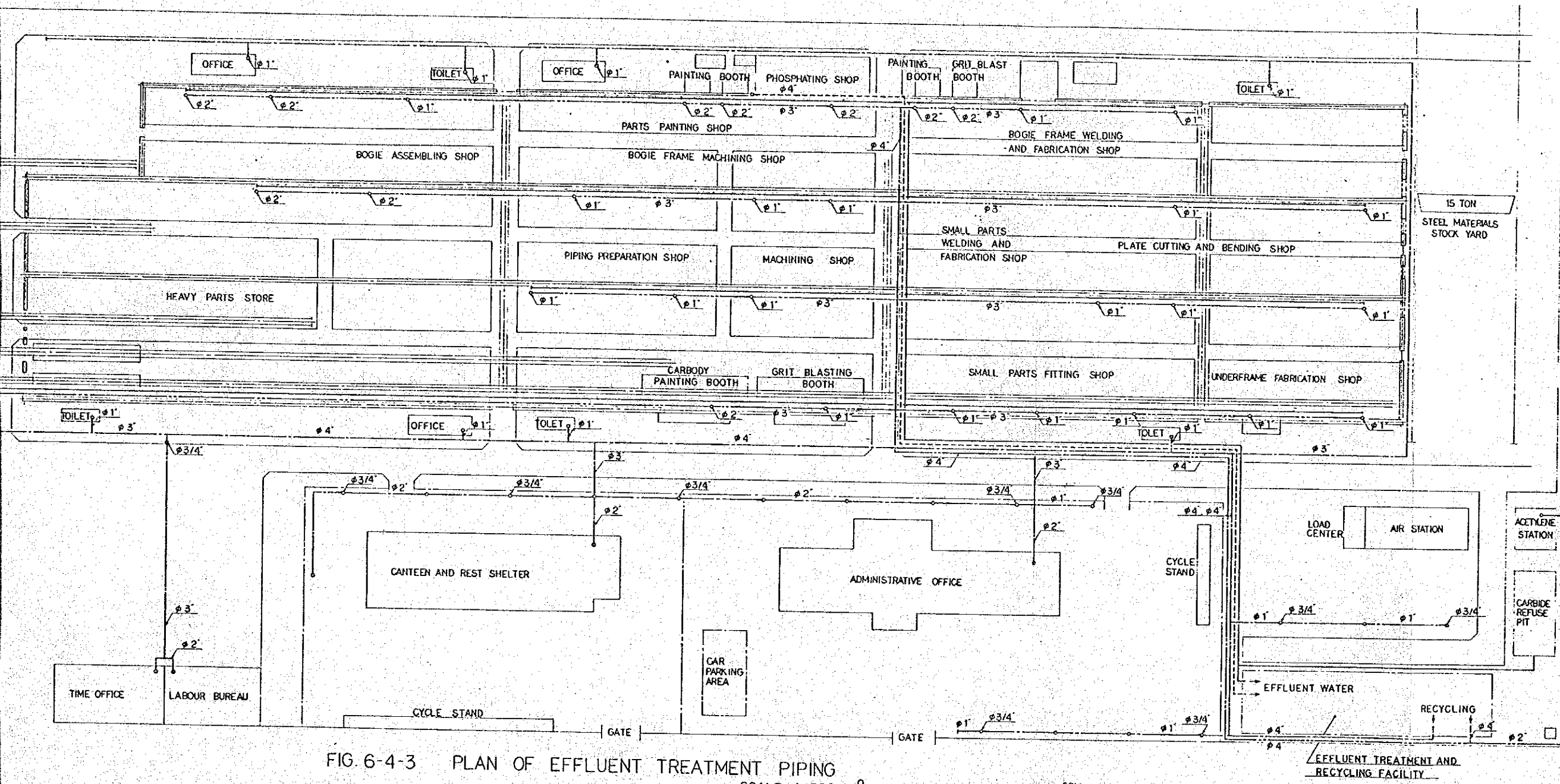


FIG. 6-4-3