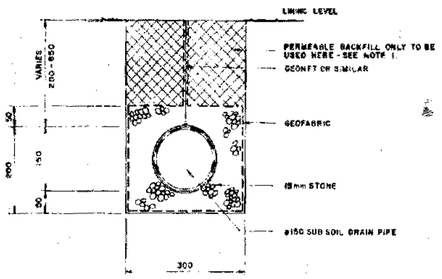
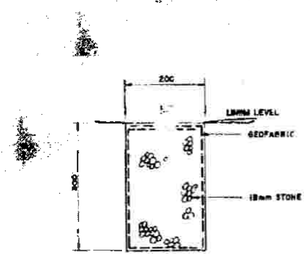
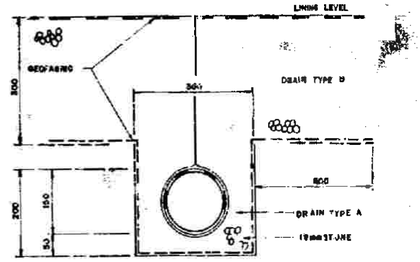


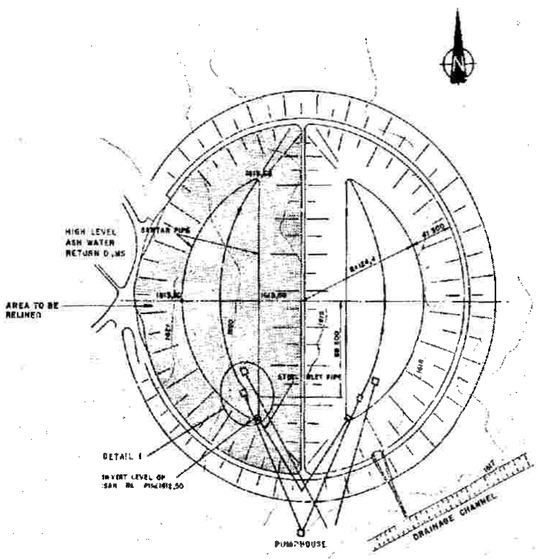
DRAIN TYPE A
SCALE 1:50



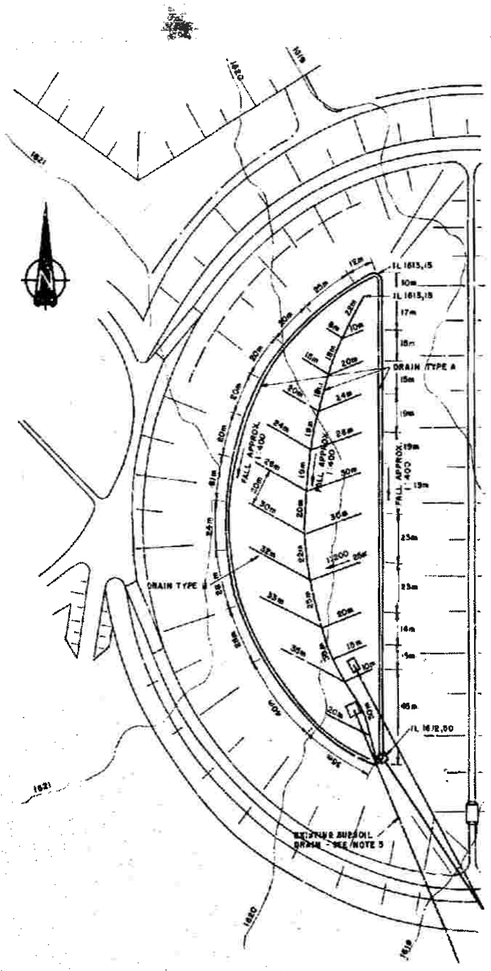
DRAIN TYPE B (HERRINGBONE)
SCALE 1:50



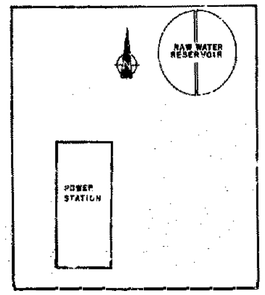
DETAIL AT JUNCTION OF HERRINGBONE SIDE DRAINS & CENTRAL DRAIN TYPE A
SCALE 1:50



EXISTING RESERVOIR LAYOUT & SUBSOIL DRAINAGE
SCALE 1:2000



AREA TO BE RELINED SHOWING REVISED SUBSOIL DRAINAGE
SCALE 1:1000



KEY PLAN

NOTES :

1. PERMEABLE BACKFILL SHOULD HAVE THE FOLLOWING CHARACTERISTICS :
   PLASTICITY INDEX <5
   GRADING - MAX. 20% <0.425mm
   LINEAR SHRINKAGE <2
2. CENTRAL DRAIN TYPE A TO BE ON ℄ OF RESERVOIR FLOOR
3. PERIMETER DRAINS (TYPE A) TO BE FORMED USING EXISTING SUBSOIL DRAIN PIPES
4. GEOFABRIC TO BE NON WOVEN NEEDLE PUNCHED POLYESTER WITH A MASS OF 210g/m²
5. EXISTING SUB SOIL DRAIN UNDER THE EMBANKMENT TO BE CLEANED BEFORE NEW DRAINS CONNECTED TO IT
   ALL PIPE CONNECTIONS TO BE BY MEANS OF STANDARD PIPE JUNCTIONS
6. EXISTING BUTYL RUBBER MAT TO COVER SUBSOIL DRAINS.
   DRAINS SPACED SO AS TO GIVE MAXIMUM DRAINAGE LENGTH OF 10m

			048
		KRIEL POWER STATION	
		KRIEL RAW WATER RESERVOIR	
		REPAIR OF WESTERN HALF (1988)	
		SUBSOIL DRAINAGE	
		LAYOUT AND DETAILS	
DS		045/30840	0