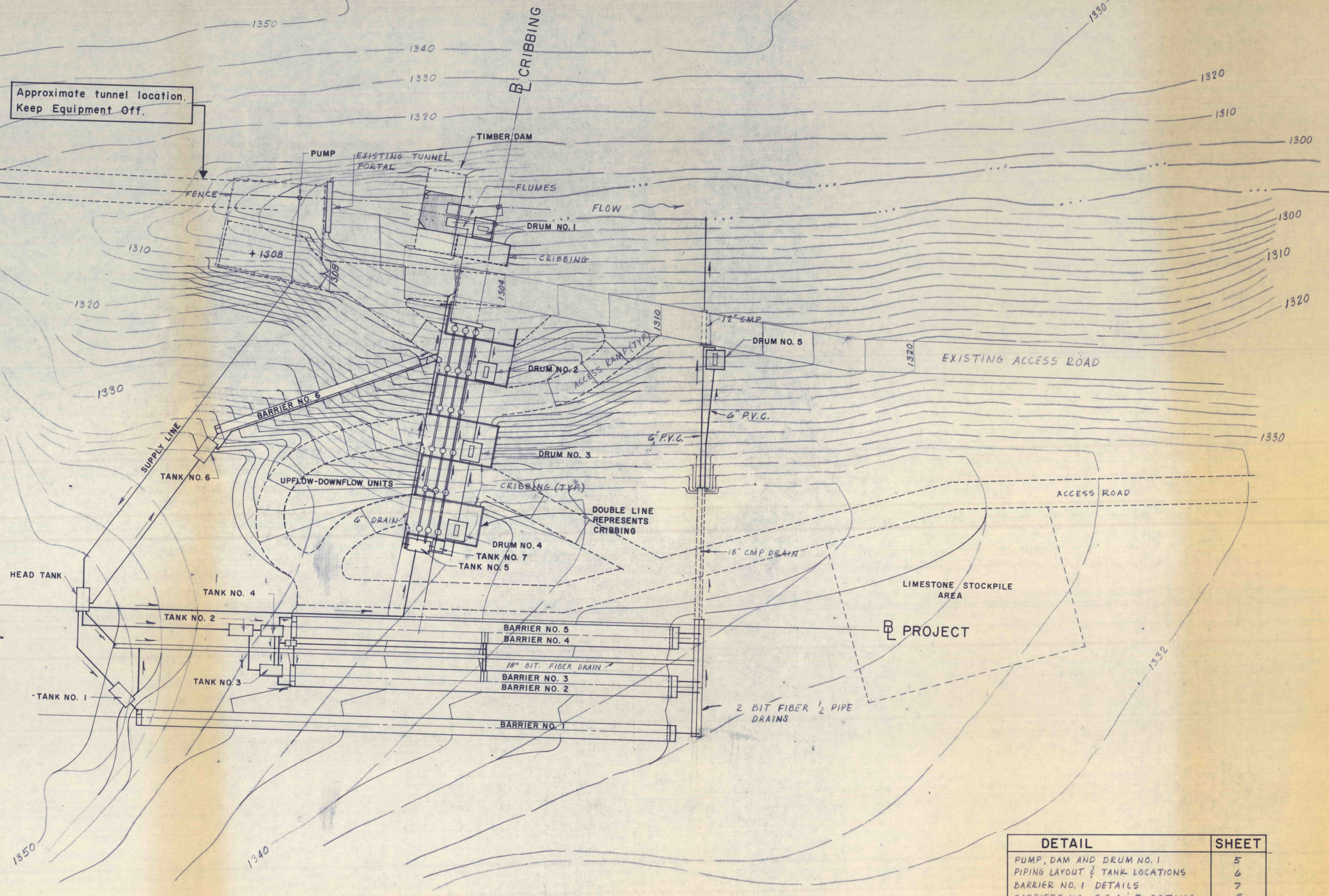


Approximate tunnel location.
Keep Equipment Off.



GENERAL PLAN
SCALE: 1" = 20'

DETAIL	SHEET
PUMP, DAM AND DRUM NO. 1	5
PIPING LAYOUT & TANK LOCATIONS	6
BARRIER NO. 1 DETAILS	7
BARRIERS NO. 2, 3, 4 & 5 DETAILS	8
BARRIER NO. 6	9
DAM DETAILS	10
UPFLOW/DOWNFLOW UNITS	12
REVOLVING DRUMS	15
TANK DETAILS	17

NO.	DATE	REVISION	APPR.
SUBMITTED			
APPROVED			
APPROVED			

SUBMITTED *John J. McBrice*
 PROFESSIONAL
 APPROVED *Andrew C. Friedrich*
 CHIEF - DIVISION OF MINE AREA RESTORATION
 APPROVED *S. E. Kyle for V. M. Brand*
 DIRECTOR - BUREAU OF RESOURCES PROGRAMMING



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
OFFICE OF RESOURCES MANAGEMENT

CONTRACT NO. SL 135-10-102.1

QUAKAKE TUNNEL
DEMONSTRATION PROJECT

PACKER TWP. CARBON CO., PA.

GEO - Technical Services
CONSULTING ENGINEERS & GEOLOGISTS
851 So. 19th St. HARRISBURG, PENNA.

GENERAL PLAN

DRAWN BY	DATE	DRAWING NO.
M.P.	MAY 1977	4 of 18
CHECKED BY	SCALE	
S. J. M.	1" = 20'	