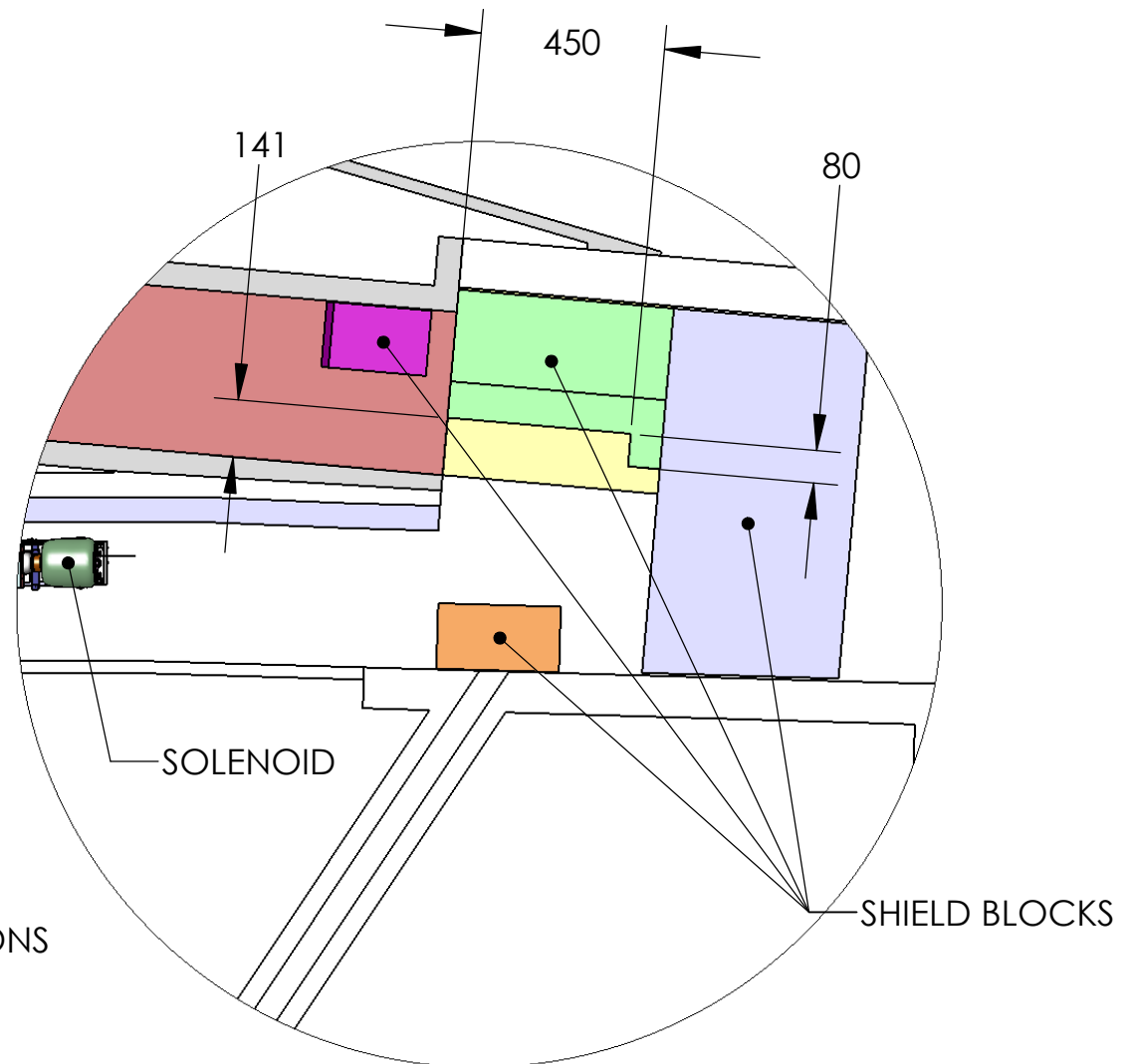


TUNNEL PLAN VIEW

RESTRICTIONS
 LENGTH 4.4M
 WIDTH 1.3M



DETAIL A
 SCALE 1 : 184

CERN EXPERIMENT ACCESS RESTRICTIONS
 VB GRAVES
 29 MAR 2005

Hg Cylinder Sizing

V Graves 29 Mar 2005

Hg Flow Rate 1.57 liter/sec

Old Baseline						
Jet Duration	20	sec				
Cylinder Dia (in)	Required Volume (in ³)	Piston Area (in ²)	Stroke (in)	Hg Volume (liter)	Hg in Piping (liter)	Total Hg Inventory (liter)
14	1916	153.9	12.4	31.4	4	35
12	1916	113.1	16.9			
10	1916	78.5	24.4			
8	1916	50.3	38.1			

New Baseline						
Jet Duration	12	sec				
Cylinder Dia (in)	Required Volume (in ³)	Piston Area (in ²)	Stroke (in)	Hg Volume (liter)	Hg in Piping (liter)	Total Hg Inventory (liter)
14	1150	153.9	7.5	18.8	4	23
12	1150	113.1	10.2			
10	1150	78.5	14.6			
8	1150	50.3	22.9			