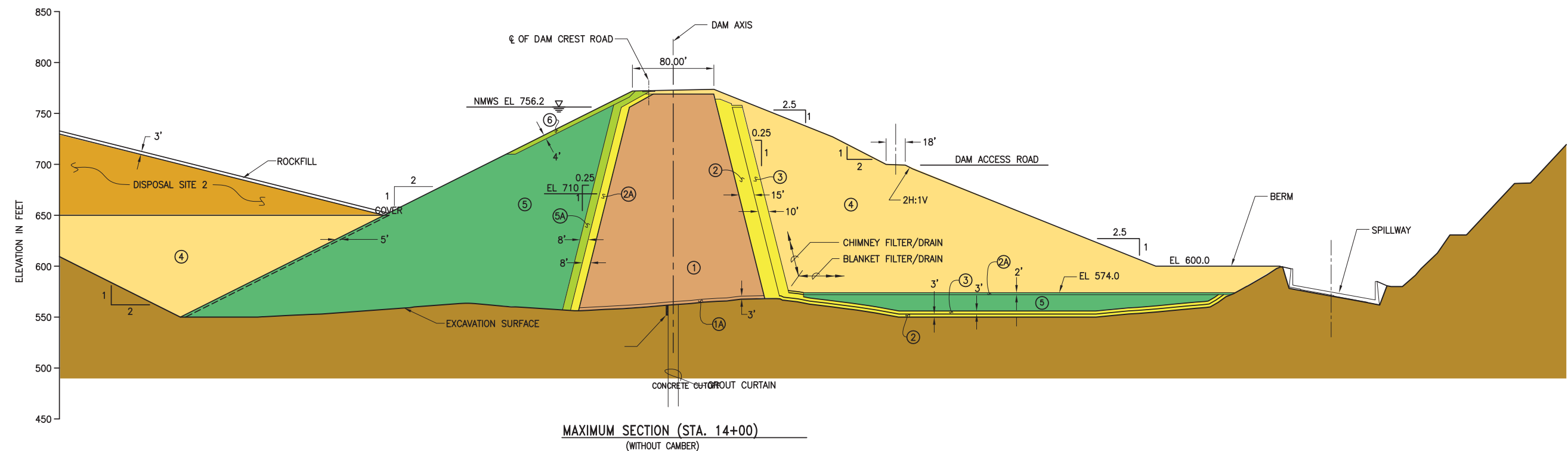


Dam Embankment Maximum Section



SUMMARY OF DAM ZONES

ZONE	DESCRIPTION	MATERIALS	SOURCE	GENERAL MATERIAL DESCRIPTION	PLACEMENT/COMPACTION REQUIREMENTS				
					LIFT THICKNESS (INCHES)	COMPACTION EQUIPMENT	NO. OF PASSES	RELATIVE COMPACTION	DEVIATION FROM OPTIMUM MOISTURE CONTENT
1	DAM CORE	CLAYEY SOILS	BORROW AREA E	6" max., 25% min. passing #200 Sieve	8	Tamping foot roller	min. 8	98	0 to +2
1A	DAM CORE (at foundation and abutments)			3" max., 25% min. passing #200 Sieve	12 (Initial) 6 (thereafter)	Rubber tire loader with full bucket	min. 6	98	0 to +2
2	DOWNSTREAM FILTER	SAND	IMPORT	3/8" max., 4% min. passing #200 Sieve	12	12-ton smooth drum vib roller	4 (in blanket) 2 (in chimney)	N/A	N/A
2A	FILTER	SAND AND GRAVEL	IMPORT	3/4" max., 4% min. passing #200 Sieve	12	12-ton smooth drum vib roller	4 (in blanket) 2 (in chimney)	N/A	N/A
3	DRAIN	GRAVEL	IMPORT	1" max., 5% max. passing #8 Sieve	12	12-ton smooth drum vib roller	4 (in blanket) 2 (in chimney)	N/A	N/A
3A	DRAIN AROUND PERFORATED PIPE	GRAVEL	IMPORT	1.5" max., 4% max. passing #16 Sieve	6	Small equipment	4	N/A	N/A
4	DOWNSTREAM SHELL/ RIGHT ABUTMENT BUTTRESS / EXISTING SPILLWAY FILL	EARTHFILL	SPILLWAY EXCAVATION	9" max.	12	tamping foot roller followed by 12-ton smooth drum vib roller	6 & 6	N/A	-2 to +2 (-3/4" fractional)
4A	RIGHT ABUTMENT BUTTRESS	EARTHFILL	SPILLWAY EXCAVATION	16" max.	18	tamping foot roller followed by 12-ton smooth drum vib roller	6 & 6	N/A	-2 to +2 (-3/4" fractional)
5	ROCKFILL SHELL (upstream)	ROCKFILL	BORROW AREA B AND SPILLWAY EXCAVATION	30" max., 40% max. passing 1", 20% max. #4 Sieve	36	12-ton smooth drum vib roller	6	N/A	N/A
	ROCKFILL SHELL (downstream)	ROCKFILL	BORROW AREA B	30" max., 40% max. passing 1", 10% max. #4 Sieve	36	12-ton smooth drum vib roller	6	N/A	N/A
5A	COARSE FILTER	FINE ROCKFILL	BORROW AREA B	4" max., 10% max. passing #4 Sieve	18	12-ton smooth drum vib roller	4	N/A	N/A
6	RIPRAP	ROCKFILL	BORROW AREA B AND SPILLWAY EXCAVATION	36" max.	Dumped in one layer on upstream slope	N/A	N/A	N/A	N/A

