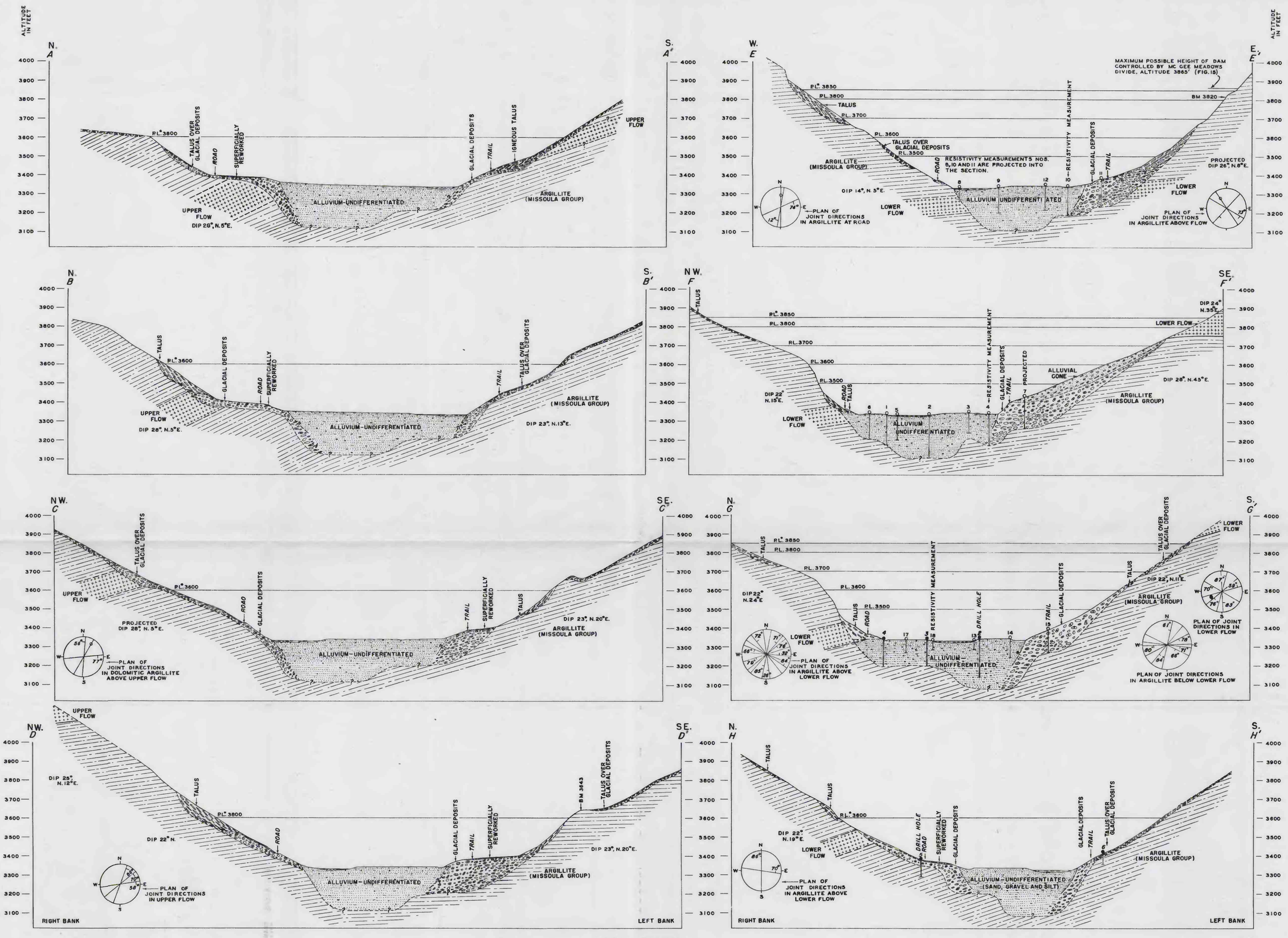

EXPLANATION

ALL VIEWS UPSTREAM

NOTES ON DIPS IN CROSS SECTIONS
REFER TO TRUE DIPS.
RESISTIVITY STATION NUMBERS REFER TO LINES ON GEOLOGIC MAP, FIG. 18.

RELATIONSHIPS OF SURFICIAL DEPOSITS, IGNEOUS ROCKS, AND BURIED BED ROCK. PROFILES ARE HYPOTHETICAL EXCEPT AS INDICATED BY SOLID LINES.

COMPARISON OF DAM SECTIONS

AREAS AT 3600′ POOL LEVEL						SECTION E—E′											SECTION F—F′											SECTION G—G′										
SECTIONS	APPROXIMATE ALTITUDE OF STREAM BED	ELEVATION OF POOL LEVEL ABOVE STREAM BED	WIDTH OF OPEN VALLEY AT POOL LEVEL	AREA OF OPEN VALLEY	ALTITUDE OF POOL LEVEL	APPROXIMATE ALTITUDE OF CHANNEL BOTTOM	ELEV. POOL LEVEL ABOVE CHANNEL BOTTOM	WIDTH OF VALLEY AT POOL LEVEL			AREA (SQ. FT.)					ALTITUDE OF POOL LEVEL	APPROXIMATE ALTITUDE OF CHANNEL BOTTOM	ELEV. POOL LEVEL ABOVE CHANNEL BOTTOM	WIDTH OF VALLEY AT POOL LEVEL			AREA (SQ. FT.)					ALTITUDE OF POOL LEVEL	APPROXIMATE ALTITUDE OF CHANNEL BOTTOM	ELEV. POOL LEVEL ABOVE CHANNEL BOTTOM	WIDTH OF VALLEY AT POOL LEVEL			AREA (SQ. FT.)					ALTITUDE OF POOL LEVEL
								OPEN	COVERED	TOTAL	OPEN	COVERED			GRAND TOTAL				OPEN	COVERED	TOTAL	OPEN	COVERED			GRAND TOTAL				OPEN	COVERED			GRAND TOTAL	
												ALLUVIUM	GLACIAL DEPOSITS	TALUS	TOTAL									ALLUVIUM	GLACIAL DEPOSITS	TALUS	TOTAL									ALLUVIUM	GLACIAL DEPOSITS	TALUS	TOTAL	
SECTION A—A′	3333	267	2210	439,410	3850	3110	740	2315	50	2365	827,750	122,400	50,000	33,700	206,100	1,033,860	3105	745	2690	25	2715	844,600	173,800	74,400	6,850	255,050	1,099,650	3080	770	2430	45	2475	823,600	146,400	66,000	20,400	232,800	1,056,400	3850
SECTION B—B′	3327	273	2110	425,290	3800	3110	690	2185	70	2255	715,750	122,400	50,000	30,800	203,200	918,950	3105	695	2485	25	2510	715,050	173,800	74,400	5,700	253,900	968,950	3080	720	2260	75	2335	706,350	146,400	66,000	17,200	229,600	935,950	3800
SECTION C—C′	3330	270	2020	402,350	3700	3110	590	1950	85	2035	509,000	122,400	50,000	22,000	194,400	703,400	3105	595	2025	50	2075	489,550	173,000	74,400	3,600	251,000	740,550	3080	620	1855	25	1880	495,600	146,400	66,000	9,300	221,700	717,300	3700
SECTION D—D′	3328	272	1890	381,180	3600	3110	490	1650	35	1685	329,000	122,400	50,000	18,400	190,800	519,800	3105	495	1585	150	1735	309,550	164,600	73,200	3,600	241,400	550,950	3080	520	1575	25	1600	325,900	146,400	65,200	8,400	220,000	545,900	3600
SECTION H—H′	3323	277	1730	337,650	3500	3110	390	1380	115	1495	176,000	122,400	50,000	11,200	183,600	359,600	3105	395	1280	250	1530	166,800	150,000	66,800	3,600	220,400	387,200	3080	420	1355	70	1425	179,600	146,400	60,000	8,400	214,800	394,400	3500

P.L.° INDICATES POOL LEVEL OF RESERVOIR

GEOLOGIC CROSS SECTIONS

GLACIER VIEW DAM SITE, FLATHEAD RIVER

IN VICINITY OF SW. CORNER SEC. 14, T. 33 N., R. 20 W.

FLATHEAD COUNTY, MONTANA

0 100 200 400 600 800 FEET

C. E. ERDMANN

725605 O - 47 (In pocket)