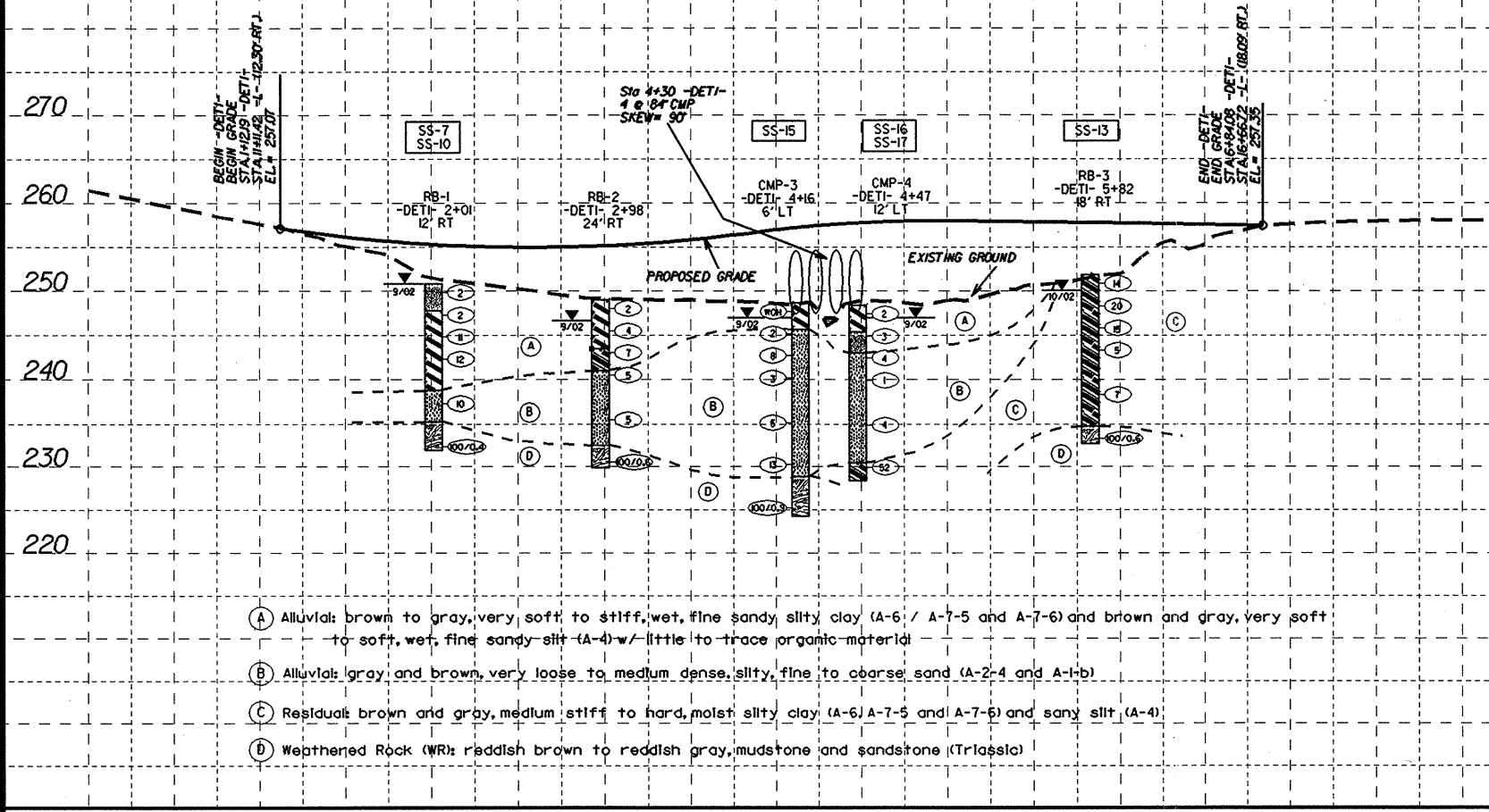


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-DET1-



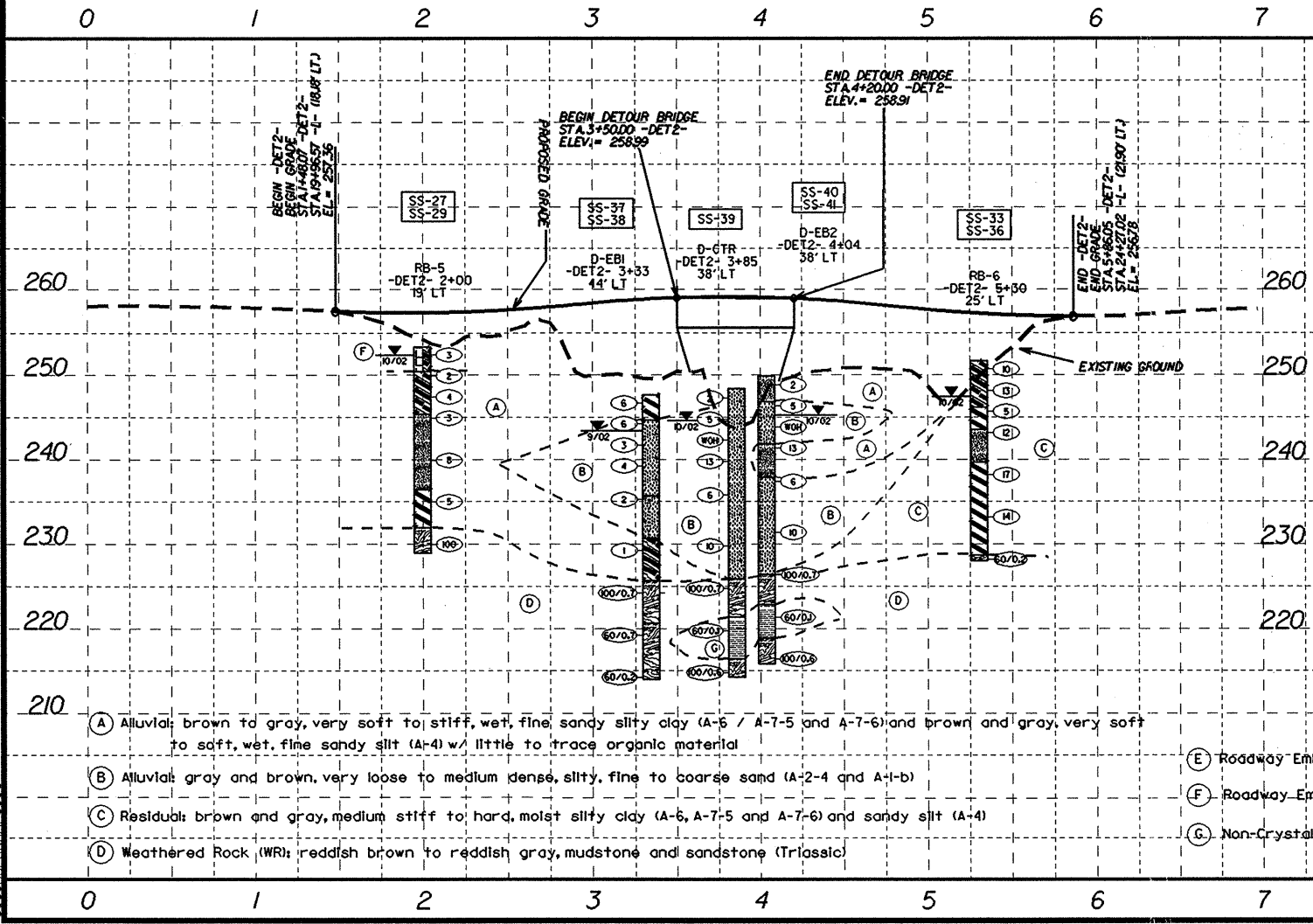
SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	LL	PL I	% BY WEIGHT				% PASSING SIEVES		
							C. SAND	F. SAND	SILT	CLAY	10	40	200
SS-7	12.5	02+01	1.00-2.50	A-7-6(36)	64	23	0.6	2.8	42.3	64.3	100	100	97
SS-10	12.5	02+01	8.50-10.00	A-2-4(0)	23	NP	19.3	52.3	14.4	14.1	100	98	96
SS-15	-6.82	04+16	8.50-10.00	A-2-4(0)	14	NP	58	31	6	8	100	84	14
SS-16	-11.78	04+47	8.50-6.00	A-4(0)	24	8	7	66	19	18	100	97	48
SS-17	-11.78	04+47	18.5-20.0	A-8(8)	37	12	9	8	69	24	88	80	71
SS-13	17.7	05+83	1.00-2.50	A-8(6)	28	12	19.3	52.3	14.4	14.1	100	98	86

FOR -DET1- PLAN, SEE SHEET 3

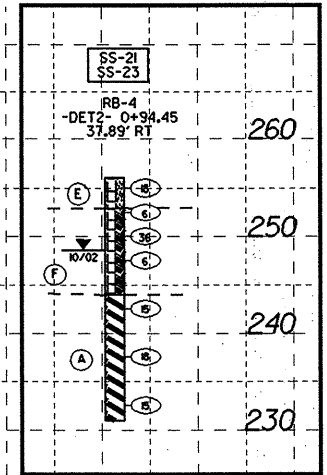
HYDRAULIC & OVERTOPPING DATA
 DESIGN DISCHARGE = 1160 cfs
 DESIGN FREQUENCY = 5 yrs.
 DESIGN HIGH WATER ELEV. = 253.9 ft

- (A) Alluvial: brown to gray, very soft to stiff, wet, fine sandy silty clay (A-6 / A-7-5 and A-7-6) and brown and gray, very soft to soft, wet, fine sandy silt (A-4) w/ little to trace organic material
- (B) Alluvial: gray and brown, very loose to medium dense, silty, fine to coarse sand (A-2-4 and A-1-b)
- (C) Residual: brown and gray, medium stiff to hard, moist silty clay (A-6, A-7-5 and A-7-6) and sandy silt (A-4)
- (D) Weathered Rock (WR): reddish brown to reddish gray, mudstone and sandstone (Triassic)



SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	LL	PL I	% BY WEIGHT				% PASSING SIEVES		
							C. SAND	F. SAND	SILT	CLAY	10	40	200
SS-37	-19.38	02+00	8.50-6.00	A-7-6(9)	41	19	16.9	18.5	28.4	36.2	84	73	58
SS-38	-19.38	02+00	8.50-10.00	A-4(0)	20	NP	13.1	56.3	16.6	14.1	100	99	38
SS-39	-44.28	03+34	1.00-2.50	A-7-6(7)	44	21	29	9	22	40	99	74	63
SS-38	-44.28	03+34	18.50-18.00	A-1-b(0)	18	NP	81	6	8	8	94	21	18
SS-39	-33.48	03+86	18.5-20.0	A-2-4(0)	19	NP	51	26	16	9	100	92	46
SS-40	-38.16	04+04	1.00-2.50	A-8(6)	28	12	19.3	52.3	14.4	14.1	100	98	36
SS-39	-38.16	04+04	8.50-10.00	A-2-4(0)	19	NP	51	26	16	9	100	99	53
SS-33	-27.40	05+30	1.00-2.50	A-8(1)	34	13	31	46	12	22	100	91	39
SS-36	-24.70	05+30	9.00-11.00	A-4(1)	23	6	3.4	47.8	28.6	20.1	100	100	69
SS-31	37.89	0+94	8.00-7.50	A-8(4)	39	16	16	27	38	18	78	87	46
SS-23	37.89	0+94	18.50-18.00	A-7-6(20)	48	21	6	10	48	40	100	97	89



HYDRAULIC & OVERTOPPING DATA
 DESIGN DISCHARGE = 2560 cfs
 DESIGN FREQUENCY = 5 yrs.
 DESIGN HIGH WATER ELEV. = 255.8 ft

FOR -DET2- PLAN, SEE SHEET 4

-DET2-

- (A) Alluvial: brown to gray, very soft to stiff, wet, fine sandy silty clay (A-6 / A-7-5 and A-7-6) and brown and gray, very soft to soft, wet, fine sandy silt (A-4) w/ little to trace organic material
- (B) Alluvial: gray and brown, very loose to medium dense, silty, fine to coarse sand (A-2-4 and A-1-b)
- (C) Residual: brown and gray, medium stiff to hard, moist silty clay (A-6, A-7-5 and A-7-6) and sandy silt (A-4)
- (D) Weathered Rock (WR): reddish brown to reddish gray, mudstone and sandstone (Triassic)
- (E) Roadway Embankment: brown and gray, medium dense, moist, silty fine sand (A-2-4) w/ gravel
- (F) Roadway Embankment: brown, soft to hard, moist to wet, sandy clay (A-6)
- (G) Non-Crystalline Rock (NCR): gray, mudstone (Triassic)

SYSTEMS DESIGN USER MANUAL