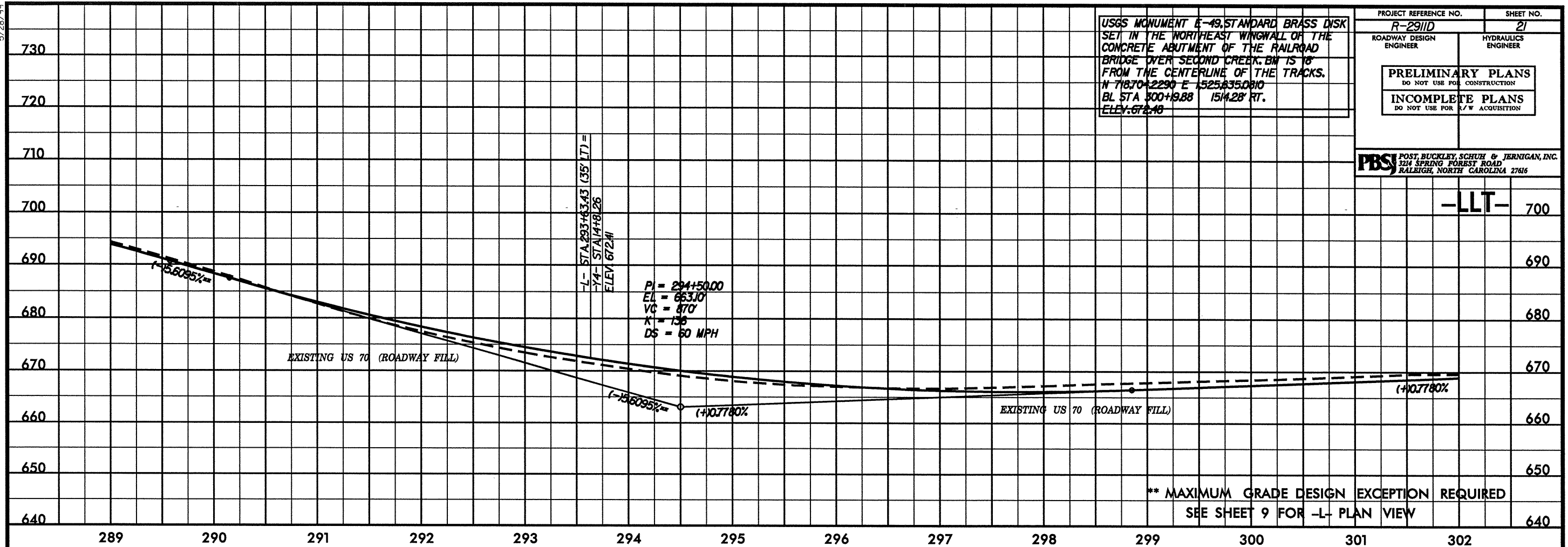


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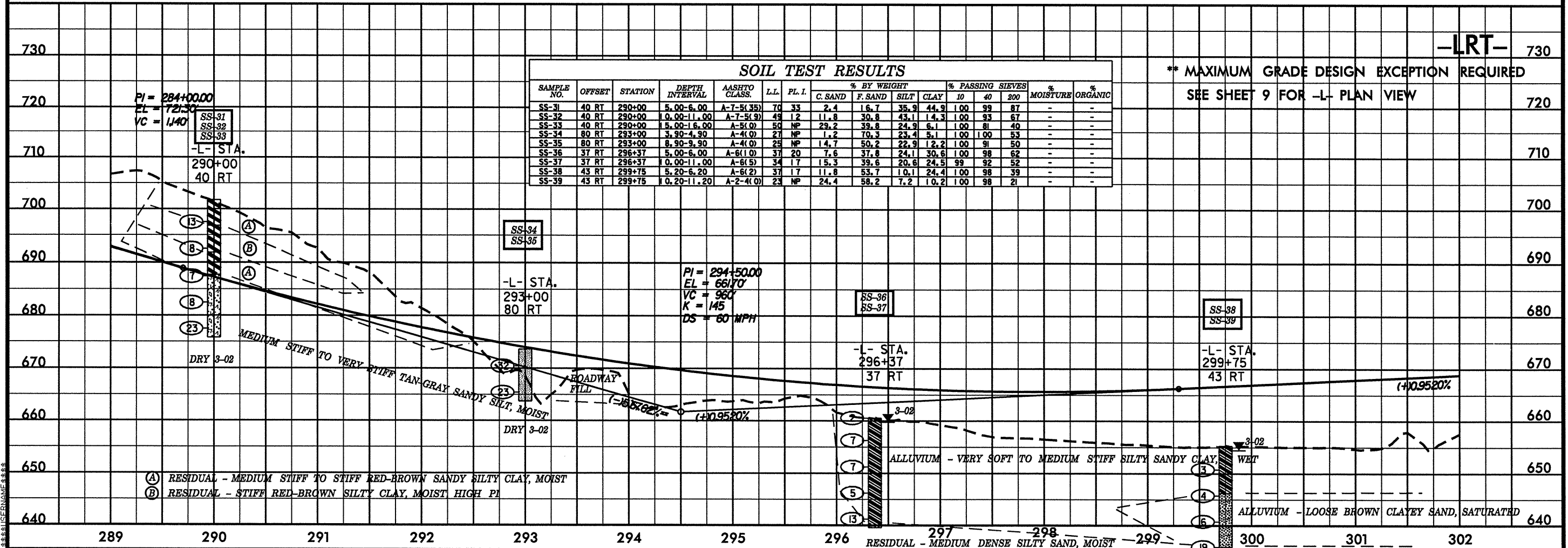
USGS MONUMENT E-49, STANDARD BRASS DISK SET IN THE NORTHEAST WINGWALL OF THE CONCRETE ABUTMENT OF THE RAILROAD BRIDGE OVER SECOND CREEK. BM IS 18' FROM THE CENTERLINE OF THE TRACKS. N 71870+2290 E 1525+35.000 BL STA 300+19.88 154.28' RT. ELEV. 672.48

PROJECT REFERENCE NO. R-2911D	SHEET NO. 21
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
INCOMPLETE PLANS DO NOT USE FOR A/W ACQUISITION	
PBS POST, BUCKLEY, SCHUH & JERNIGAN, INC. 3214 SPRING FOREST ROAD RALEIGH, NORTH CAROLINA 27616	



**** MAXIMUM GRADE DESIGN EXCEPTION REQUIRED**
SEE SHEET 9 FOR -L- PLAN VIEW

-LRT-



**** MAXIMUM GRADE DESIGN EXCEPTION REQUIRED**
SEE SHEET 9 FOR -L- PLAN VIEW

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	L.L.	P.L.I.	% BY WEIGHT				% PASSING SIEVES			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-31	40 RT	290+00	5.00-6.00	A-7-5(35)	70	33	2.4	16.7	35.9	44.9	100	99	87	-	-
SS-32	40 RT	290+00	0.00-11.00	A-7-5(9)	49	12	11.8	30.8	43.1	14.3	100	93	67	-	-
SS-33	40 RT	290+00	1.00-16.00	A-5(0)	50	NP	29.2	39.8	24.9	6.1	100	81	40	-	-
SS-34	80 RT	293+00	3.90-4.90	A-4(0)	27	NP	1.2	10.3	23.4	5.1	100	100	53	-	-
SS-35	80 RT	293+00	8.90-9.90	A-4(0)	25	NP	14.7	50.2	22.9	12.2	100	91	50	-	-
SS-36	37 RT	296+37	5.00-6.00	A-6(10)	37	20	7.6	37.8	24.1	30.6	100	98	62	-	-
SS-37	37 RT	296+37	0.00-11.00	A-6(5)	34	17	15.3	39.6	20.6	24.5	99	92	52	-	-
SS-38	43 RT	299+75	5.20-6.20	A-6(2)	37	17	11.8	53.7	10.1	24.4	100	98	39	-	-
SS-39	43 RT	299+75	0.20-11.20	A-2-4(0)	23	NP	24.4	58.2	7.2	10.2	100	98	21	-	-

- (A) RESIDUAL - MEDIUM STIFF TO STIFF RED-BROWN SANDY SILTY CLAY, MOIST
- (B) RESIDUAL - STIFF RED-BROWN SILTY CLAY, MOIST HIGH PI

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