

FILE NO.	DATE	DESIGNED BY	CHECKED BY	APPROVED BY	SCALE
12	UTAH	75-A			

GENERAL NOTES

All concrete to be "Class A" and is to be kept moist 14 days after pouring. All exposed edges to be chamfered 1" unless shown otherwise.

Reinforcing steel to be deformed bars, overlapped 50 diameters at all splices and secured against displacement by wiring all intersections with #16 iron wire, and shall have a minimum of 1" clear cover of concrete. All reinforcing steel shall fulfill the requirements of the A.S.H.O. Specifications of 1935. Bar diagrams are not drawn to scale and those bars not detailed are either straight or field bent. All dimensions are to 1/4" of bar unless otherwise shown.

Contractor to furnish all materials. Contractor shall conduct necessary tests of foundations by driving test piles, one under each pier and one under the East abutment. These shall be tested with a load of 32 Tons. For estimating purposes 25 piles have been specified.

Where joint filler is specified on these plans Gray sponge rubber shall be used to face all exposed surfaces and where joint has depth of more than 6" from an exposed surface the remainder of the joint filler may be black sponge rubber.

DESIGN DATA

Live Load: 2-15 Ton Trucks plus Impact
A.S.H.O. Specifications of 1935.
Dead Load: Concrete 150#/cu ft. and 15#/sq. ft. allowed for future wearing surface.
Stresses: Steel 16,000#/sq. Concrete 900#/sq. in compression

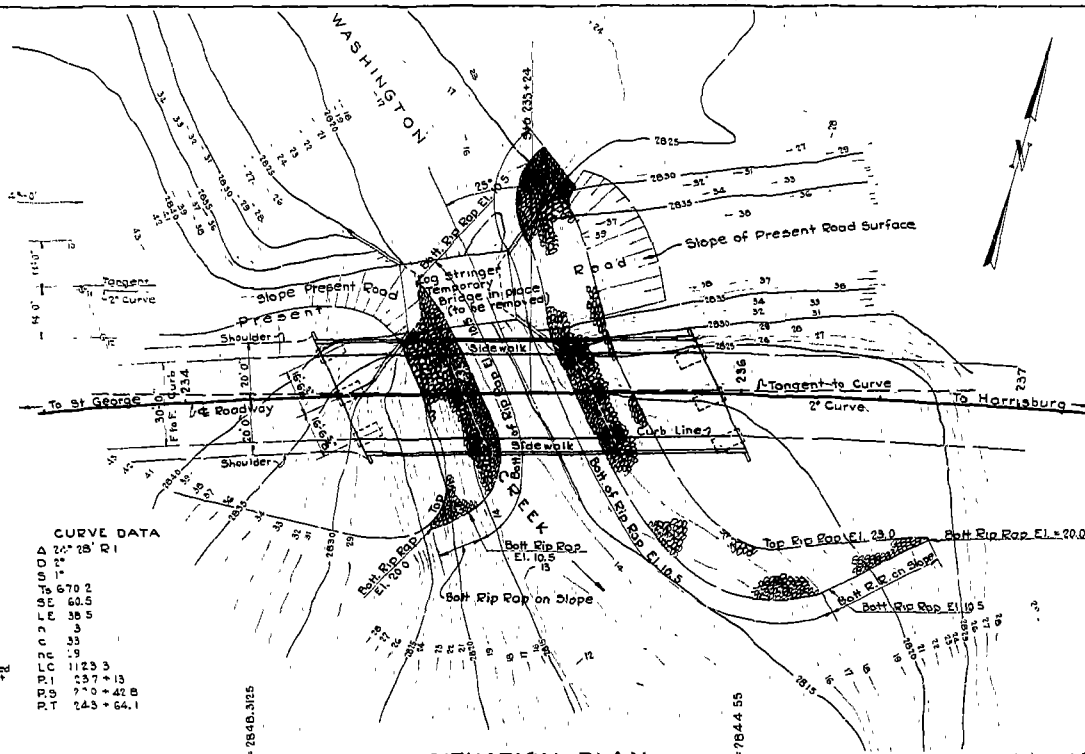
Note: After structure is completed, dismantle East abutment to Elev. 11.5 and West abutment to Elev. 23.0 and use material in the construction of Rip Rap Slope protection, as shown on plan, furnishing such additional rock as may be necessary. Rip Rap shall be laid 18" thick and grouted. Top Elev. 23.0

Before computing structural excavation the material within the channel shall be removed as unclassified excavation.

QUANTITIES

Structural Excav.	400	Cu.Yd.
Concrete Class "A"	523	
Cement	3295	Bags
Reinforcing Steel-#20	433	Lb.
Piles (treated) 84 @ 25'	2,100	Lin. Ft.
Test Piles (each Pier & Abut.)	3	Piles
Roller Exph. Units (Complete)	15	
Rip Rap (18" thick)	362	Cu.Yds.
Concrete Handrail	279	Lin. Ft.

Sheet 1 of 7 sheets
UTAH STATE ROAD COMMISSION
H. C. WILSON, Chief Engineer
WASHINGTON CR. BRIDGE
350-6-1-5 SPAN-CONC. T-BEAM
Sta 235+24 F.A.P. 79 A
St. George-Harrisburg Wash Co.
Designed by E.G.C. Checked by E.G.C.
Reviewed by E.G.C. Approved by E.G.C.
Bridge No. 1000, No. D-416
11-81-13

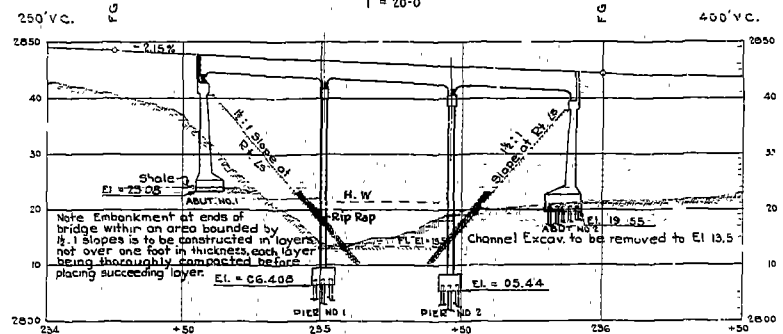


CURVE DATA

A	24° 28' R1
D	21'
S	1"
Ts	670.2
SE	60.5
LE	38.5
C	33
nc	.9
LC	1123.3
P1	237.13
P2	77.0 + 42.8
PT	243 + 64.1

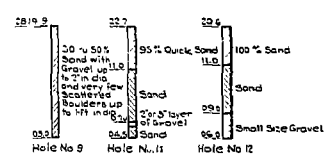
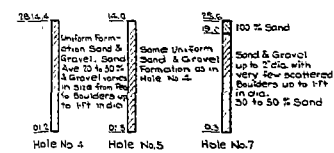
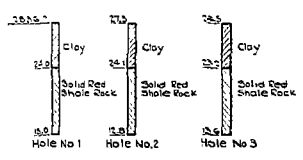
SITUATION PLAN

1" = 20' 0"



PROFILE

Scale: Hor. 1" = 20' Vert. 1" = 10'



SECTIONS OF TEST HOLES

