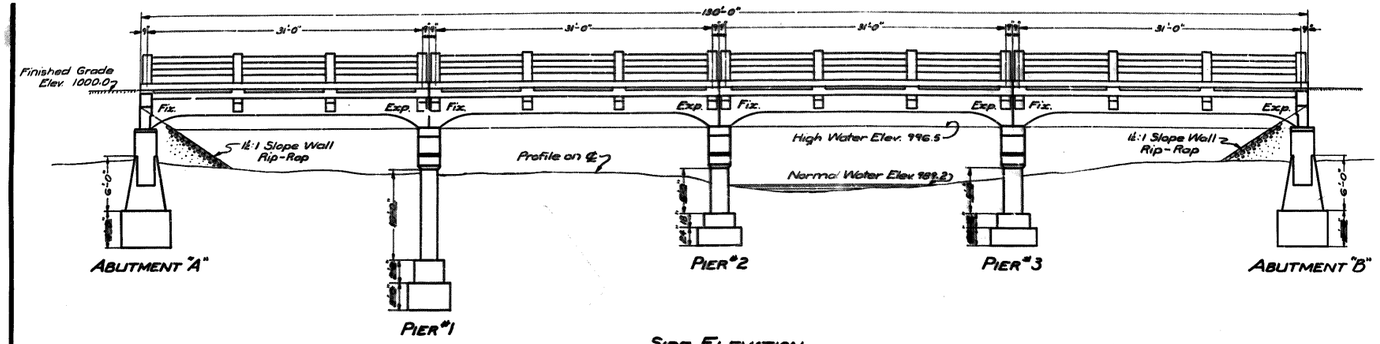
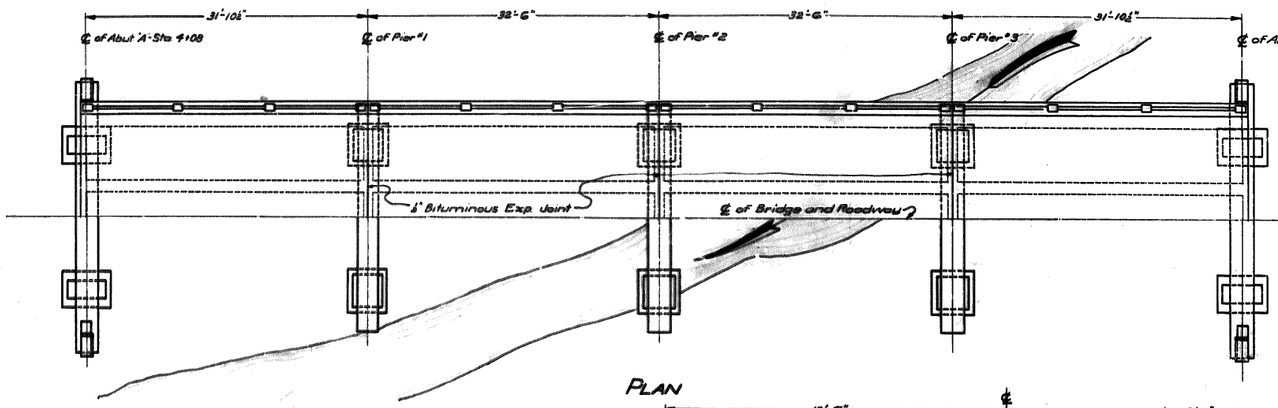
FED. ROAD DIST. NO.	STATE	B. P. R. ROUTE NO.	B. P. R. PROJ. NO.	STATE ROUTE NO.	STATE PROJ. NO.	SHEET NO.	TOTAL SHEETS
10	Va.			39	596		



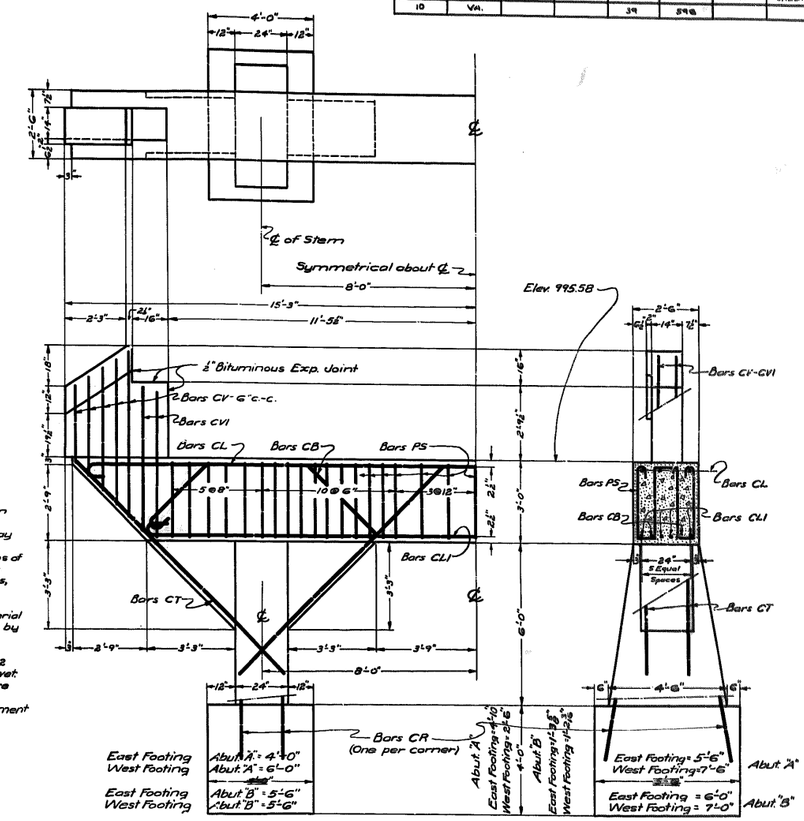
Side Elevation



Plan

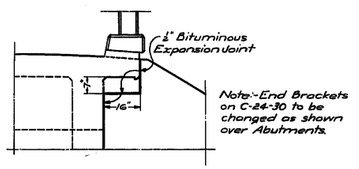
General Note:-

Roadway 24 feet. Capacity 2-15 ton trucks passing.
Specifications:- Virginia State Highway Commission, 1926.
To provide for variations in elevations of foundations, for Piers, adjustments will be made in the heights of stems, for Abutments, adjustments will be made in the footings.
Footings shall extend to firm material and Foundations shall be approved by the Engineer.
All concrete to be class "A".
All excavation above Elevation 989.2 shall be classified as dry - below as wet.
For further details of Superstructure see Standard Plan C-24-30.
B.M. N.E. corner of old bridge abutment Sta. 6+13, Elevation 994.4.



East Footing	Abut "A" = 4'-0"
West Footing	Abut "A" = 6'-0"
East Footing	Abut "B" = 5'-6"
West Footing	Abut "B" = 5'-6"

Details of Abutments



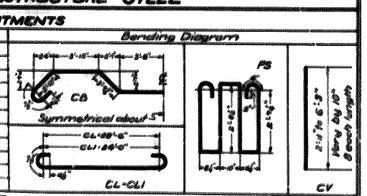
Part End View Over Abutments

Schedule of Substructure Steel

Steel in Abutments

Mark	Size	No.	Length	Location
CB	1" ⌀	4	24'-1"	Beams
CL	1" ⌀	8	30'-6"	Beams
CLI	1" ⌀	8	26'-0"	Beams
CT	1" ⌀	16	11'-0"	Brackets
CR	1" ⌀	16	10'-0"	Stems
PS	⅝" ⌀	74	18'-7"	Beam Stirrups
CV	½" ⌀	40	2'-4" to 6'-9"	Wing Walls
CVI	½" ⌀	16	5'-4"	Wing Walls

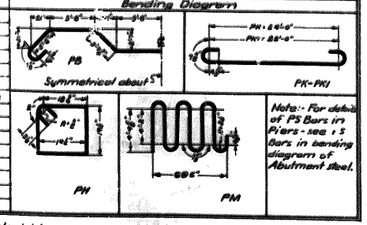
Bending Diagram



Steel in Piers

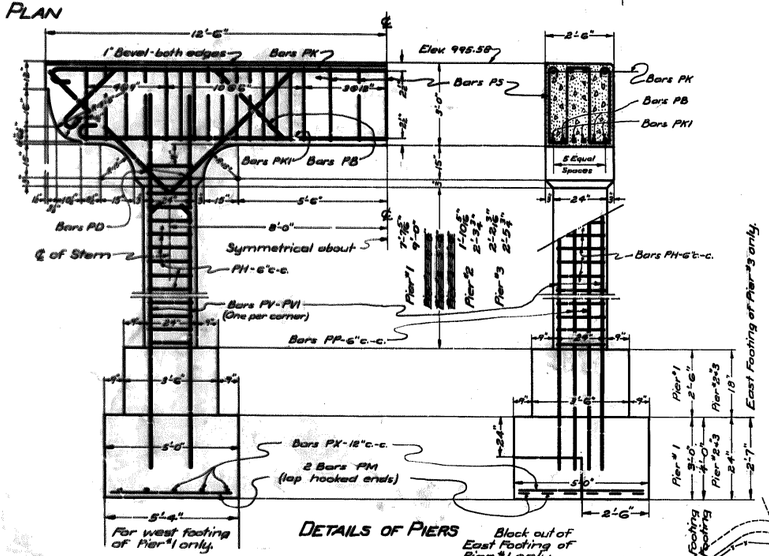
Mark	Size	No.	Length	Location
PB	1" ⌀	6	28'-11"	Beams
PK	1" ⌀	18	26'-0"	Beams
PKI	1" ⌀	18	24'-0"	Beams
PP	1" ⌀	24	9'-0"	Stems
PD	1" ⌀	24	7'-6"	Brackets
PV	1" ⌀	8	18'-0"	Pier #1 - Stem
PVI	1" ⌀	16	11'-0"	Pier #2 & 3 Stems
PS	⅝" ⌀	105	19'-7"	Beam Stirrups
PX	⅝" ⌀	30	4'-6"	Footings
PM	⅝" ⌀	12	29'-6"	Footings
PH	⅝" ⌀	92	7'-0"	Stems

Bending Diagram



Note:- For details of PS Bars in Piers - see 1:5 Bars in bending diagram of Abutment Steel.

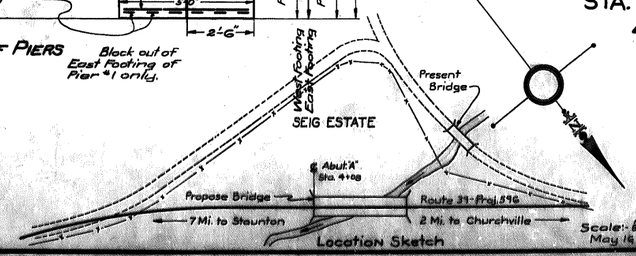
Bars not shown in bending diagram are straight.
All bends to be made with a radius of 2½ diameters, unless otherwise shown.



Details of Piers

Block out of East Footing of Pier #1 only.

	Concrete Cu. Yds. Class "A"		Reinforcing Steel Lbs.	Excavation Cu. Yds. Dry	Wet
Superstructure	177.2		35,940		
Abutment "A" Neat	13.2		2,085		
Abutment "A" Footing		8.1		7	21
Pier #1		17.1	2,305	5	43
Pier #2		13.0	1,990	6	13
Pier #3		13.7	1,990	7	16
Abutment "B" Neat	13.2		2,085		
Abutment "B" Footing		3.3		10	15
Totals:-		258.2	46,295	36	108



Location Sketch

Scale:- ½" = 1'-0"
May 18, 1929.

Finals Posted - Nov. 12, 1929.

Drawn by C.E.R.
Traced by C.E.R.
Checked by J.C.M.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HIGHWAYS

PROPOSED BRIDGE

OVER WHISKEY CREEK - NEAR CHURCHVILLE
STA. 4+75 - ROUTE 39 - PROJ. 596 - AUGUSTA COUNTY
4-30'-0" REINFORCED CONCRETE BEAM SPANS
RICHMOND, VA.

Recommended for Approval:- M. R. Gibbens
Bridge Engineer

Approved:- C. S. Mullen
Chief Engineer

12 of 1

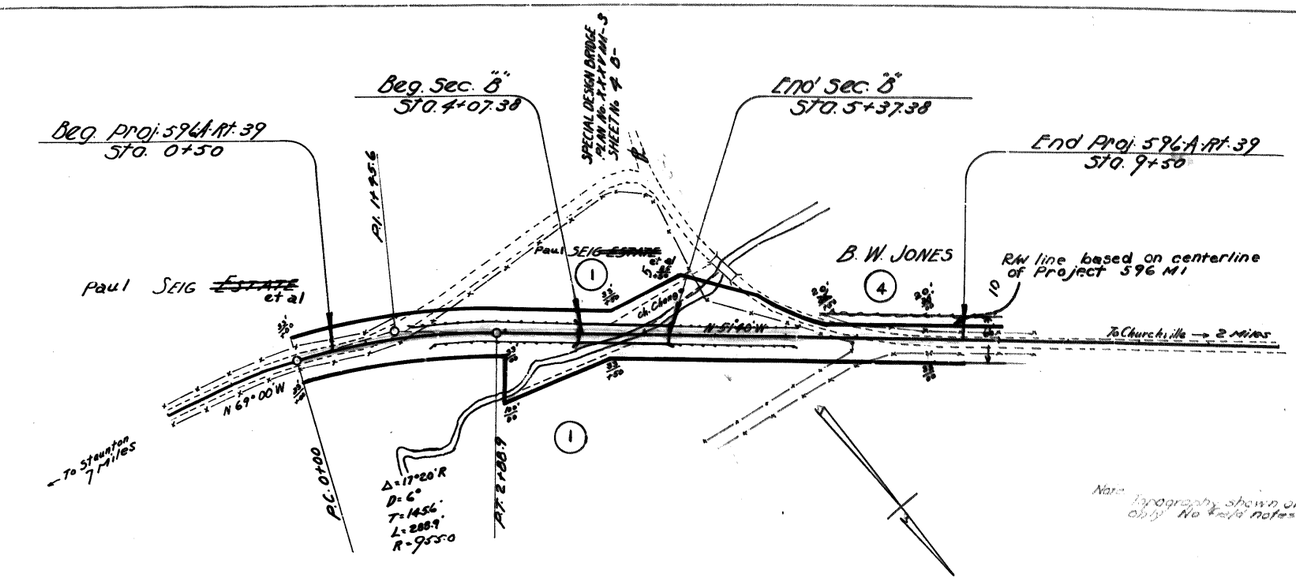
XXXVIII-3

3-8-0317

FED. ROAD DIST. NO.	STATE	B.P.R. ROUTE	B.P.R. PROJ.	STATE ROUTE	STATE PROJ.	SHEET NO.	TOTAL SHEETS
10	VA.			39	596A	#3	4

Rt 250

RIGHT OF WAY
REVISED 12-30-47



Note: Topography shown on plans approximate only. No field notes in office.

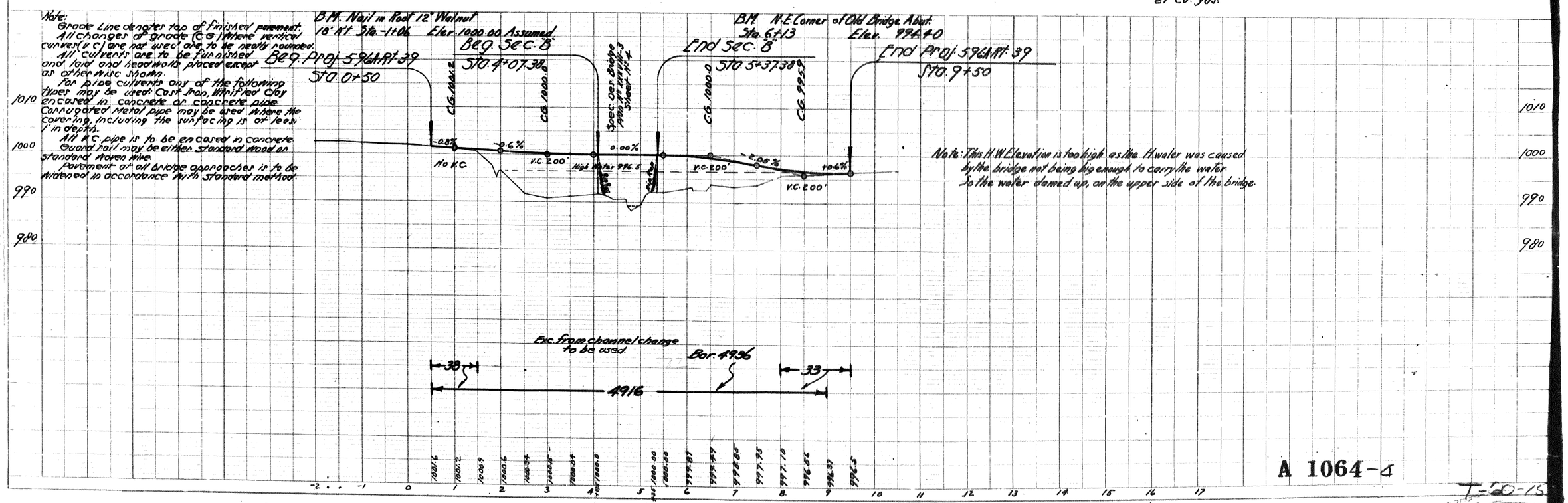
Paul SEIG ~~ESTATE~~ et al

Sta.	to	Std. Guard Rail Sta.	Side	Lin. Ft.
1+51.5		4+07.5	R	256
1+99.5		4+07.5	L	208
5+35		7+11	R.L	352
			Total	816

Channel Change
Sta. 5+00 On R.&L. 493 Cu. Yds.

Rip Rap For Slope Walls On Bridge
21 Cu. Yds.

Note:
Grade Line denotes top of finished pavement.
All changes of grade (C.G.) where vertical curves (V.C.) are not used are to be neatly rounded.
All culverts are to be furnished and laid and headwalls placed except as otherwise shown.
For pipe culverts any of the following types may be used: Cast Iron, Vitrified Clay encased in concrete or concrete pipe. Corrugated Metal pipe may be used where the covering, including the surfacing is at least 1' in depth.
All V.C. pipe is to be encased in concrete.
Guard rail may be either standard wood or standard woven wire.
Pavement at all bridge approaches is to be widened in accordance with standard method.



Note: This H.W. Elevation is too high as the H. water was caused by the bridge not being big enough to carry the water. So the water damed up, on the upper side of the bridge.

A 1064-4

T-60-15

A 1064-004