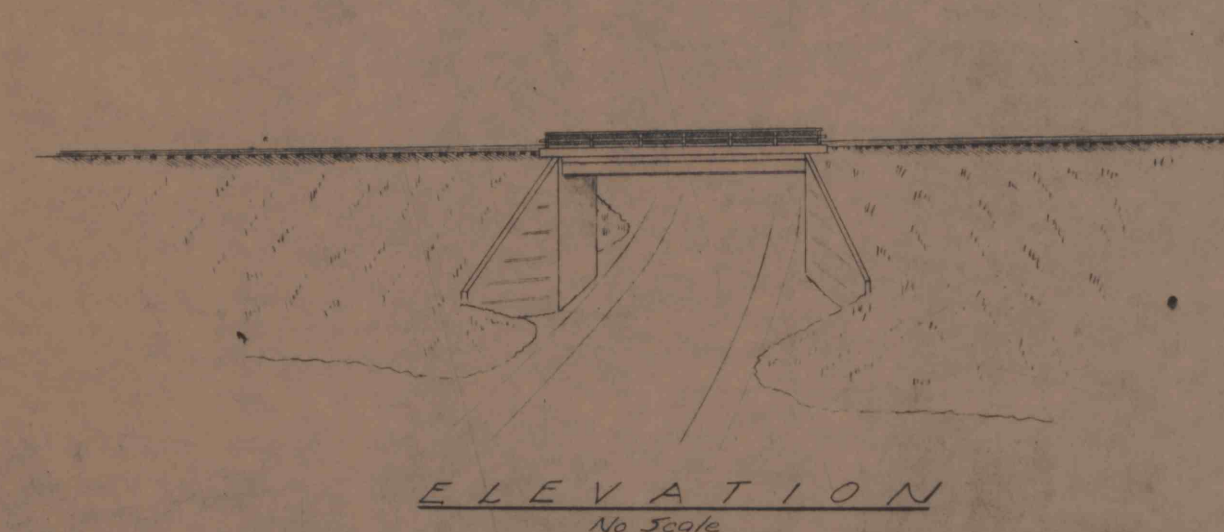
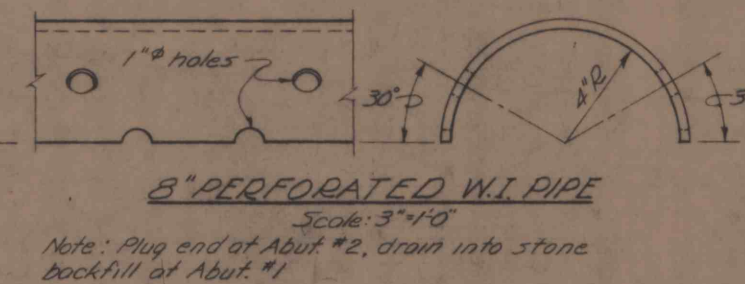
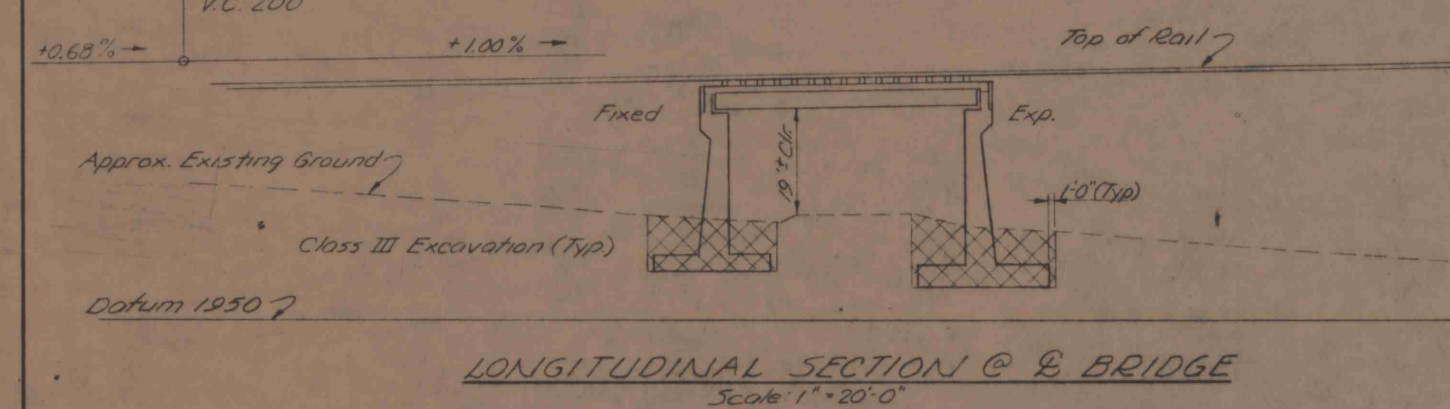
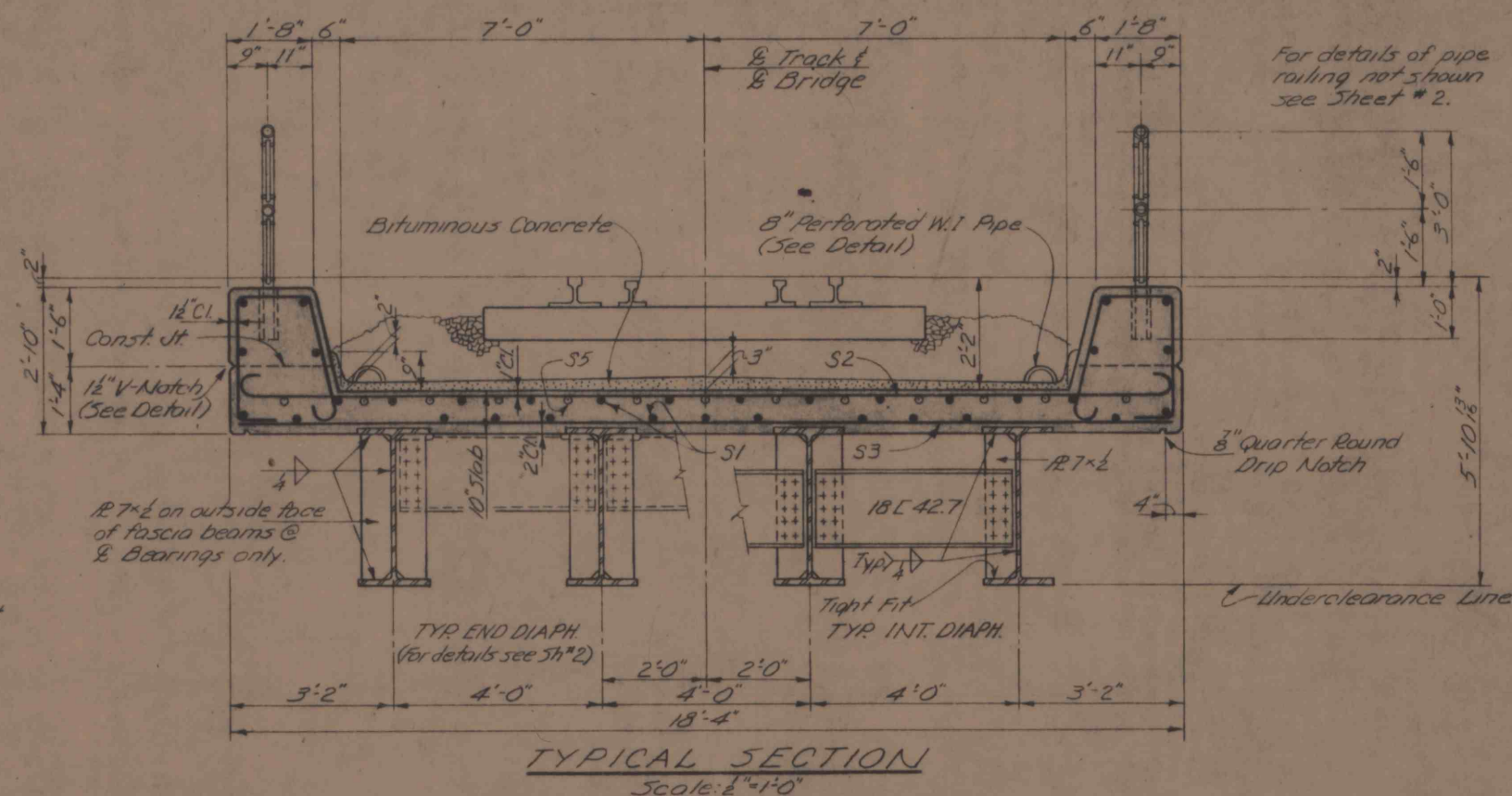
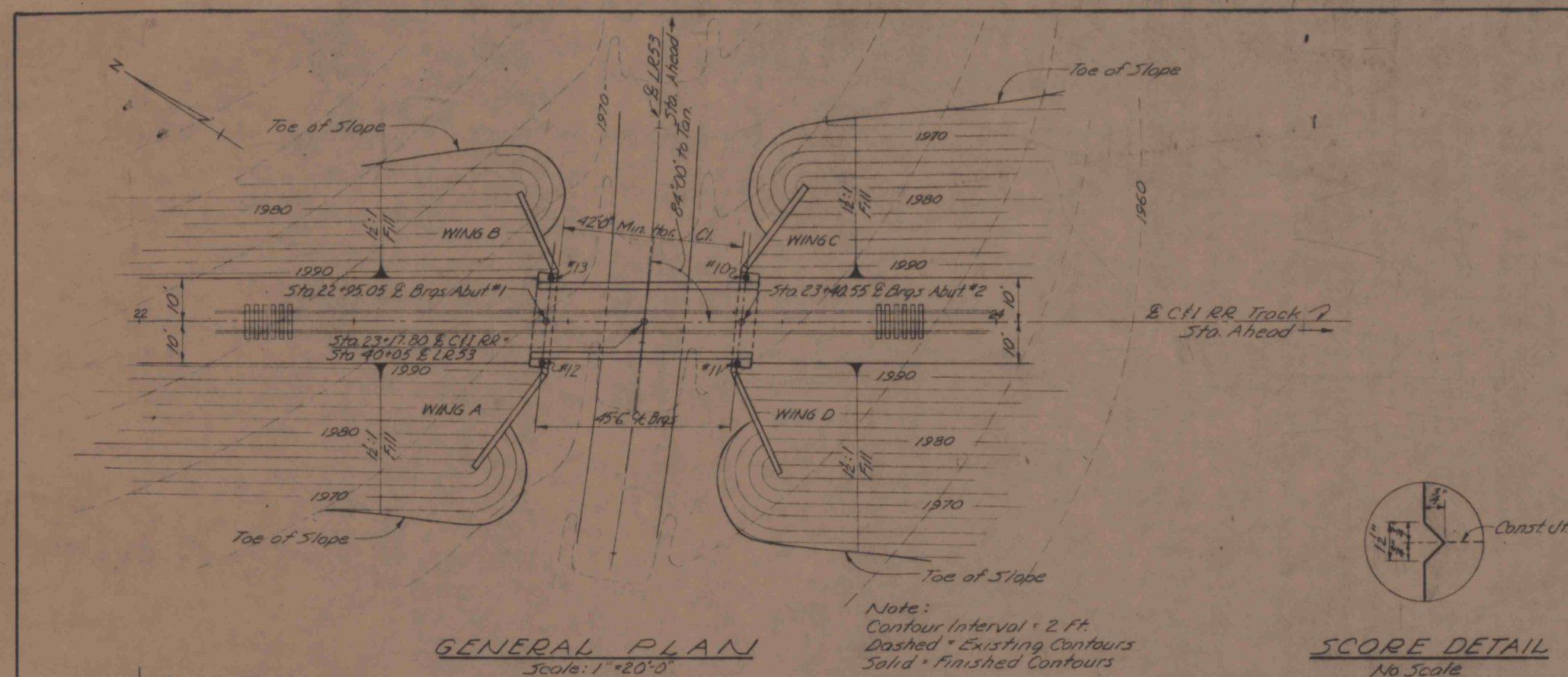




HOLE #10

Location 57d 29 + 41.3 10'L
Existing Ground EL 1967.35

	1967.35	0'	Blows	
				Clay
1961.35	1962.35	5'0"	31	
1957.35	1958.35	8'0"		Clay
				Sandy Shale
1957.22	1956.72			Clay, Soft
				Shale, Gray, Sandy
				Clay, Soft
				Shale, Grey, broken
1947.60	1948.60	18'9"		Coal
	1949.60	22'9"		Shale, broken
	1940.60	26'9"		Shale, lime spots
	1935.60	31'9"		Shale, sandy, limy

HOLE #11

Location Sta. 23+39.3 10'R
Existing Ground El. 1966.54

1966.54	0'	Blows	
<u>1960.54</u>	<u>1961.54</u>	5'0"	18 Clay
<u>1956.71</u>	<u>1957.54</u>	9'0"	40 Clay
			Shale, grey, broken
<u>1946.87</u>	<u>1947.87</u>	18'8"	Coal
	<u>1942.54</u>	24'0"	Shale, limy, broken
			Shale, sandy, limy
	<u>1928.87</u>	5'8"	

Hammer weight = 140

HOLE #12

Location Sta. 22° 24.3' 10' E
Existing Ground El. 1967.79

Depth (Elev.)	Blows	Description
1967.79	0'	
1967.79	5'0"	Clay w/ some shale
	19	
		Shale, dark brown sand streaks
1948.79	19'0"	Cool, soft
1946.28	21'6"	Shale, dark brown
1942.79	25'0"	Shale, limy, broken
1940.29	27'6"	Shale, limy
1934.79	33'0"	Shale, limy

HOLE #13

Location Sta. 22° 26.3' 10' E
Existing Ground El. 1968.88

Depth (Elev.)	Blows	Description
1968.88	0'	
1968.88	3'0"	Clay
	12	
1959.05	8'0"	Clay w/ shale
	40	
		Shale, dark, sandy, broken
1948.63	20'3"	Cool, soft
1946.05	22'10"	Shale, broken
1942.88	28'0"	Shale, black
1936.38	32'6"	Shale, grey, limy

HOLE #13

Location Sta. 22° 36.3 10' L
Existing Ground El. 1968.88

	1968.88	0'	Flows
	1963.88	5'0"	Clay
88 7		12	
	1959.88	2'0"	Clay w/shale
05		24	
	1958.46		
			Shale, dark, sandy, broken
	1948.63	20'3"	
63		22'10"	Coal, soft
	1946.05		Shale, broken
	1942.88	26'0"	Shale, black
			Shale, grey, limy
	1936.38	32'6"	

	CY Class A Concrete	CY Class B Concrete	Lbs Fabricated Structural Steel	Lbs Reinforce- ment Bars	CY Stone Back Fill for Structures	CY Bituminous Concrete	CY Class III Excavation	L.F Pipe Railing	
Superstructure	44	—	52,100	4,345	—	6	—	96	
Abutment #1	—	353	—	29,149	45	—	453	—	
Abutment #2	—	459	—	36,656	53	—	593	—	
Total	44	812	52,100**	70,150	98	6	1036	96	

DESIGN LWH CHECKED R.F.S.
DRAW ENA
TRACE ENA
ESTIMATE _____
ENGINEER IN CHARGE

** Includes: 1300 Lbs W.I. Pipe
505 Lbs Lead R

* Quantities are approximate

A circular professional seal for Earl D. Schwartz, a registered professional engineer in the Commonwealth of Pennsylvania. The seal features the text "COMMONWEALTH OF PENNSYLVANIA" around the perimeter, "REGISTERED PROFESSIONAL" at the top, and "ENGINEER No. 4370" at the bottom. The name "EARL D. SCHWARTZ" is prominently displayed in the center, with a handwritten signature below it.

BETHLEHEM MINES CORPORATION	
CAMBRIA DIVISION	
RAILROAD EXTENSION TO CAMBRIA PLANT SITE CAMBRIA COUNTY, PA.	
RAILROAD BRIDGE OVER L.R. 53	
GENERAL PLAN	
GANNETT FLEMING CORDDRY & CARPENTER, INC. ENGINEERS HARRISBURG, PA.	SCALE AS NOTED DATE 4/5/62 SHEET 1 OF 5