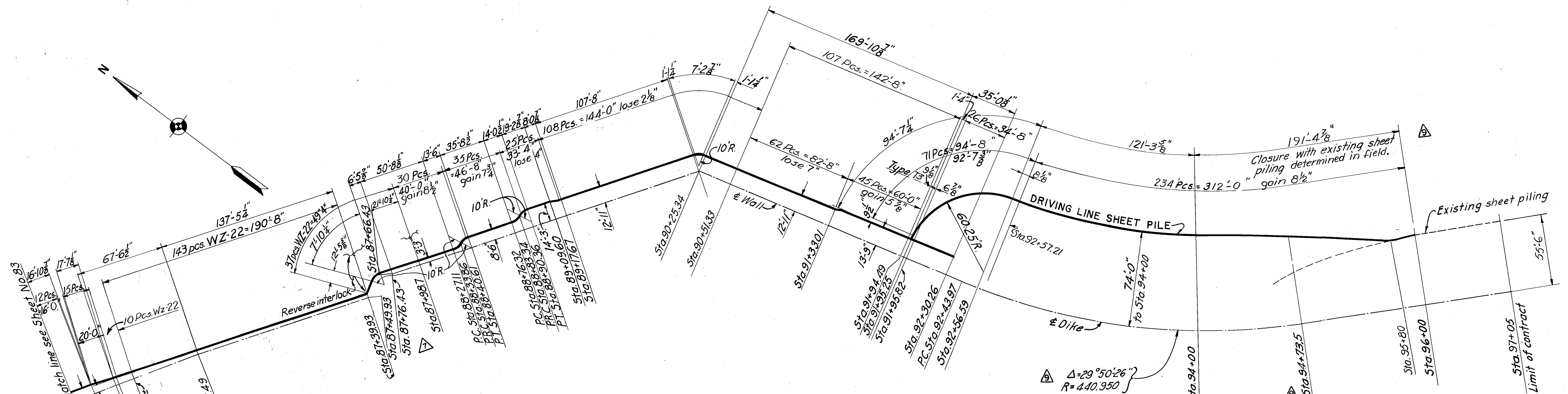
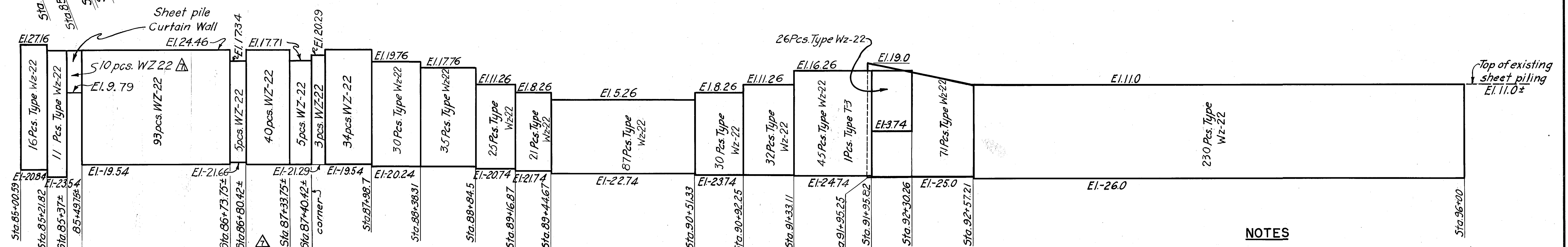




PLAN

For irregular alignment between Sta 85+35 and Sta 87+76.43 (Due to irregularity of base of tunnel) see Sheets No. 60 and 61.

For cut-offs between 86+30 and 96+00 see Final Computations.



ELEVATION

See Final Computations

STEEL SHEET PILE SCHEDULE

STATION		TOP EL.	LENGTH	NO. OF PILES			* AMOUNT LIN. FT.	AMOUNT SQ. FT.
FROM	TO			I	A	B		
85+00.59	85+21.82	27.16	48	13			21.26	1020
85+21.82	85+37±	24.46	48	10			16.35	785
85+49.75±	86+73.75±	24.46	44	93			124.00	5436
86+73.75±	86+80.42±	19.7 ±	39	5			6.67	260
86+80.42±	87+33.75±	24.46	44	40			53.33	2347
87+33.75±	87+40.42±	18.8 ±	39	5			6.67	260
87+40.42±		21.92±	42	3			4.00	168
87+428±	87+98.7	24.46	44	34			45.33	1995
87+98.7	88+38.31	19.76	40	25			40.89	1636
88+38.31	88+84.5	17.16	38	29			47.43	1802
88+84.5	89+16.87	11.26	32	20			32.71	1047
89+16.87	89+44.67	8.26	30	17			27.80	834
89+44.67	90+51.33	5.26	28	66	6		115.94	3246
90+51.33	90+92.22	8.26	32	25			40.89	1308
90+92.22	91+33.11	11.26	35	25			40.89	1431
91+33.11	91+95.92	16.26	41	1	36	2	62.81	2575
91+95.92	92+30.26	16.26	20	21			34.34	887
85+37±	85+49.75±	24.46	14.50	10 Pcs. WZ-22			12.75	185

STEEL SHEET PILE SCHEDULE

STATION		TOP EL.	LENGTH	NO. OF PILES			* AMOUNT LIN. FT.	AMOUNT SQ. FT.
FROM	TO			I	A	B		
91+95.25		19.0	4.4	9			14.72	648
		18.0	4.3	7			11.45	492
		17.0	4.2	7			11.45	481
		16.0	4.1	7			11.45	469
		15.0	4.0	7			11.45	458
		14.0	3.9	7			11.45	447
		13.0	3.8	7			11.45	435
		12.0	3.7	7			11.45	424
92+57.83	96+00±	11.0	37	181			305.82	14315
Total this sheet (Sta. 85+00.59 to 96+00)								42,211

* Lineal feet along driving line.

Reqd = 42,719.26

SHEET NO.	AMOUNT SQ. FT.	CUT-OFFS
77	4,997	4,999.25
78	23,530	23,546.71
79	41,448	42,557.96
80	34,762	35,593.39
81	44,698	44,217.73
82	49,220	29,243.14
83	75,151	75,174.80
84	42,311	42,719.26
Total	298,052.24	331,123

Net pay sq. ft. = 298,052.24 - 331,123 = 294,741.01

Cut-offs 625.54 sq. ft.

KEY	DATE	REVISION (Indicated by Δ)	REV. BY	CK. BY	AP. BY
Δ	12-31-45	As built revisions			
Δ	8-7-41	Alignment changed			
Δ	6-5-41	Revisions in Wall & Flume design			
Δ	3-10-41	Change layout and sheet totals			
Δ	8/26/40	Steel sheet piling changed			

NOTES

For general notes applying to this sheet, see Sheet No. 83.

Center line of dike coincides with center line of wall on this sheet.

Grand Total does not include the Z-pile bulkhead at the Dutch Point plant, for details and schedule, see Sheet No. 51.

Δ Piling from Sta. 85+49.75± to Sta. 87+98.7 laid out to allow use of Weirton piling on hand in field.

CONNECTICUT RIVER FLOOD CONTROL
HARTFORD DIKE
RIVERFRONT, MORGAN ST. TO STA. 96+73.
STEEL SHEET PILING LAYOUT NO. 8

CONNECTICUT RIVER, IN 135 SHEETS
CONNECTICUT RIVER, SHEET NO. 84

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAY 1940
SUBMITTED: *W. B. Brown*
DESIGNED: *W. B. Brown*
DRAWN: W.B.
TRACED: R.S.S.
CHECKED: W.B.C.
FISCAL YEAR 1940
FILE NO. CT-4-2544