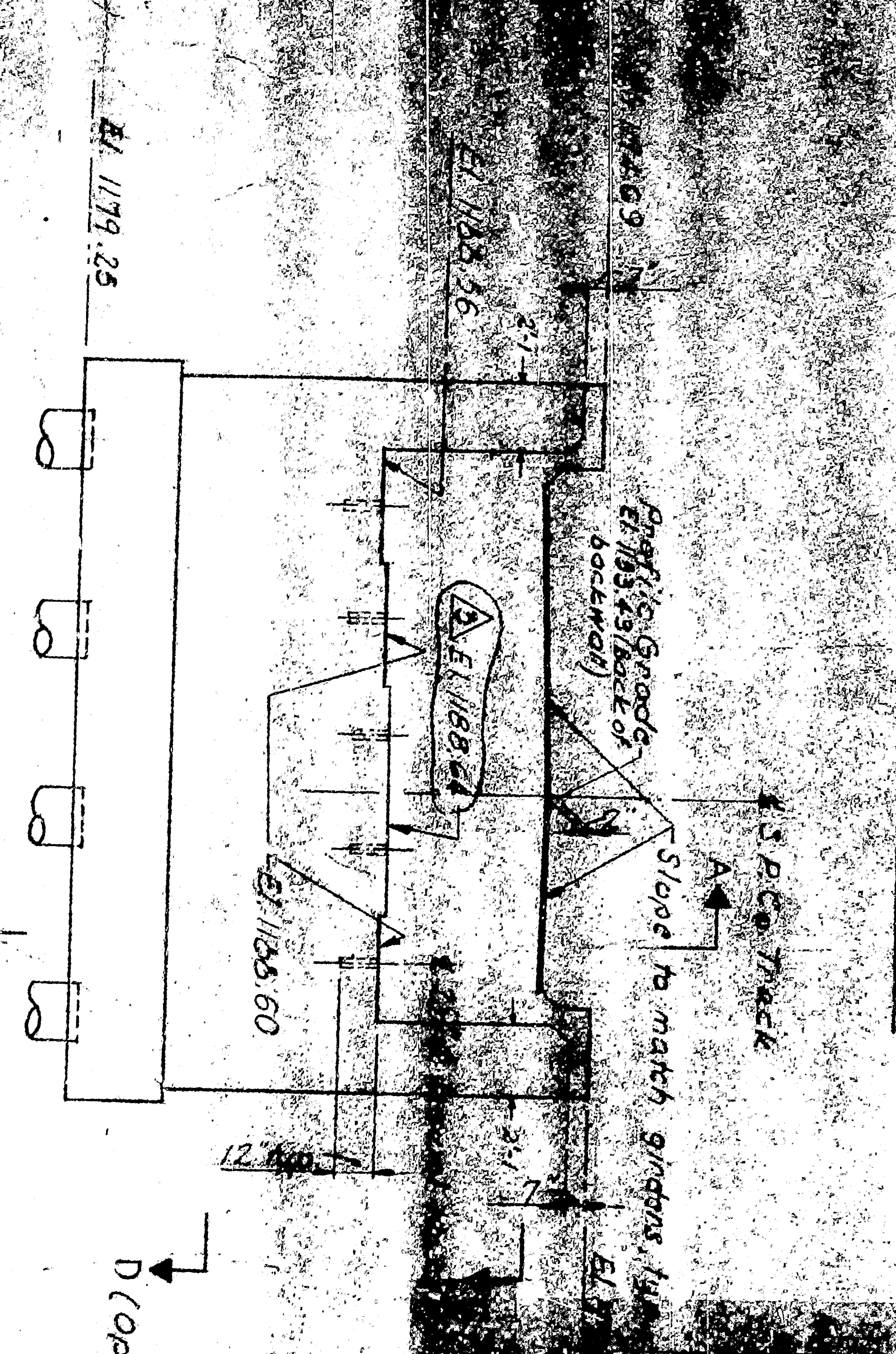
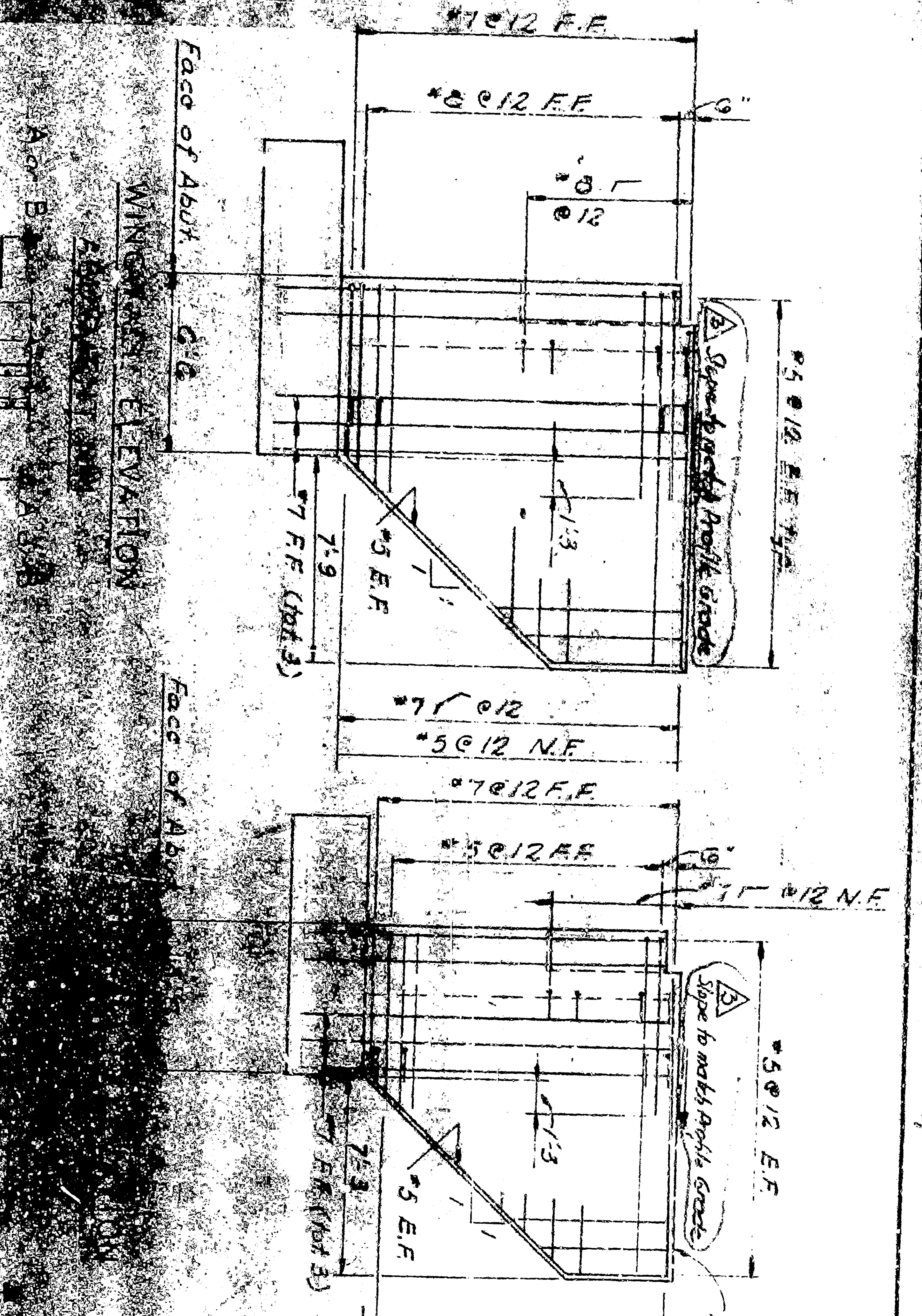


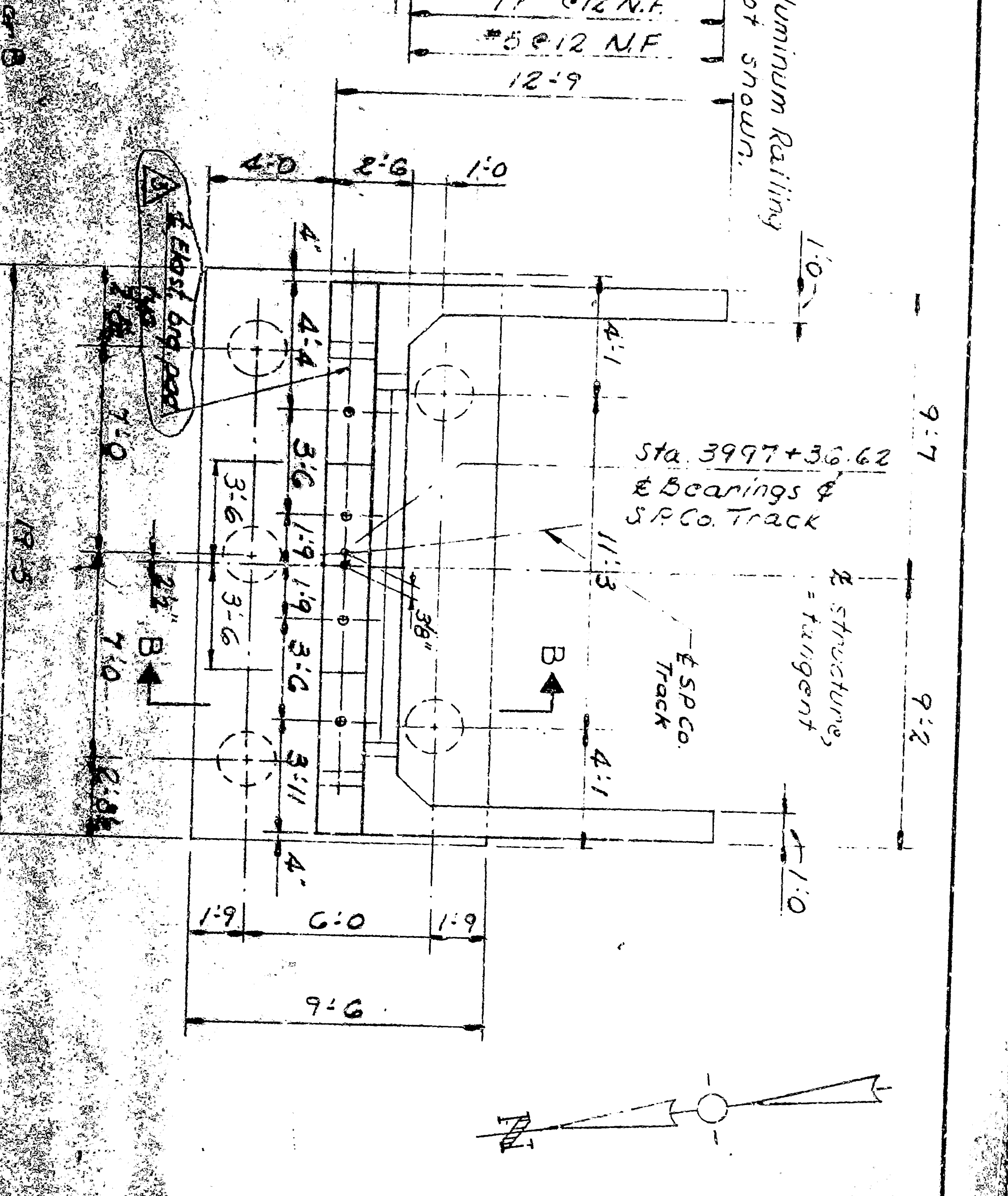
PLAN - ABUTMENT N#1



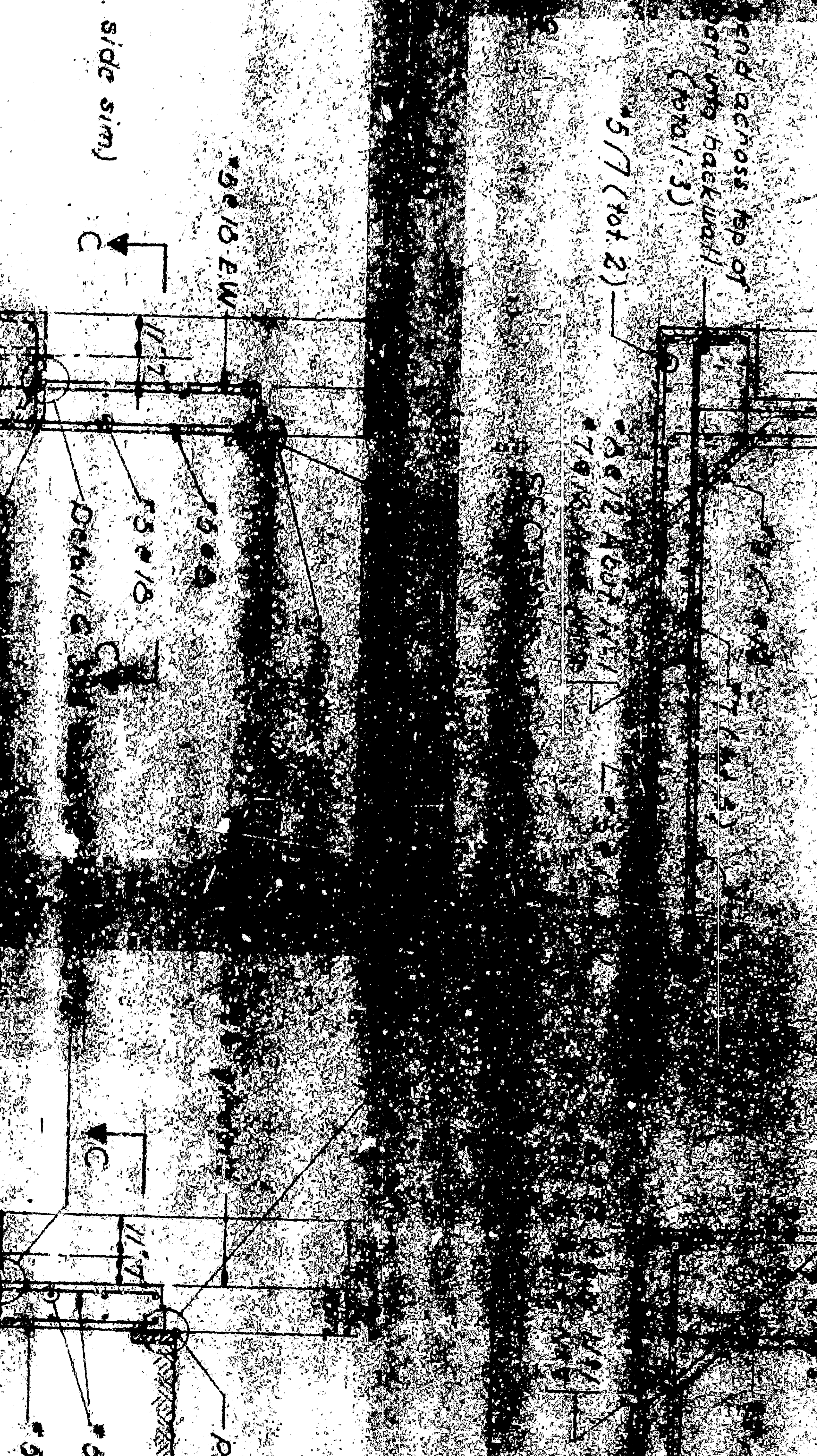
ELEVATION - ABUTMENT N#1



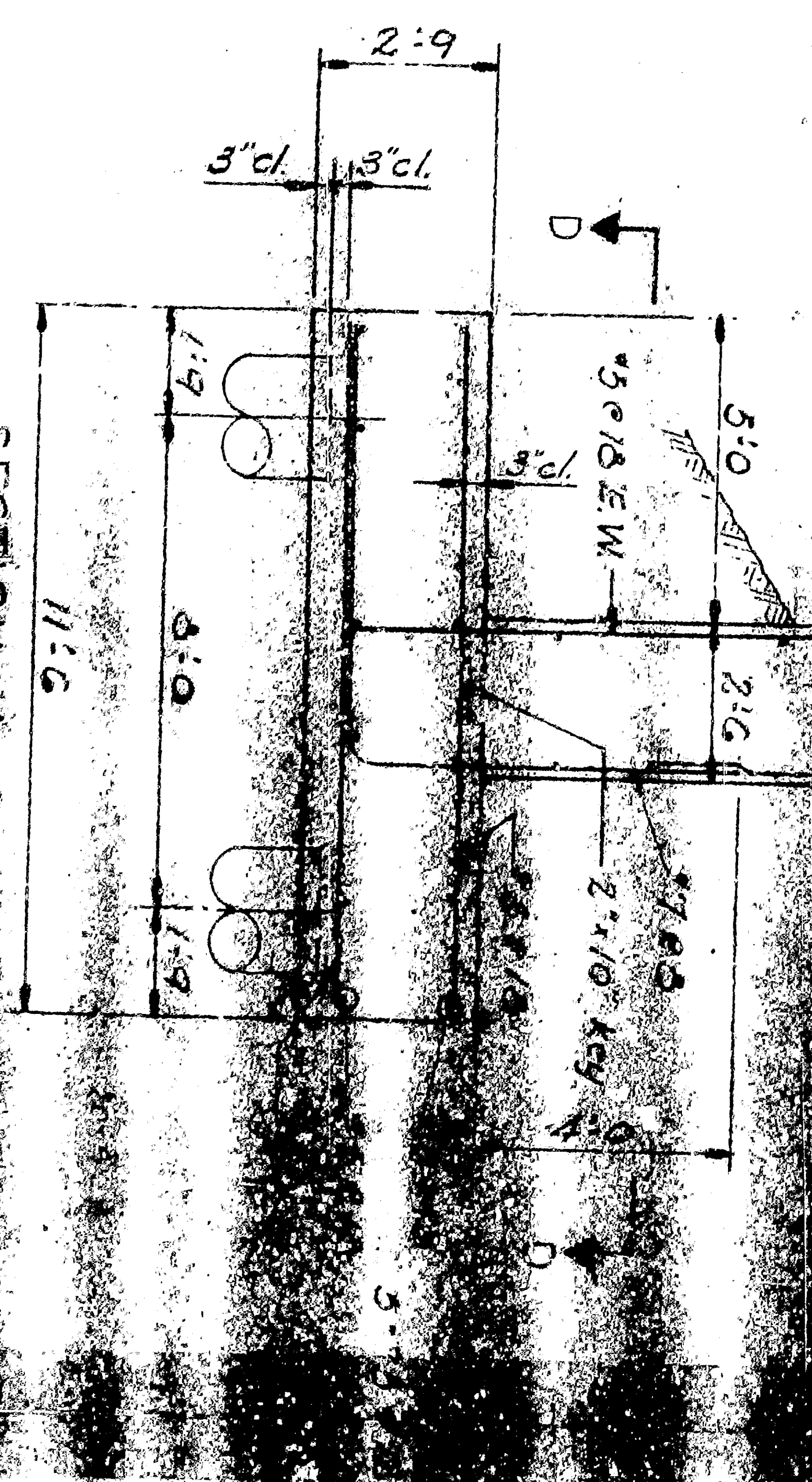
ELEVATION



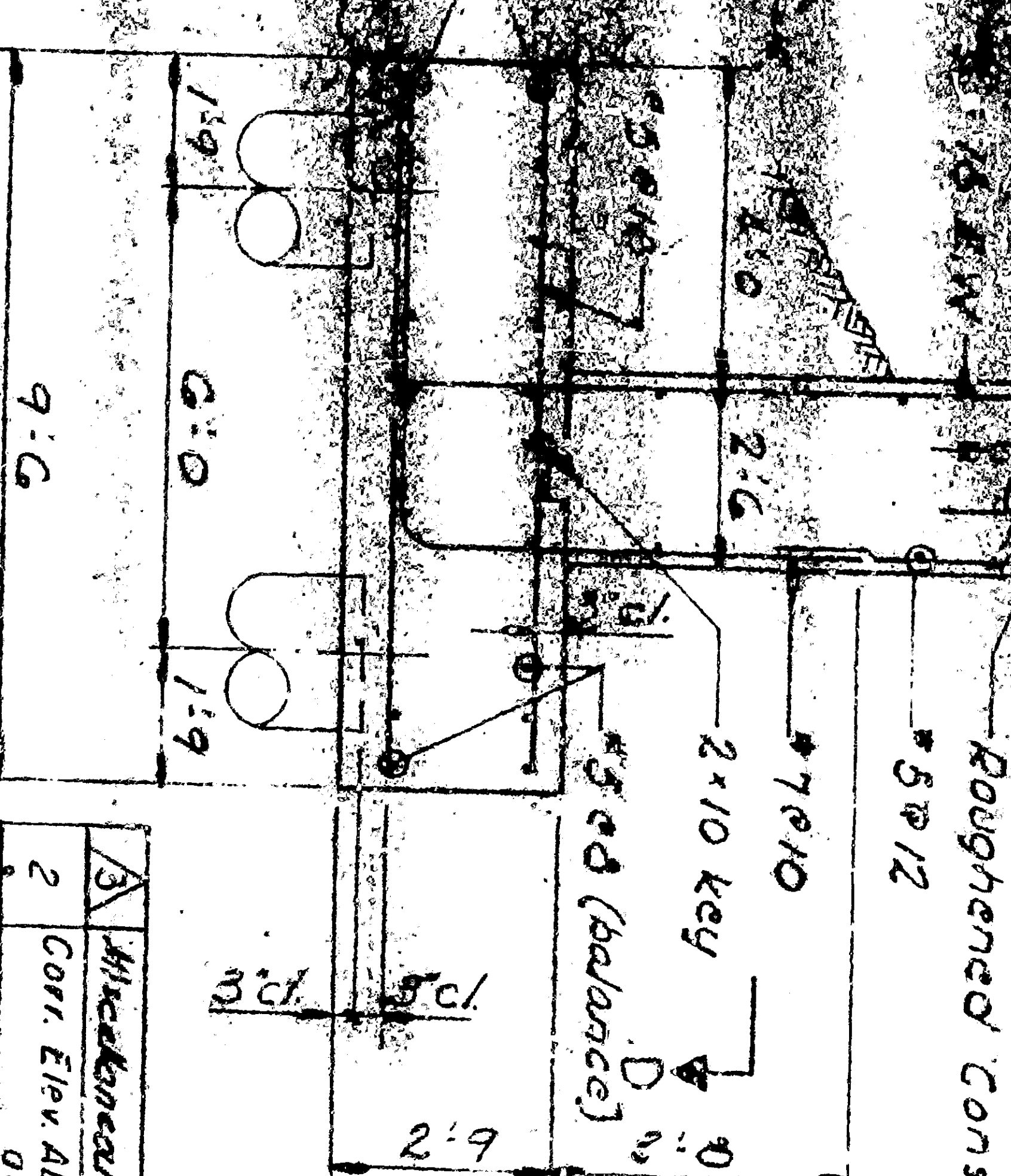
PLAN - ABUTMENT N#7



ELEVATION - ABUTMENT N#7



SECTION A-A



SECTION B-B

- PILE NOTES**
- 24" Cast-in drilled hole piles.
 - Seg. Pile details, sheet AR-3
 - 3/4" dia. capacity 90 tons.
 - Min. pile tip penetration for Abutment N#1 El. 1120.50
 - Estimate 9/8 length 53:0. Abut N#1 4 1/2'

DESIGNED BY: E. V. LINDQUIST
 DRAWN BY: E. V. LINDQUIST
 CHECKED BY: H. A. HART
 APPROVED BY: E. A. LEWIS

AS BUILT

COLTON CUT-OFF

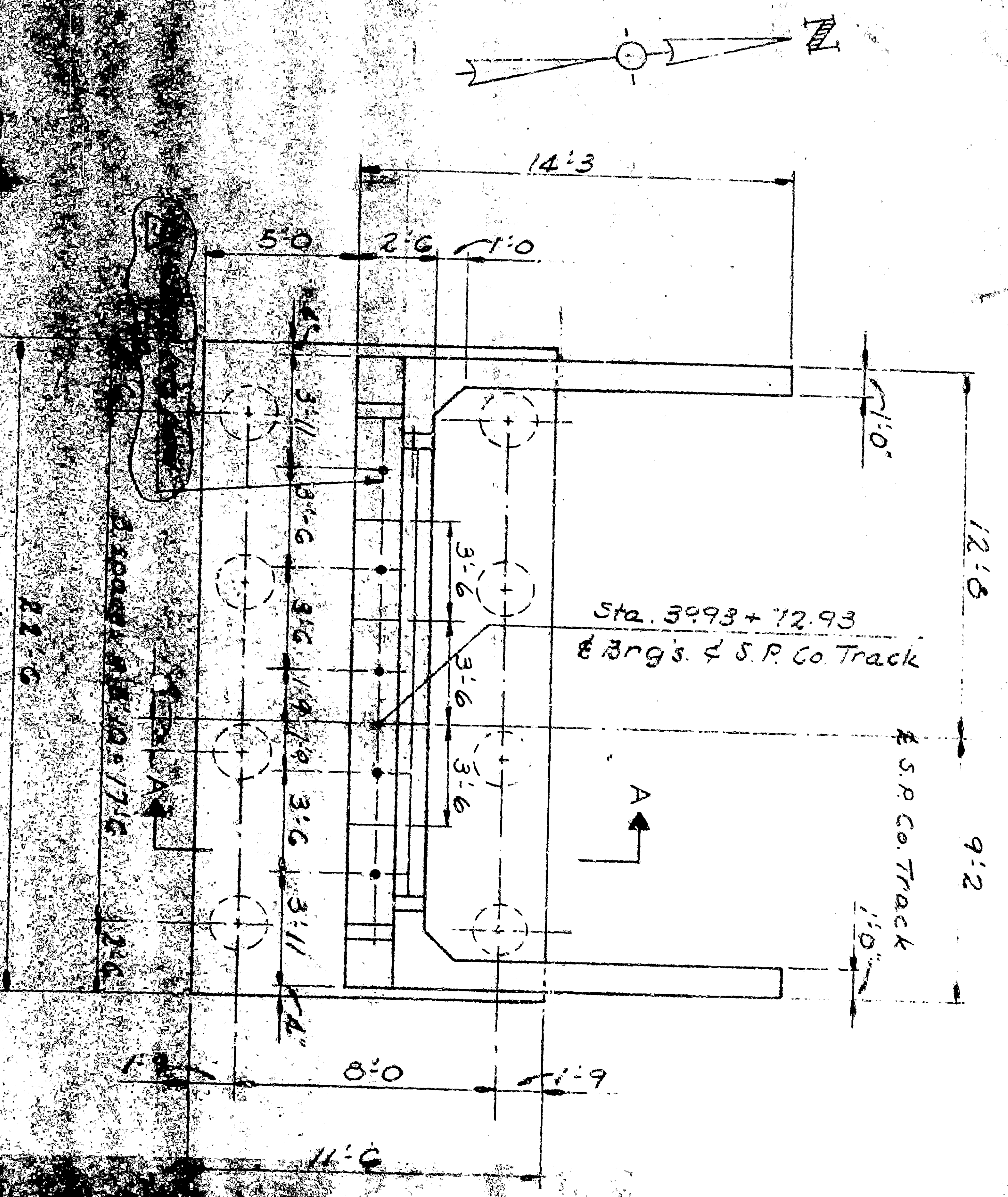
SOUTHERN PACIFIC COMPANY
 CITY OF SAN BERNARDINO
 PACIFIC LINES

ARROW ROUTE-RIALTO AVE. UNDERPASS
 BRIDGE M.P. 490.0

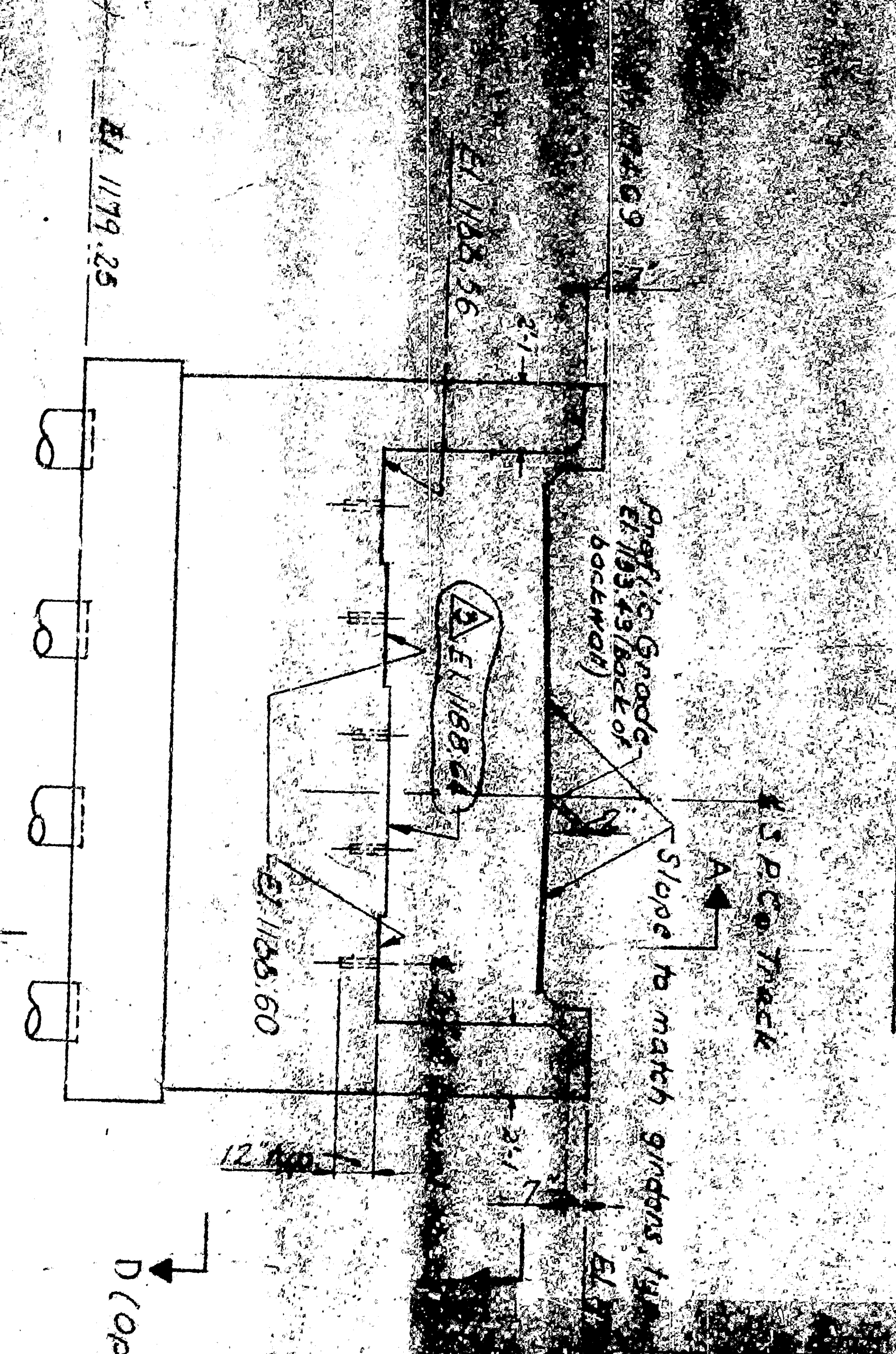
ABUT. N#1 & ABUT. N#7

DE LEUW, CATHERS & COMPANY
 ENGINEERS
 SAN FRANCISCO, CALIFORNIA
 SCALE: 1/4" = 1'-0" AS NOTED
 DATE: Nov. 1965

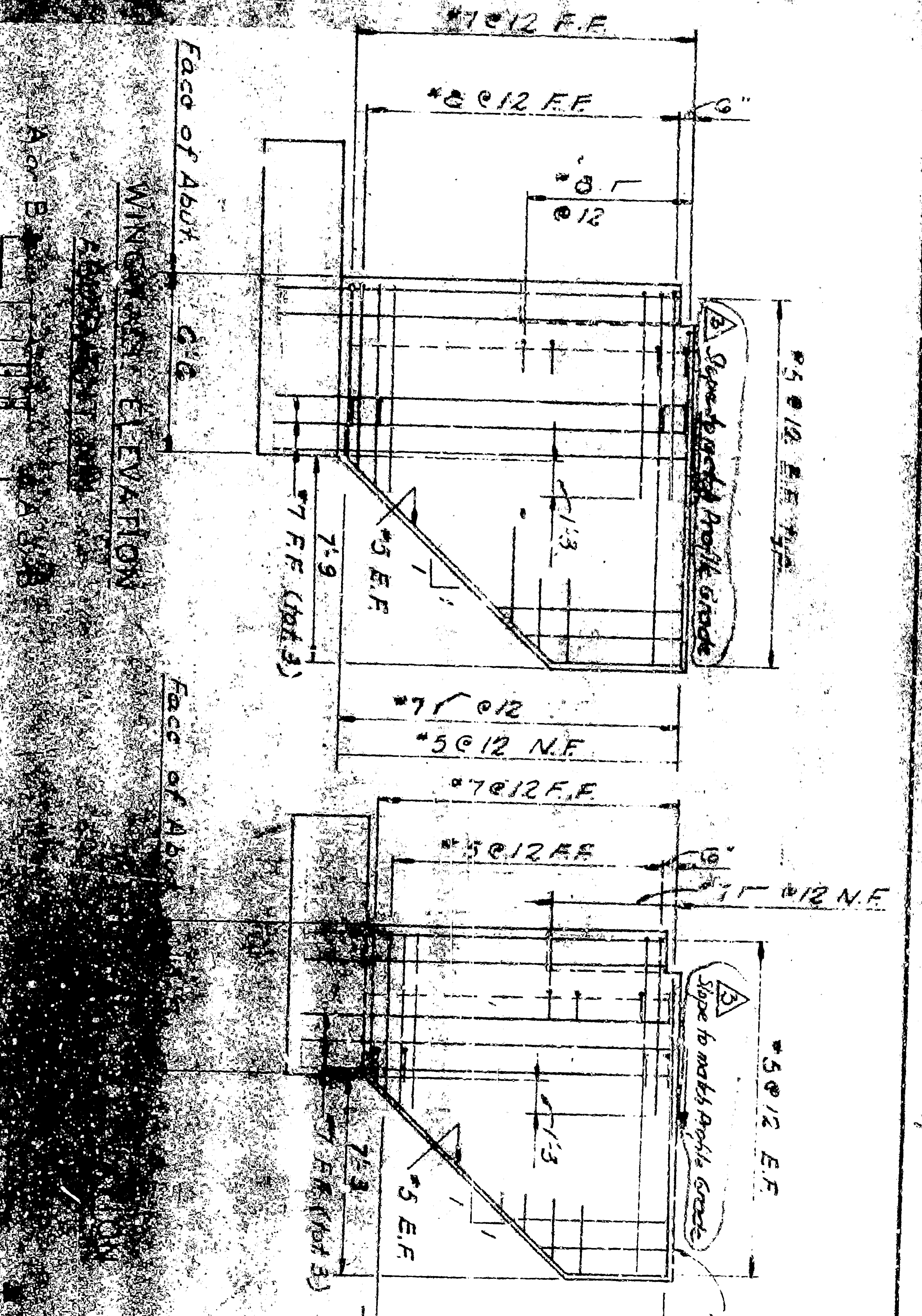
REV.	DESCRIPTION	DATE
1	Aluminum railing not shown.	11/2/65
2	Corr. Elev. about No. 1.	1/29/66
3	Add steel to 7" dia. pile.	1/14/66
4	ADD	1/14/66
5	ADD	1/14/66
6	ADD	1/14/66
7	ADD	1/14/66
8	ADD	1/14/66
9	ADD	1/14/66
10	ADD	1/14/66
11	ADD	1/14/66
12	ADD	1/14/66
13	ADD	1/14/66
14	ADD	1/14/66
15	ADD	1/14/66
16	ADD	1/14/66
17	ADD	1/14/66
18	ADD	1/14/66
19	ADD	1/14/66
20	ADD	1/14/66
21	ADD	1/14/66
22	ADD	1/14/66
23	ADD	1/14/66
24	ADD	1/14/66
25	ADD	1/14/66
26	ADD	1/14/66
27	ADD	1/14/66
28	ADD	1/14/66
29	ADD	1/14/66
30	ADD	1/14/66



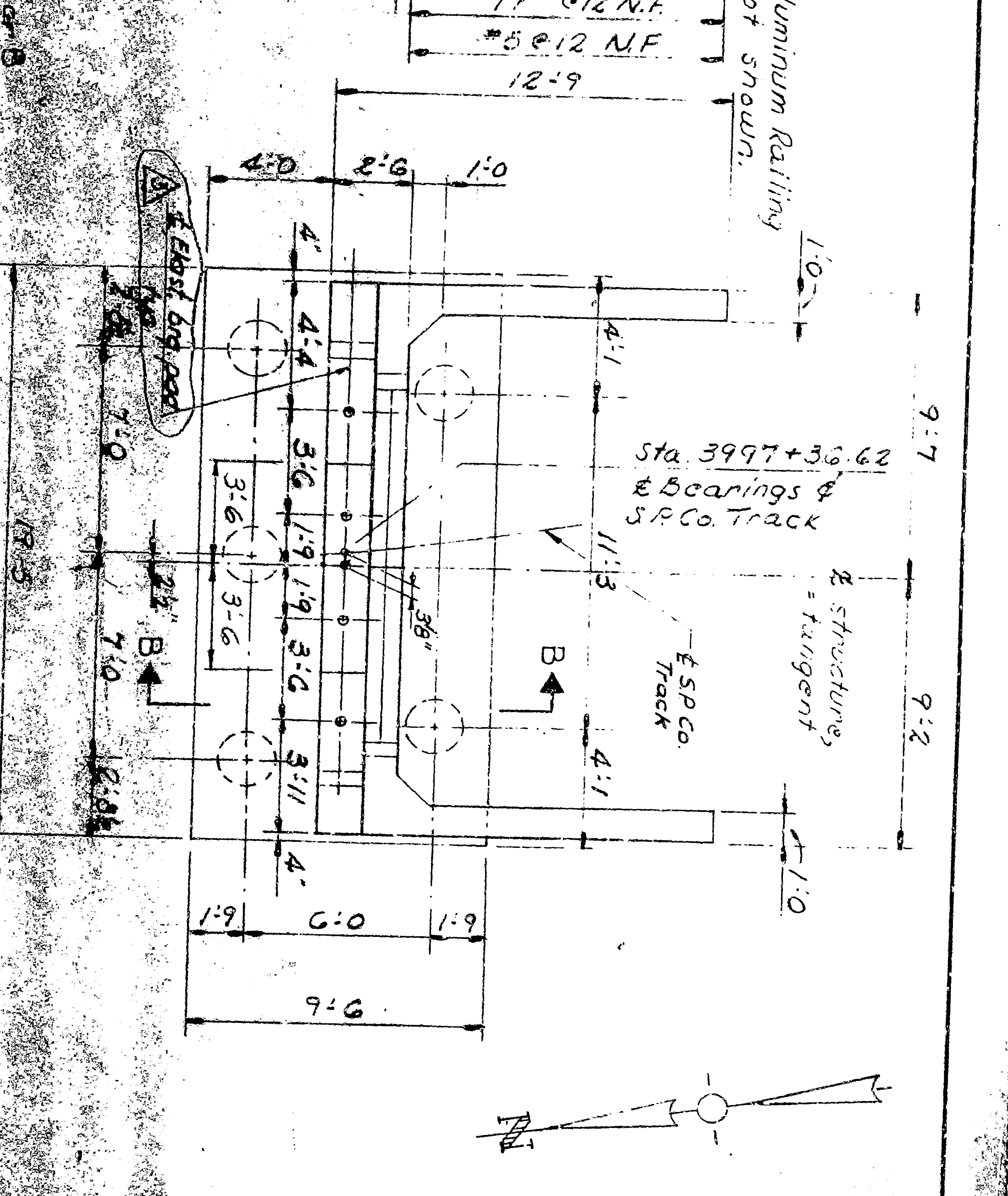
PLAN - ABUTMENT N#1



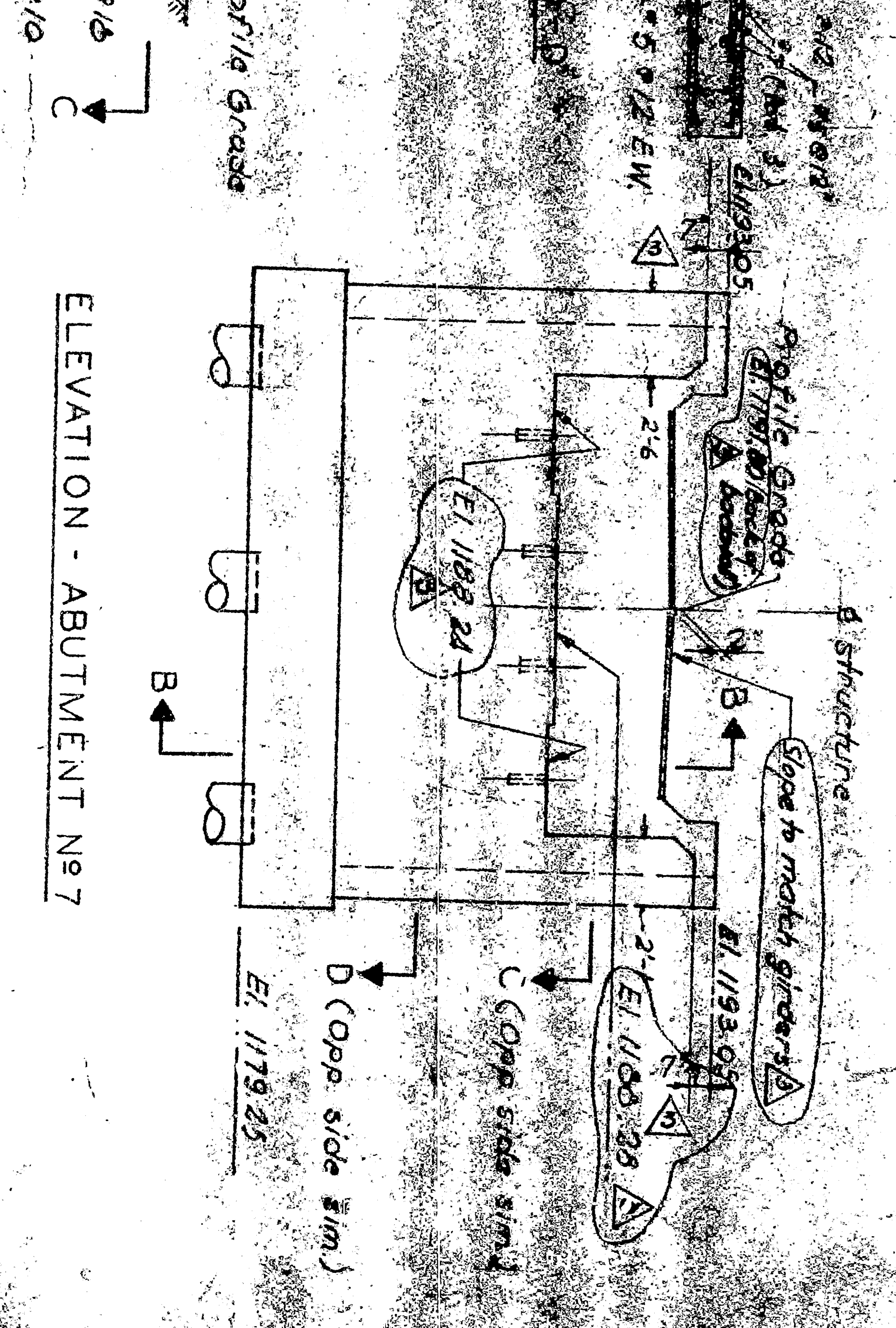
ELEVATION - ABUTMENT N#1



ELEVATION



PLAN - ABUTMENT N#7



ELEVATION - ABUTMENT N#7

PILE NOTES

- 24" Cast-in drilled hole piles.
- Seg. pile details, sheet A8-3.
- 3/4" dia. capacity 90 tons.
- Min. pile tip penetration for Abutment N#1 El. 1126.50
- Estimate 9/6 length 53:0. Abut N#1 4 1/2'.

DESIGNED BY: E. V. LINDQUIST
 DRAWN BY: E. V. LINDQUIST
 CHECKED BY: H. A. HART
 APPROVED BY: E. A. LEWIS

AS BUILT

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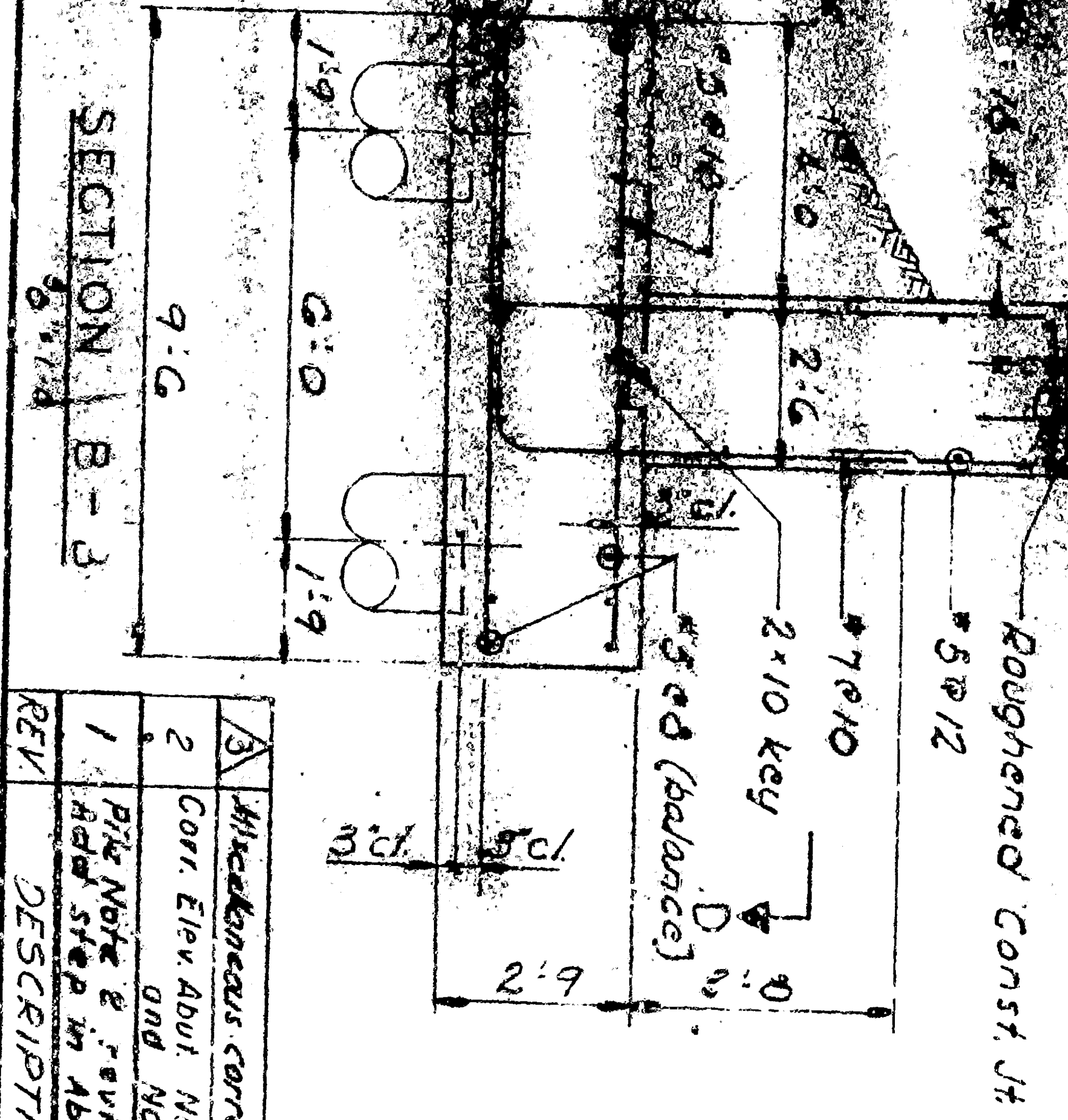
CITY OF SAN BERNARDINO

ARROW ROUTE-RIALTO AVE. UNDERPASS

ABUT. N#1 & ABUT. N#7

DE LEUW, CATHER & COMPANY
 ENGINEERS
 SAN FRANCISCO, CALIFORNIA
 SCALE: 1/4" = 1'-0" AS NOTED
 DATE: Nov. 1965

REV	DESCRIPTION	DATE
1	Aluminum railing not shown.	11/2/65
2	Aluminum railing not shown.	11/2/65
3	Aluminum railing not shown.	11/2/65
4	Aluminum railing not shown.	11/2/65
5	Aluminum railing not shown.	11/2/65
6	Aluminum railing not shown.	11/2/65
7	Aluminum railing not shown.	11/2/65
8	Aluminum railing not shown.	11/2/65
9	Aluminum railing not shown.	11/2/65
10	Aluminum railing not shown.	11/2/65



SECTION A-A

SECTION B-B