

ORIGINAL PLAN	SURVEY PLOTTED BY.....	DATE.....
	DRAWN BY.....	
NOTE BOOK	TRACED BY.....	
	DESIGNED BY.....	
No.	QUANTITIES BY.....	
	CHECKED BY.....	

I. Alignment Data:

- B. Except for Cul-de-Sacs and certain local streets, pavement grades are not shown on the plans. The following group of plan sheets however have sufficient data to determine grades as required:

- ## II. Boring Data:

- ### III. Drainage Data:

- M = Corrugated Galvanized Metal Pipe
C = Reinforced Concrete Culvert Pipe
B4x4 = Type "B" 4'x4' Standard Box Culvert
Numbers = Internal diameter of the culvert.

Examples:

$C_{24} = 24" \text{ RCCP only}$
 $M_{30} = 30" \text{ CGMP only}$
 $\frac{M_{42}}{C_{36}} = 42" \text{ CGMP or } 36" \text{ RCCP}$
 $CM_{24} = 24" \text{ RCCP or } 24" \text{ CGMP}$

- #### IV. P.C.C. Pavement Details

- C. Location of cut-off RCC. Pavement at transitions to asphalt concrete ramp lanes are shown on Plan Sheet Nos. 21, 27 and 28.

V. Curbs and Gutters:

- ## VI. Guard Rails:

- C. Wood guard rails are located on the 20' scale Miscellaneous Detail Sheets and Detail Plan of Roadway. Details for wood guard rail with Pre-cast concrete posts are shown on Plan Sheet No. 36 including a tabulated location list.

VII. Excavation and Embankment:

- C. Quantities for embankment shown on the Cross Section Sheets have been corrected for shrinkage by a factor of 30%. Correction for swell of the excavated rock material has not been applied either on the Excavation or Embankment quantities. A swell factor of 20% would be the approximate value to apply to the material coming out of any rock excavation.

VIII. Sodding for Cul-de-Sacs:

- A. Within the Limit of Work in each Cul-de-Sac, the area between the curb and Right-of-Way, shall be filled with 6" of top soil and sodded with Bermuda Grass (Cynodon Dactylon).

IX. Temporary Construction Easements:

- A. Temporary Construction Easements from abutting property owners have been obtained by the State for the construction of Retaining Wall No's. 2-OB, 3-OB, 3-IB, 5-A, 5-B, 6-A, 6-B, 11-OB, and 11A on the condition that the Contractor shall reasonably restore all existing facilities and improvements to their original condition. The Temporary Construction Easements are approximately ten feet in width along the length of the wall.

The Contractor shall obtain permission from the Engineer prior to entering any adjacent or abutting property beyond the highway Right-of-Way. Cost of any restoration work involved in the easement area shall be considered as incidental to the various contract items involved.

PRINTED ON CLEARPRINT 1000-H

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(4)	1963	8A	217

Revised: June 7, 1963

B.M. *K-6 EL. 32.61
C & C MONUMENT
1st & HARDING
(Top of Brass Pin)

B.M. *K-9 EL. 54.00
C & C MONUMENT
2nd & HARDING
(Top of Brass Pin)

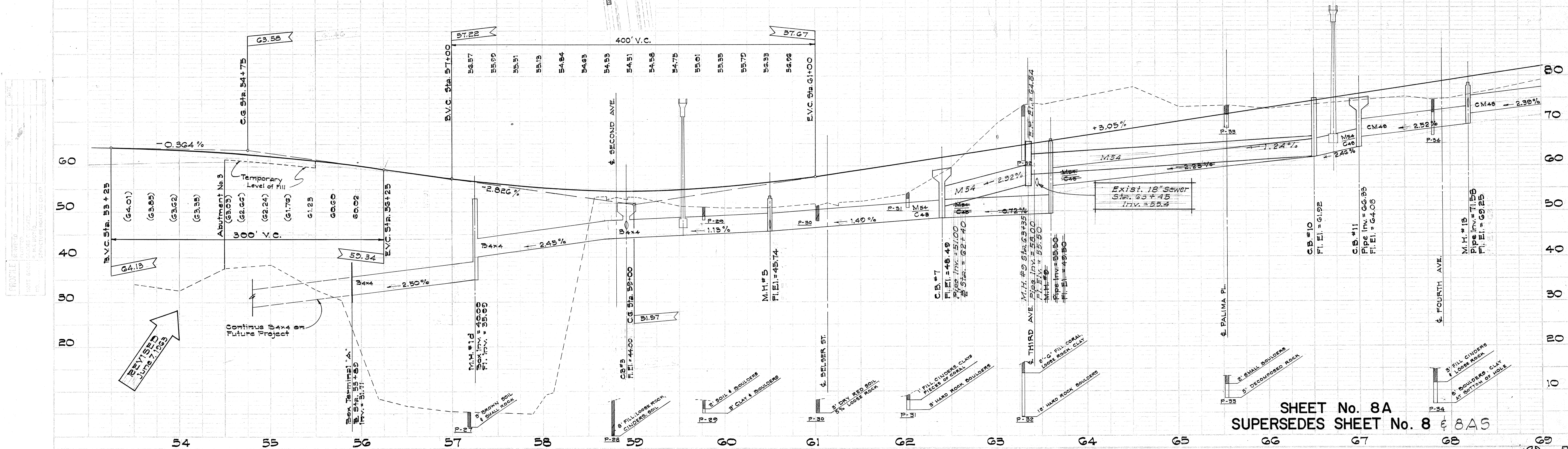
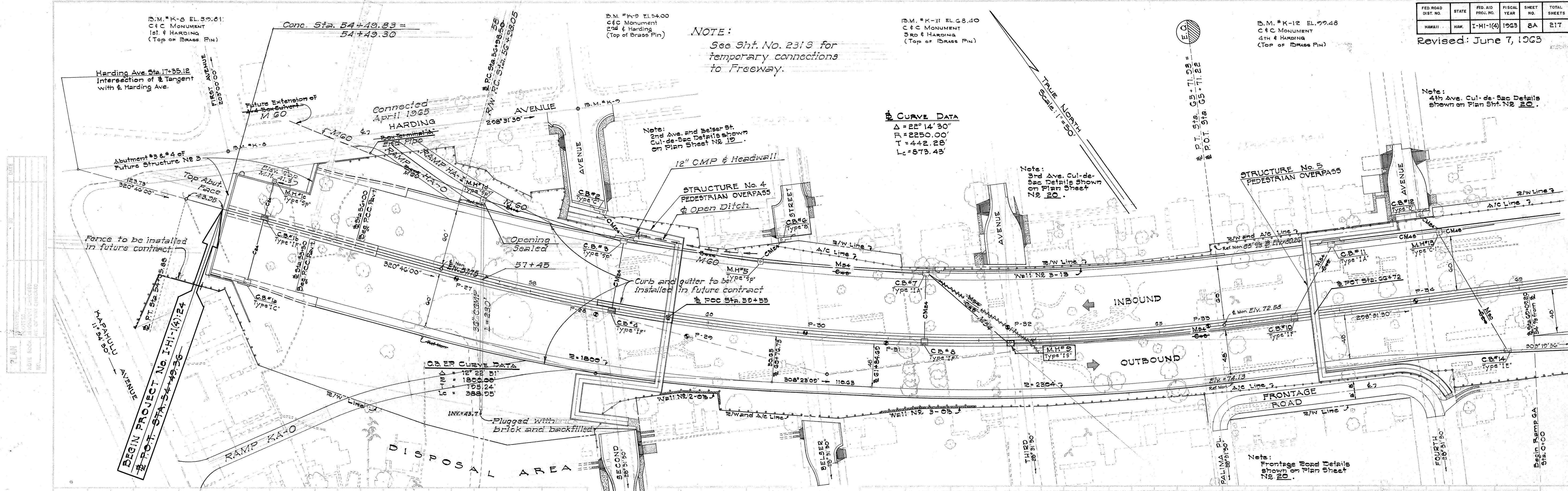
B.M. *K-11 EL. 68.40
C & C MONUMENT
3rd & HARDING
(Top of Brass Pin)

B.M. *K-12 EL. 79.48
C & C MONUMENT
4th & HARDING
(Top of Brass Pin)

NOTE:
See Sht. No. 2313 for
temporary connections
to Freeway.

CURVE DATA
 $\Delta = 22^\circ 14' 30''$
 $R = 2250.00'$
 $T = 442.28'$
 $L = 573.43'$

Note:
4th Ave. Cul-de-Sac Details
shown on Plan Sht. No. 20.

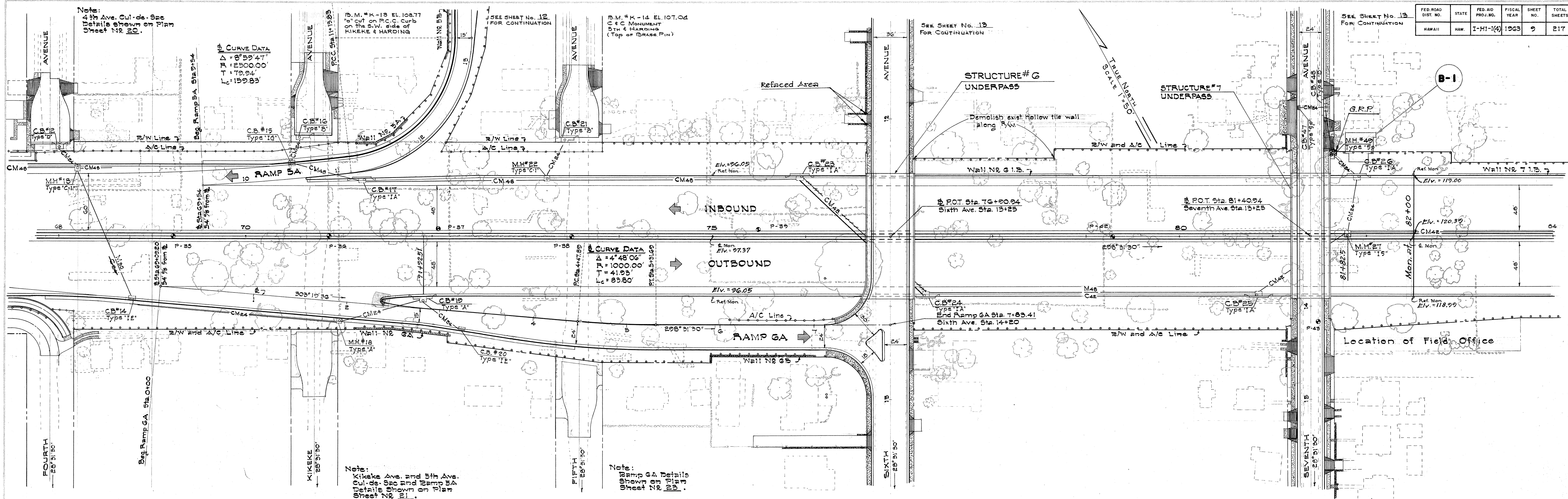


SHEET No. 8A
SUPERSEDES SHEET No. 8 & 8A5

DO-C-6

PLAN	DATE	BY
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(4)	1963	9	217

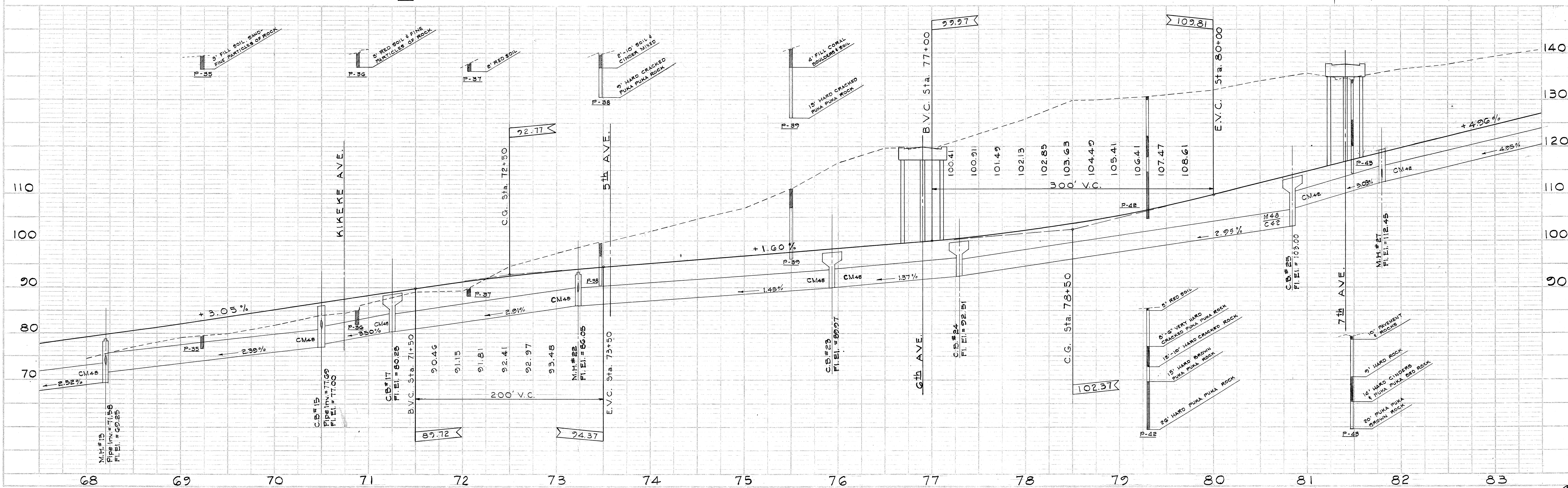


PLATE 1 - PLAN & PROFILE A 1:2.5 A.S. SHOWN

NOTES: 1. SEE SHEET NO. 12 FOR CONTINUATION

2. SEE SHEET NO. 13 FOR CONTINUATION

3. SEE SHEET NO. 14 FOR CONTINUATION

4. SEE SHEET NO. 15 FOR CONTINUATION

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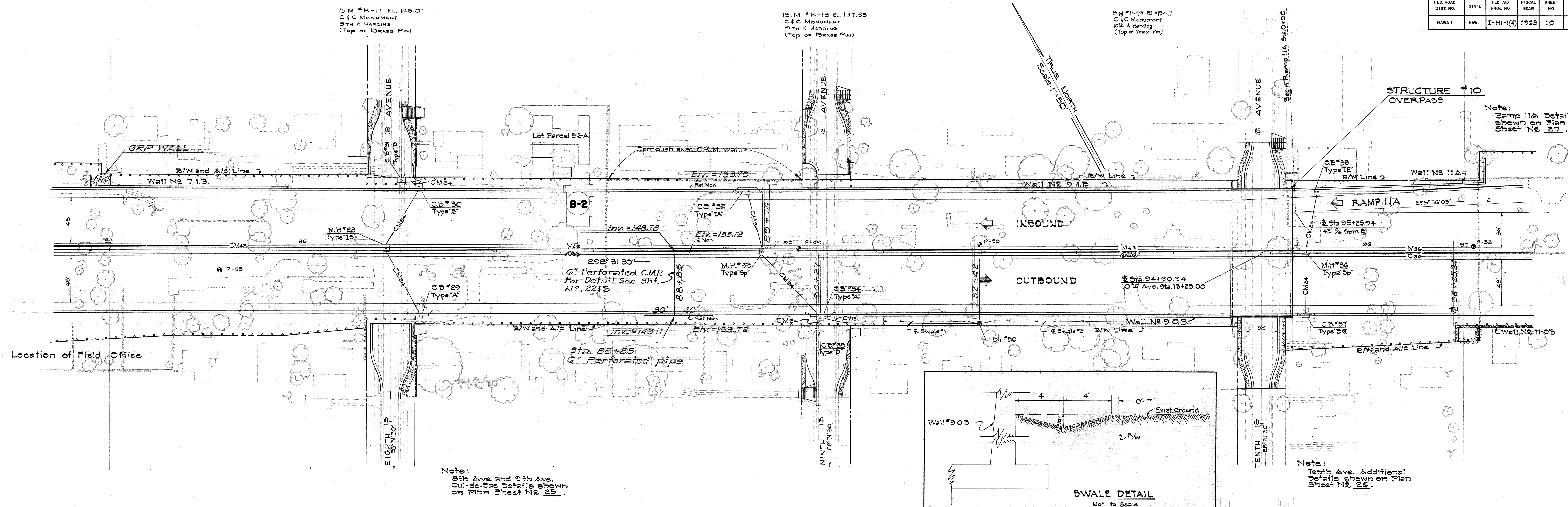
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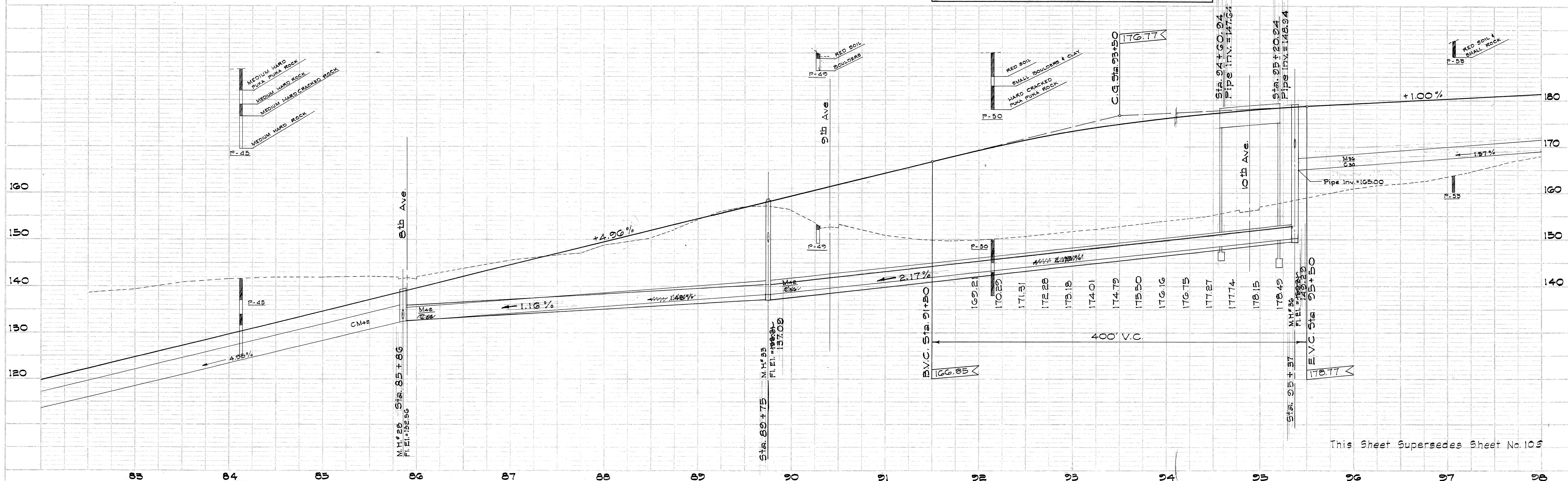
197. SEE SHEET NO. 20

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(4)	1963	10	217



Note:
8th Ave. and 9th Ave.
Cul-de-sac Details shown
on Plan Sheet No. 25.

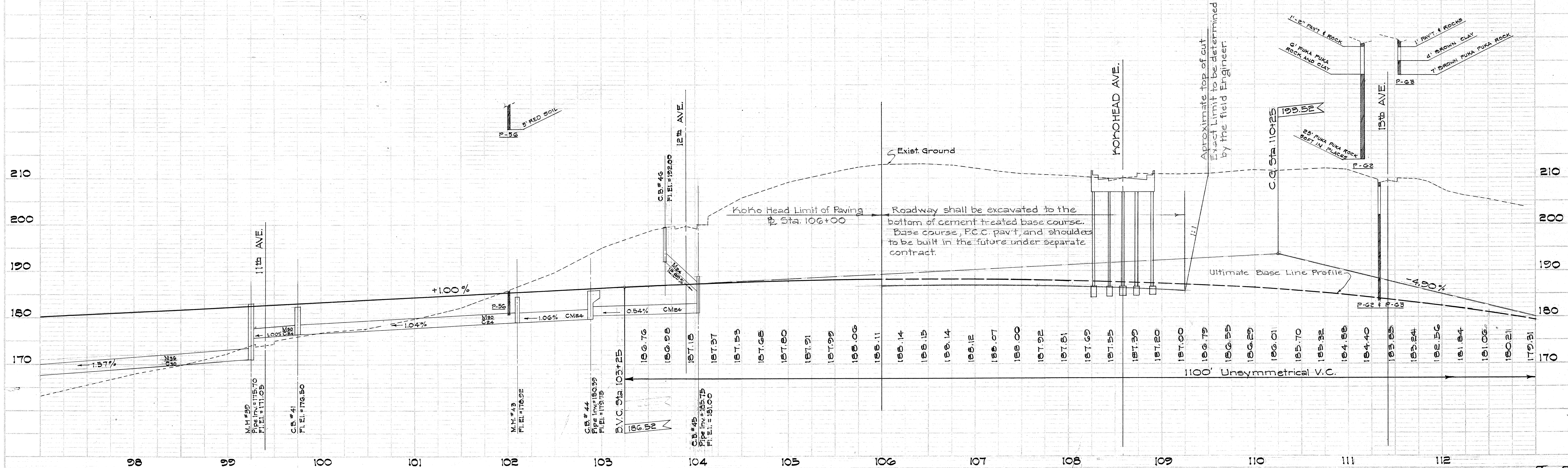
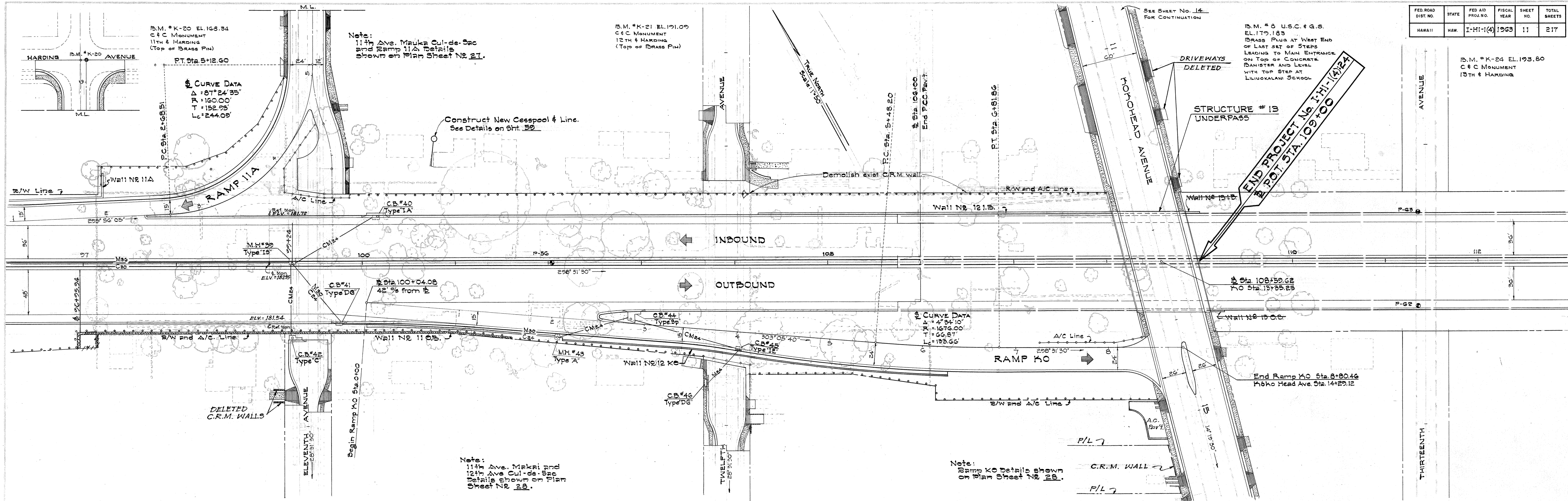
Note:
Tenth Ave. Additional
Details shown on Plan
Sheet No. 26.



This Sheet Supersedes Sheet No. 105

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 NO. OF SHEETS

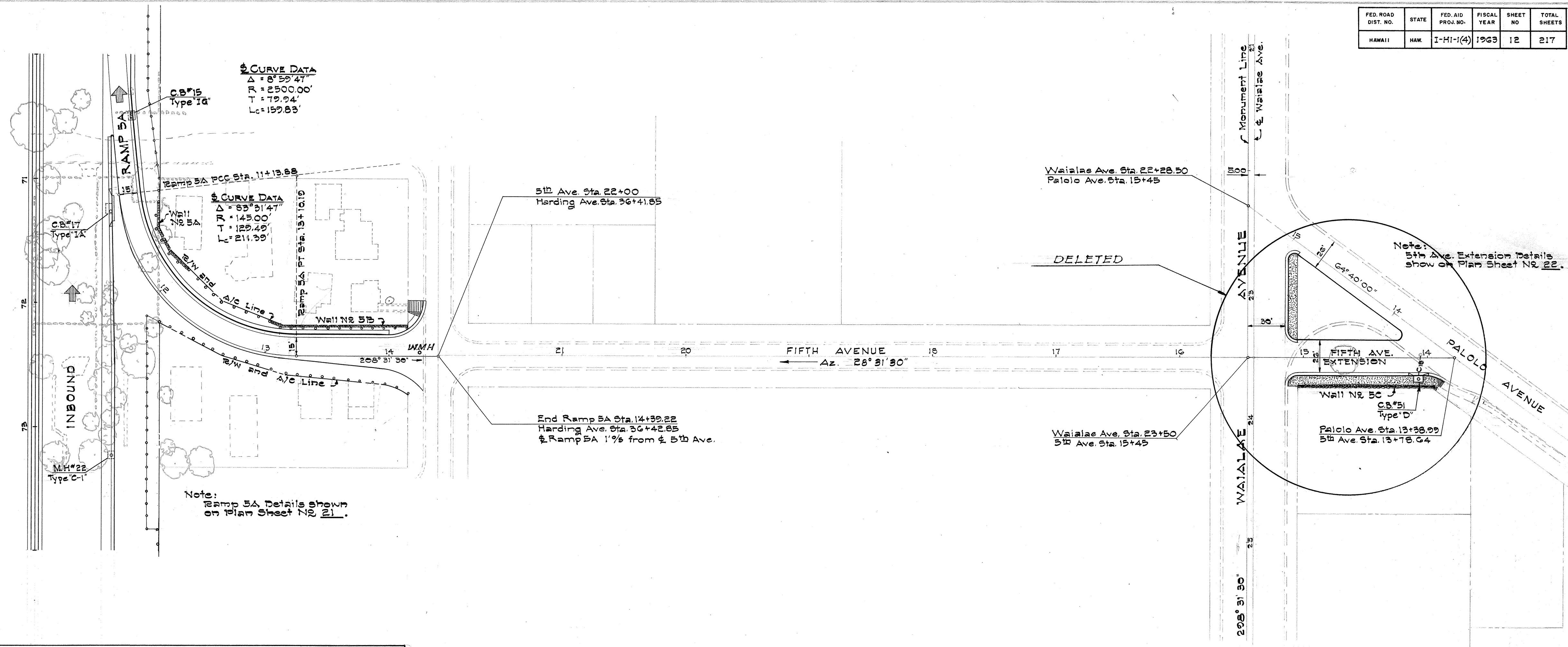
PROFILE
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(4)	1963	12	217

TRUE NORTH
Scale: 1"=50'

PLAN	DESIGNED	DATE
NO.	BY	
NOTE: BOOK ALIGNED CHECKED.		
NOTE: RT OF WAY CHECKED.		



PROFILE	SURVEYED	DATE
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NOTE: BOOK GRADES CHECKED.		
NOTE: STRUCTURE NOTED AS CHANGED.		

RAMP SUPERELEVATION TRANSITION
-1.5 %
-1.5 %
-1.61 %
-2.05 %
-2.82 %
-3.55 %
-5.20 %
-6.65 %
-7.66 %
-8.0 %
-7.99 %
-7.52 %
-6.40 %
-5.07 %
-3.75 %
-2.40 %
-1.08 %
-0.21 %
+0.02 %
+0.70 %
+0.74 %

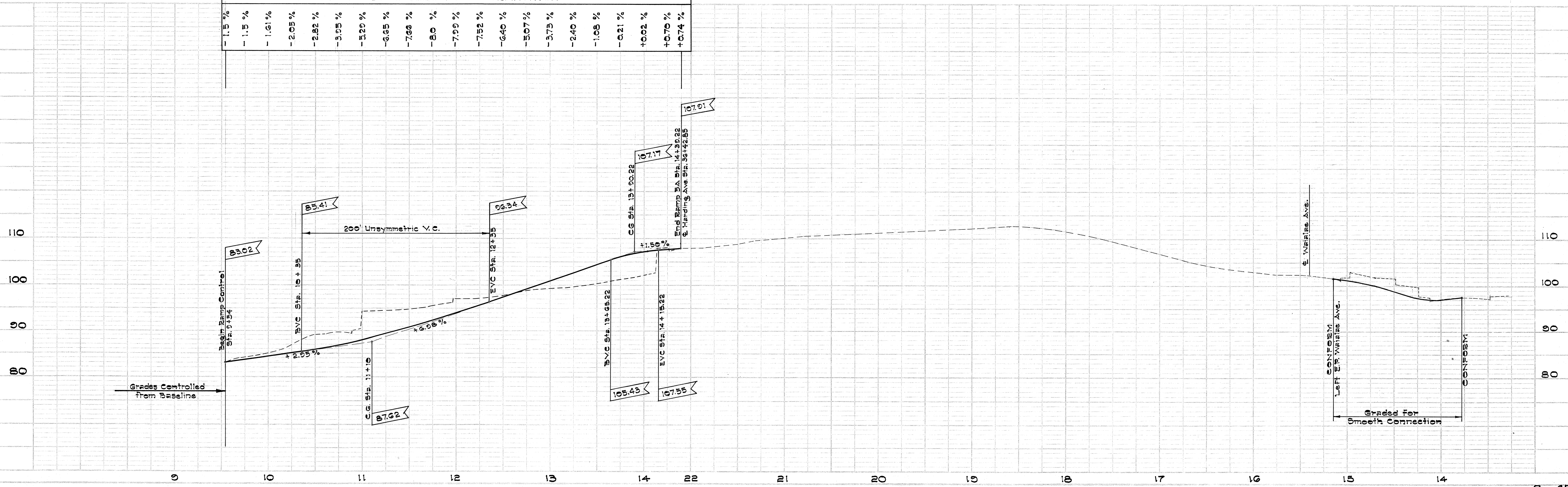
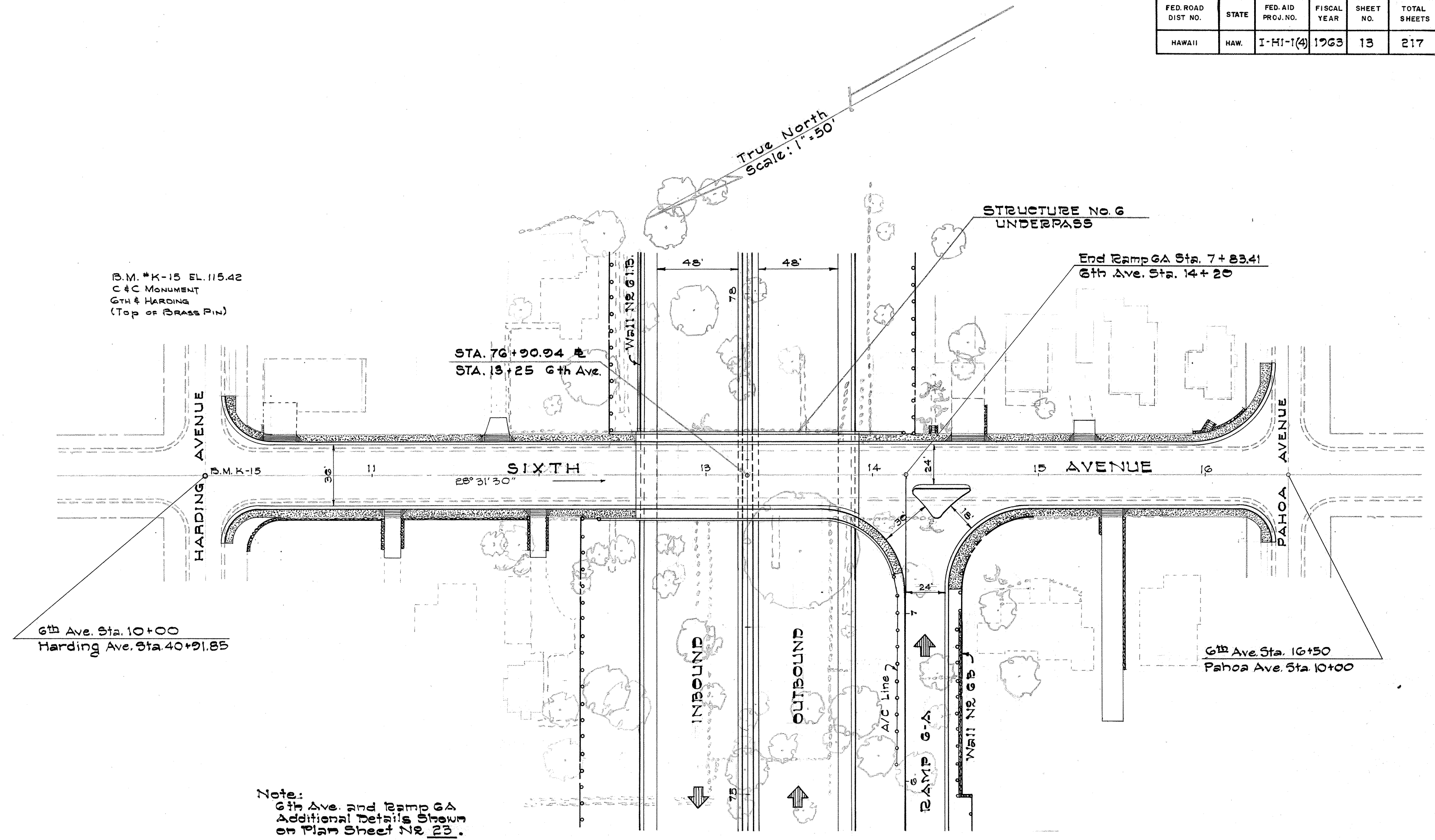
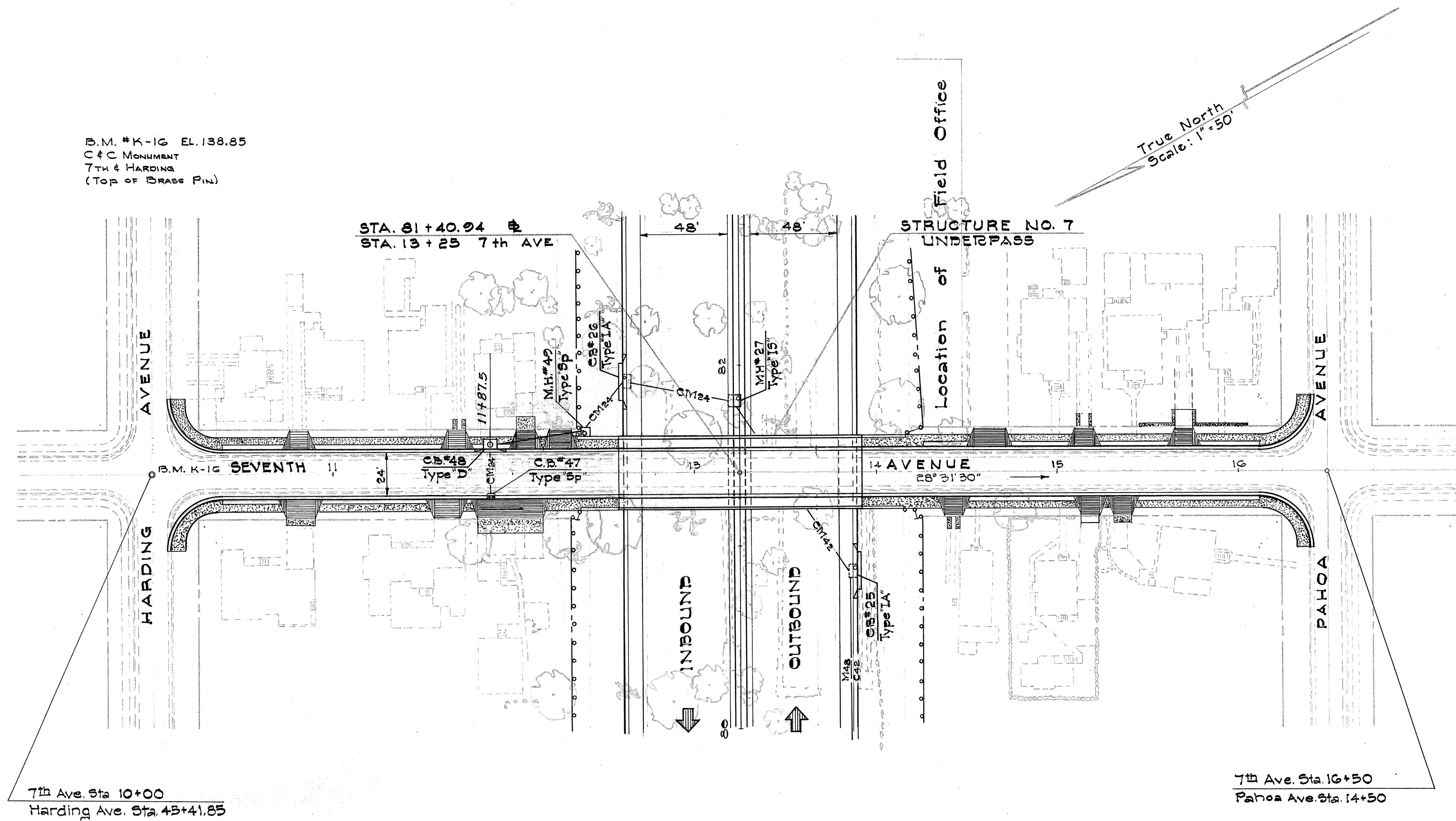


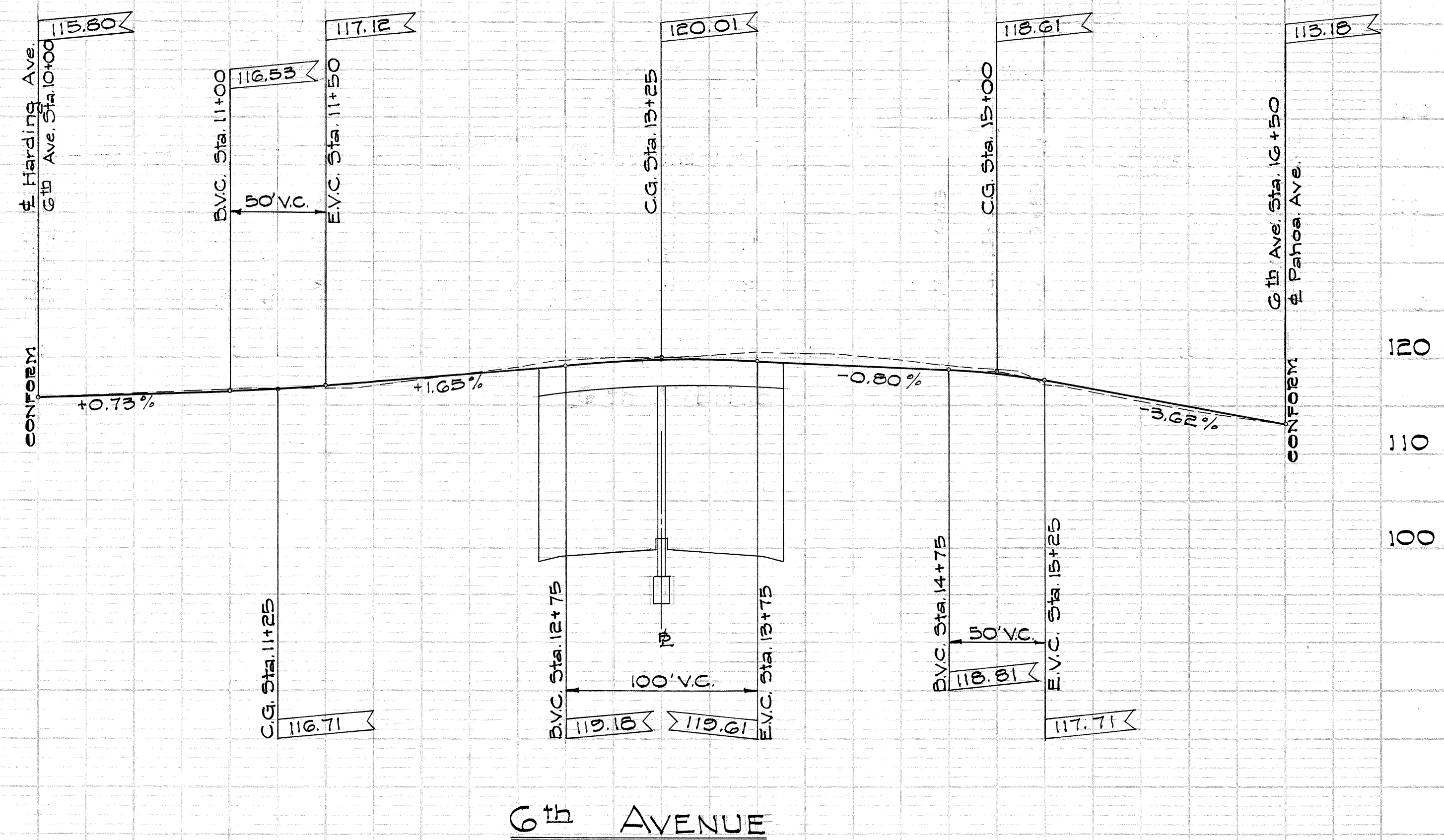
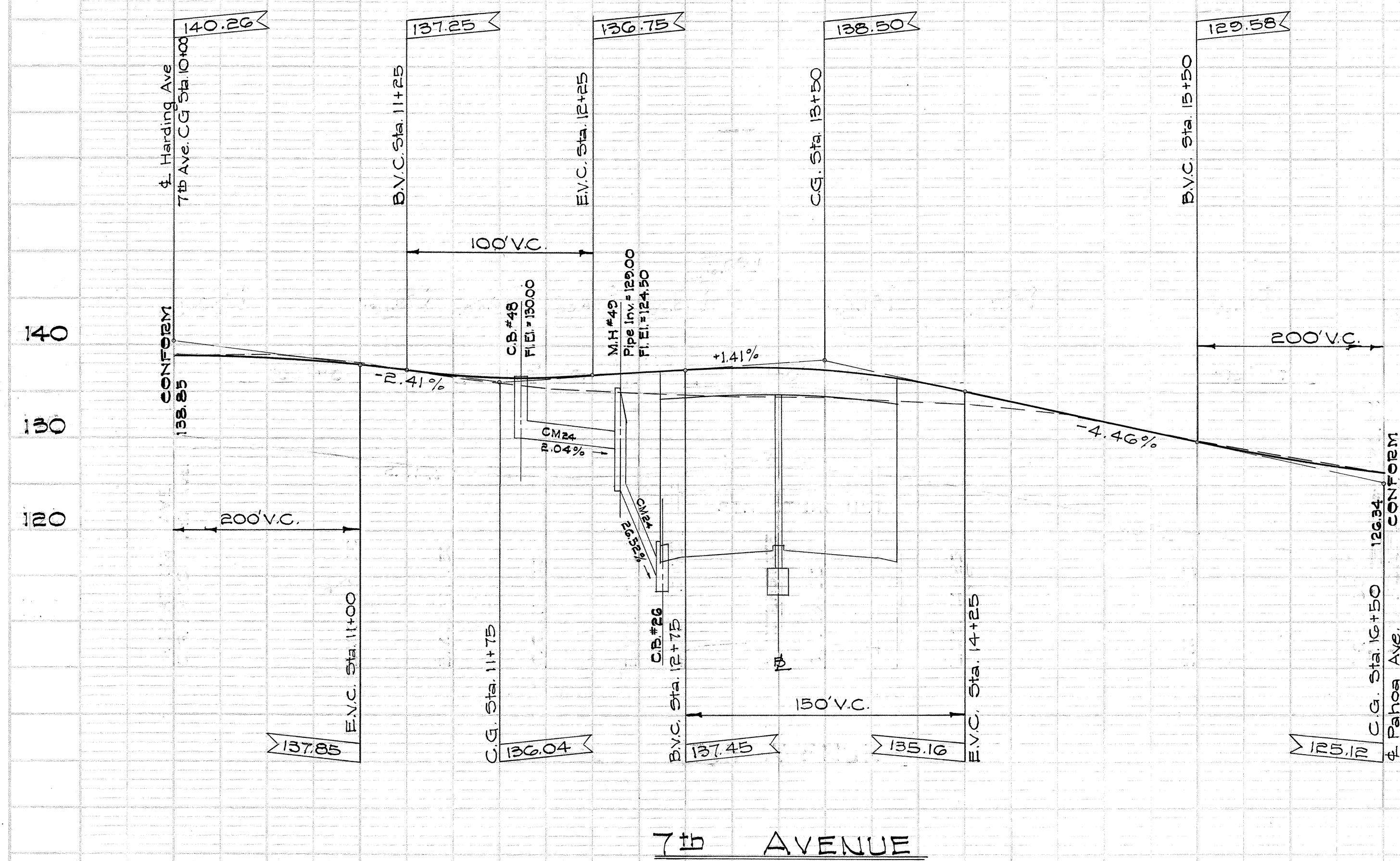
PLATE 1-PLAN/PROFILE OF P. 1 & 2 TRANSITION
 SCHUPP & SON, INC., NEW YORK
 A. S. P. Co. No. 245-10

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-140	1963	13	217

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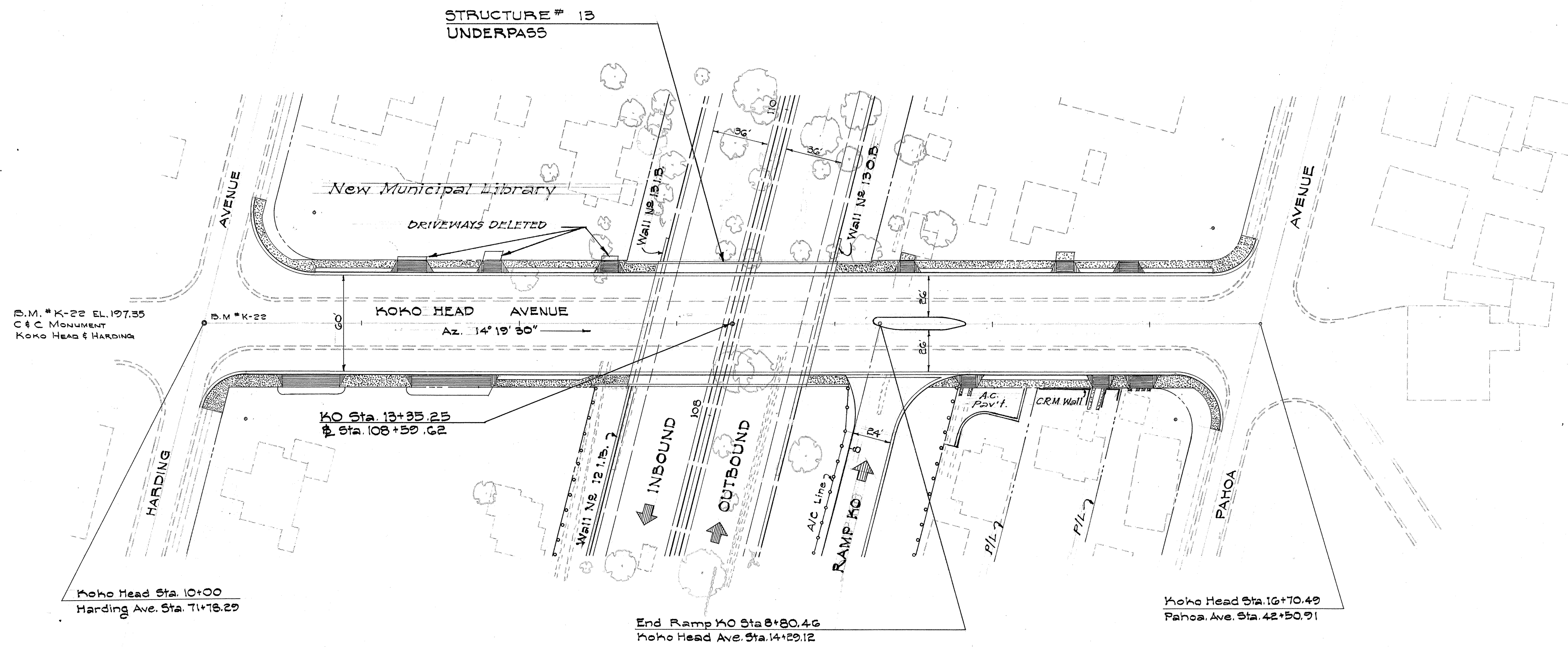
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(4)	1963	14	217

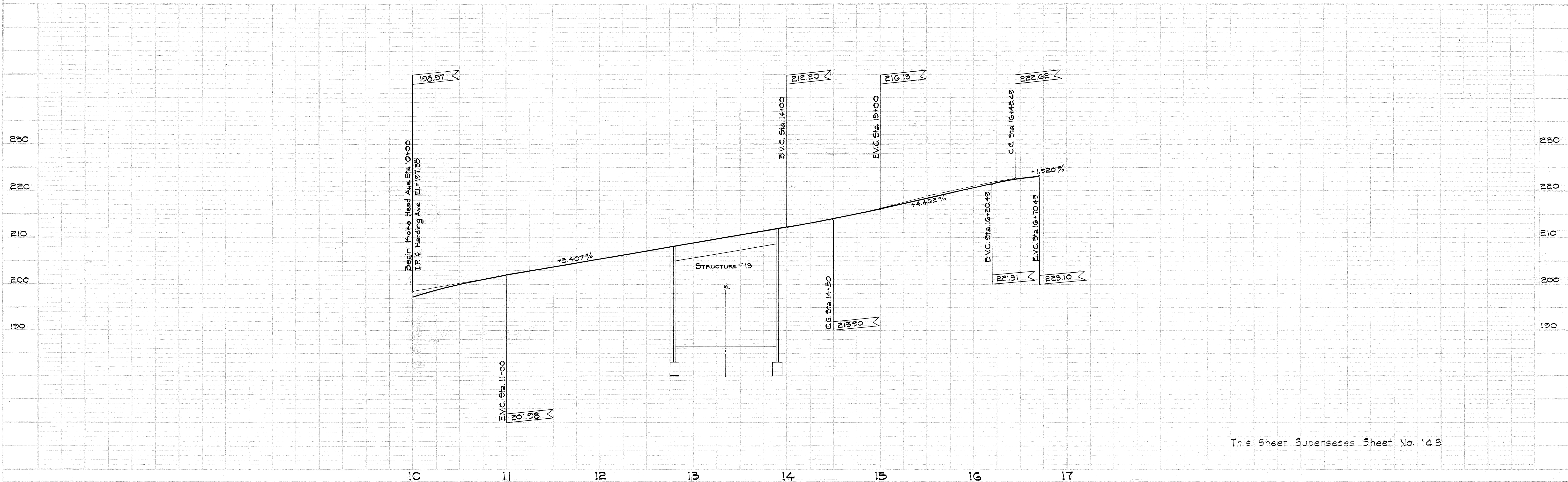
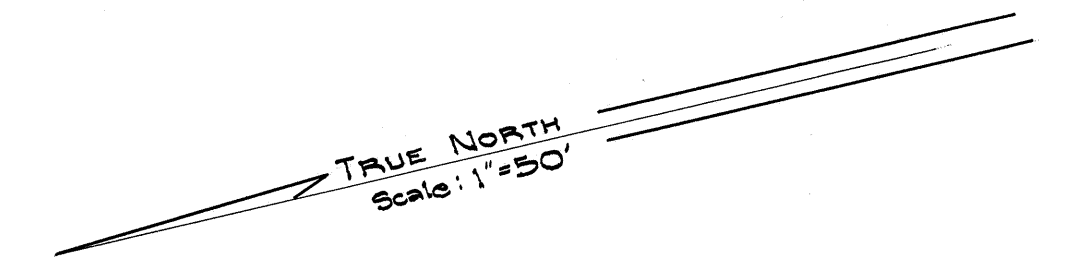
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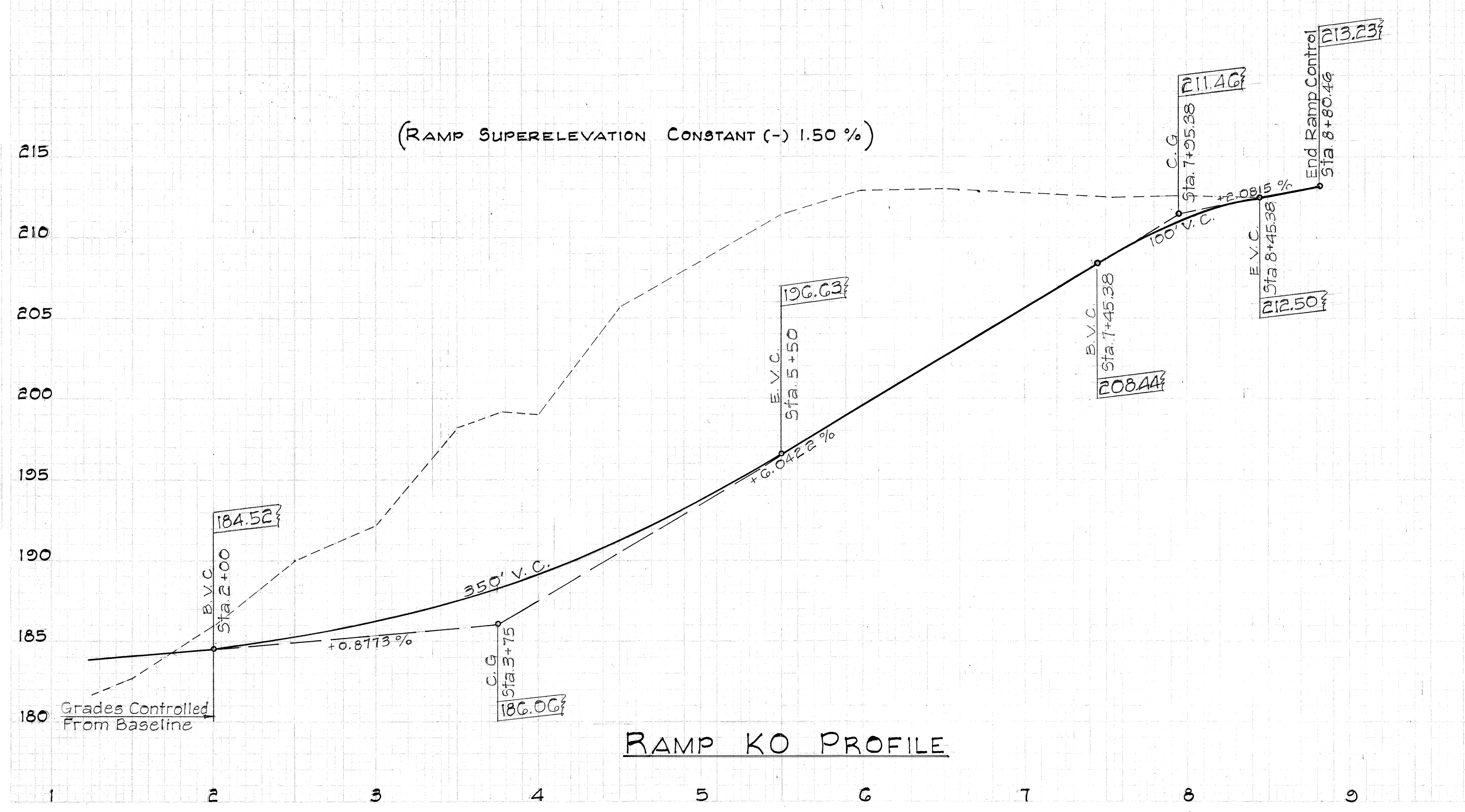
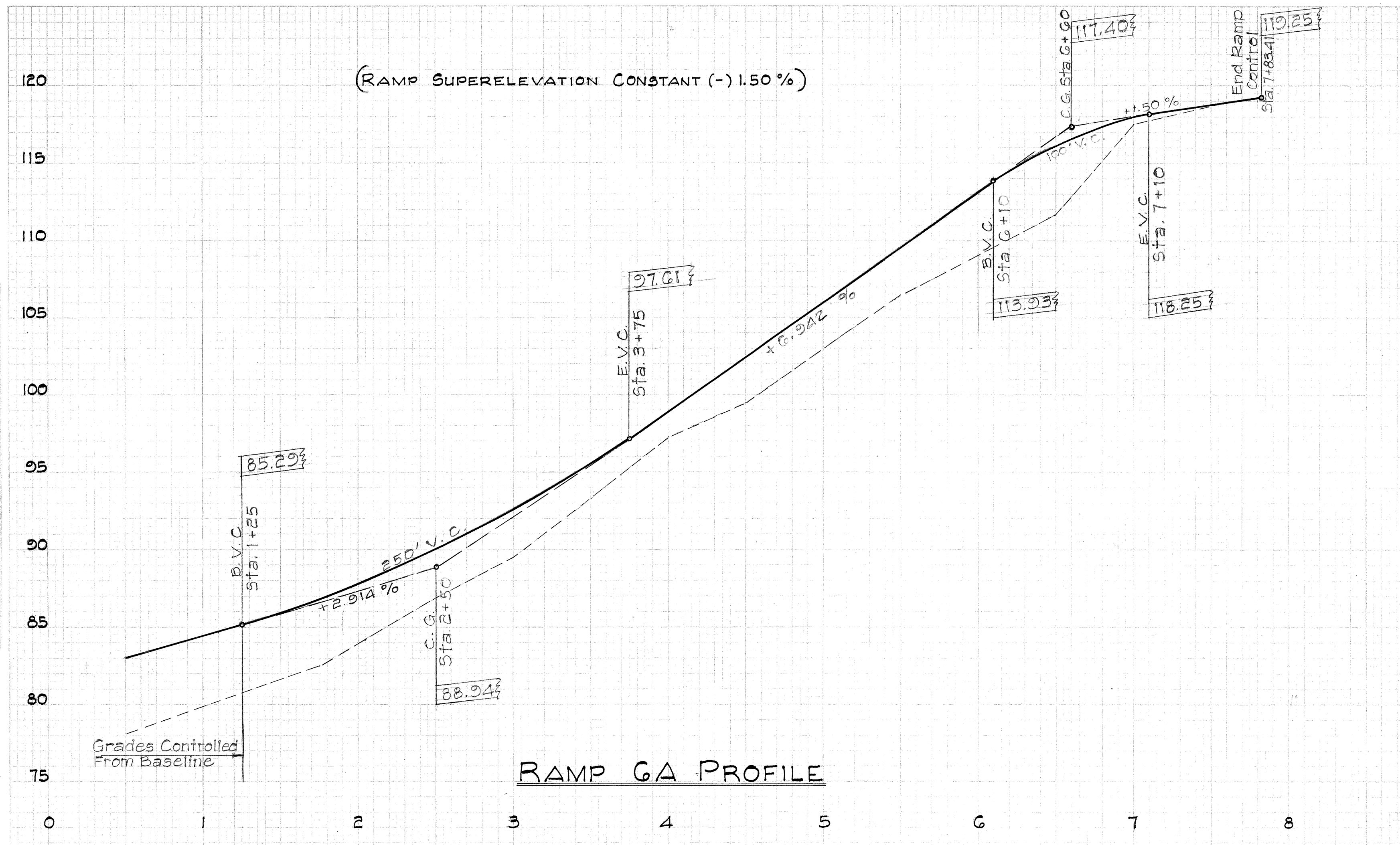
Note:
Koko Head Ave. Additional Details
shown on Plan Sheet No. 29.

Note:
Ramp KO Additional Details
shown on Plan Sheet No. 28.

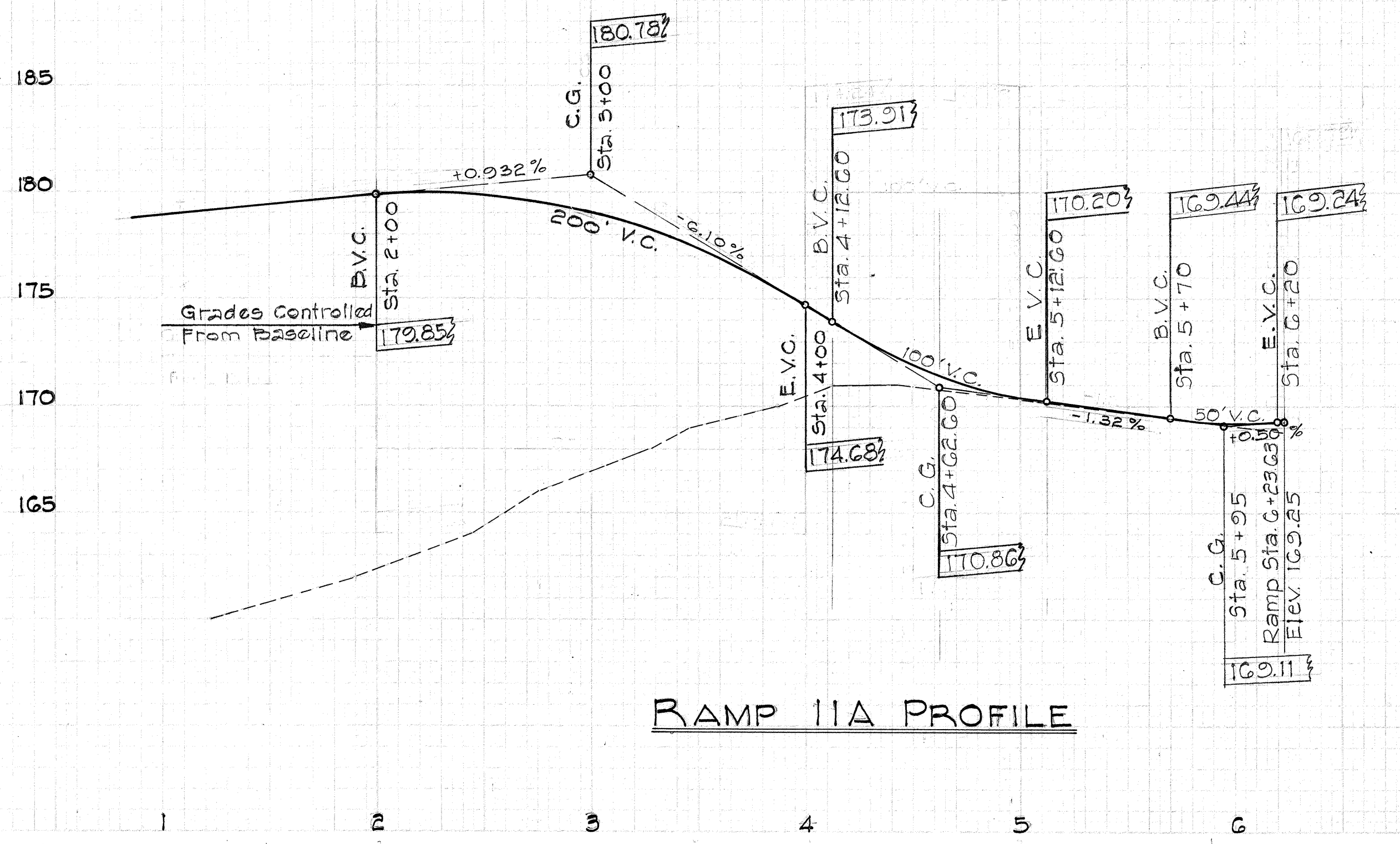


This Sheet Supersedes Sheet No. 143

PLATE 1-PLAN-173 FILE 5, P. 3 & 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 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RAMP SUPERELEVATION TRANSITION											
-1.50 %	-1.50 %	-1.50 %	-1.50 %	-1.53 %	-1.92 %	-2.74 %	-3.98 %	-5.57 %	-6.64 %	-7.00 %	-7.00 %
-6.96 %	-6.47 %	-5.45 %	-3.92 %	-2.58 %	-1.77 %	-1.50 %	-1.50 %	-1.50 %	-1.50 %	-3.45 %	-5.12 %

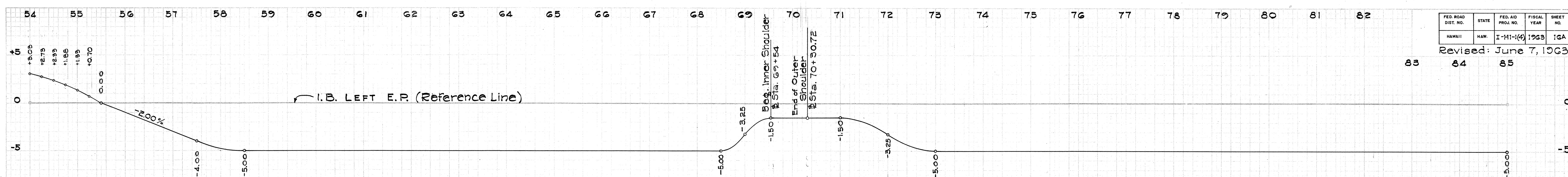


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(4)	1963	16A	217

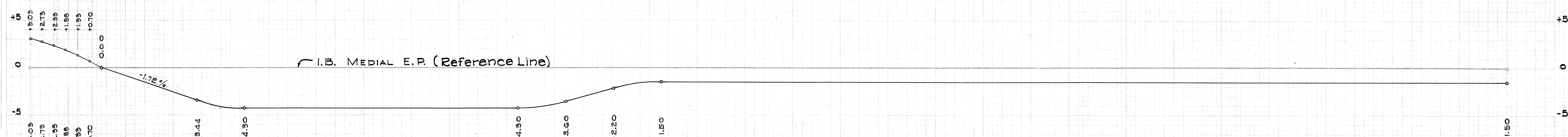
Revised: June 7, 1963

83 84 85

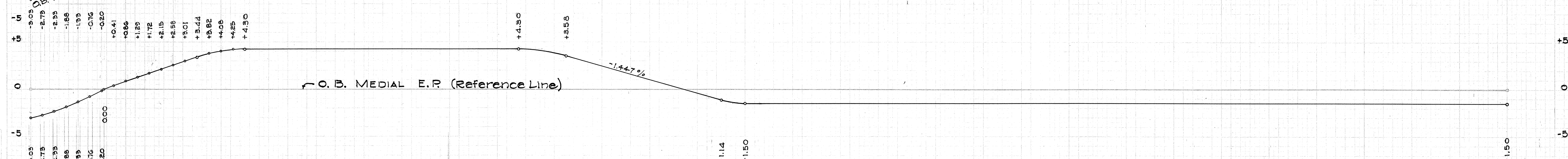
SUPERELEVATION OF INBOUND SHOULDER



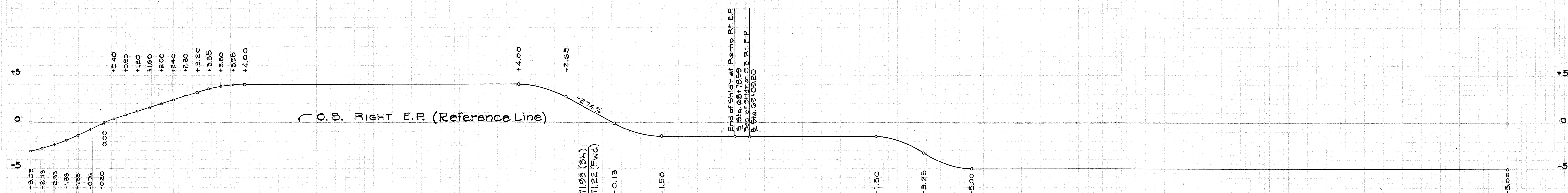
SUPERELEVATION OF INBOUND LANES (OUT TO LEFT E.P.)



SUPERELEVATION OF OUTBOUND LANES (OUT TO RIGHT E.P.)



SUPERELEVATION OF OUTBOUND SHOULDER

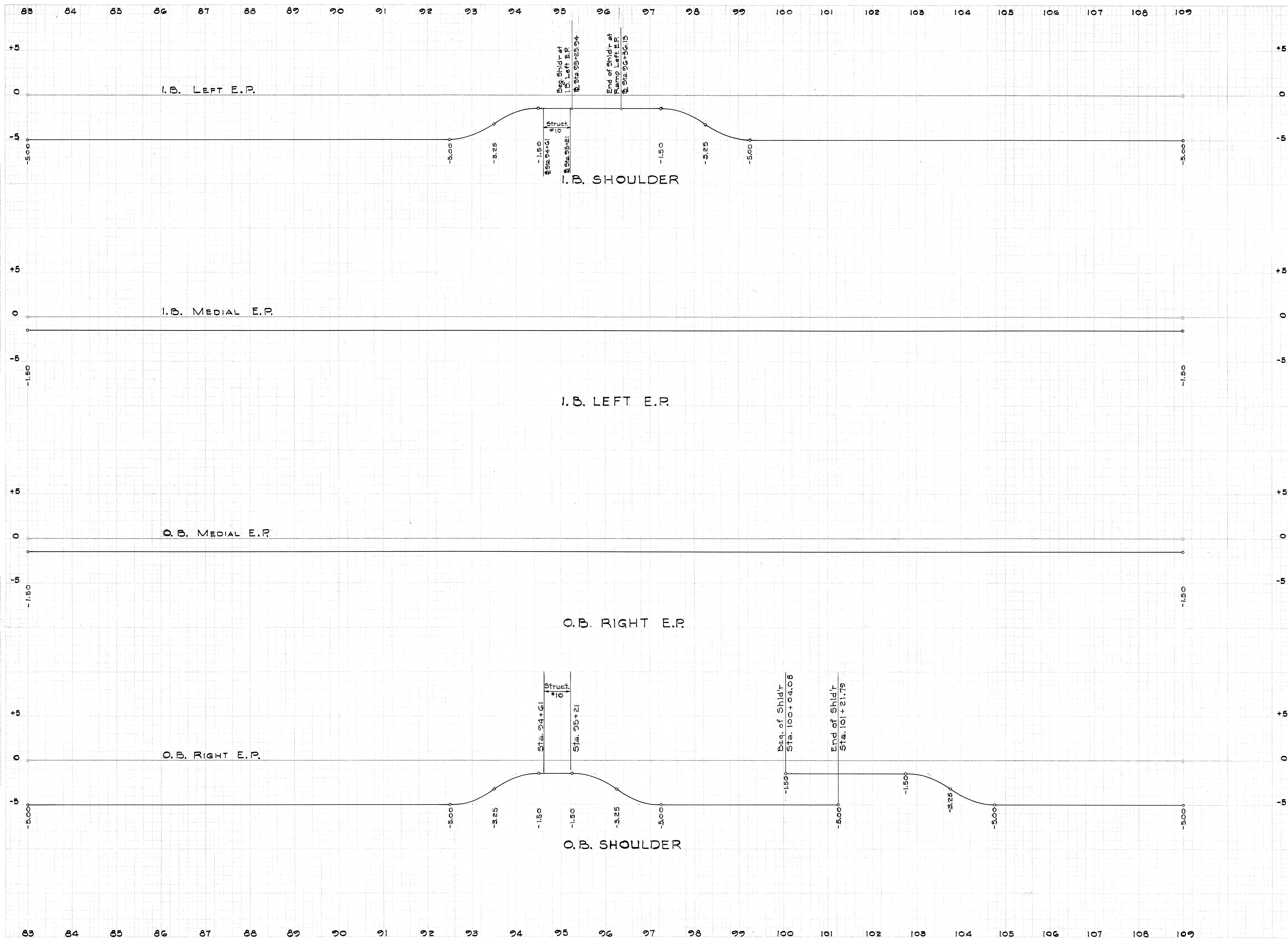


SHEET No. 16A
SUPERSEDES SHEET No. 16

SUPERELEVATION DIAGRAM
STA. 54+00 TO STA. 85+00
PROJECT No. I-HI-1(4):24
SCALE: HOR. 1"=100'
VER. 1"=50'

16A

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(4)	1963	17	217



SUPERELEVATION DIAGRAM
 STA. 83+00 TO STA. 109+00
 PROJECT NO. I-HI-1(4):24
 SCALE: HOR. 1"=100'
 VER. 1"=50'