

STATE OF UTAH STATE ROAD COMMISSION

FG-037-1(5)
S-0568(2)
DF-037-1(3)
F-037-1(4)

SECOND CONTR.
SEC. 1 & 2

INDEX TO SHEETS F-037-1(4) SEC. CONTR.

SHT. NO.	DESCRIPTION	DWG. NO.	STA.
1	TITLE SHEET		
2-28	TYPICAL SECTION & MATERIALS SHEET		
3-14	PLAN & PROFILE		
15-28	51.16' (E.B.L.) 55.49' (W.B.L.) 0-0 CONC. RIGID FR. O'PASS D-634		
29	STD. HANDRAIL DETAILS	S-R-3-2	
30	CATCH BASIN	V-750	
31	2 WAY DIVERSION BOX	V-376-2	1+60
32	STD. GUARD RAIL & GUIDE POSTS	B-158	
33	MED. ISLAND CURB DETAIL	B-151	
34	STD. END SECTIONS	B-160	
35	STD. R/W FENCE	B-157	
36	CHAIN LINK FENCE	B-155	
37	DELINEATORS	B-154	
38-40	STD. HIGHWAY SIGNS	B-95-1, 2 & 3	
41-A	STD. F.A. & R/W MARKERS	M-45	
41-B	STD. FOR SUPER. CURVES	M-180	

(234+53.53 E.B.L.
235+03.13 W.B.L.)

PLANS OF PROPOSED STATE ROAD FEDERAL AID PROJECT WEBER COUNTY

S-0568(2) LENGTH 0.303 MILES
DF-037-1(3) LENGTH 0.022 MILE
F-037-1(4) FIRST CONTRACT
SECOND CONTR. SEC. 1 & 2 F-037-1(4) LENGTH 1.373 MILES
FG-037-1(5) LENGTH 0.259 MILES

AS CONSTRUCTED

INDEX TO SHEETS FG-037-1(5)

SHT. NO.	DESCRIPTION	DWG. NO.	STA.
1	TITLE SHEET		
2-24	TYPICAL SECTION		
3-5	PLAN & PROFILE		
6-22	409.07' 0-0 STL. I BEAM O'PASS	C-314	227+13.69
23	STD. HANDRAIL DETAILS	S-R-3-2	227+13.69
24	2 WAY DIVERSION BOX	V-376-2	
25-26	JUNCTION BOX	V-505-1	224+15.1
27	STD. END SECTIONS	B-160	
28	STD. R/W FEN.	B-157	
29	CHAIN LINK FENCE	B-155	
30	STD. GUARD RAIL & GUIDE POSTS	B-158	
31	DELINEATORS	B-154	
32-34	STD. HIGHWAY SIGNS	B-95-1, 2 & 3	
35-A	STD. F.A. & R/W MARKERS	M-45	
35-B	STD. FOR SUPER. CURVES	M-180	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UT.	UTAH	S-0568(2)	POSTWAR	1	
UT.	UTAH	DF-037-1(3)	POSTWAR	1	
UT.	UTAH	F-037-1(4)	POSTWAR	1	
UT.	UTAH	F-037-1(4)	POSTWAR	1	41
UT.	UTAH	FG-037-1(5)	POSTWAR	1	39

INDEX TO SHEETS S-0568(2)

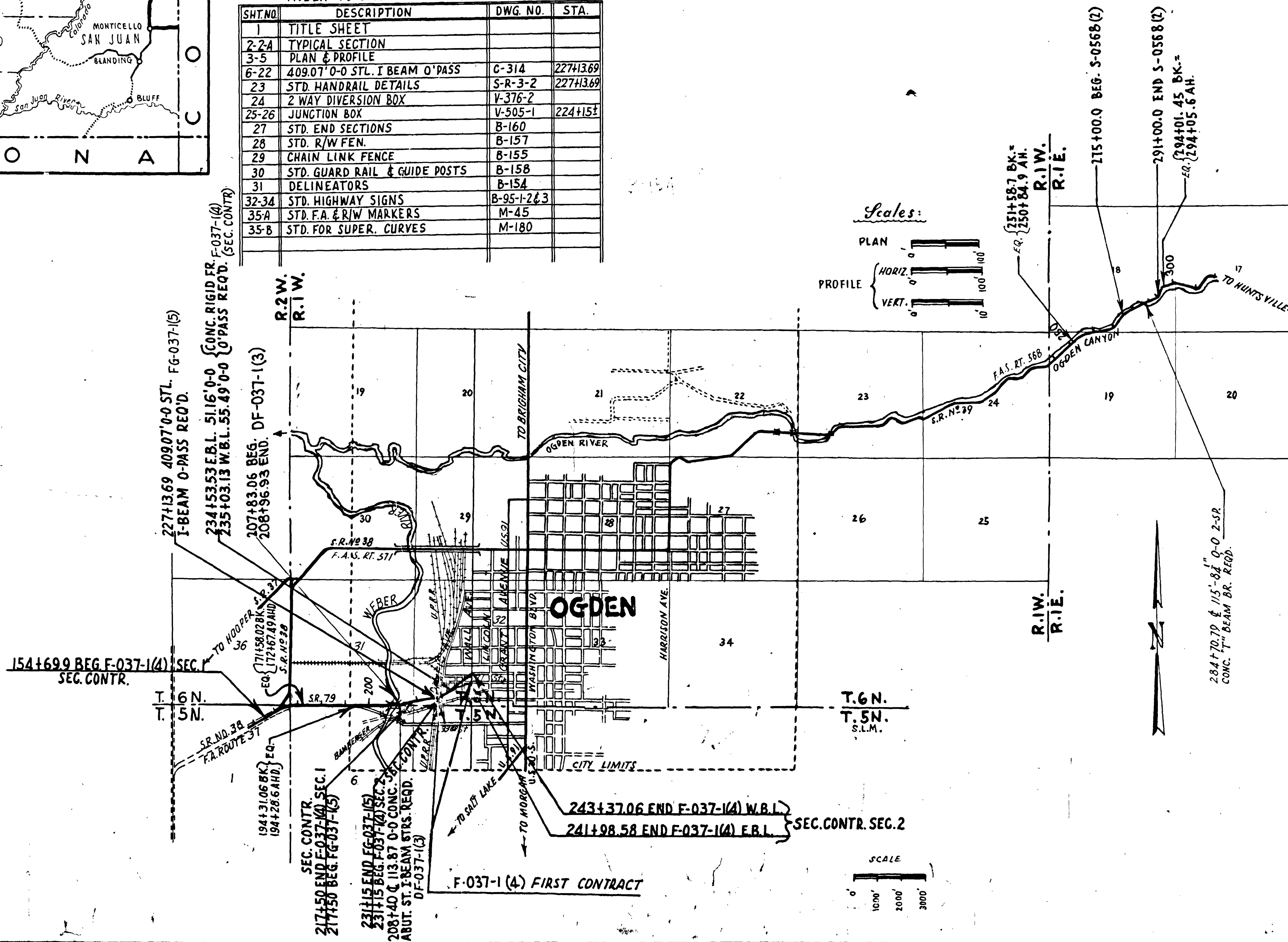
SHEET NO.	DESCRIPTION	DRAWING NO.	STATION
1	TITLE SHEET		
2	TYPICAL SECTION		
3	PLAN & PROFILE		
4-26	115'-8 1/2" 0-0 2-SP CONC. T BEAM BR	D-634	284+70.79
27	STD. HAND RAIL DETAILS	SR-3-2	284+70.79
28-30	RET. WALLS	V-722	
31-33	STD. HIGHWAY SIGNS	B-95-1, 2, 3	
34-A	" F.A. & R/W MARKERS	M-45	
34-B	" FOR SUPER. CURVES	M-180	

INDEX TO SHEETS DF-037-1(3)

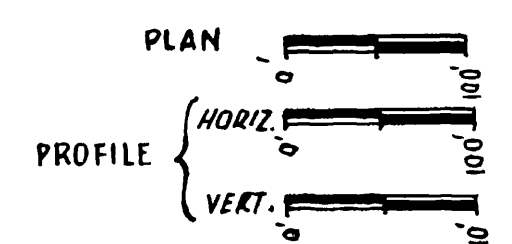
SHEET NO.	DESCRIPTION	DRAWING NO.	STATION
1	TITLE SHEET		
2	PLAN & PROFILE		
3-15	138' 7 1/2" CONC. ABUT. ST. I BEAM STRS.	C-310	208+40
16	STD. HANDRAIL DETAILS	SR-3-2	208+40
17-19	HIGHWAY SIGNS	B-95-1, 2, 3	

INDEX TO SHEETS F-037-1(4) FIRST CONTRACT

SHEET NO.	DESCRIPTION	DRAWING NO.	STATION
1	TITLE SHEET		
2	PLAN		



Scales:



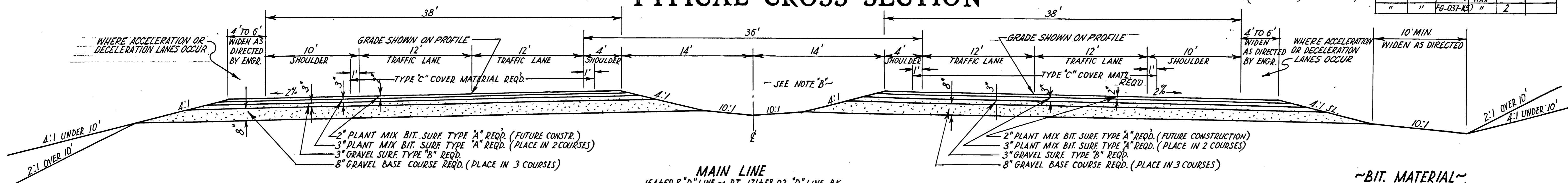
Cabinet #24

STATE ROAD COMMISSION OF UTAH
RECOMMENDED FOR APPROVAL: MAY 1959
R. J. Ballard
ASSISTANT DIRECTOR OF HIGHWAYS FOR ENGINEERING
APPROVED: MAY 1959
Edwin R. Morgan
DIRECTOR OF HIGHWAYS

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED: _____
DIVISION ENGINEER DATE

TYPICAL CROSS SECTION

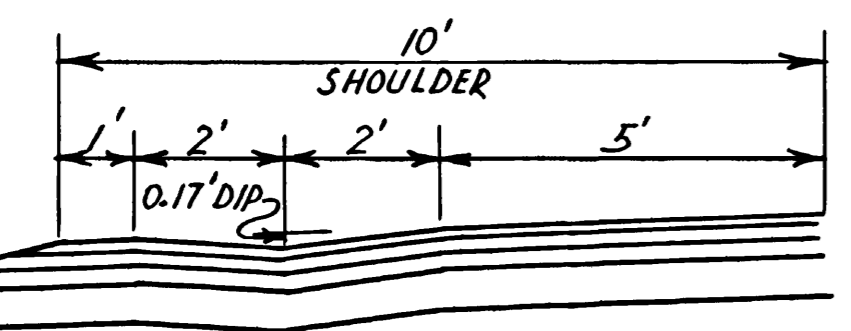
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	F-037-KA	POST WAR	2	
"	"	FG-037-KA	"	2	



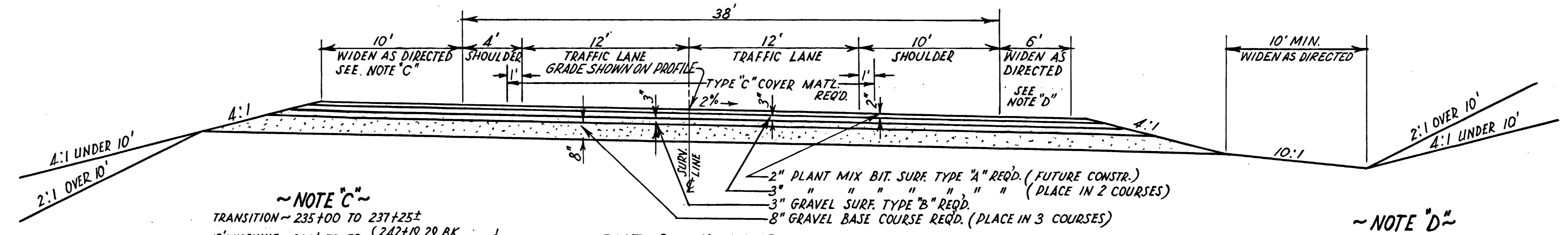
MAIN LINE
 154+69.8 "D" LINE ~ P.T. 171+58.02 "D" LINE BK.
 172+67.49 AH. "A" LINE OFF REV. ~ 194+31.06 BK. "A" LINE
 194+28.6 AH. "A" LINE ~ P.C. 231+24.68 E.B.L.

~BIT. MATERIAL~
 TYPE 120-150 PENETRATION REQ'D. IN MIX
 " MC-1 OR MC-2 REQ'D. FOR PRIME COAT
 " RC-1 " RC-2 " " TACK COAT
 " RC-4 REQ'D. FOR SEAL COAT
 COVER MATERIAL TYPE "C" REQ'D.

NOTE "B"
 ON 10' WIDENING FOR LT. TURN STORAGE LANES USE 10:1 SLOPE ON LOW SIDE OF DEPRESSED MEDIAN FOR 5' OR AS DIRECTOR BY ENGINEER, AND VERY SLOPE TO MATCH ON HIGH SIDE.

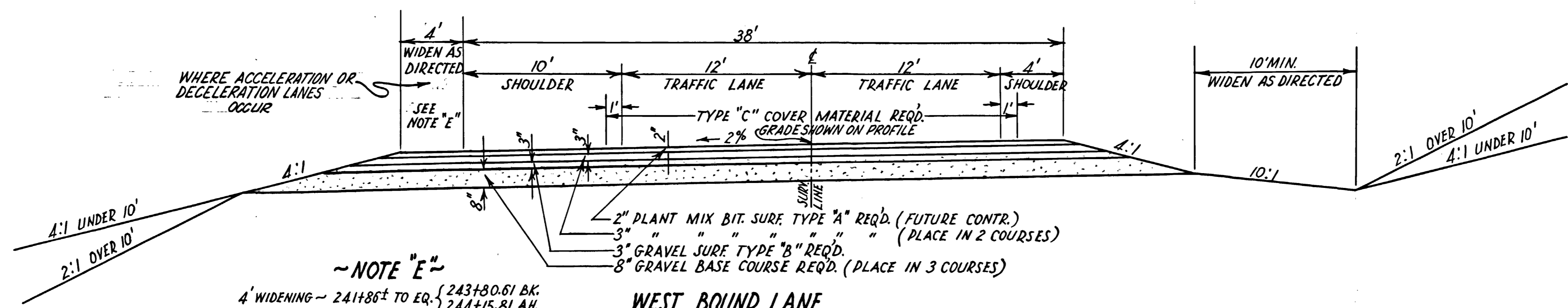


ROLLED GUTTER
 STA. 177± TO STA. 203+50± LT. & RT.
 " 215+50± TO STA. 224+50± LT. & RT.
 " 229+00± " " 238+00± E.B.L. RT.
 " 238+80± E.B.L. TO STA. 242± E.B.L. RT.
 " 229+50± W.B.L. " " 240+30± W.B.L. LT.



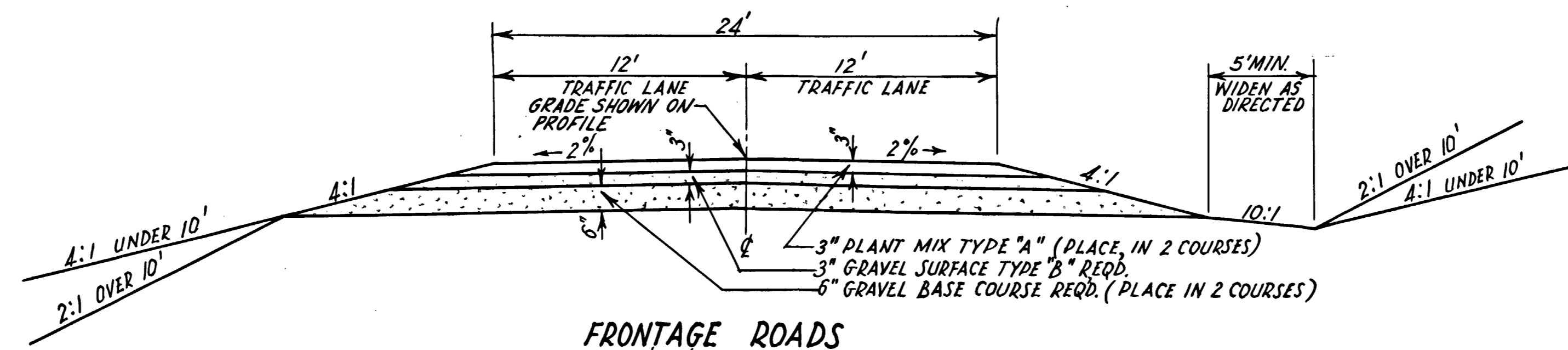
~NOTE "C"~
 TRANSITION ~ 235+00 TO 237+25±
 10' WIDENING ~ 235± TO EQ. { 242+19.29 BK. }
 { 242+26.40 RT. AH. }
 EQ. { 242+19.29 BK. } TO 242+34
 { 242+26.40 AH. }

~NOTE "D"~
 6' WIDENING ~ 238+70± TO EQ. { 242+19.29 BK. }
 { 242+26.40 RT. AH. }
 EQ. { 242+19.29 BK. } TO 242+34
 { 242+26.40 RT. AH. }



~NOTE "E"~
 4' WIDENING ~ 241+86± TO EQ. { 243+80.61 BK. }
 { 244+15.81 AH. }

~GENERAL NOTE~
 COVER MAT'L. TYPE "C" SHALL BE PLACED AS DIRECTED ON THE TYPICAL CROSS SECTIONS. RC-1 OR RC-2 SEAL COAT, OIL ONLY, SHALL BE PLACED ON THE SHOULDER AREAS PRECEDING THE PLACING OF THE SEAL OIL AND COVER MAT'L. IN THE CENTER PORTION OF TRAFFIC LANE AREA, BY AT LEAST 10 DAYS IN ACCORDANCE WITH THE SPECIAL PROVISION HEADED "SEAL COATING."



FRONTAGE ROADS
 NO. 1 & 2 & 3 LINES
 "B" LINE & AIRPORT CONN.
 3300 SO. ST. & GARBAGE DUMP CONN.

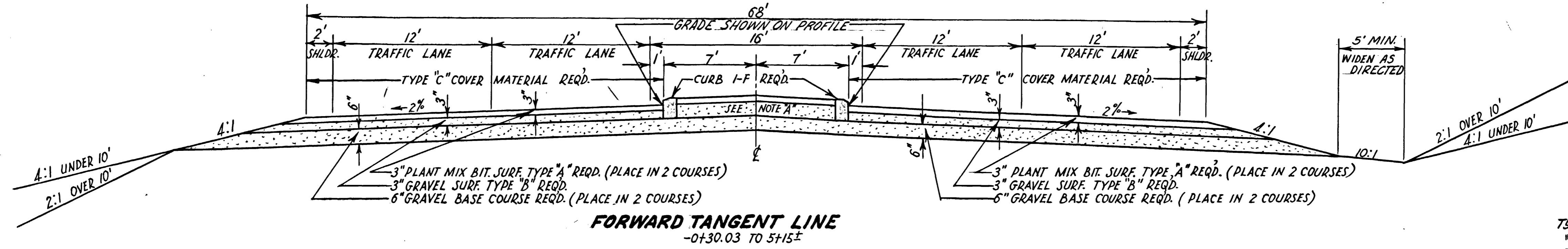
UTAH STATE ROAD COMMISSION
 SALT LAKE CITY - UTAH

PLANT MIX BIT. SURFACED ROADWAY

TYPICAL CROSS SECTION

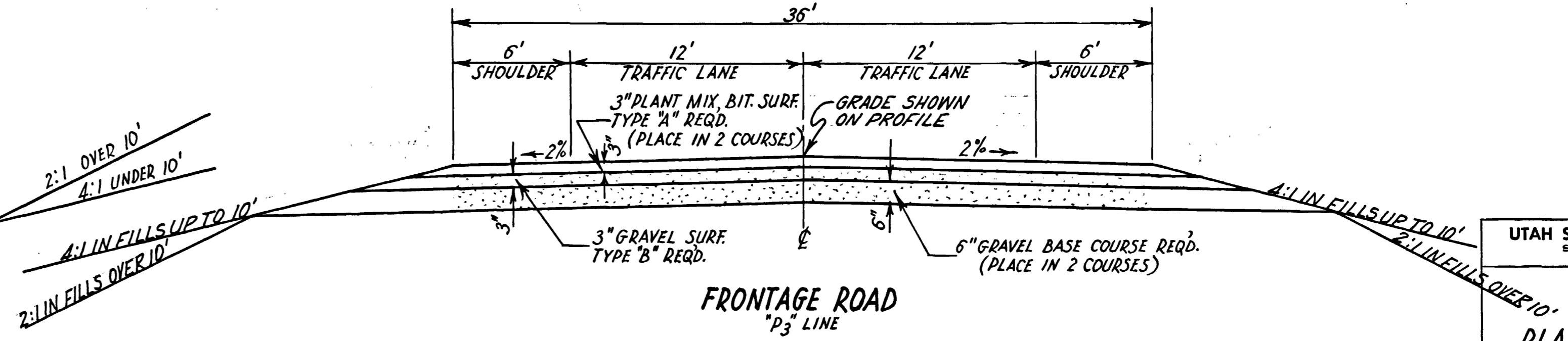
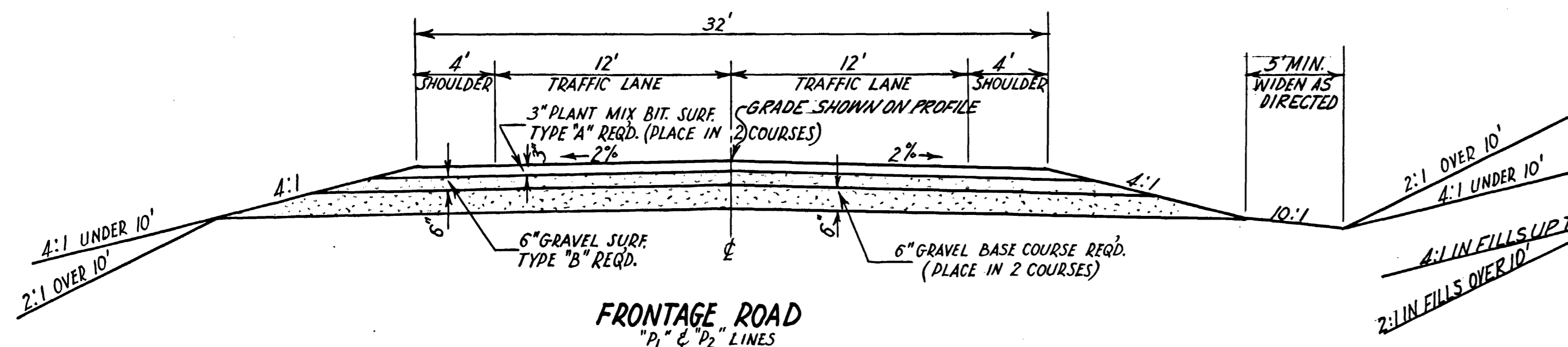
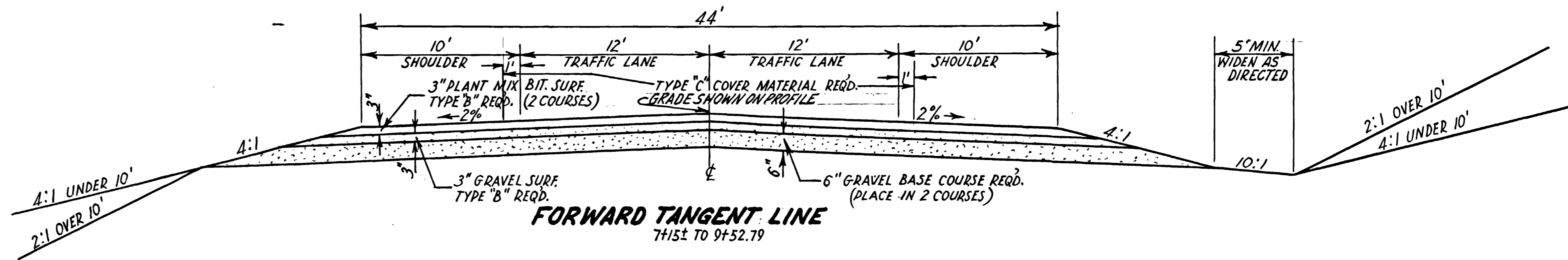
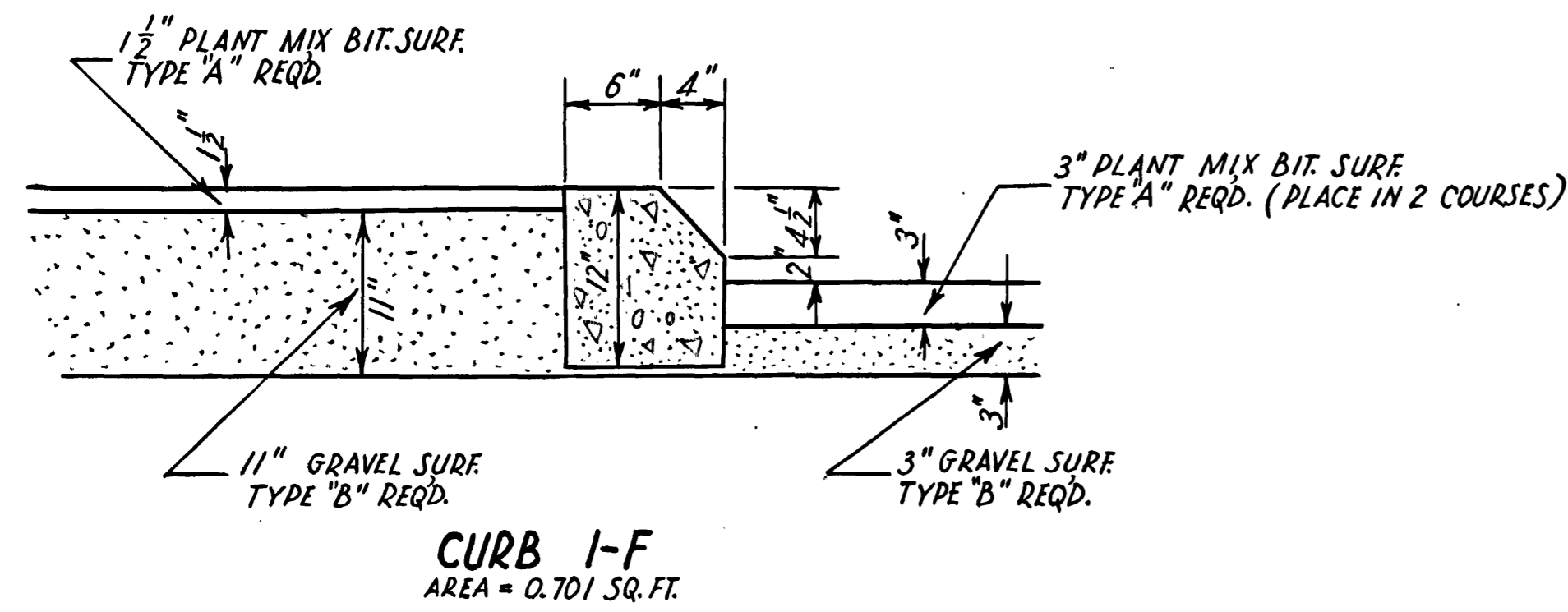
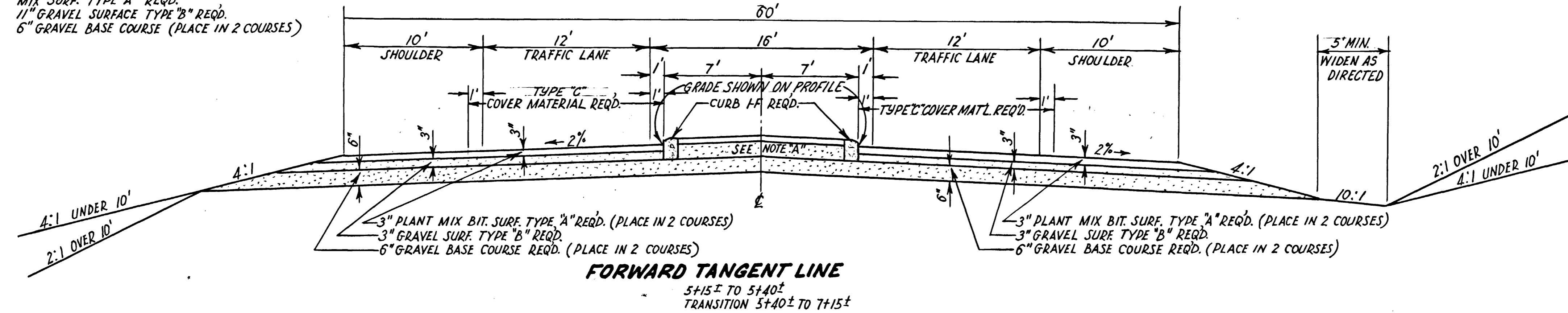
(SEE CONTR. SECTIONS 1 & 2)

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	F-037-1(A)	POST 1946	2-A	
		FG-037-1(B)	"	2-A	



NOTE A"
 IN MEDIAN PLACE 1 1/2" PLANT MIX SURF. TYPE "A" REQ'D.
 11" GRAVEL SURFACE TYPE "B" REQ'D.
 6" GRAVEL BASE COURSE (PLACE IN 2 COURSES)

~ BIT. MATERIAL ~
 TYPE 120-150 PENETRATION REQ'D. IN MIX
 " MG-1 OR MG-2 REQ'D. FOR PRIME COAT
 " RC-1 OR RC-2 REQ'D. FOR TACK COAT
 " RC-4 REQ'D. FOR SEAL COAT
 COVER MATERIAL TYPE "C" REQ'D.

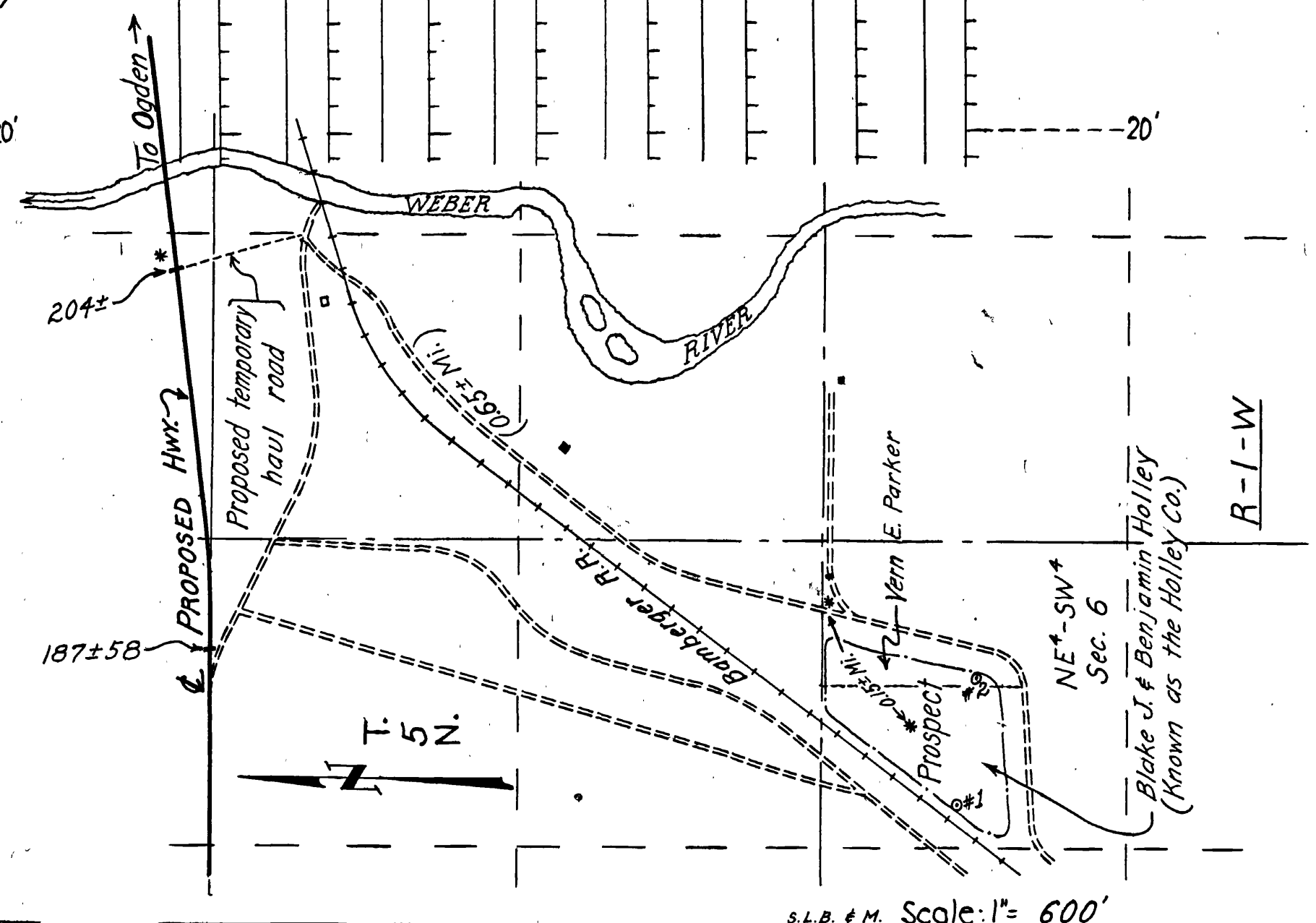
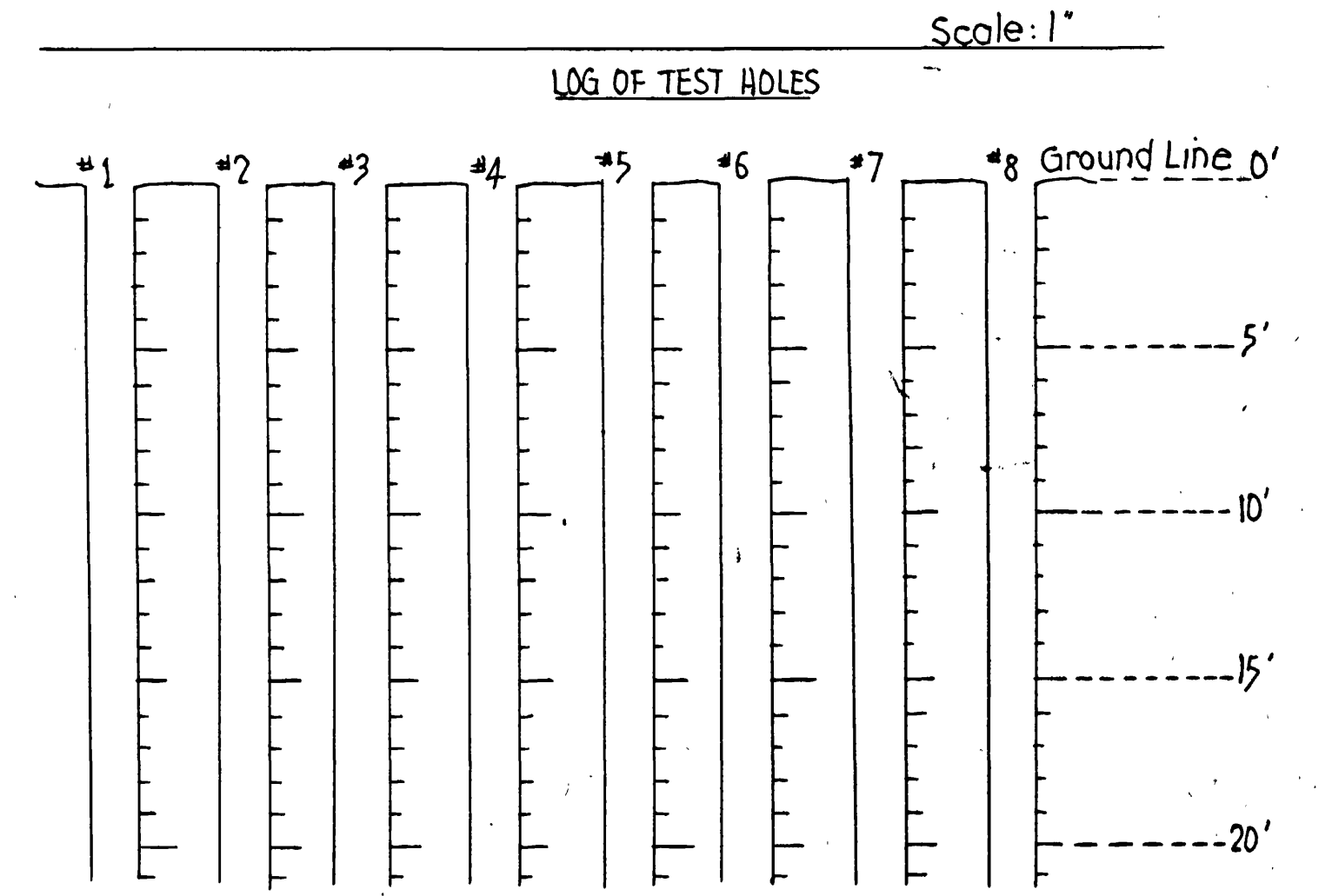
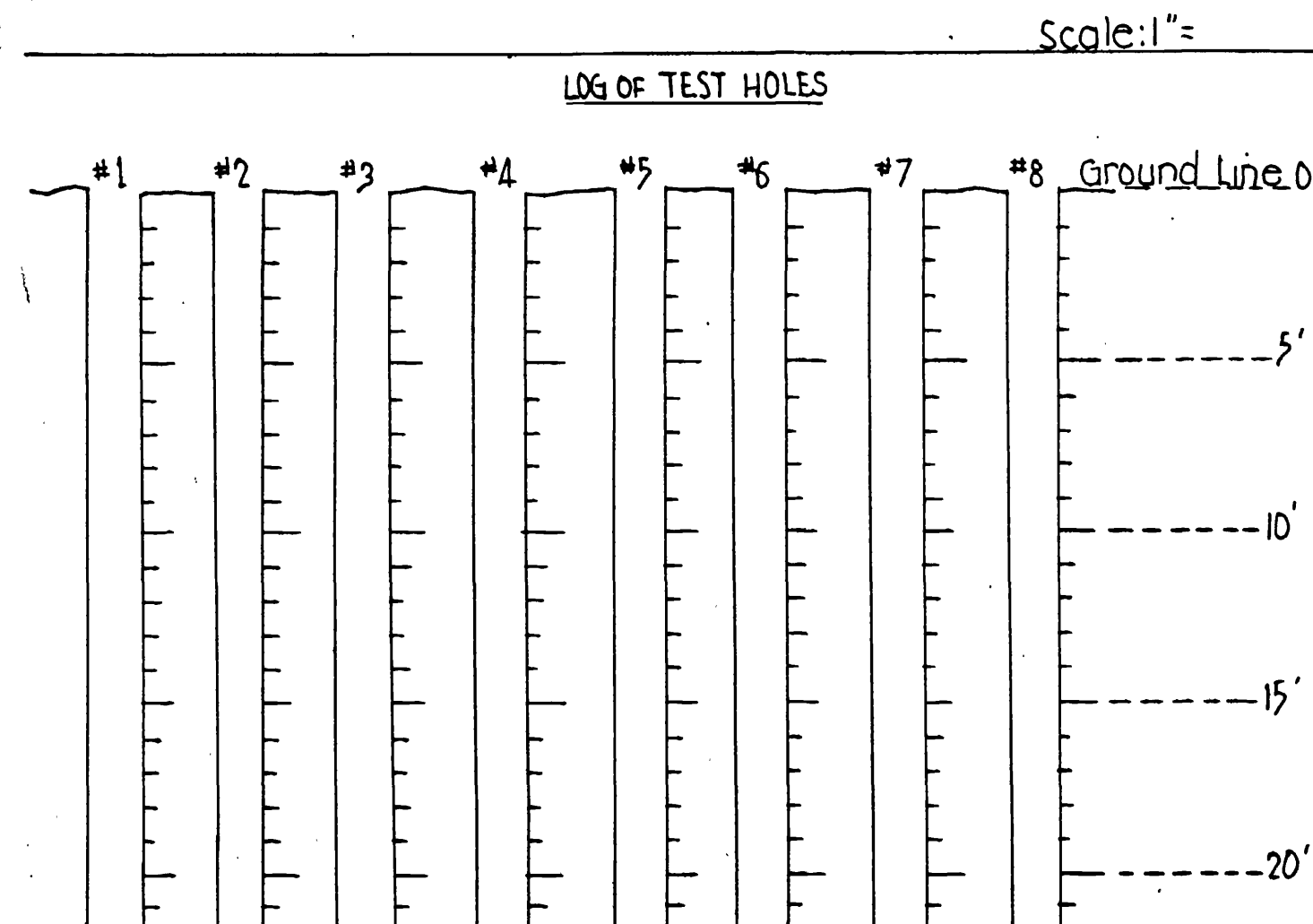
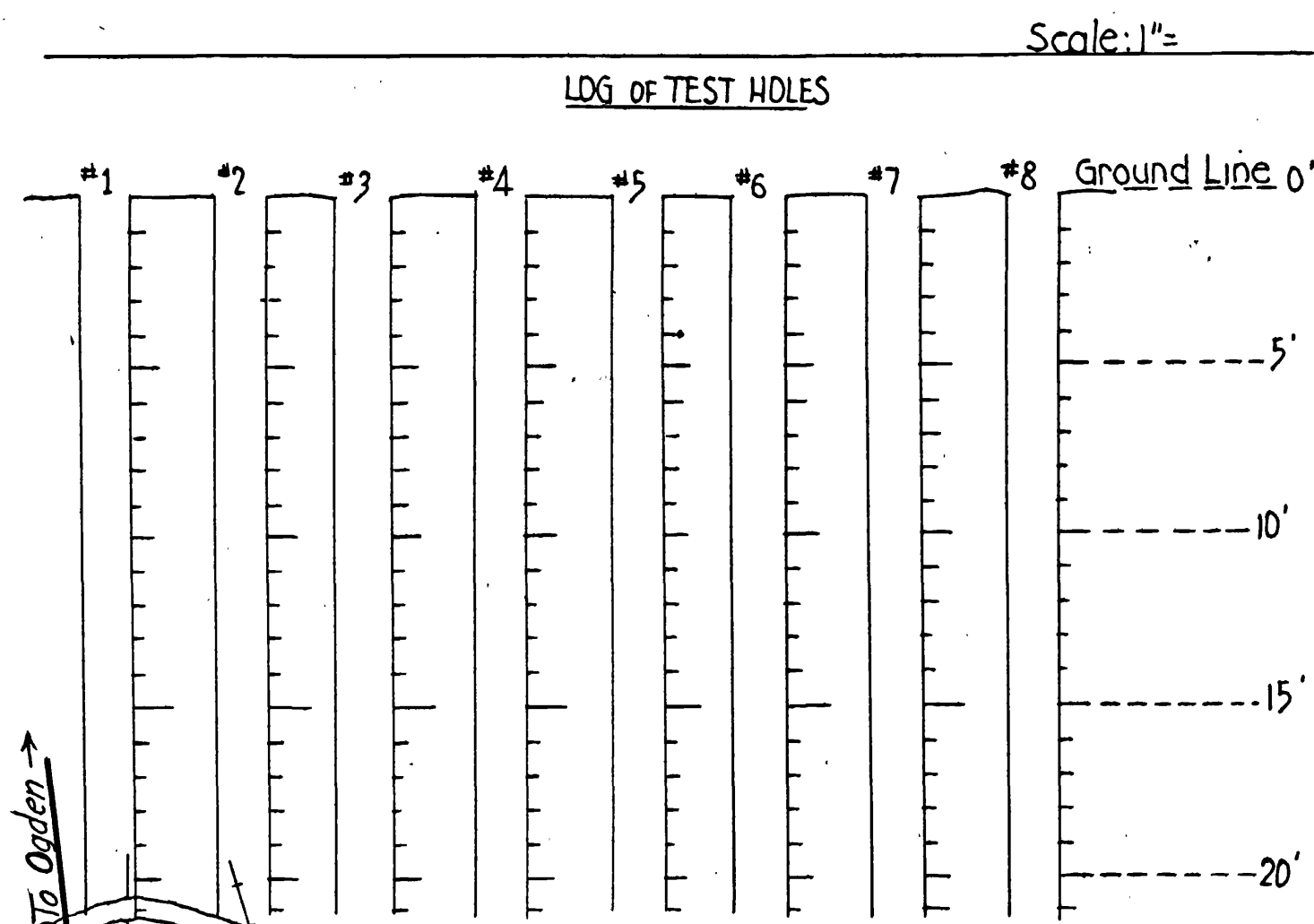
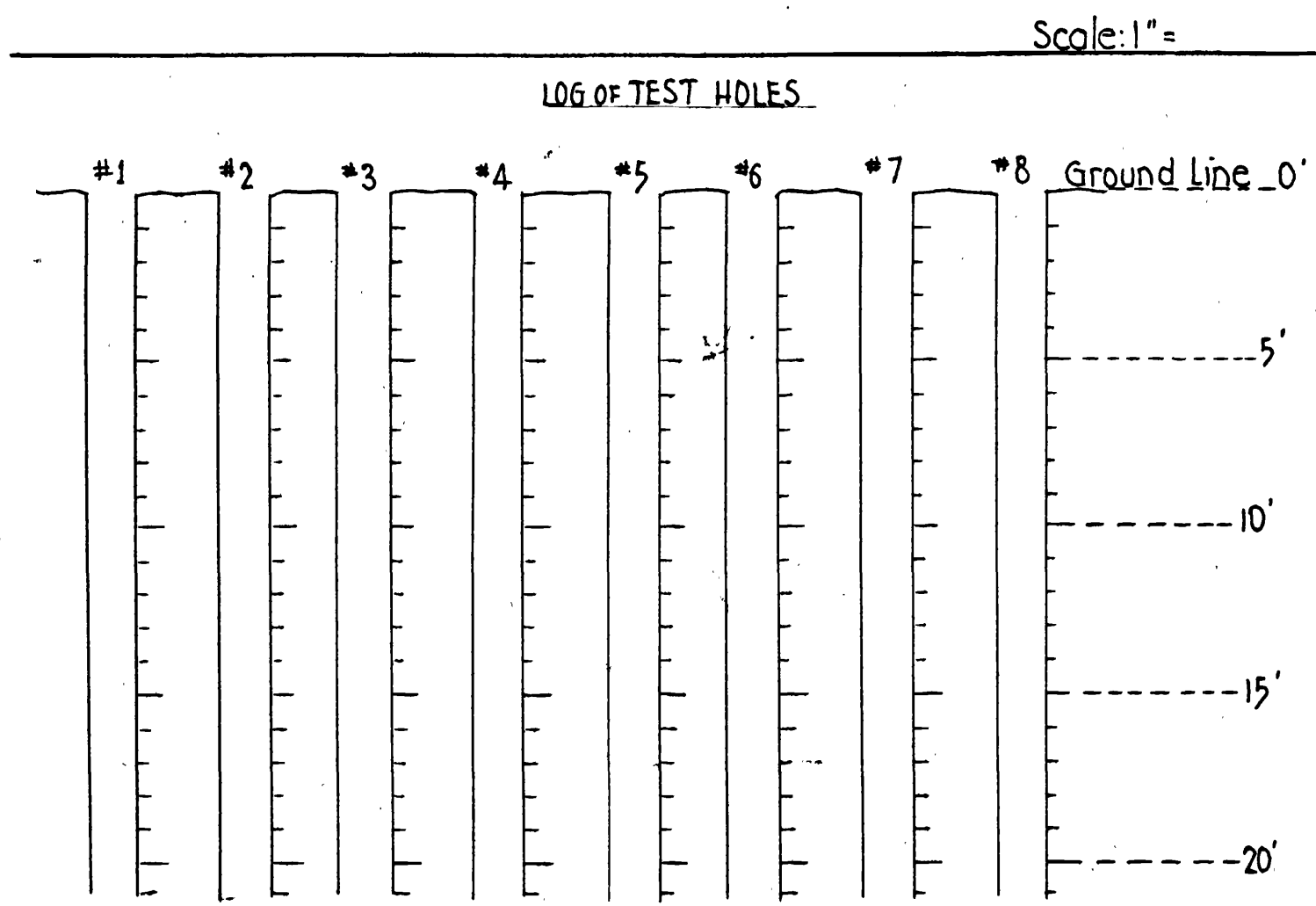


UTAH STATE ROAD COMMISSION
 SALT LAKE CITY - UTAH

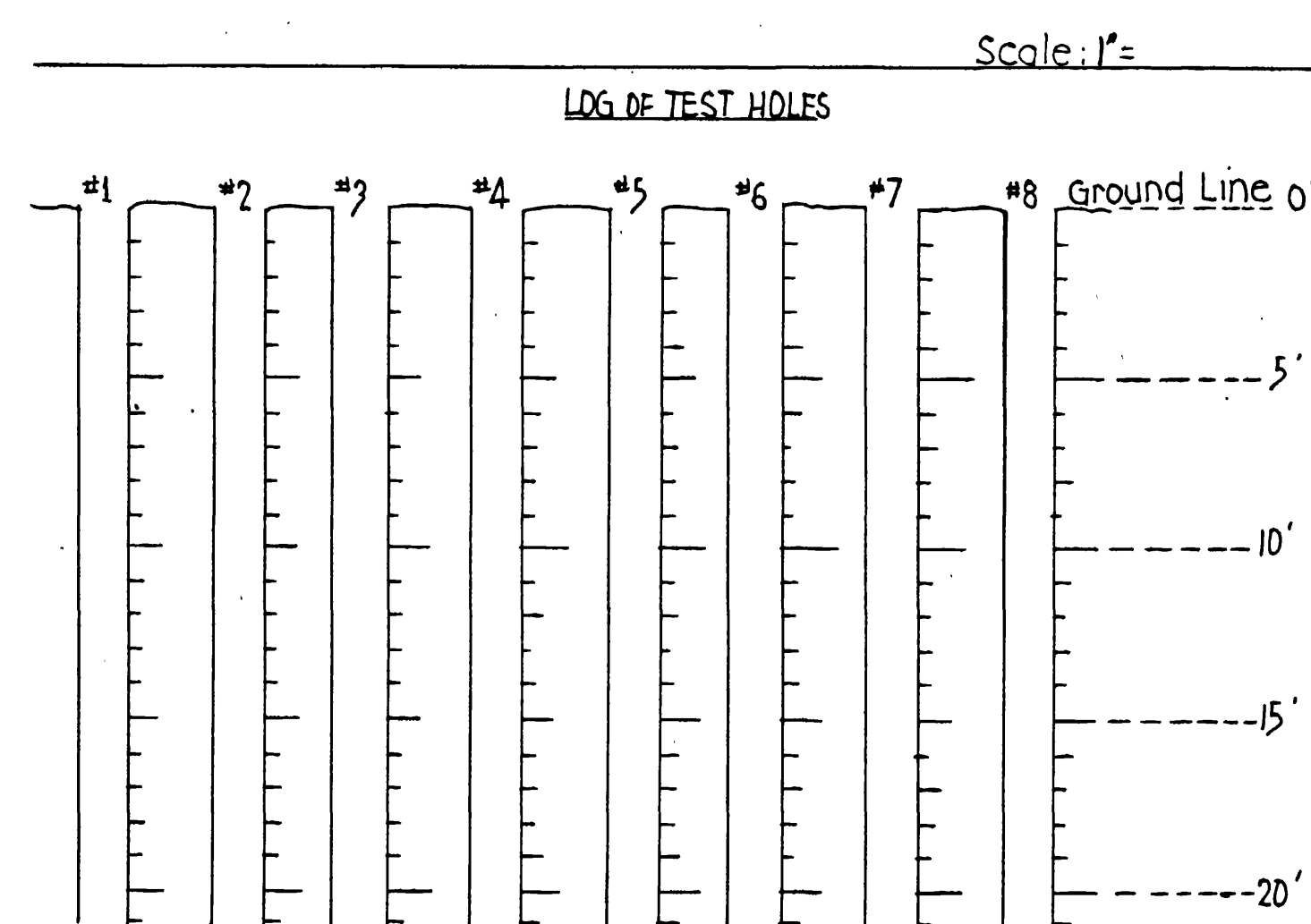
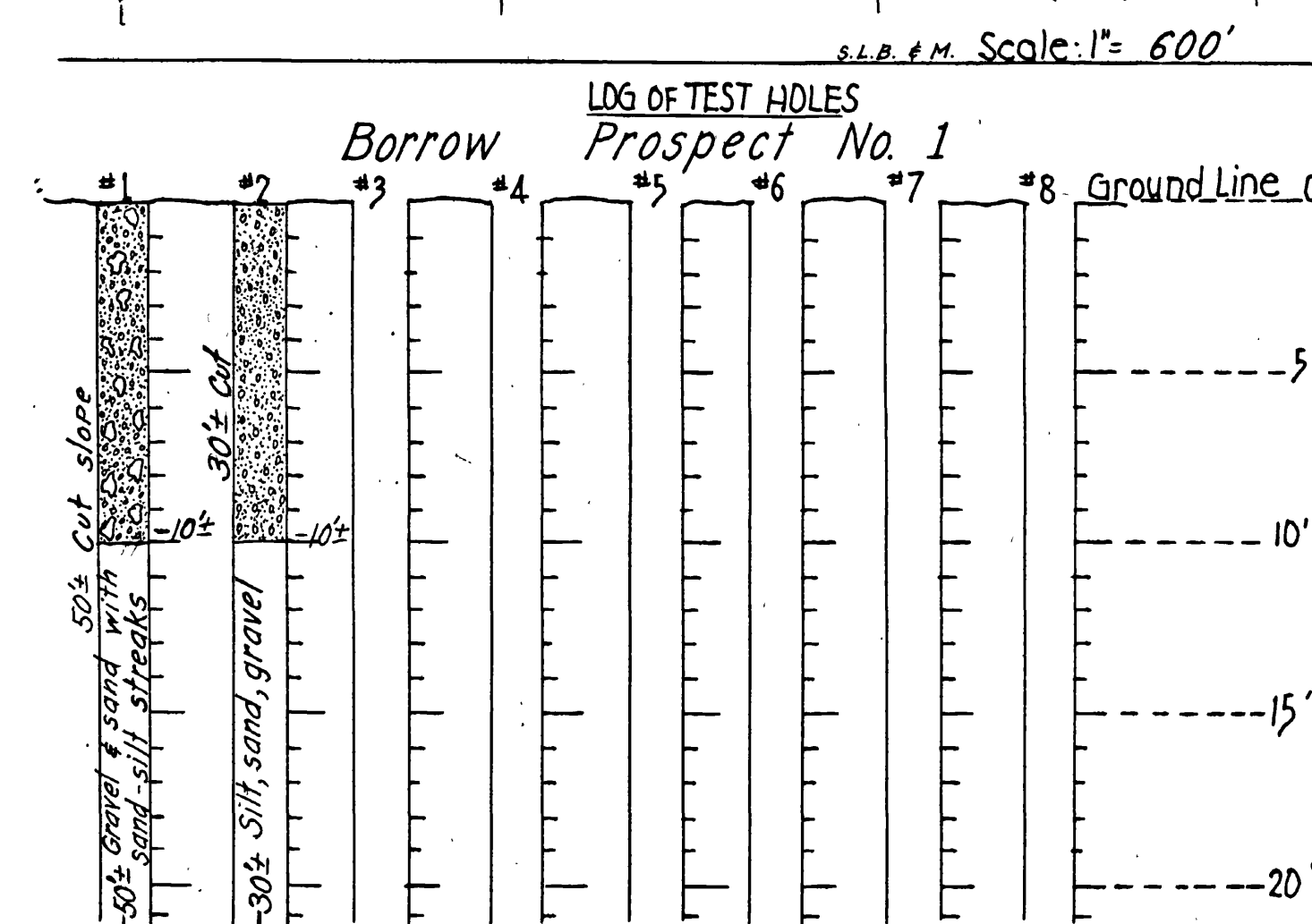
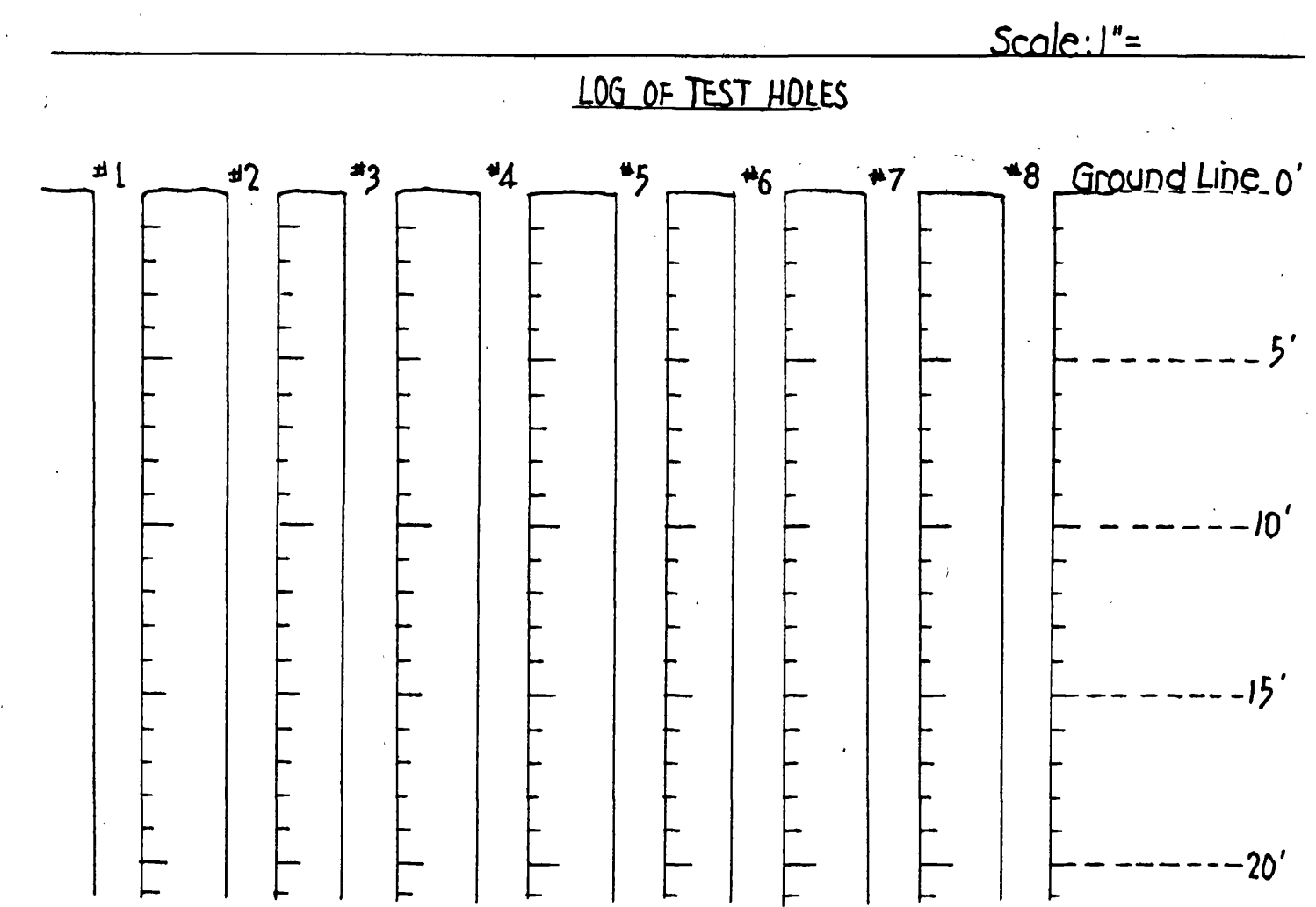
PLANT MIX BIT SURFACED ROADWAY

(SEC. CONTR.)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	F-037-1(4)	POST WAR	2-B	5



~ NOTES ~
 The information on the above materials prospects shall in no way be construed so as to conflict with Section 1, Article 1-6.2 of Designated Local Materials Sources of the State of Utah Standard Specifications, 1932 Edition and Supplements.
 One Prospect Only



LEGEND

Section Line = ————
 1/4 Section Line = - - - - -
 40 Acre Line = - - - - -

CODE:
 50% Cut slope: [Symbol]
 90% Cut slope: [Symbol]
 To - 50% gravel & sand with silt streaks: [Symbol]
 To - 30% silt, sand, gravel: [Symbol]

Boylers & Gravel: [Symbol] Sand: [Symbol] Clay: [Symbol] Silt: [Symbol]
 ~ Water Table * Bottom of Test Hole

STATE ROAD COMMISSION OF UTAH
 MATERIALS LABORATORY

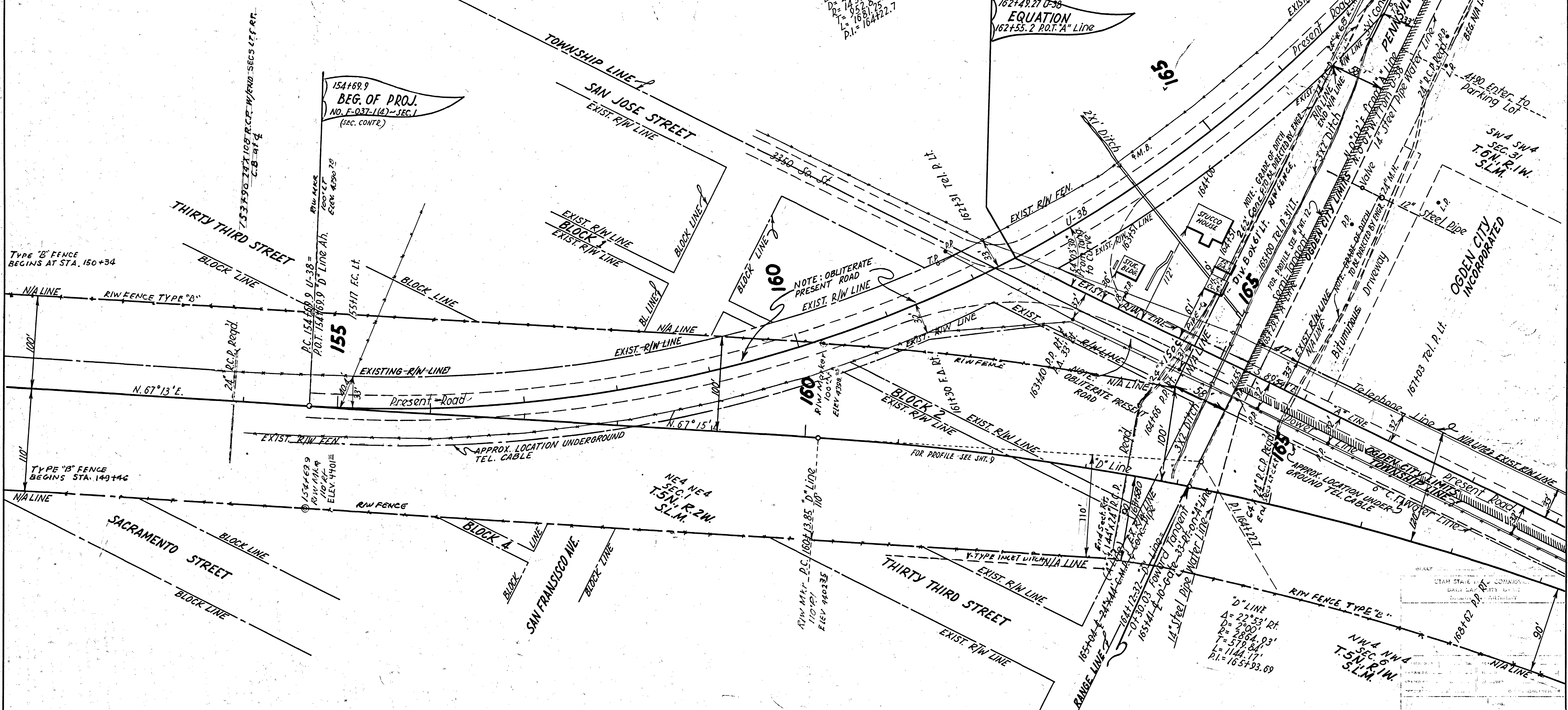
PROJECT NO. F-037-1(4)
 PROJECT NAME FROM SR-38
 TO JUNCTION WALL AVENUE
 MATERIALS PROSPECTS AND
 TEST HOLES

DATE: April 8, 1959 BY: J.M.

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DWG. NO.
153+90+	108' x 24"x48" R.C.P.		PROV. CONC. END SECS. 2nd - 5th	B-160
163+25+	144' x 24"x48" "		" " " " " " " "	"
164+90+	24"x68" "		" " " " " " " "	"
1+90+	F. TANGENT		45'-DI. OF 4+62 - 45'-DI. OF 5+18	
1+90+	" "		55'-LT. OF 4+56 - 55'-LT. OF 5+24	
1+90+73	" "		" " " " " " " "	
154+69.9 - 156+15	TWO WAY DIV. BOX		65" LT.	V-376 2-L-3
154+69.9 - 179+89	1 DELINEATOR LT.		TYPE I	B-154
154+69.9 - 179+89	22 DELINEATORS RT.		" " "	"
157+00 - 169+00	15 " LT.		TYPE II	"
156+15+	1 DELINEATOR LT.		TYPE III	"
149+44	151+75.14 TO 163+70 164+14	1464	2390' R/W FENCE RT. & LT.	B-157 SH. 1
163+70 TO 164+25	1845'		TYPE B - METAL POSTS	"
0+58	0+180 TO 4+20 FORWARD TANGENT	340372"	" LT. TYPE "B" "	"
1+50 - 9+50	400' "		" LT. " " " "	"
150+34 - 163+83	1363' R/W FENCE LT.		TYPE "B" METAL POSTS	"
164+26 - 184+50	1890' " RT.		" " " " " " " "	"
154+70	1 R.A.P. MARKER		TO BE PLACED IN CENTER MEDIAN	"
0+26	24"x150' PLAIN CONC. PIPE 46 LT.		1+73 61' LT.	"
7+73	24"x262' "		61' LT. - 4+39 61' LT.	"
4+39	24"x68" R.C.P.		61' LT. - 5+07 61' LT.	"
164+12	22"x13 x16" CMP ARCH		67' LT. - 164+28 67' RT.	"
153+90	STANDARD CATCH BASIN		PLACED IN MEDIAN	V-750 L-2
164+14	1/2" GATE AND GATE POST		DO. RT. - 90' RT. OF 164+26	"

REVISED 6-10-59
 REVISED 7-17-59
 A.C.P. 6-30-61



SEA SEA
 SEC. 36
 T. 5 N. R. 2 W.
 S. 5 L.M.

U-38
 A = 67° 15' LT.
 D = 44.00' - 69'
 R = 14.32' - 89'
 L = 168.81' - 95'
 P.I. = 164+22.7

162+49.27 U-38
 EQUATION
 162+55.2 R.O.T. "A" Line

"D" LINE
 A = 22° 53' RT.
 D = 200.00'
 R = 2864.03'
 T = 579.84'
 L = 1144.17'
 P.I. = 165+93.69

N.W. 4
 SEC. 6 N. 4
 T. 5 N. R. 1 W.
 S. 5 L.M.

A.C.P. 6-30-61
 End Forward Tangent
 9+52.79 = P.T. 171+51.15 U-38

U-38 Line
 $\Delta = 67^{\circ}15'11''$
 $D = 4^{\circ}00'$
 $R = 1432.69'$
 $T = 952.81'$
 $L = 1681.25'$
 $P.I. = 164+22.7$

162+49.27 U-38
EQUATION
 162+55.2 "A" LINE P.O.T.

NOTE: Pav. and grade as directed by Engineer

RAISED MED. ISLAND Deleted
 CURB NO. 1-F. ROAD

7+15+ End Taper 22' Lt. R.
 6+73+ End Median - 2' Radius

5+40+ Beg. Taper 30' Rt. R.
 5+40+ Beg. Median - 7' Rad.
 4+90+ Enter to Parking Lot
 Pav. and grade as directed by Engineer
 4+40+ End Median - 1' Road
 4+40+ End Taper 7' Lt.

NOTE: Profile & Grade Forward Taper for See Sht. #2

15+175+14 Beg. Taper =
 P.C. 10+00 Temp. Conn. E.B.L. & W.B.L.
 Temp. Conn. W.B.L. & E.B.L.
 $\Delta = 11^{\circ}32'11''$ Lt. & Rt.
 $D = 7^{\circ}50'$
 $R = 731.44'$
 $T = 73.87'$
 $L = 147.23'$
 $P.I. = 10+73.87$
 $P.L. = 12+23.41$

P.I. 11+41+23 Temp. Conn. W.B.L.
 P.C. 11+49+54 Temp. Conn. W.B.L.
 153+43 2' Radius

P.I. 12+96+77 End Temp. Conn. is 30' Lt. of
 P.C. 15+46+99 U-38
 P.O.T. 15+46+99 "D" Line

156+15+1 Beg. Taper 52' Lt.

158+140+1 End Taper 50' Lt.

10+2+12.10
 Temp. Conn. (W.B.L.)
 Temp. Conn. (E.B.L.)

P.I. 11+41+23 Temp. Conn. (E.B.L.)
 P.C. 11+49+54 Temp. Conn. (E.B.L.)

P.I. 12+96+77 End Temp. Conn. is 30' Rt. of 15+46+99

157+00+1 Beg. Taper 14' Rt.

158+10+1 End Taper 4' Rt.

NOTE: Profile & Grade for "D" Line See Sht. #9

P.C. 160+13+85 "D" Line

"D" Line
 $\Delta = 22^{\circ}53'21''$
 $D = 2^{\circ}00'$
 $R = 2864.03'$
 $T = 579.84'$
 $L = 1144.17'$
 $P.I. = 165+23.69$

163+10+1 9' Radius 5' Lt.

164+12+32 "D" Line =
 -0+30.03 Forward Tangent

164+87+14 Radius

P.I. 164+22.7 U-38

166+60+52+ Beg. Taper 50' Lt.
 4' SHOULDER
 10' DECELERATION LANE
 12' TRAFFIC LANE
 12' TRAFFIC LANE
 28' DEPRESSED MEDIAN
 12' TRAFFIC LANE
 12' TRAFFIC LANE
 10' SHOULDER

3350 SO. ST.

U-38 LINE

"A" LINE

0+36+1 Beg. Median
 2' Radius 5' Rt.

S. 89°54'E

N. 67°13'E

"D" LINE

4' SHOULDER
 10' ACCELERATION LANE
 12' TRAFFIC LANE
 12' TRAFFIC LANE
 18' DEPRESSED MEDIAN
 4' SHOULDER

10' LEFT TURN LANE
 12' TRAFFIC LANE
 12' TRAFFIC LANE
 10' SHOULDER
 4' SHOULDER

4' SHOULDER
 10' DECELERATION LANE
 12' TRAFFIC LANE
 12' TRAFFIC LANE
 28' DEPRESSED MEDIAN

12' TRAFFIC LANE
 12' TRAFFIC LANE
 10' SHOULDER

50' R.
 50' R.

50' R.
 50' R.

50' R.
 50' R.

50' R.
 50' R.

50' R.
 50' R.

50' R.
 50' R.

50' R.
 50' R.

50' R.
 50' R.

50' R.
 50' R.

161

160

160

163

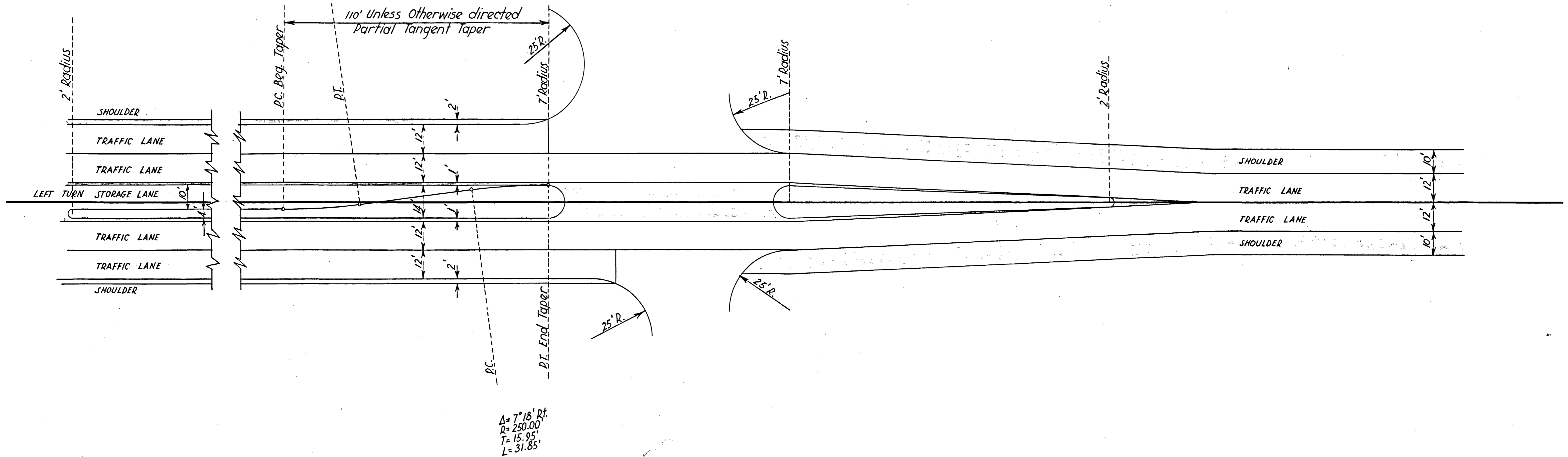
165

170

(SEC. CONTR.) SECTION 1

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	F-037-100	POST WAR	3-B	

$\Delta = 7^{\circ}18' Lt.$
 $R = 250.00'$
 $T = 15.95'$
 $L = 31.85'$



FORWARD TANGENT DE
 TYPICAL MEDIAN AREA DELETED
 LEFT TURN & STORAGE AREA

SHEET _____ OF _____ SHEETS

UTAH STATE ROAD COMMISSION
 SALT LAKE CITY, UTAH
 BRIDGE DEPARTMENT

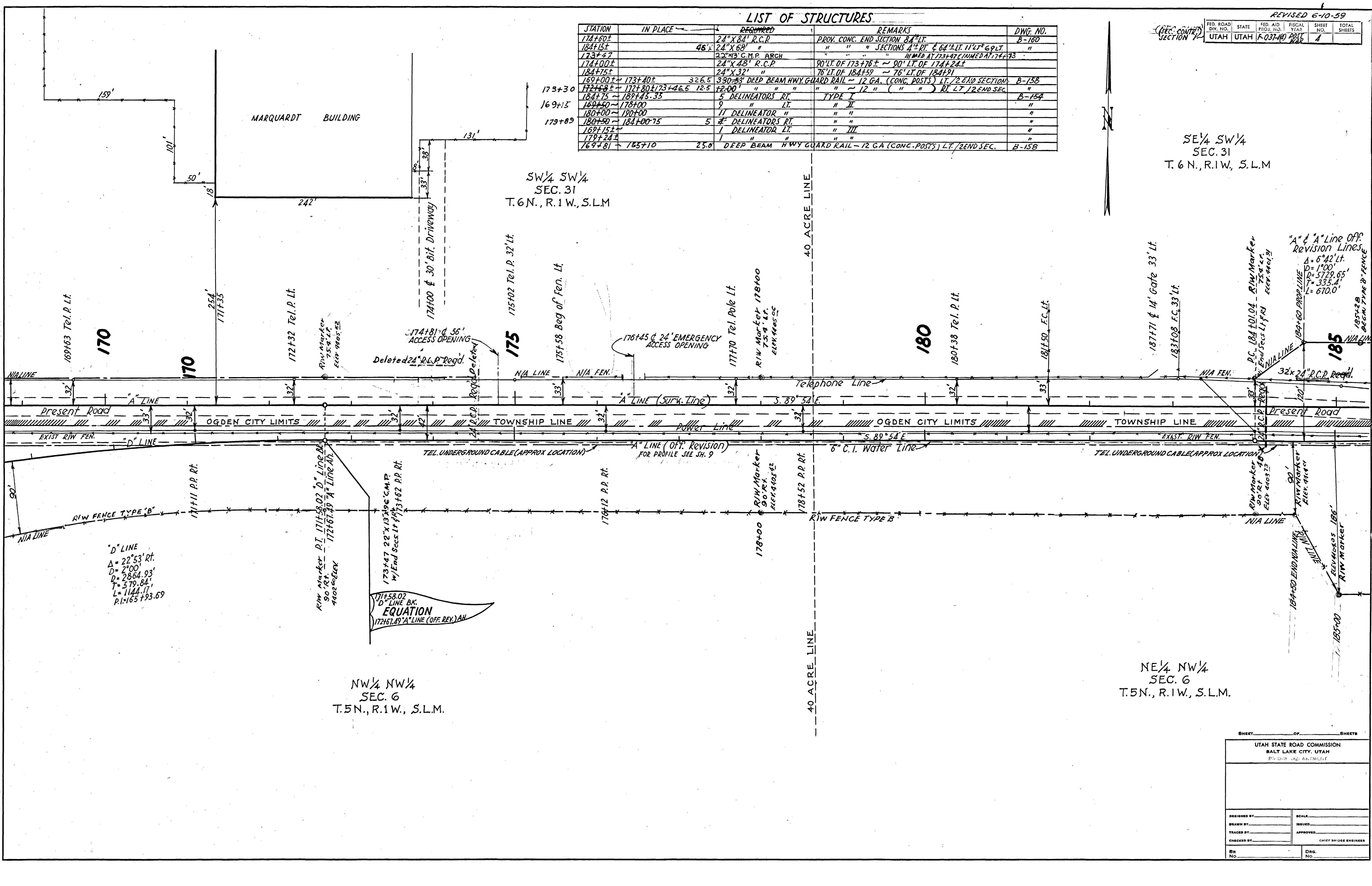
DESIGNED BY _____	SCALE _____
DRAWN BY _____	ISSUED _____
TRACED BY _____	APPROVED _____
CHECKED BY _____	CHIEF BRIDGE ENGINEER
BR No. _____	DRG. No. _____

(SEE CONT'D)
SECTION 72

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	F-037-100	1959	4	

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DWG. NO.
174+60±		24" X 84" R.C.P	PROV. CONC. END SECTION 84" LT.	B-160
184+15±	46" X	24" X 68" " " "	" " " SECTIONS 4± RT. & 64± LT. 112± 69 LT.	"
173+47		22" X 33" C.M.P. ARCH	" " " " " " " " " " " " " " " "	"
174+00±		24" X 48" R.C.P	90° LT. OF 173+76± ~ 90° LT. OF 174+24±	"
184+75±		24" X 32" " " "	76° LT. OF 184+59 ~ 76° LT. OF 184+91	"
169+00± ~ 173+40±	326.5	330-53' DEEP BEAM HWY GUARD RAIL	~ 12 GA. (CONC. POSTS) LT. / 2 END SECTIONS	B-158
172+69± ~ 172+80± / 173+46.5	12.5	12-00' " " "	" " " " " " " " " " " " " " " "	"
184+75 ~ 189+45.35		5 DELINEATORS RT.	" " " " " " " " " " " " " " " "	B-154
169+50 ~ 178+00		9 " " LT.	" " " " " " " " " " " " " " " "	"
180+00 ~ 190+00		11 DELINEATOR " " "	" " " " " " " " " " " " " " " "	"
180+50 ~ 184+00.75		5 " " DELINEATORS RT.	" " " " " " " " " " " " " " " "	"
169+15±		1 DELINEATOR LT.	" " " " " " " " " " " " " " " "	"
179+24±		1 " " " " " " "	" " " " " " " " " " " " " " " "	"
169+81 ~ 185+10	25.0	DEEP BEAM HWY GUARD RAIL	~ 12 GA (CONC. POSTS) LT. / 2 END SEC.	B-158



SW 1/4 SW 1/4
SEC. 31
T. 6 N., R. 1 W., S. 1 M.

SE 1/4 SW 1/4
SEC. 31
T. 6 N., R. 1 W., S. 1 M.

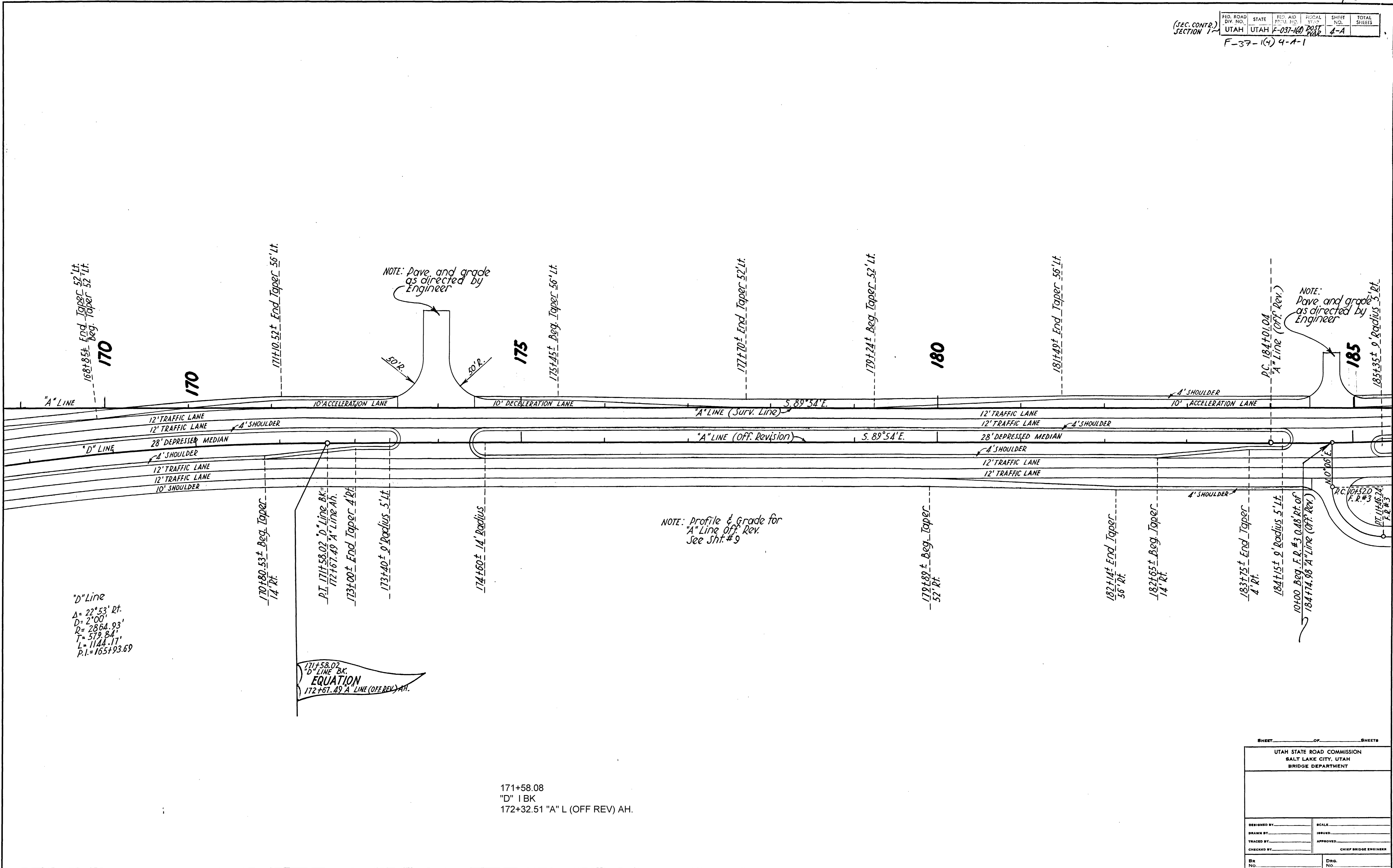
NW 1/4 NW 1/4
SEC. 6
T. 5 N., R. 1 W., S. 1 M.

NE 1/4 NW 1/4
SEC. 6
T. 5 N., R. 1 W., S. 1 M.

D° LINE
Δ = 22° 53' Rt.
D = 2900'
Q = 2864.93'
T = 379.84'
L = 1144.11'
P.I. = 165 + 93.69

171+58.02
D° LINE BK.
EQUATION
172+67.49 A° LINE (OFF. REV.) AN

SHEET OF SHEETS	
UTAH STATE ROAD COMMISSION SALT LAKE CITY, UTAH BY DATE LAST AMENDED	
DESIGNED BY:	SCALE:
DRAWN BY:	ISSUED:
TRACED BY:	APPROVED:
CHECKED BY:	CHIEF BRIDGE ENGINEER
BR. No.	DRG. No.



171+58.08
 "D" I BK
 172+32.51 "A" L (OFF REV) AH.

SHEET _____ OF _____ SHEETS

UTAH STATE ROAD COMMISSION
 SALT LAKE CITY, UTAH
 BRIDGE DEPARTMENT

DESIGNED BY _____	SCALE _____
DRAWN BY _____	ISSUED _____
TRACED BY _____	APPROVED _____
CHECKED BY _____	CHIEF BRIDGE ENGINEER
BR. NO. _____	DRG. NO. _____

SEC. COMP. SECTION	RD. NO. DIV. NO.	STATE	RD. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	UTAH	UTAH	F-037-K0	1975	6-A	

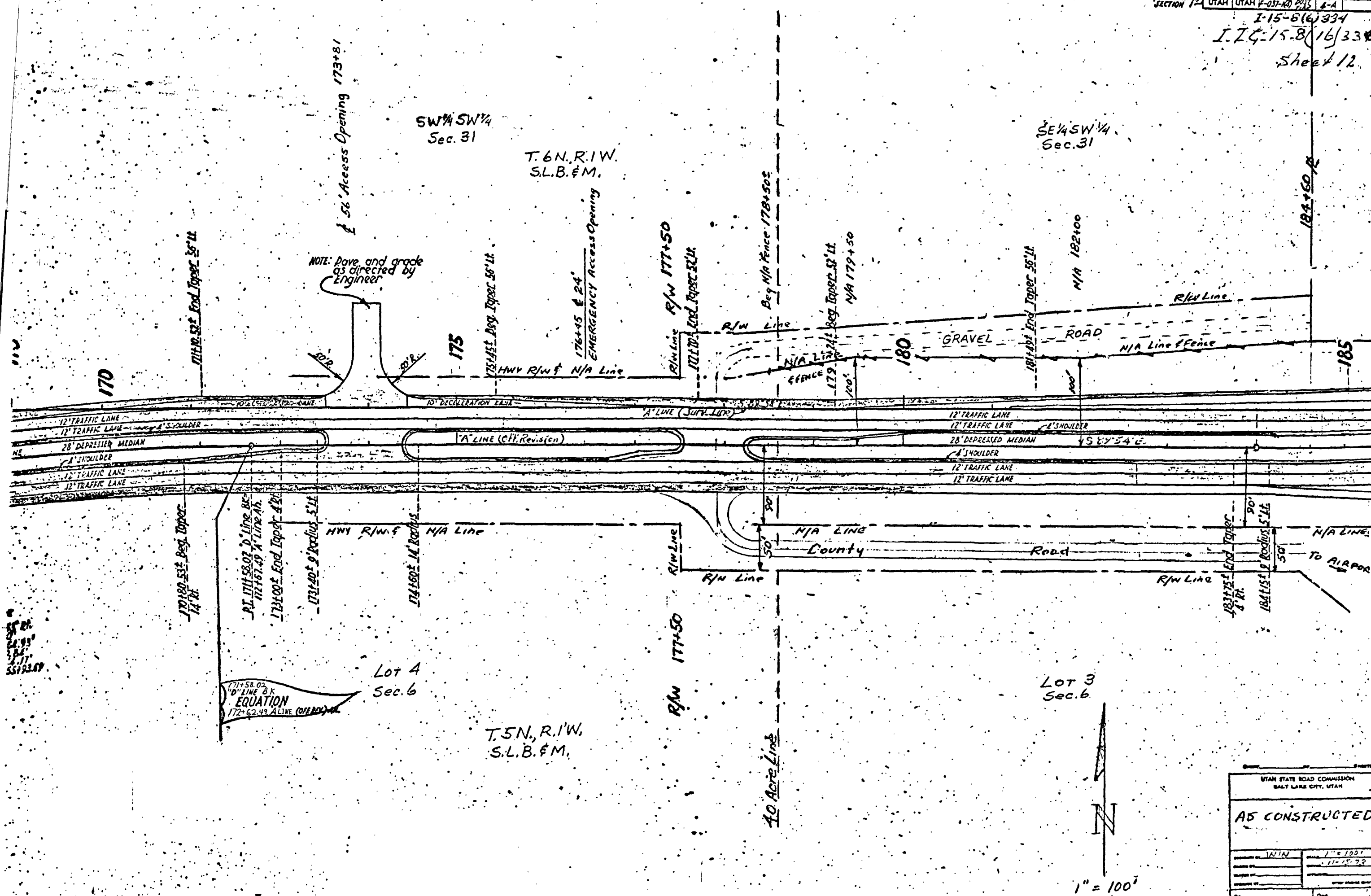
I-15-8(6)334
 I-74-15-8(16)334
 Sheet 12

SW 1/4 SW 1/4
 Sec. 31

T. 6 N., R. 1 W.
 S.L.B. & M.

SE 1/4 SW 1/4
 Sec. 31

NOTE: Dope and grade as directed by Engineer

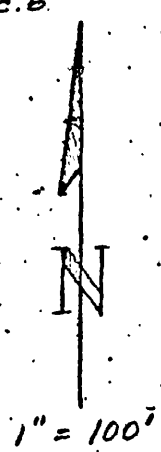


171+58.02
 10' LINE BK
 EQUATION
 172+62.49 ALINE (OVER) - 11'

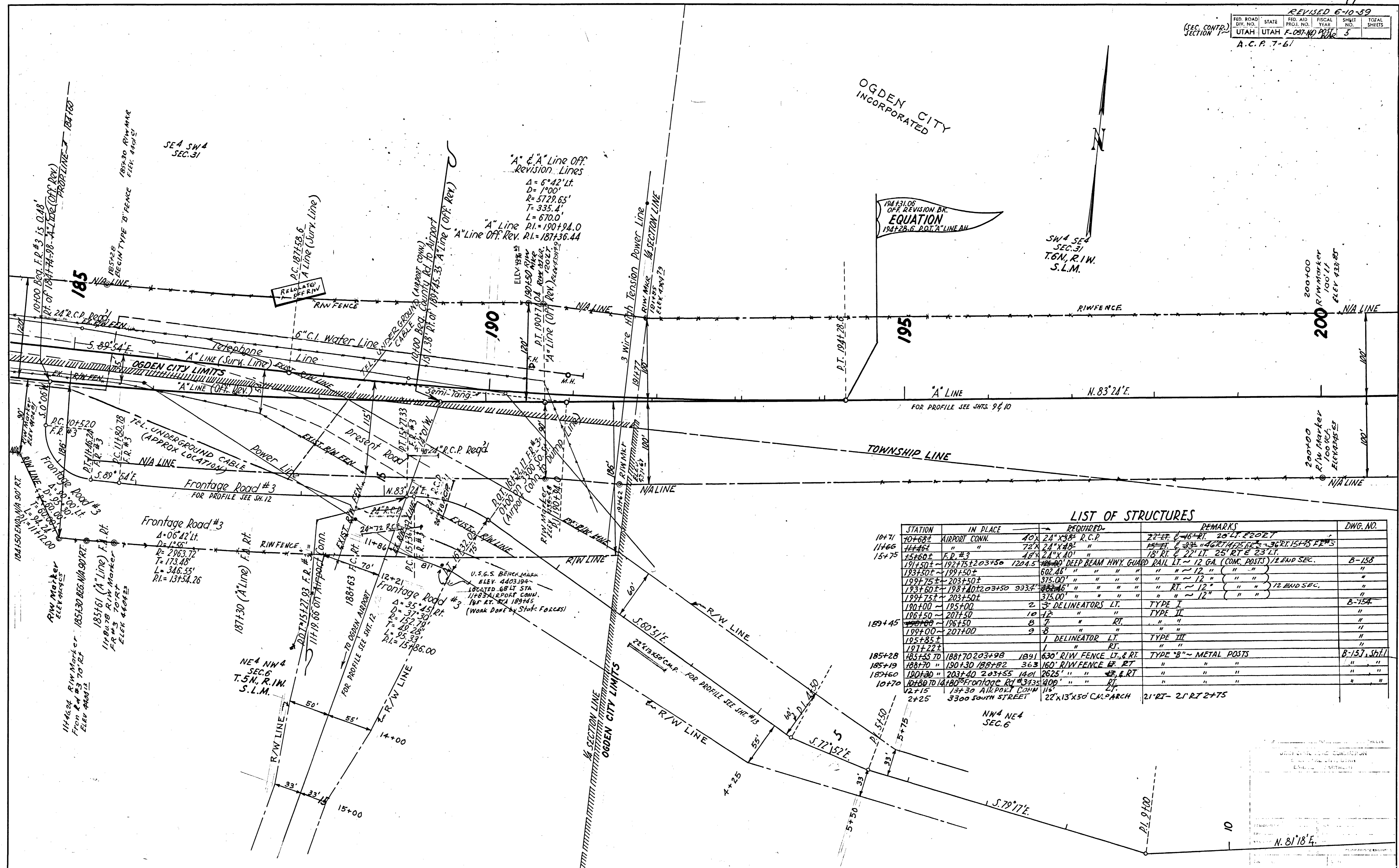
Lot 4
 Sec. 6

T. 5 N., R. 1 W.
 S.L.B. & M.

Lot 3
 Sec. 6



UTAH STATE ROAD COMMISSION SALT LAKE CITY, UTAH	
AS CONSTRUCTED	
DESIGNED BY: WIN	SCALE: 1" = 100'
DRAWN BY:	DATE: 11-15-72
CHECKED BY:	
DATE:	
BY:	DATE:
NO.:	NO.:



"A" & "A" Line Off. Revision Lines

$\Delta = 6^\circ 42' 14''$
 $D = 100'$
 $R = 5729.65'$
 $T = 335.4'$
 $L = 670.0'$

"A" Line
 P.I. = 190+94.0

"A" Line Off. Rev. P.I. = 187+36.44

194+31.06 OFF. REVISION BK. EQUATION 194+28.6 POINT "A" LINE BK.

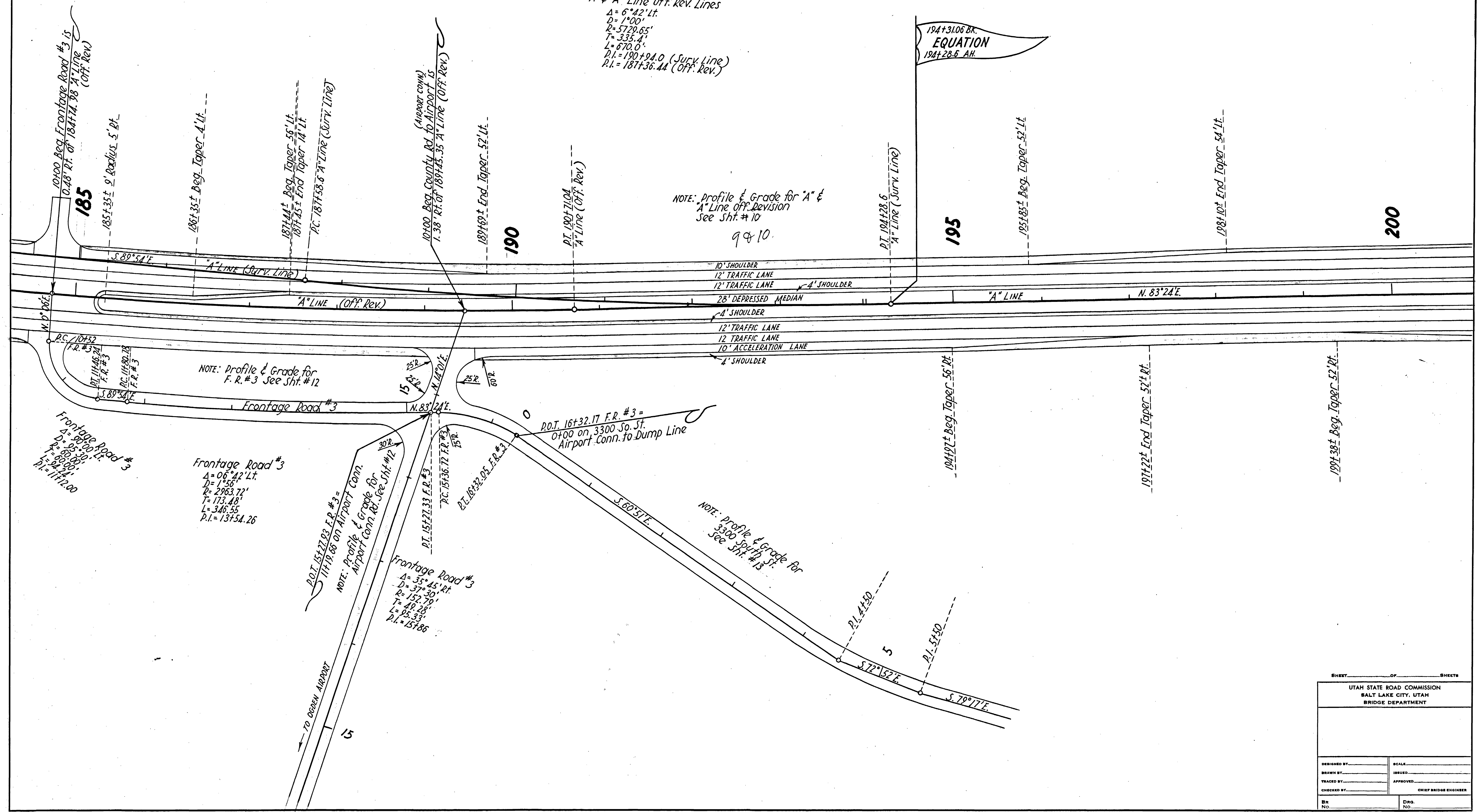
LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DWG. NO.
10+71	10+68± AIRPORT CONN.	40' 24" x 38" R.C.P.	27' RT. 6-16± RT. 20' LT. 22± RT.	
11+66	" "	72" 24" x 48" "	" " 27' RT. 6-33± " " 17± RT. 15± RT.	
13+75	13+60± F.R. #3	48" 24" x 40" "	18' RT. & 22' LT. 25' RT. & 23' LT.	
191+50±	192+75± 203+50	124.5' 24" x 40" "	DEEP BEAM HWY. GUARD RAIL LT. ~ 12 GA. (CONC. POSTS) 1/2 END SEC.	B-158
193+50±	199+50±	602.46' " " " "	" " ~ 12" " "	
199+75±	203+50±	375.00' " " " "	" " ~ 12" " "	
193+60±	198+40± 203+50	933.4' 24" x 46" "	" " RT. ~ 12" " " 12 END SEC.	
199+75±	203+50±	375.00' " " " "	" " ~ 12" " "	
190+00	195+00	2' 3" DELINEATOR LT.	TYPE I	B-754
196+50	207+50	10' 12" " " "	TYPE II	" "
199+00	196+50	8' 7" " " "	" " "	" "
199+00	207+00	9' 8" " " "	" " "	" "
195+85±		1' DELINEATOR LT.	TYPE III	" "
197+22±			" " "	" "
185+28	185+55 TO 188+70 203+98	1891' 630' R/W FENCE LT. & RT.	TYPE "B" ~ METAL POSTS	B-157, SH. 11
185+19	188+70 "	363' 160' R/W FENCE LT. & RT.	" " " "	" "
187+60	180+30 "	1421' 2625' " " "	" " " "	" "
10+70	10+80 TO 14+80±	Frontage Rd #3 400' "	" " " "	" "
12+15	13+30 AIRPORT CONN.	114' "	" " " "	" "
2+25	3300 SOUTH STREET	22' x 13' x 50' CM. ARCH	21' RT. 21' RT. 2+75	

N. 81° 18' E.

"A" & "A" Line Off. Rev. Lines
 $\Delta = 6^{\circ}42' Lt.$
 $D = 1^{\circ}00'$
 $R = 5729.65'$
 $T = 335.4'$
 $L = 670.0'$
 $P.I. = 190+94.0$ (Surv. Line)
 $P.I. = 187+36.44$ (Off. Rev.)

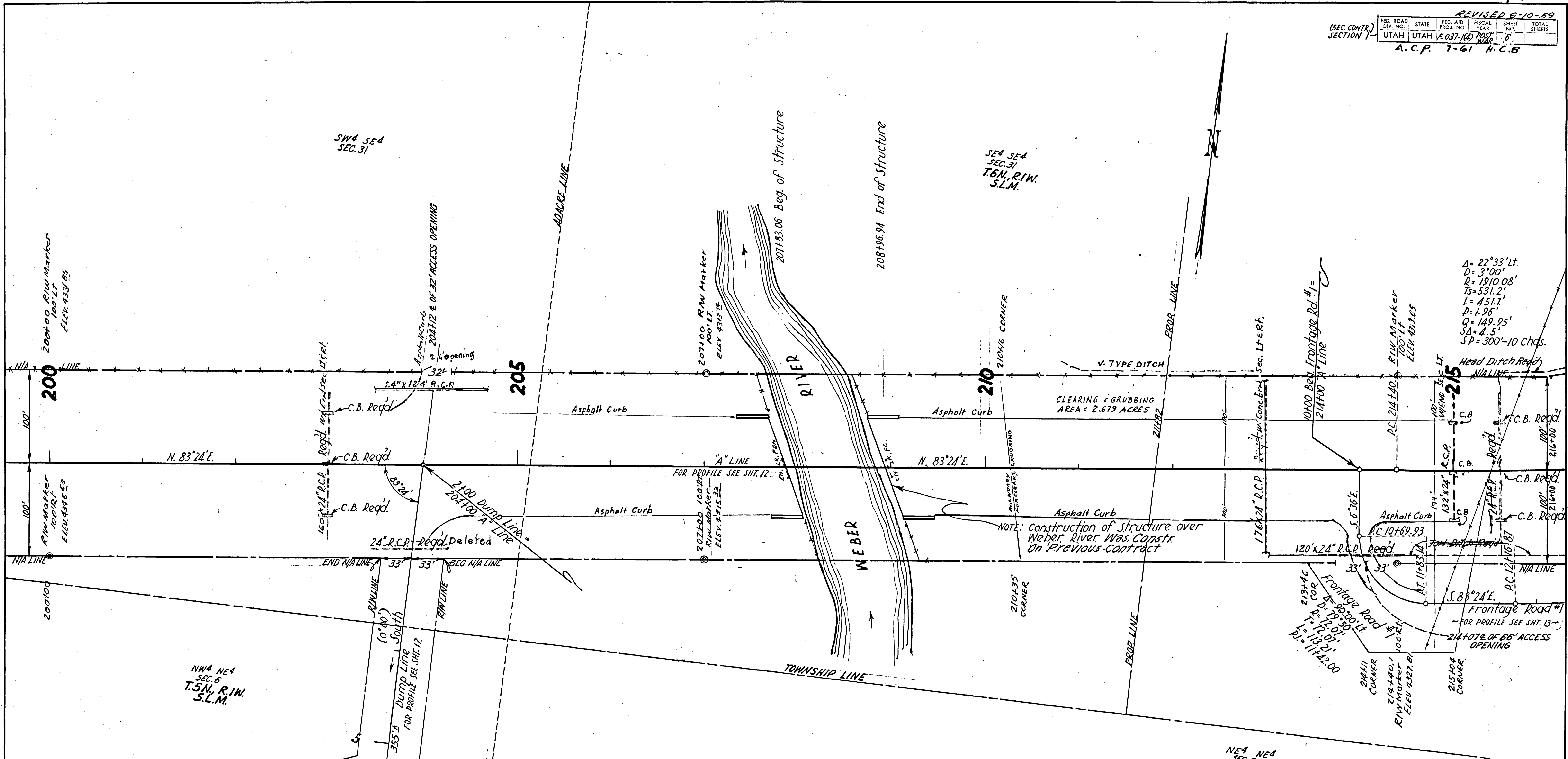
NOTE: Profile & Grade for "A" & "A" Line off. Revision See Sht. #10
 9 & 10



SHEET _____ OF _____ SHEETS

UTAH STATE ROAD COMMISSION
 SALT LAKE CITY, UTAH
 BRIDGE DEPARTMENT

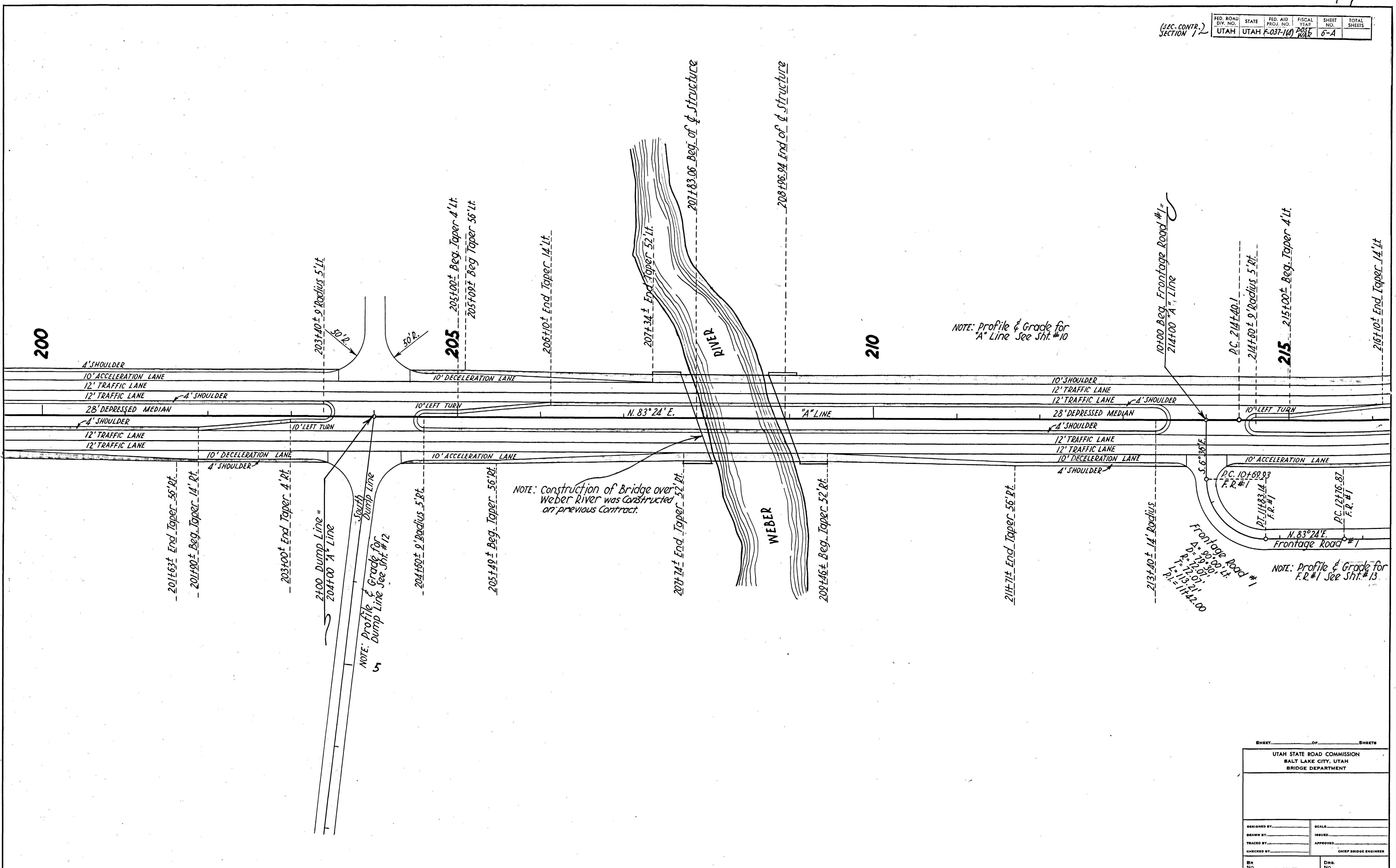
DESIGNED BY _____	SCALE _____
DRAWN BY _____	ISSUED _____
TRACED BY _____	APPROVED _____
CHECKED BY _____	CHIEF BRIDGE ENGINEER
BR No. _____	DRG. No. _____



$A = 22^{\circ}33' Lt.$
 $D = 3^{\circ}00'$
 $R = 1910.08'$
 $Ts = 531.2'$
 $L = 451.7'$
 $P = 1.96'$
 $Q = 149.95'$
 $SA = 4.5'$
 $SP = 300'-10 chds.$

LIST OF STRUCTURES

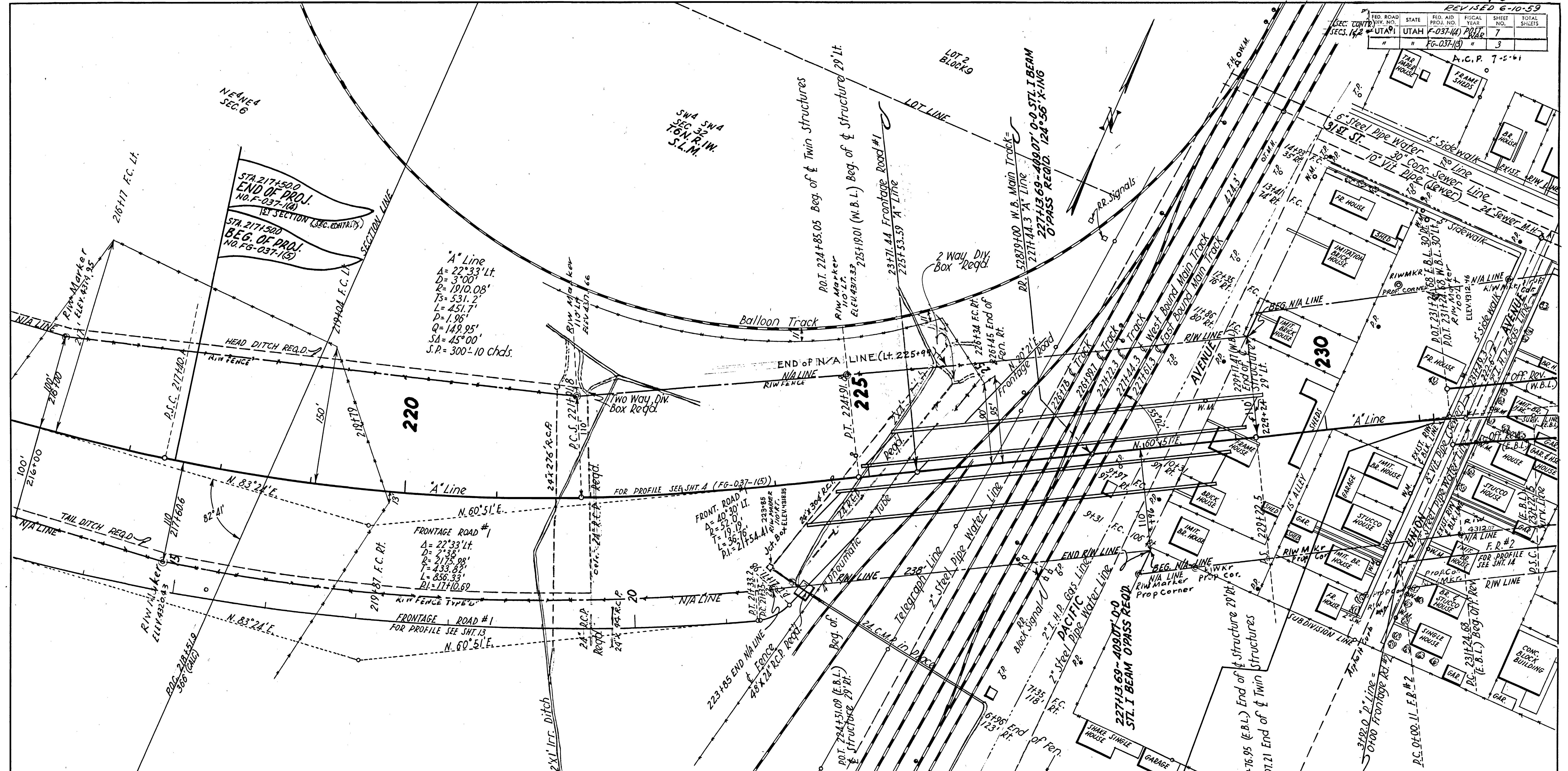
STATION	IN PLACE	REQUIRED	REMARKS R.O.T	DWG. NO.	STA TO STA	IN PLACE
203+00±		24" x 132" R.C.P.	PROV. CONC. END SECTION 78' LT. & 80' RT.	B-160	204+31 ~ 207+83	E.B.L. 346 MACHINE LAYED BITUM. CURB.
213+00±		24" x 176" "	" " " SECTIONS 88' RT. & 88' LT.	"	209+28 ~ 213+30	E.B.L. 402' "
215+50±		24" x 136" x 132" R.C.P.	" " " SECTION 82' LT.	"	214+40 ~ 215+12	E.B.L. 72' "
0+90±	DUMP LINE	24" x 80" x 124" R.C.P.	" " " "	"	203+02 ~ 203+13	W.B.L. 71' "
10+88±	F.R.#1	24" x 92" x 120" R.C.P.	" " " "	"	204+60 ~ 204+31	W.B.L. 271' "
203+00±		3 CATCH BASINS	PLACE IN ROLLED GUTTERS & IN MEDIAN	V-750, L-20, B-19	209+10 ~ 215+00	W.B.L. 590' "
215+50±		3 "	" " " "	V-750, L-24, B-21	510+52 ~ 11779	FR.# 1 127' "
204+50± ~ 207+34±		287' 284-80" DEEP BEAM HWY. GUARD RAIL LT. ~ 12 GA. (CONC. POSTS)	" " " "	B-152	10+52 ~ 11+40	FR.#1 89' "
209+10± ~ 217+50		838.0 848-80" " " " " " " " " " "	" " " "	"	0+43 ~ 0+82	FR.# 39' "
204+50± ~ 207+74±	79	325.0 324.00" " " " " " " " " " "	" " " "	"	2+51 ~ 3+04	GARB DUMP CONN 50' "
209+46± ~ 213+50±		408.0 404.00" " " " " " " " " " "	" " " "	"	0+22 ~ 1+35	" 117' "
214+50± ~ 217+50±		306.3 300-80" " " " " " " " " " "	" " " "	"	1+18	GARBAGE DUMP CONN 24" x 124" R.C.P. 64' LT. @ 60' RT.
209+00± ~ 217+50		11 9' DELINEATORS RT.	TYPE II	B-154	2+38	2-18' GARBAGE POSTS 100' LT. 204+82 100' RT.
207+50±		1 DELINEATOR RT.	" III	"	"	"
204+60 ~ 207+85	54	378' 658' R.I.W. FENCE RT. & LT.	TYPE "B" - METAL POSTS	B-157, Sht. 1	"	"
204+21 ~ 208+25	208+26	454 870' " " RT. & LT.	" " " "	"	"	"
209+32 ~ 213+30	213+76	474 448' " " LT.	" " " "	"	"	"
208+56 ~ 214+70	213+42	1866 580' " " RT. & LT.	" " " "	"	"	"
10+80 ~ 21+50	Frontage Rd. #1	1070' " " RT.	" " " "	"	"	"
208+00 ~ 217+30		7 DELINEATORS LT.	TYPE I	B-154	"	"
207+85± ~ 208+96		23' EACH CHAIN LINK FENCE ~ 6' HIGH	"	B-155	"	"
3+02 ~ 7+30	GARBAGE DUMP	428' R.I.W. FENCE RT.	TYPE "B" METAL POSTS	B-157 Sht. 1	"	"
2+97 ~ 1+30		433' R.I.W. FENCE LT.	"	"	"	"
214+63 ~ 223+97		982' " " RT.	"	"	"	"



SHEET _____ OF _____ SHEETS

UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

DESIGNED BY: _____	SCALE: _____
DRAWN BY: _____	ISSUED: _____
TRACED BY: _____	APPROVED: _____
CHECKED BY: _____	CHIEF BRIDGE ENGINEER
BR No. _____	DRG. No. _____



LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DWG. NO.
222+00	221+65	216	24" x 22 1/2" R.C.P.	B-160
224+22	224+75	304	24" x 276"	
191+50	V.R. #1 19+77	434	24" x 52"	
222+15	25	481	24" x 25" C.M.P.	
222+00	221+65	2	WAY DIVERSION BOX	
222+75	223+90	JCT. BOX	100' RT. 10' RT.	
226+00	226+97	2	WAY DIVERSION BOX	
222+13.69			4807'-0" STL. I BEAM O'PASS 124' 56" X-ING	
231+15	234+24	60 WBL	3430 9.6" DEEP BEAM HWY. G.R. 47-12 GA. (CONC. POSTS) RT.	
231+15	231+24	60 WBL	19.5 EBL 3025 9.6" " " " " "	
231+15	243+50	W.B.L.	12 " " RT-12 " " "	
231+15	242+34	E.B.L.	18 " " TYPE I " " "	B-154
231+15	242+34	E.B.L.	15 " " RT " " "	"
217+50	225+50	224+31	13 " " " " "	"
228+50	231+15		7 " " " " "	"
217+50	225+50	W.B.L.	18 " " " " "	"
231+15	232+50	W.B.L.	12 " " RT LT " " "	"
196+50	207+50	W.B.L.	10 " " LT " " "	"
209+17	217+50	W.B.L.	13 " " LT " " "	"
234+60				"

217+50 ~ 224+90	1480'	RIV FENCE RT. & LT.	TYPE "R" ~ METAL POSTS	B-157, SHT. 4
228+50 ~ 231+15	265'	CHAIN-LINK FENCE	RT-6" HIGH	B-155
229+40 ~ 231+75	175'	" " " " "	LT-6" HIGH	"
231+15 ~ 233+80	E-B.L.	265'	CHAIN-LINK FENCE RT-6" HIGH	B-155
231+15 ~ 232+60	W.B.L.	145'	" " " " " " " " "	"
228+69 ~ 231+15		246'	DEEP BEAM HWY. GUARD RAIL RT-12 GA. (CONC. POSTS)	B-158
221+63		1	DELINATOR RT. TYPE III	B-158
217+50 ~ 224+96	749	783'	DEEP BEAM HWY. GUARD RAIL LT-12 GA. (CONC. POSTS) WITH 1 END SEC.	B-158
229+35 ~ 231+15	178	180'	" " " " " " " " "	"
217+50 ~ 224+31 1/2	684.5		" " " " " " " " "	"
110+58 ~ 12+03	PR. RD. #1	179.0	" " " " " " " " "	"

DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 BR. NO. _____

SCALE: _____
 ISSUED: _____
 APPROVED: _____
 CHIEF ENGINEER

UTAH STATE ROAD COMMISSION
 BALT LAKE CITY, UTAH

(SEC. CONTR.)
SECTION 1 & 2

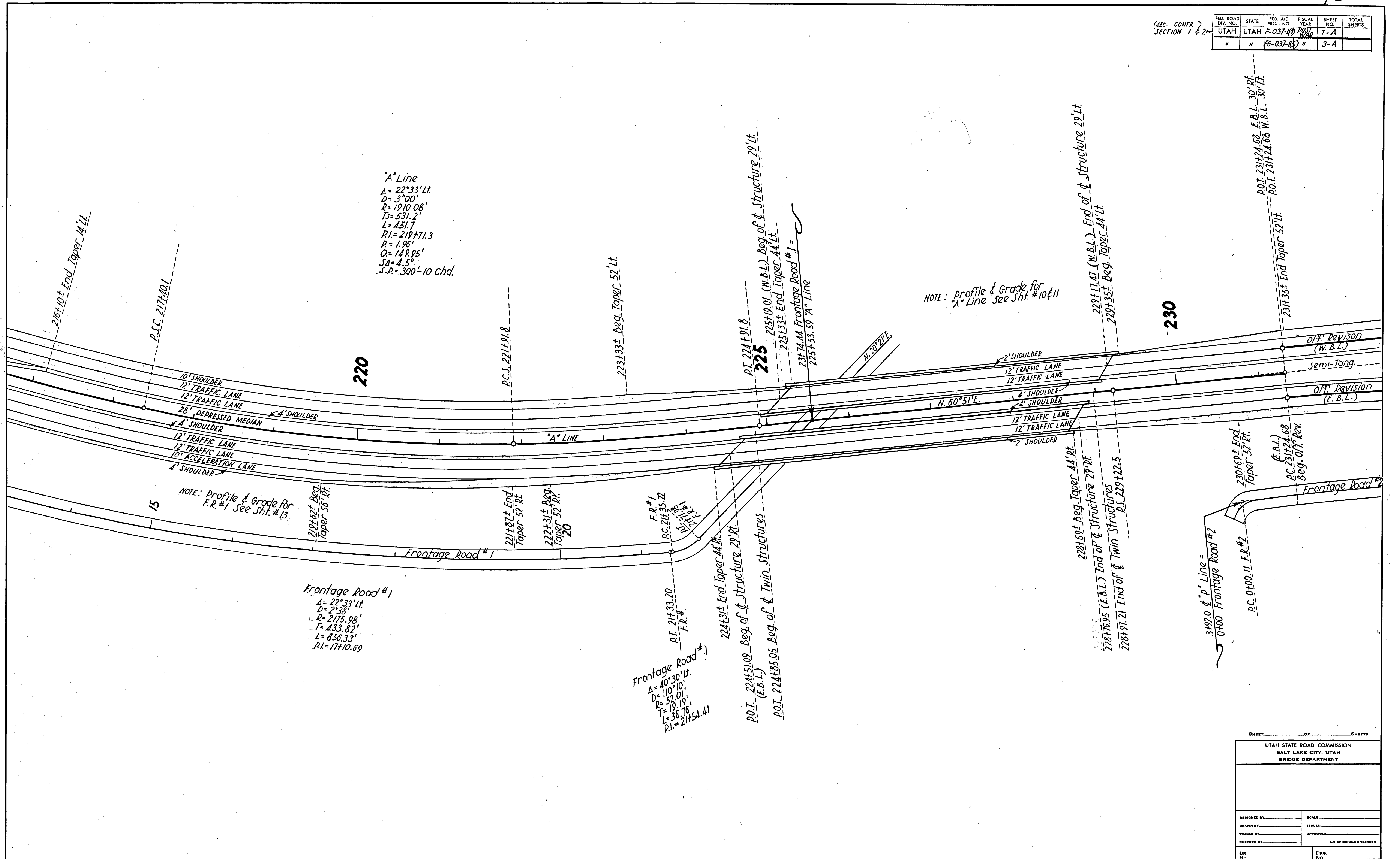
FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	F-037-10	POST 1960	7-A	
#	#	F6-037-15	#	3-A	

"A" Line
 $\Delta = 22^\circ 33' Lt.$
 $D = 3^\circ 00'$
 $R = 1910.08'$
 $T = 531.2'$
 $L = 451.7'$
 $P.I. = 219+71.3$
 $R = 1.96'$
 $O = 149.95'$
 $SA = 4.5^\circ$
 $S.P. = 300-10 chd.$

Frontage Road #1
 $\Delta = 22^\circ 33' Lt.$
 $D = 2^\circ 33'$
 $R = 2175.98'$
 $T = 433.82'$
 $L = 856.33'$
 $P.I. = 17+10.69$

Frontage Road #1
 $\Delta = 40^\circ 30' Lt.$
 $D = 110^\circ 10'$
 $R = 52.01'$
 $T = 19.19'$
 $L = 36.76'$
 $P.I. = 21+54.41$

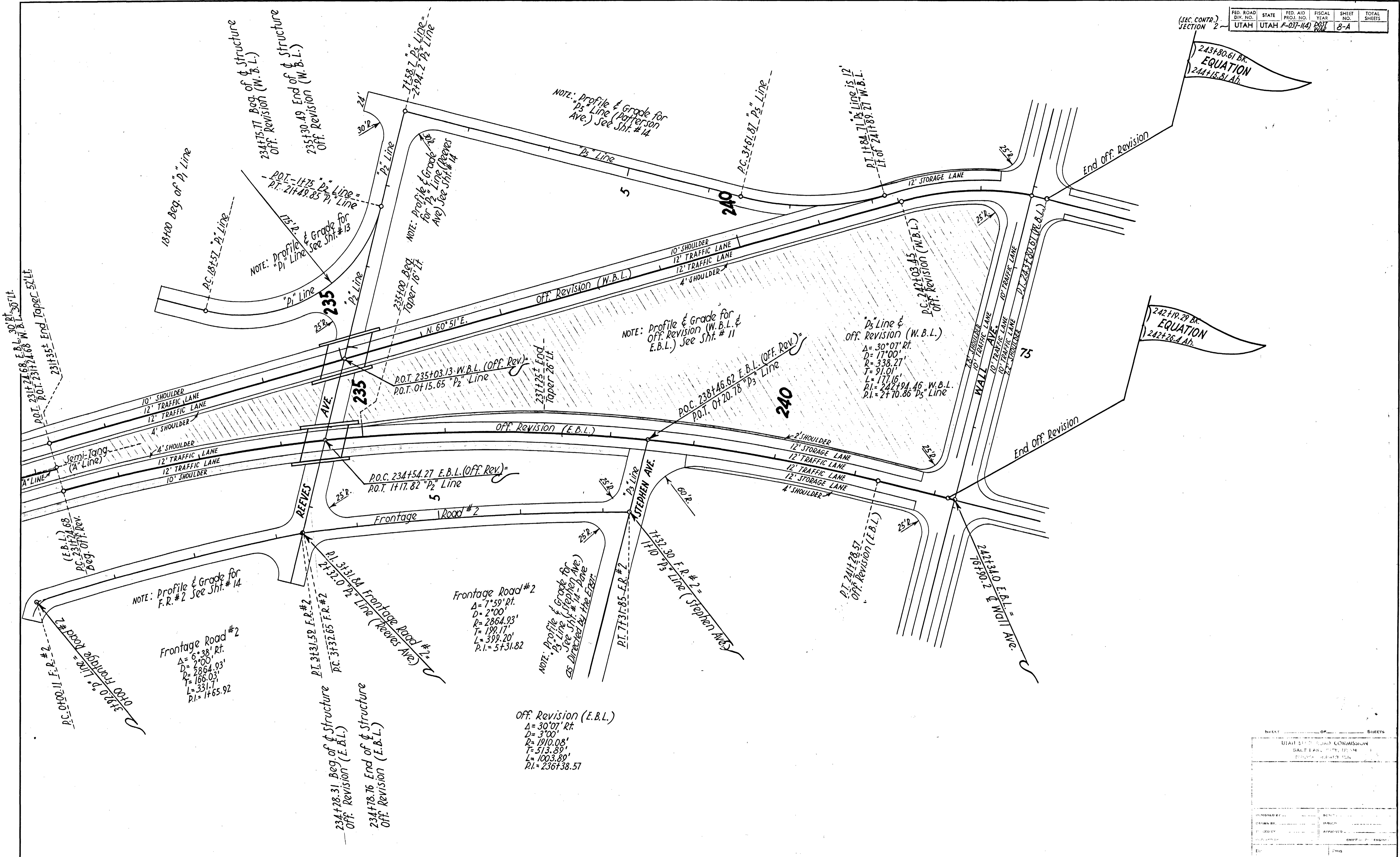
NOTE: profile & grade for "A" Line see Sht. #10 & 11



SHEET _____ OF _____ SHEETS

UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

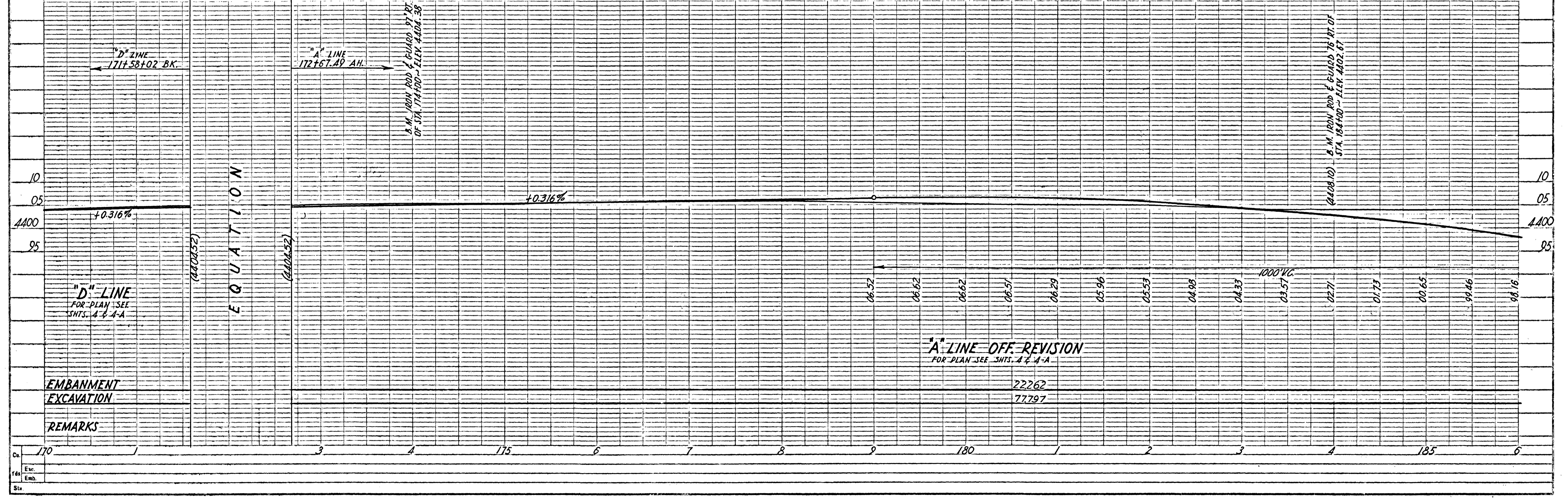
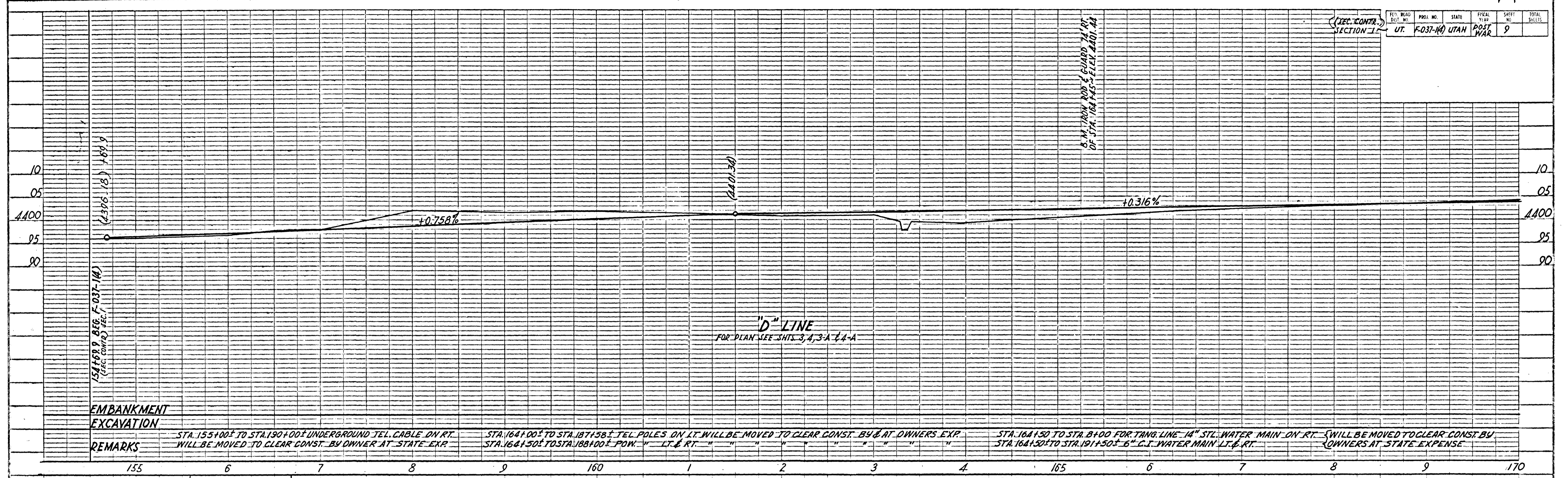
DESIGNED BY: _____	SCALE: _____
DRAWN BY: _____	ISSUED: _____
TRACED BY: _____	APPROVED: _____
CHECKED BY: _____	CHIEF BRIDGE ENGINEER
BR. No. _____	DRG. No. _____



243+80.61 Bk. EQUATION
244+15.81 Ad.

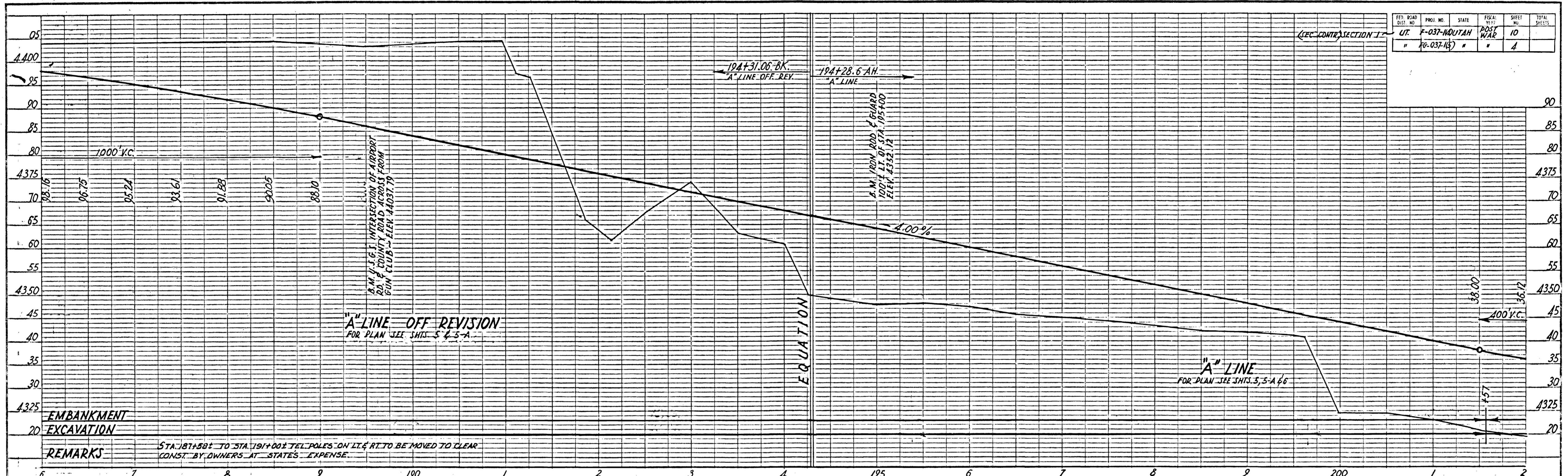
242+19.29 Bk. EQUATION
242+26.4 Ad.

DESIGNED BY	CHECKED
DRAWN BY	ISSUED
APPROVED BY	APPROVED
DATE	CHIEF ENGINEER



Sta.	170	175	180	185
Exc.				
Emb.				
Sis.				

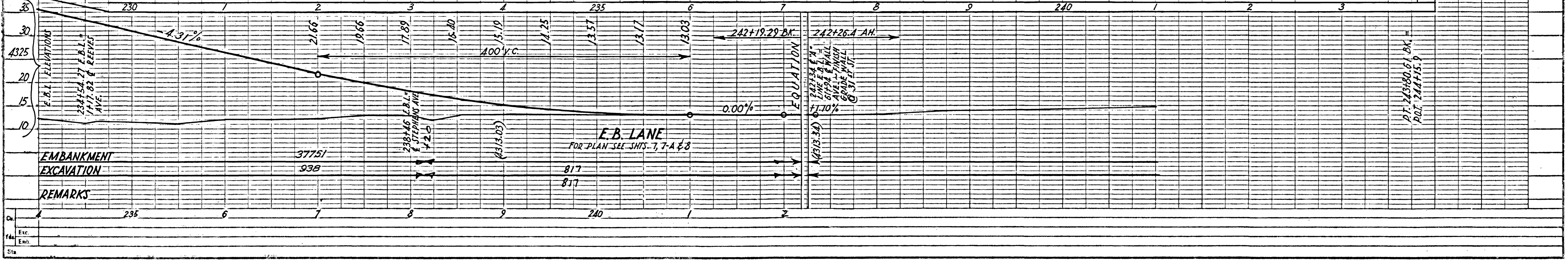
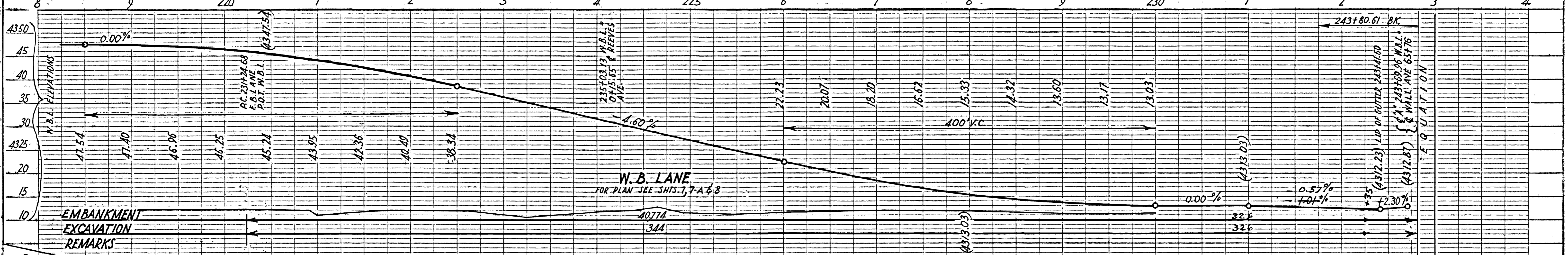
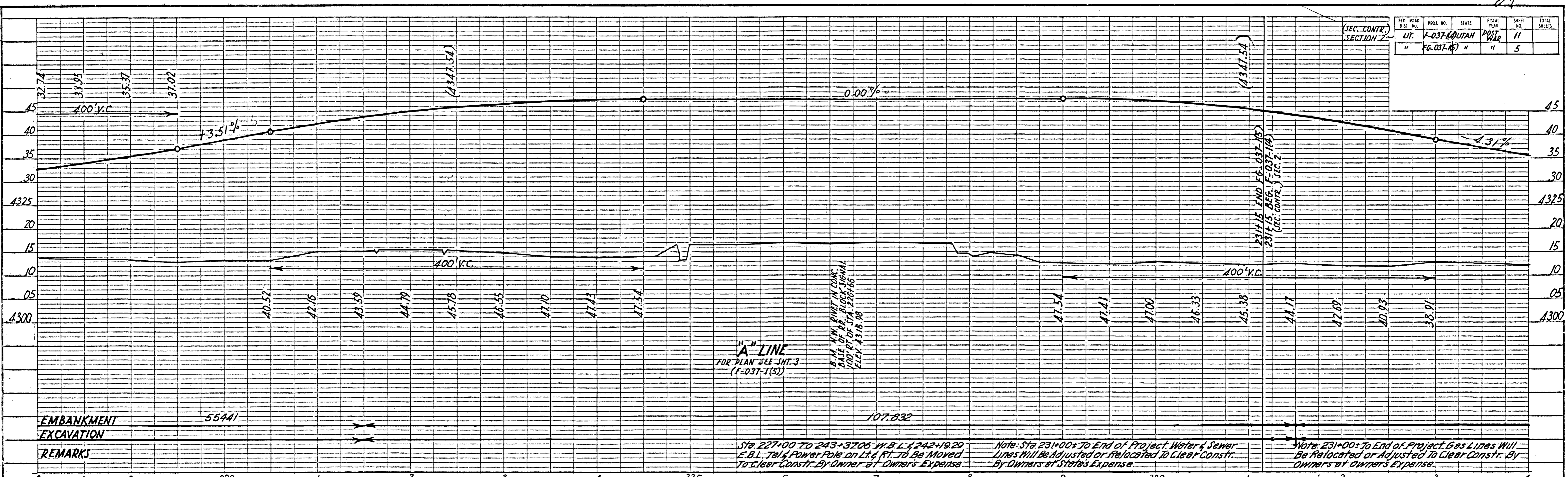
FED. ROAD DIST. NO.	PROJ. NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UT.	F-037-NAUTAH	POST WAR		10	
"	FG-037-143	"	"	A	



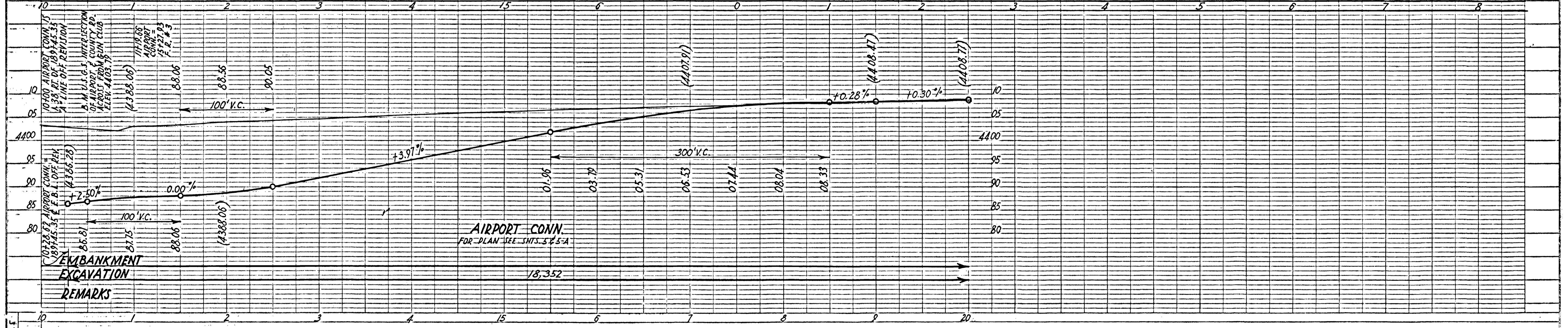
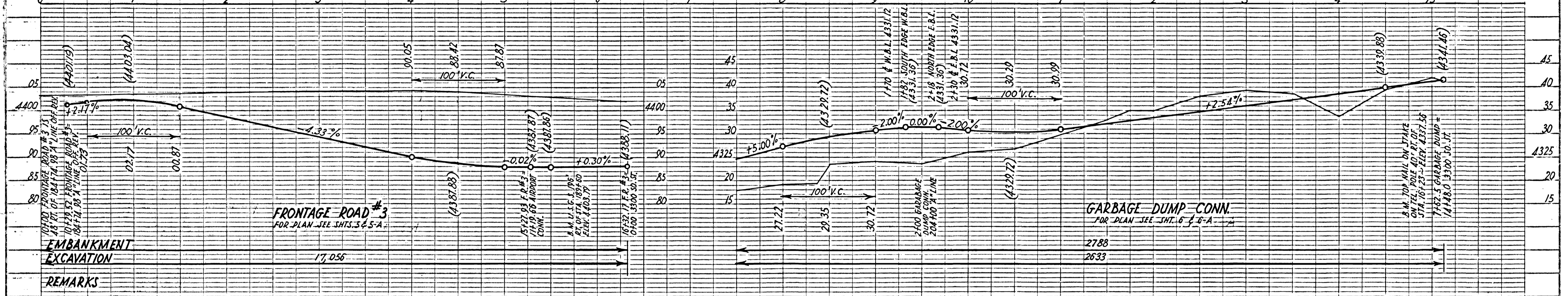
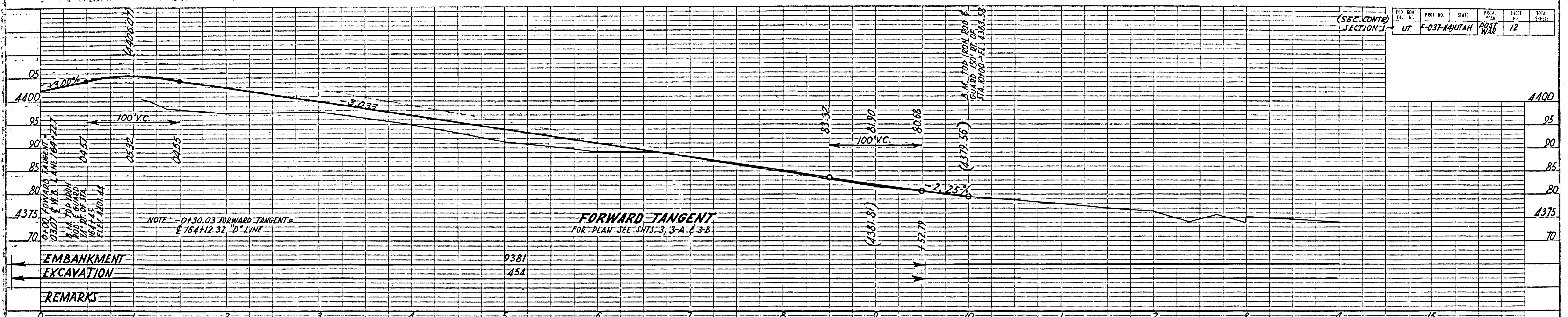
Cu
Etc.
Yds
Emb.
Sta.

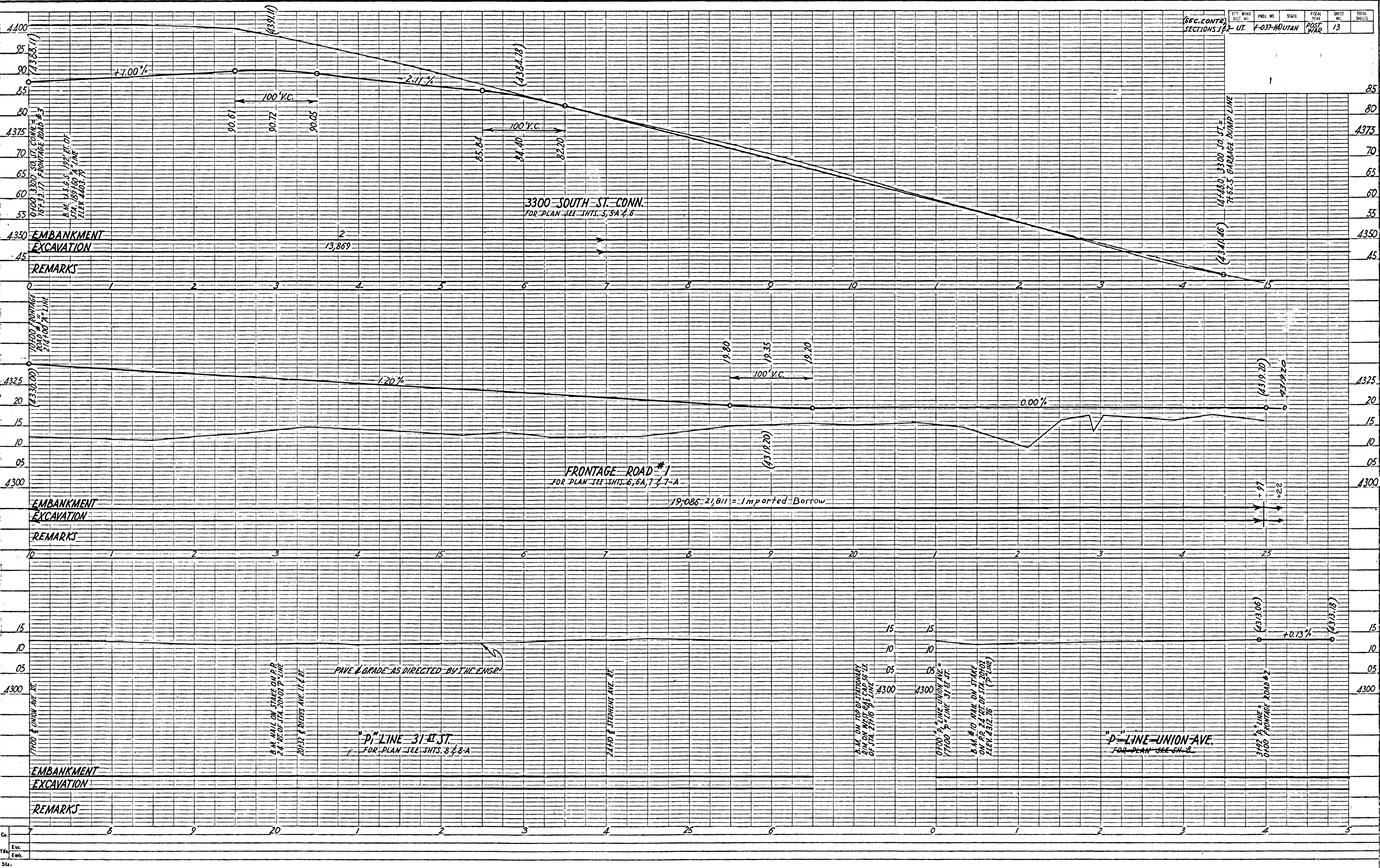
(SEC. CONTR.) SECTION 2

FED. ROAD DIST. NO.	PROJ. NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UT.	F-037-KUTAH	UTAH	POST WAR	11	
"	FG-037-15	"	"	5	

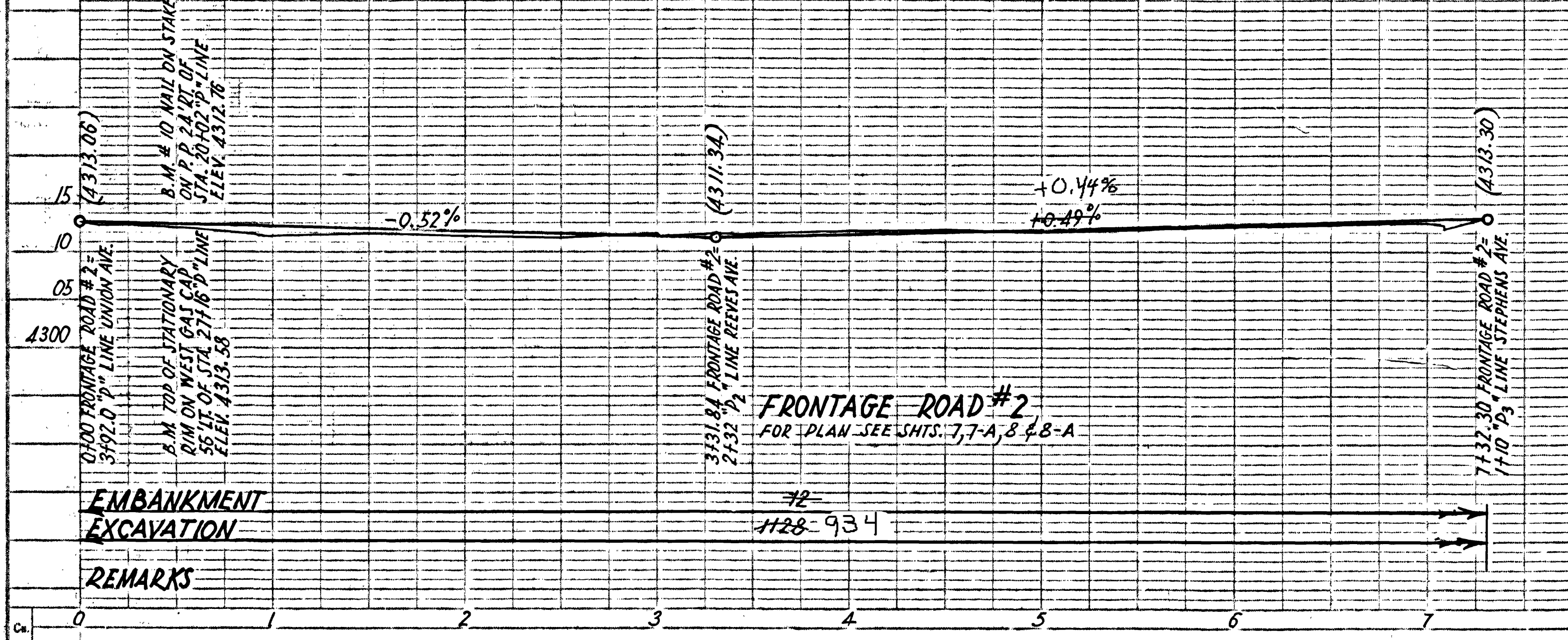
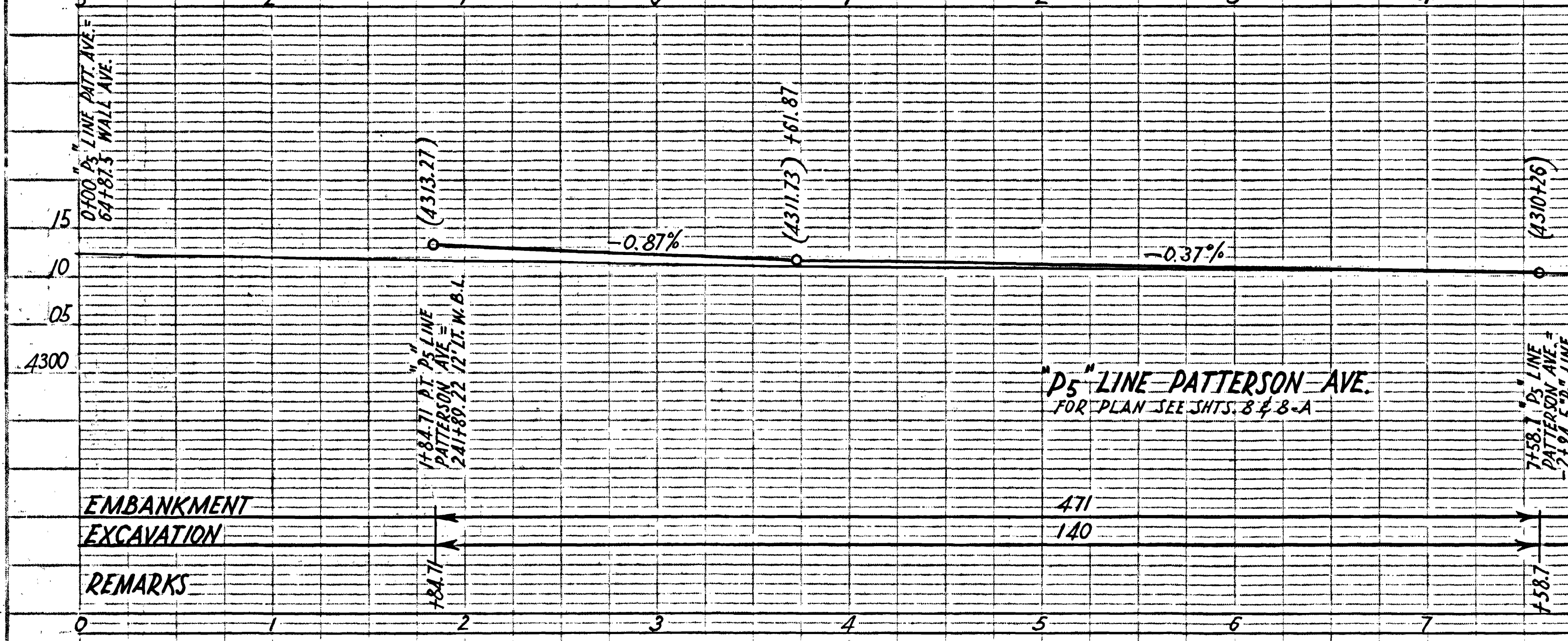
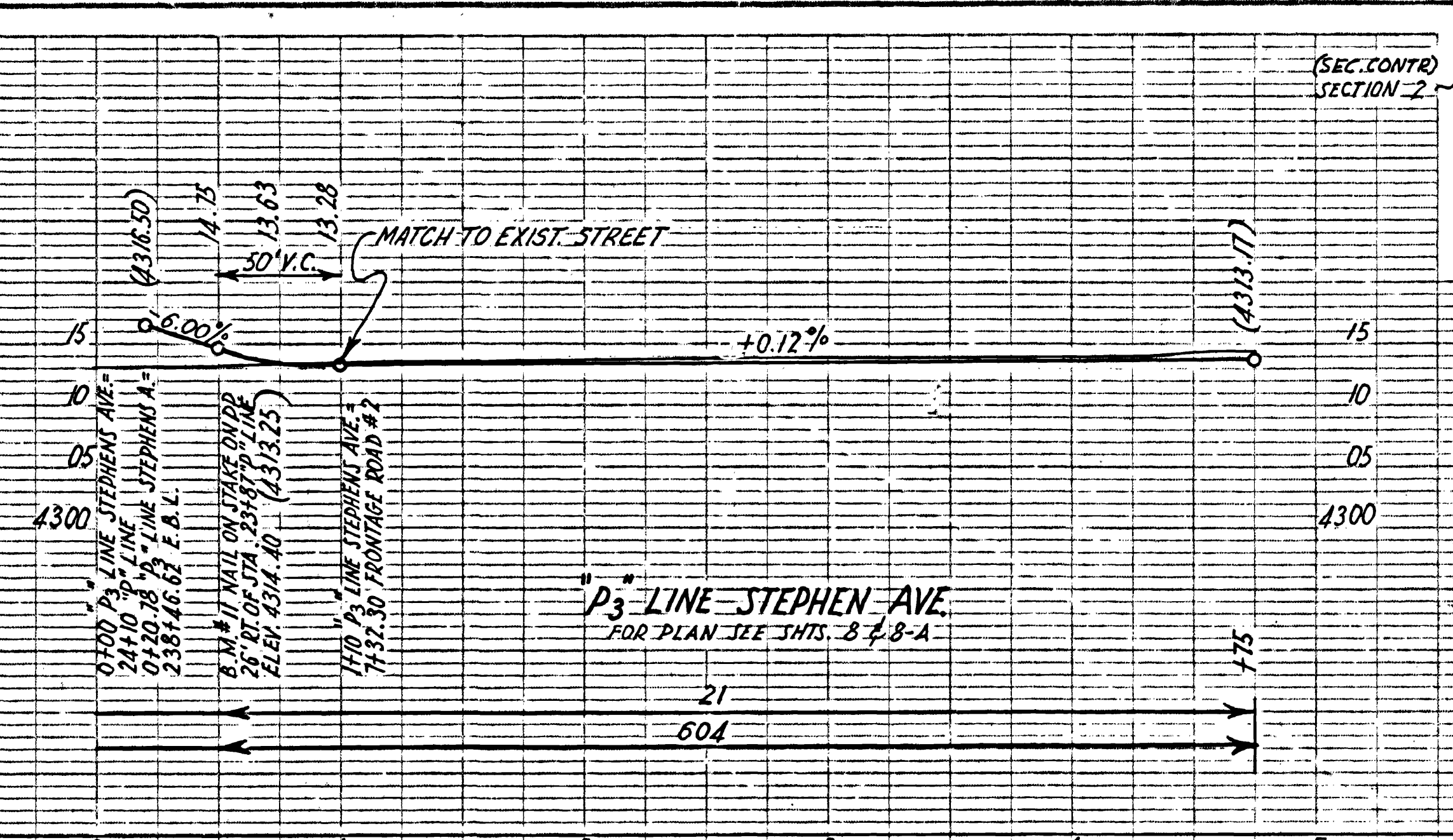
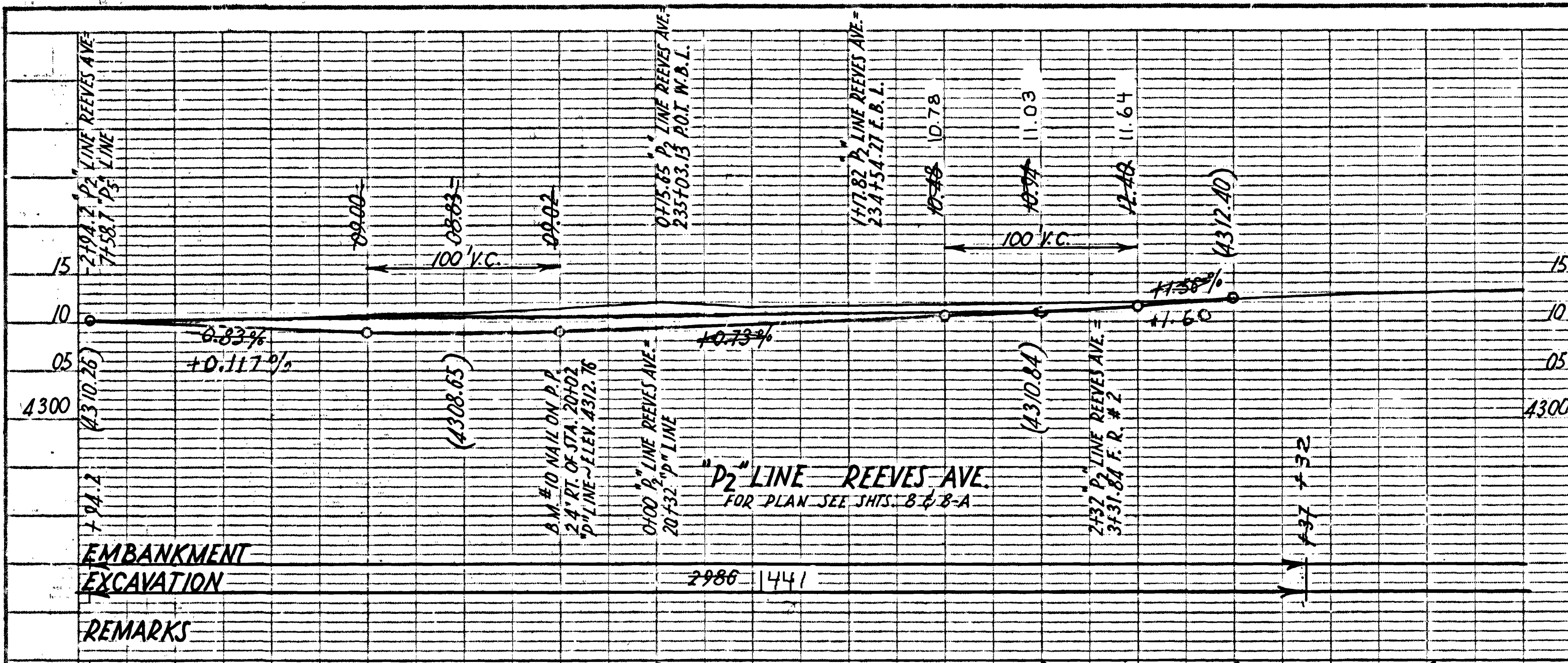


Sta.
Etc.
Elev.
Site

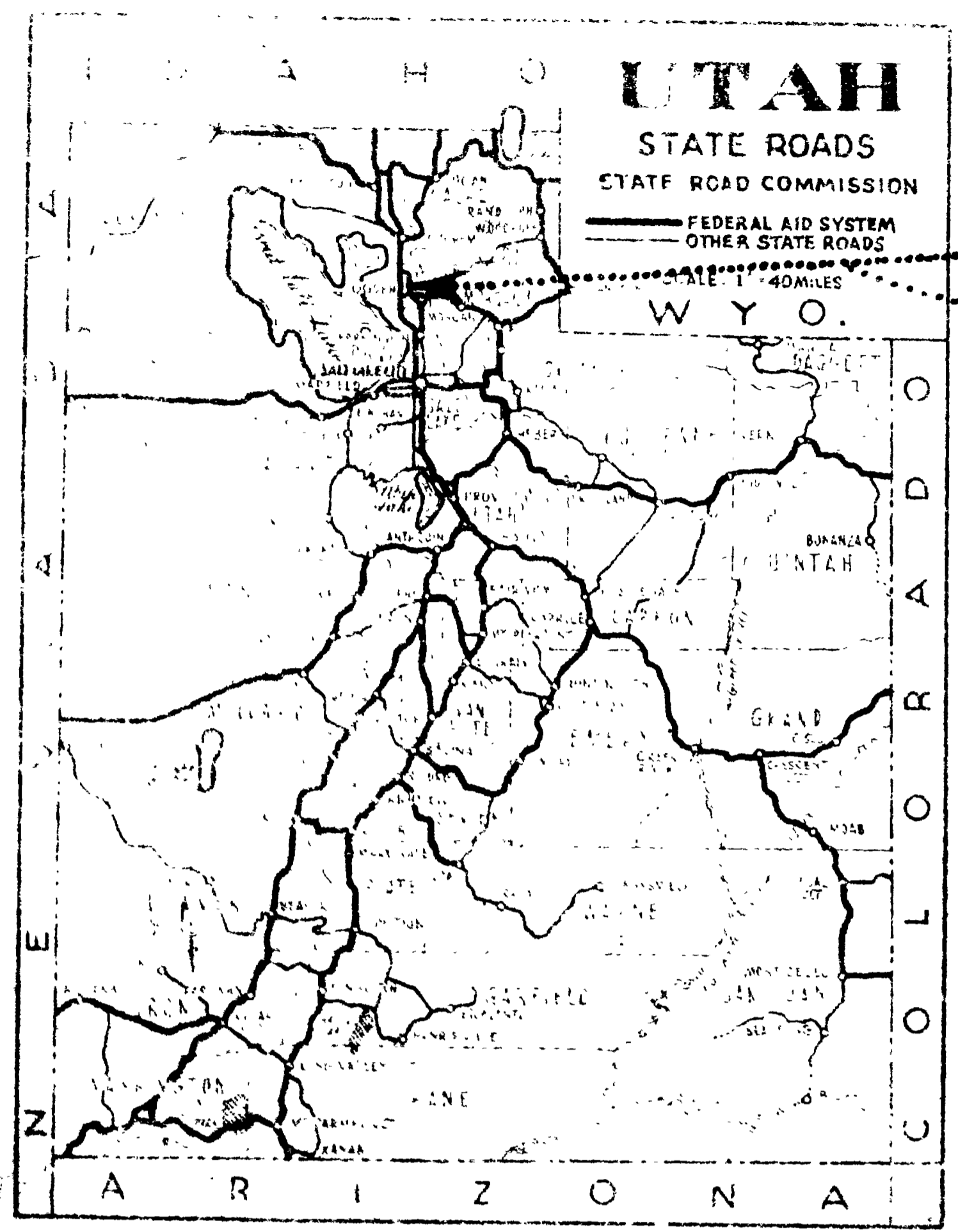




Cu.
 Esc.
 Emb.
 Sta.



Ca
Yd
Em



STATE OF UTAH STATE ROAD COMMISSION

FG-037-1(5)
 S-0568(2)
 DF-037-1(3)
 F-037-1(4)

INDEX TO SHEETS F-037-1(4) SEC CONTR. SEC. 1 & 2

SHT NO.	DESCRIPTION	DWG. NO.	STA.
1	TITLE SHEET		
2-28	TYPICAL SECTION & MATERIALS SHEET		
3-14	PLAN & PROFILE		
15-26	5116' E B.L. 55.49' (W.B.L.) 0-0 CONC. RIGID TR. OPASS D-63B		
29	STD. HANDRAIL DETAILS	S-R-3-2	
30	CATCH BASIN	V-750	
31	2 WAY DIVERSION BOX	V-376-2	1+60
32	STD. GUARD RAIL & GUIDE POSTS	B-158	
33	MED. ISLAND CURB DETAIL	B-151	
34	STD. END SECTIONS	B-160	
35	STD. R/W FENCE	B-157	
36	CHAIN LINK FENCE	B-155	
37	DELINEATORS	B-154	
38-40	STD. HIGHWAY SIGNS	B-95-1-2&3	
41-A	STD. F.A. & R/W MARKERS	M-45	
41-B	STD. FOR SUPER. CURVES	M-180	

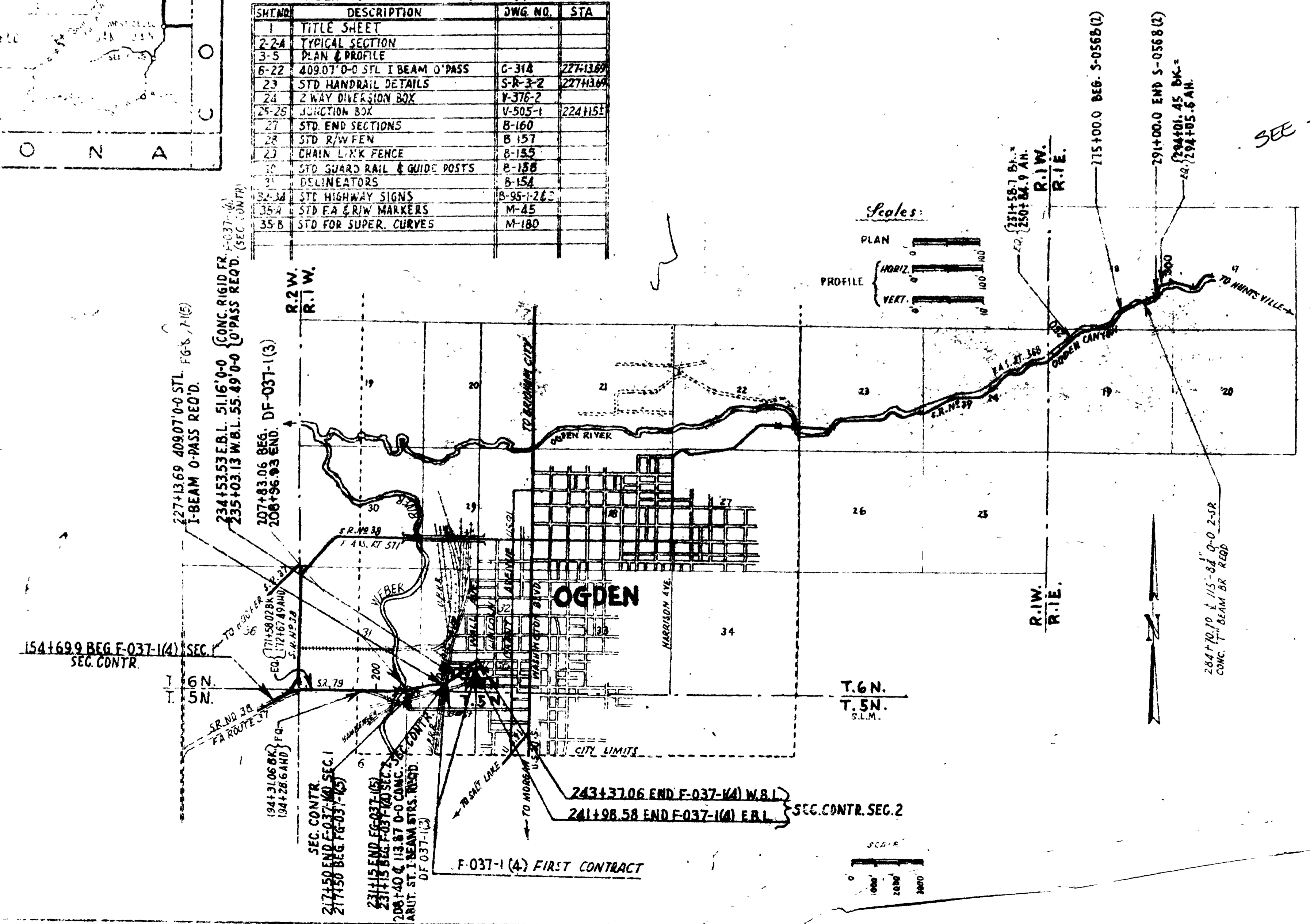
PLANS OF PROPOSED STATE ROAD FEDERAL AID PROJECT WEBER COUNTY

S-0568(2) ~ LENGTH 0.303 MILES
 DF-037-1(3) LENGTH 0.022 MILE
 F-037-1(4) FIRST CONTRACT
 F-037-1(4) LENGTH 1.373 MILES
 FG-037-1(5) LENGTH 0.259 MILES

AS CONSTRUCTED

INDEX TO SHEETS FG-037-1(5)

SHT NO.	DESCRIPTION	DWG. NO.	STA.
1	TITLE SHEET		
2-24	TYPICAL SECTION		
3-5	PLAN & PROFILE		
6-22	409.07' 0-0 STL I BEAM O-PASS	C-314	227+13.69
23	STD. HANDRAIL DETAILS	S-R-3-2	227+13.69
24	2 WAY DIVERSION BOX	V-376-2	
25-25	JUNCTION BOX	V-505-1	224+115.1
27	STD. END SECTIONS	B-160	
28	STD. R/W FEN	B-157	
29	CHAIN LINK FENCE	B-155	
30	STD. GUARD RAIL & GUIDE POSTS	B-158	
31	DELINEATORS	B-154	
32-34	STD. HIGHWAY SIGNS	B-95-1-2&3	
35-A	STD. F.A. & R/W MARKERS	M-45	
35-B	STD. FOR SUPER. CURVES	M-180	



FIRST CONTRACT
SEC. CONTR. SEC. 1 & 2

UT.	STATE	FED. AID	YEAR	SHEET NO.	TOTAL SHEETS
UT.	UTAH	S-0568(2)	POSTWAR	1	
UT.	UTAH	F-037-1(4)	POSTWAR	1	
UT.	UTAH	F-037-1(4)	POSTWAR	1	41
UT.	UTAH	FG-037-1(5)	POSTWAR	1	35

INDEX TO SHEETS S-0568(2)

SHEET NO.	DESCRIPTION	DATE
1	TITLE SHEET	
2	TYPICAL SECTION	
3	PLAN & PROFILE	
4-26	115'-8 1/2" 0-0 2" SP CONC. T-BEAM BR. D-63A	284+10.0
27	STD. HAND RAIL DETAILS	SR 3-2
28-30	RET. WALLS	B-772
31-33	STD. HIGHWAY SIGNS	B-95-1-2-3
34-A	F.A. & R/W MARKERS	M-45
34-B	FOR SUPEREL. CURVES	M-180

INDEX TO SHEETS DF-037-1(3)

SHEET NO.	DESCRIPTION	DATE
1	TITLE SHEET	
2	TYPICAL SECTION	
3	PLAN & PROFILE	
4-26	115'-8 1/2" 0-0 2" SP CONC. T-BEAM BR. D-63A	284+10.0
27	STD. HAND RAIL DETAILS	SR 3-2
28-30	RET. WALLS	B-772
31-33	STD. HIGHWAY SIGNS	B-95-1-2-3
34-A	F.A. & R/W MARKERS	M-45
34-B	FOR SUPEREL. CURVES	M-180

INDEX TO SHEETS F-037-1(4) FIRST CONTRACT

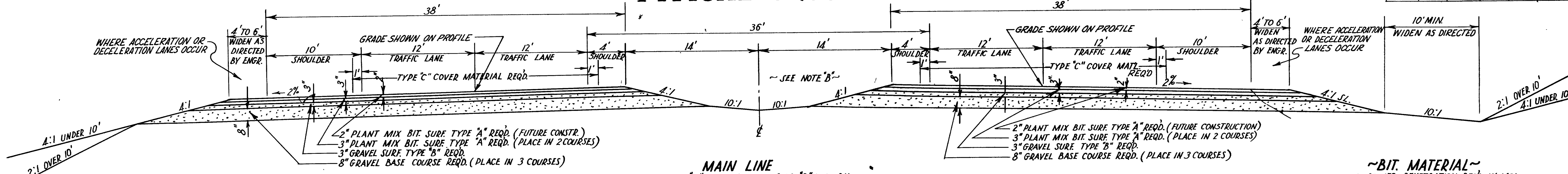
SHEET NO.	DESCRIPTION	DATE
1	TITLE SHEET	
2	PLAN	

STATE ROAD COMMISSION OF UTAH
 RECOMMENDED FOR APPROVAL MAY 1959
R. J. Ballard
 ASSISTANT DIRECTOR OF HIGHWAYS AND TRANSPORTATION
 APPROVED: *M.H.* 1959
John R. Morgan

TYPICAL CROSS SECTION

(SEC. CONTR.) SECTIONS 1 & 2

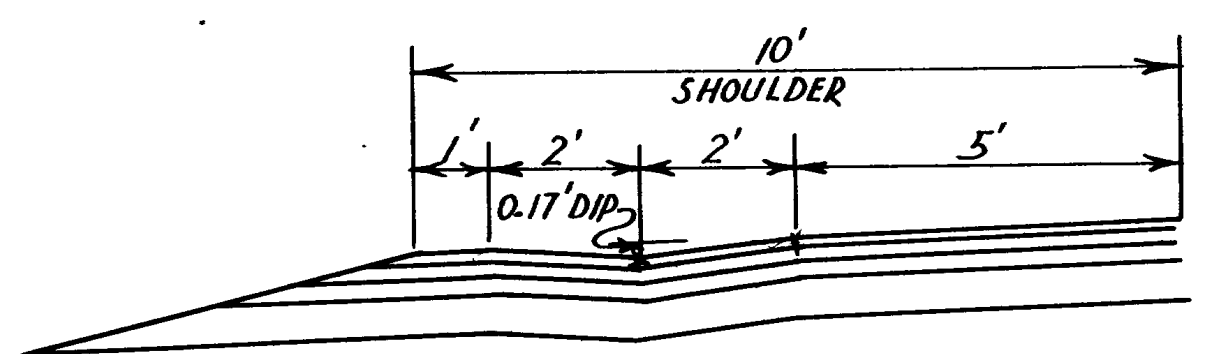
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	F-037-K9	POST WAR	2	
"	"	F6-037-K9	"	2	



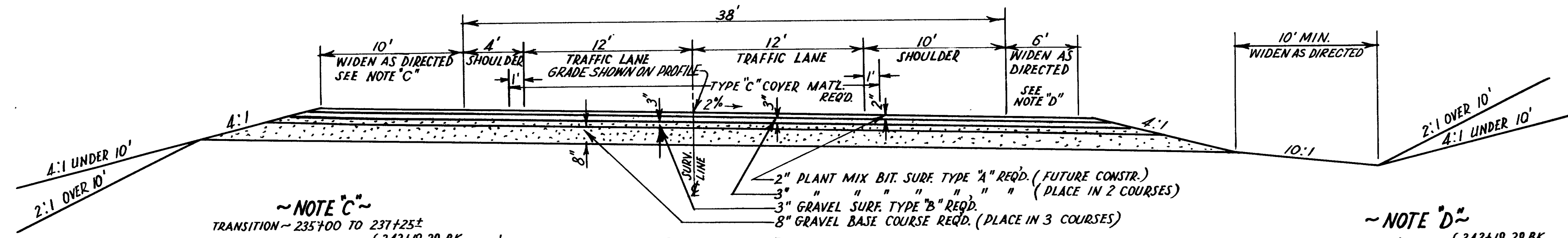
MAIN LINE
 154+60.8 "D" LINE - P.T. 171+58.02 "D" LINE BK.
 172+67.49 AH "A" LINE OFF. REV. - 194+31.06 BK. "A" LINE
 194+28.6 AH "A" LINE - P.C. 231+24.68 E.B.L.

~BIT MATERIAL~
 TYPE 120-150 PENETRATION REQD. IN MIX
 " MC-1 OR MC-2 REQD. FOR PRIME COAT
 " RC-1 " RC-2 " TACK COAT & SHOULDER
 " RC-4 REQD. FOR SEAL COAT
 COVER MATERIAL TYPE "C" REQD.

NOTE "B"
 ON 10' WIDENING FOR LT. TURN STORAGE LANES USE 10:1 SLOPE ON LOW SIDE OF DEPRESSED MEDIAN FOR 5' OR AS DIRECTOR BY ENGINEER, AND VERY SLOPE TO MATCH ON HIGH SIDE.

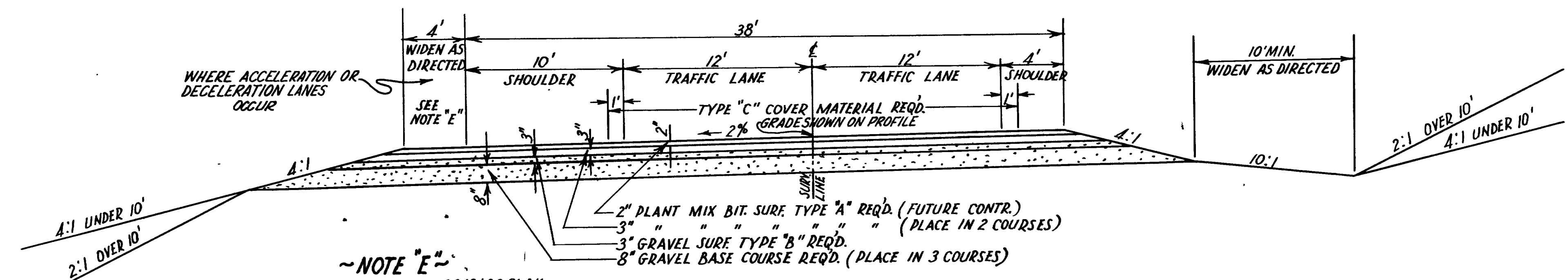


ROLLED GUTTER
 STA. 177± TO STA. 203+50± LT. & RT.
 " 215+50± TO STA. 224+50± LT. & RT.
 " 229+00± " " 238+00± E.B.L. RT.
 " 238+80± E.B.L. TO STA. 242± E.B.L. RT.
 " 229+50± W.B.L. " " 240+30± W.B.L. LT.



~NOTE "C"~
 TRANSITION - 235+00 TO 237+25±
 10' WIDENING - 235± TO EQ. { 242+19.29 BK.
 { 242+26.40 RT. AH. &
 { 242+19.29 BK. } TO 242+34
 { 242+26.40 AH. }

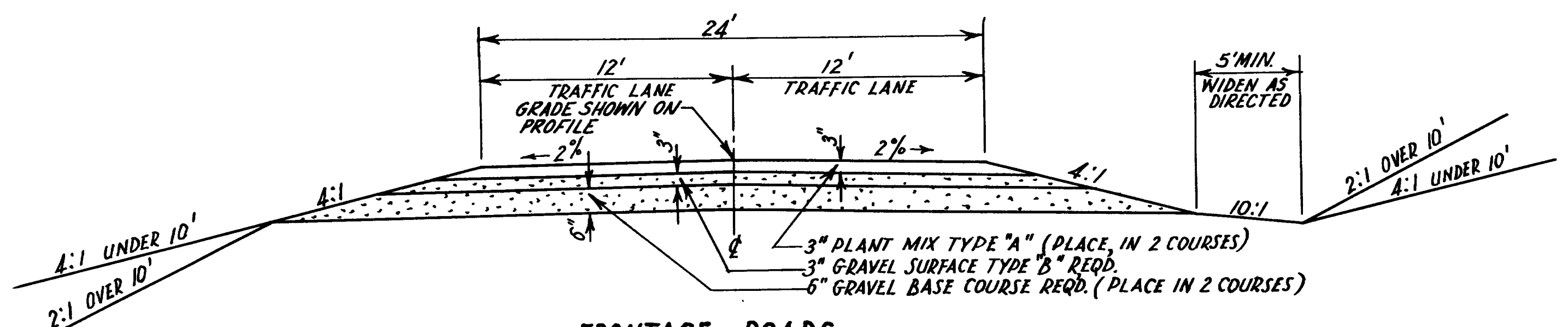
~NOTE "D"~
 6' WIDENING - 238+70± TO EQ. { 242+19.29 BK.
 { 242+26.40 RT. AH. &
 { 242+19.29 BK. } TO 242+34
 { 242+26.40 RT. AH. }



~NOTE "E"~
 4' WIDENING - 241+86± TO EQ. { 243+30.61 BK.
 { 244+15.81 AH.

WEST BOUND LANE
 231+24.68 - 244+15.81

~GENERAL NOTE~
 COVER MAT'L. TYPE "C" SHALL BE PLACED AS DIRECTED ON THE TYPICAL CROSS SECTIONS. RC-1 OR RC-2 SEAL COAT OIL ONLY, SHALL BE PLACED ON THE SHOULDER AREAS PRECEDING THE PLACING OF THE SEAL OIL AND COVER MAT'L. IN THE CENTER PORTION, OR TRAFFIC LANE AREA, BY AT LEAST 10 DAYS IN ACCORDANCE WITH THE SPECIAL PROVISION HEADED "SEAL COATING."



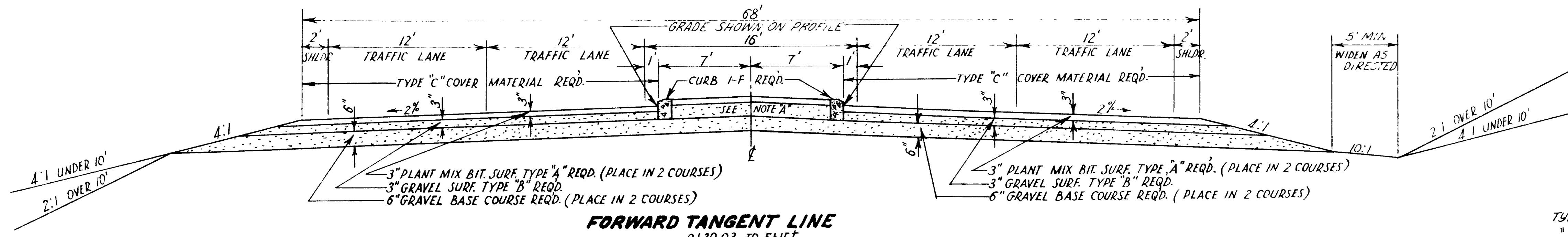
FRONTAGE ROADS
 NO. 1 & 2 & 3 LINES
 "B" LINE & AIRPORT CONN.
 3300 SO. ST. & GARBAGE DUMP CONN.

UTAH STATE ROAD COMMISSION
 SALT LAKE CITY - UTAH

PLANT MIX BIT SURFACED ROADWAY

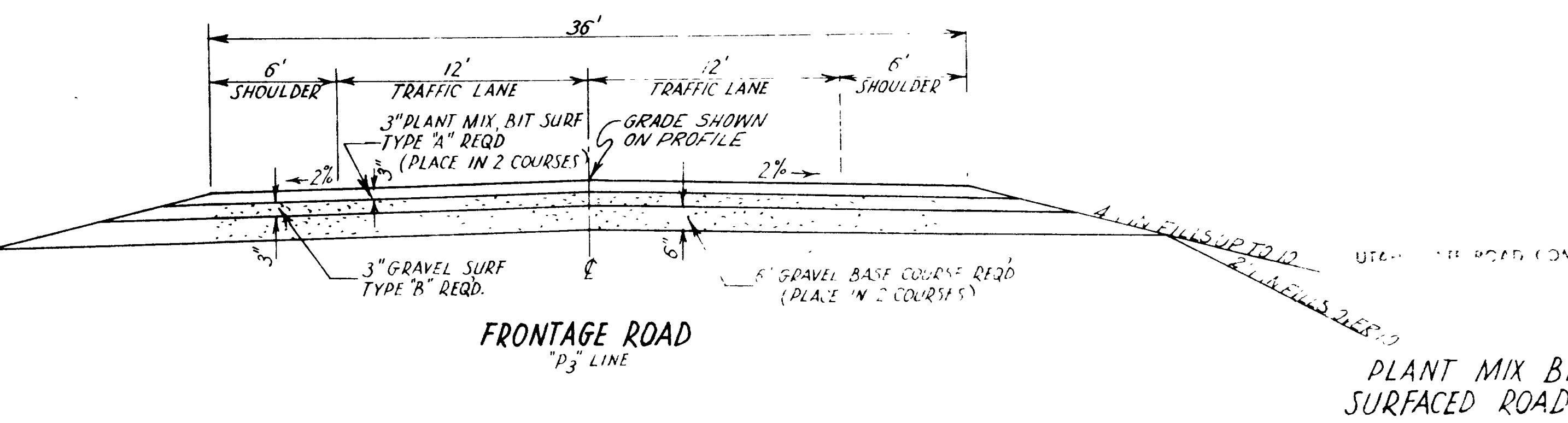
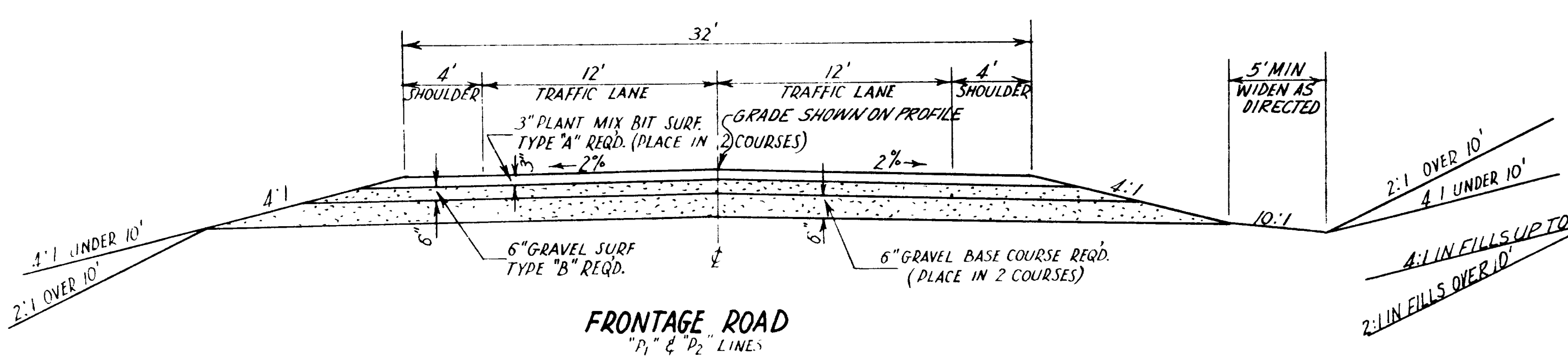
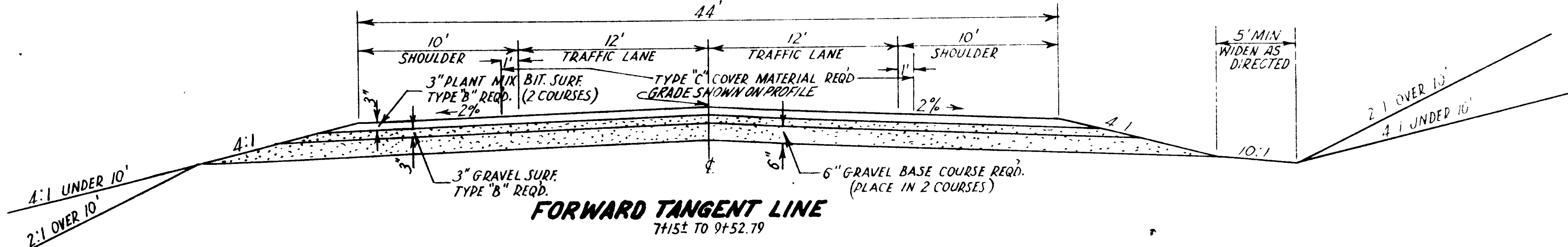
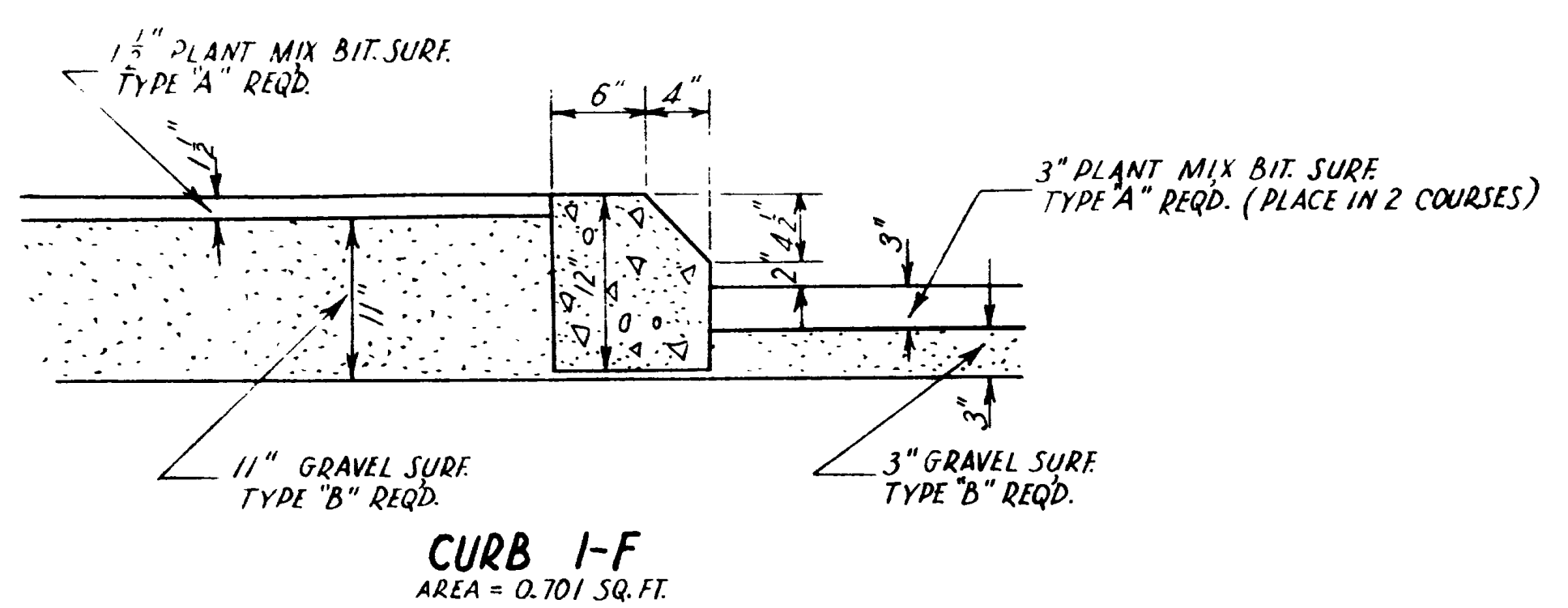
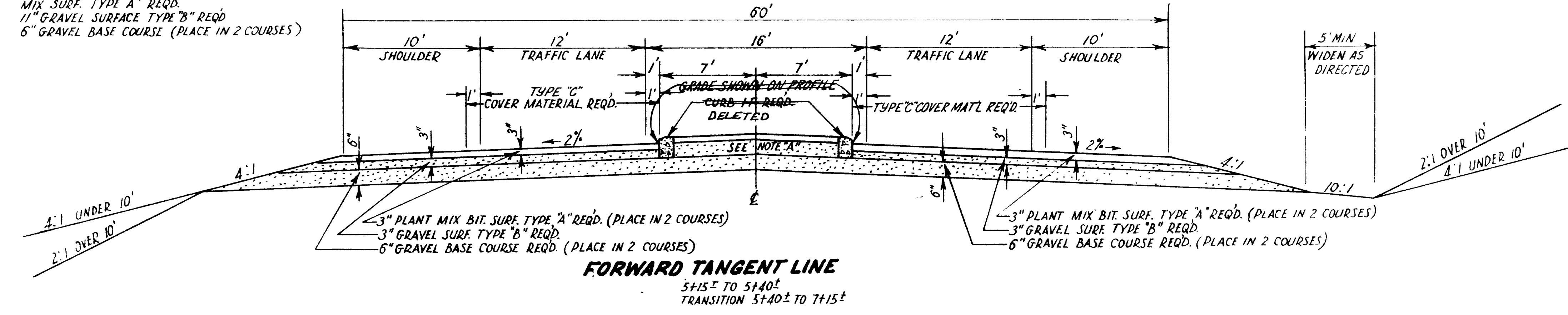
TYPICAL CROSS SECTION

SEE (CONTR) SECTIONS 1 & 2
 1. 0.1141 14.1 1. 4
 2. 0.1141 14.1 2. 4



NOTE "A"
 IN MEDIAN PLACE 1 1/2" PLANT MIX SURF. TYPE "A" REQ'D.
 11" GRAVEL SURFACE TYPE "B" REQ'D.
 6" GRAVEL BASE COURSE (PLACE IN 2 COURSES)

~ BIT MATERIAL ~
 TYPE 120-150 PENETRATION REQ'D IN MIX
 " MC-1 OR MC-2 REQ'D FOR PRIME COAT
 " RC-1 OR RC-2 REQ'D FOR TACK COAT
 " RC-4 REQ'D FOR SEAL COAT
 COVER MATERIAL TYPE "C" REQ'D

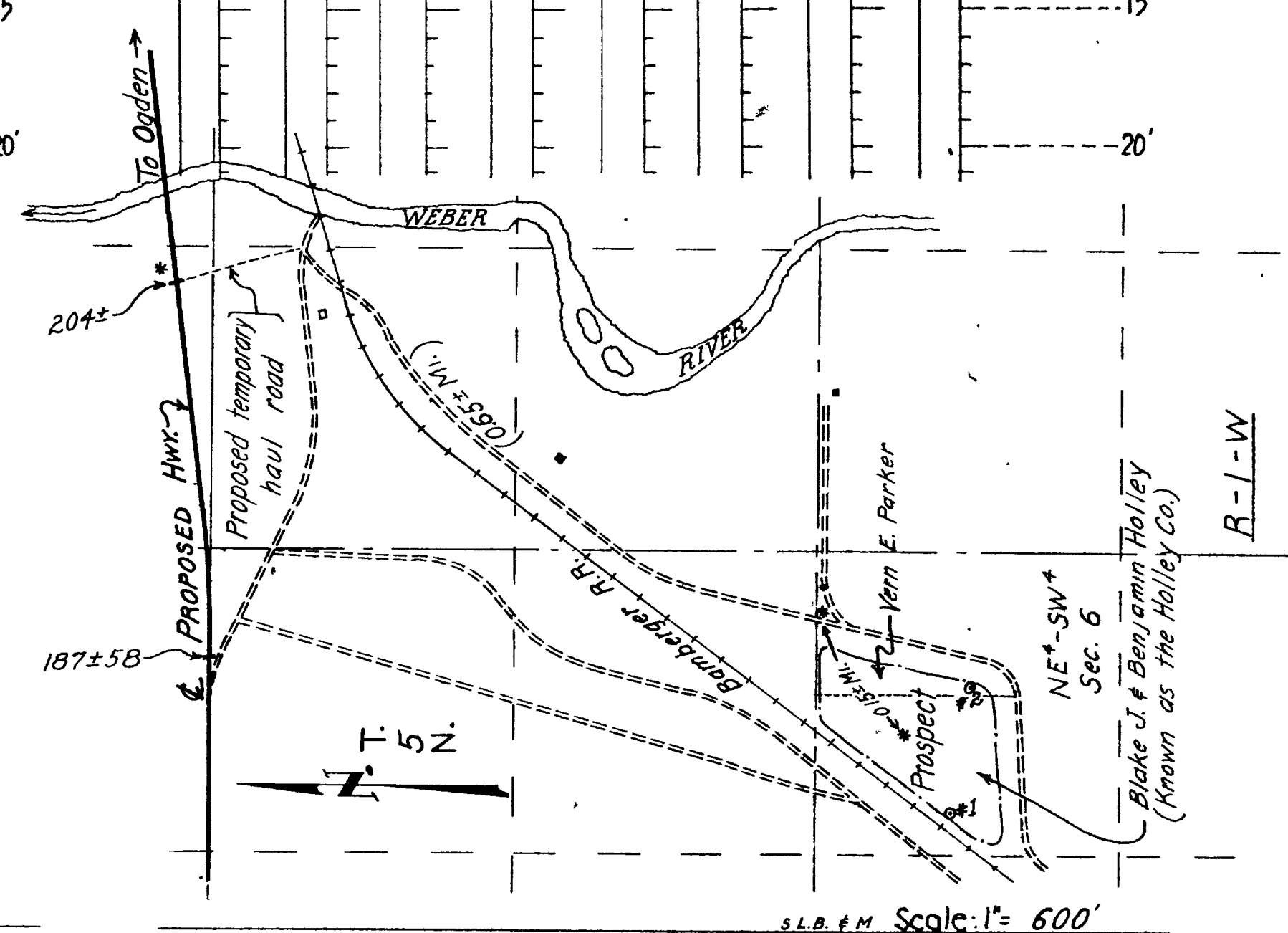
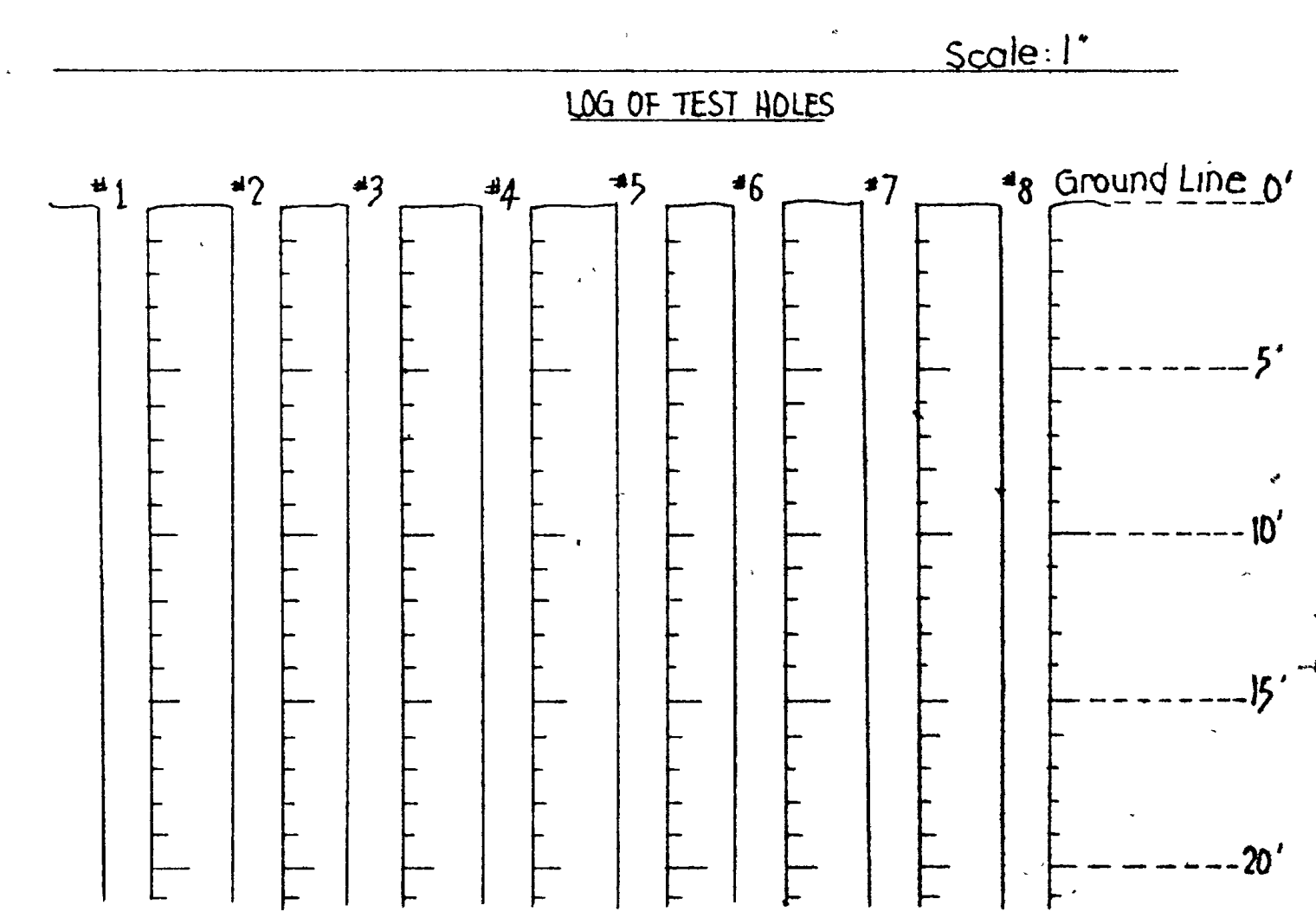
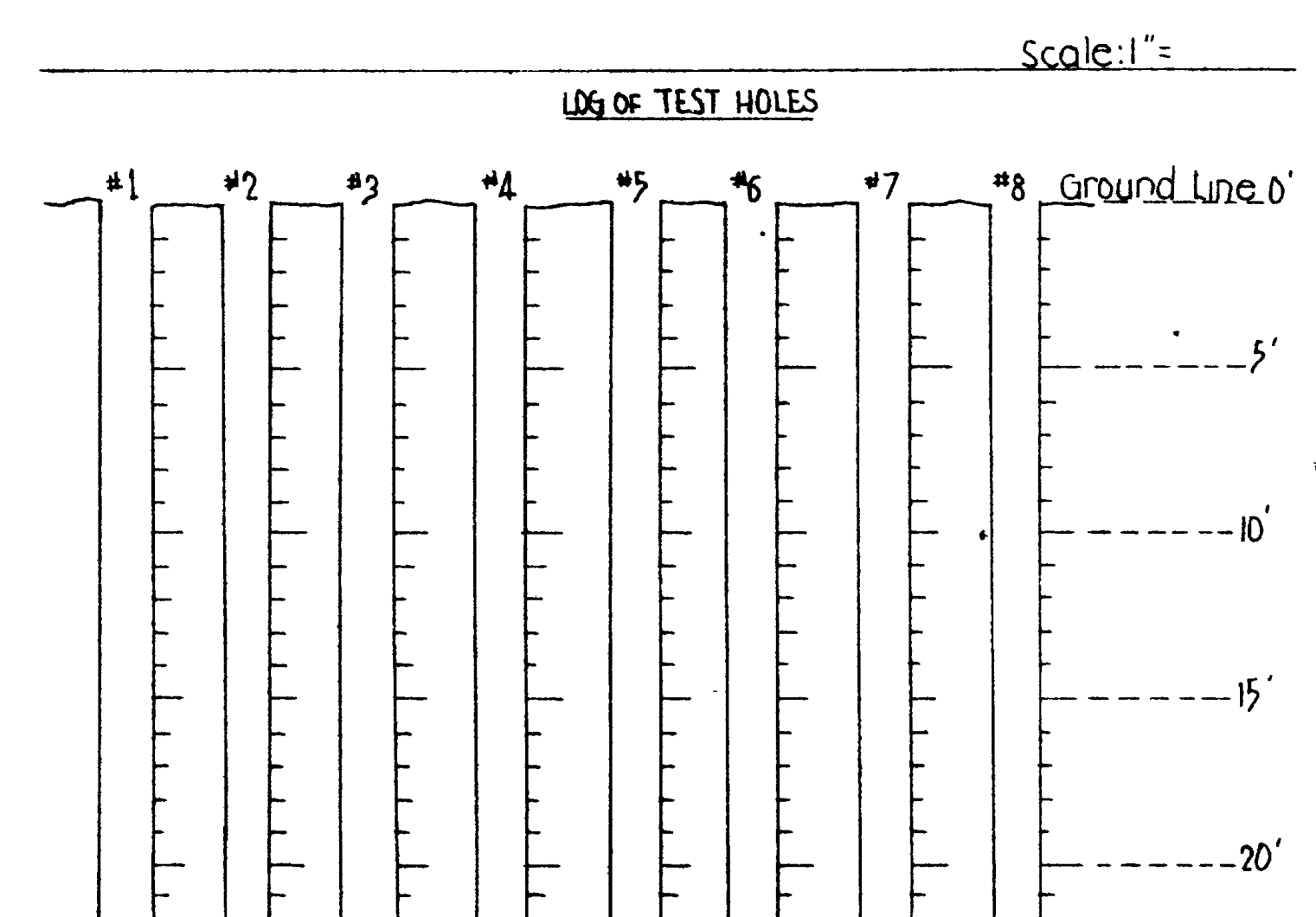
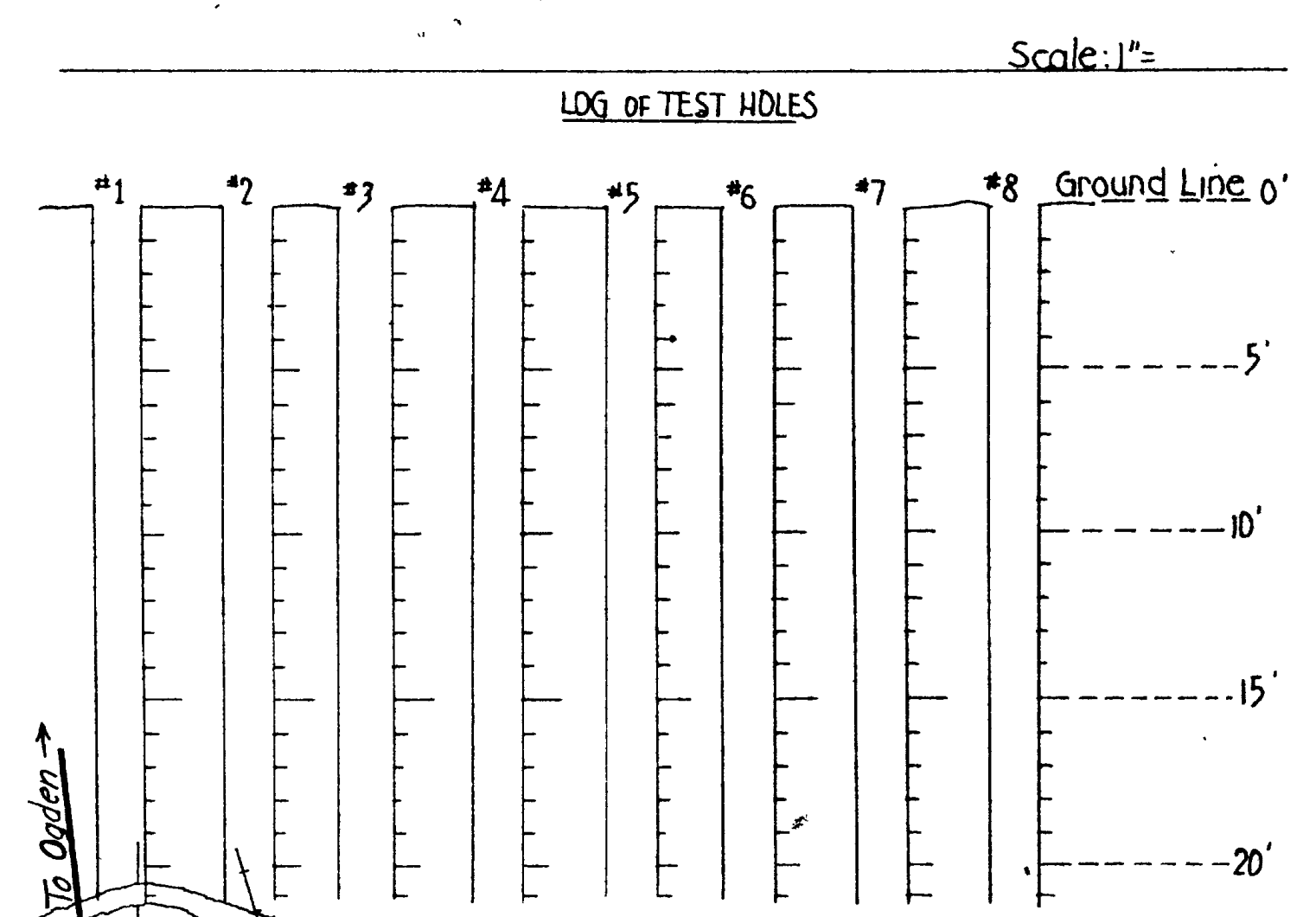
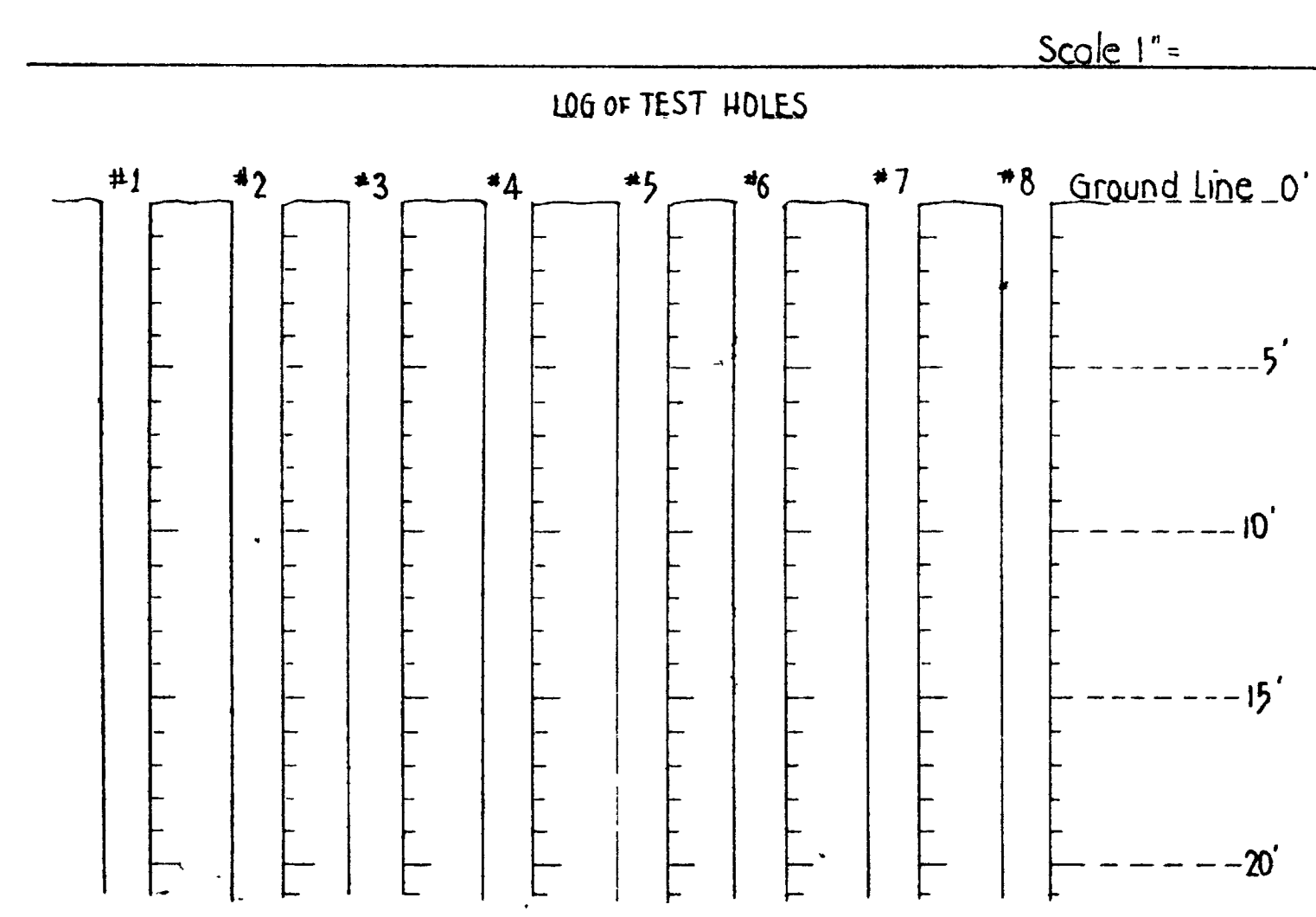


PLANT MIX BIT SURFACED ROADWAY

(SEC. CONTR.)

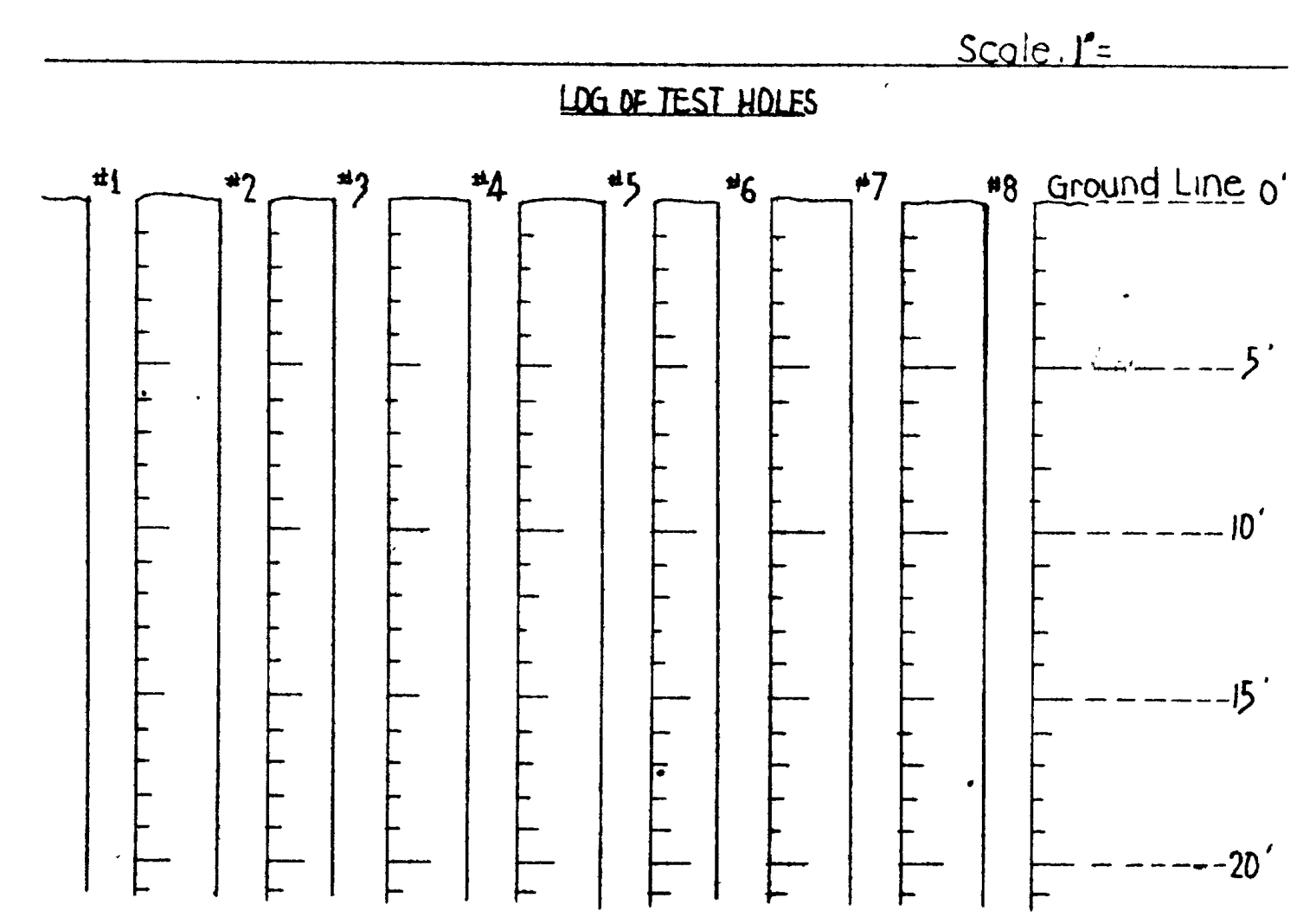
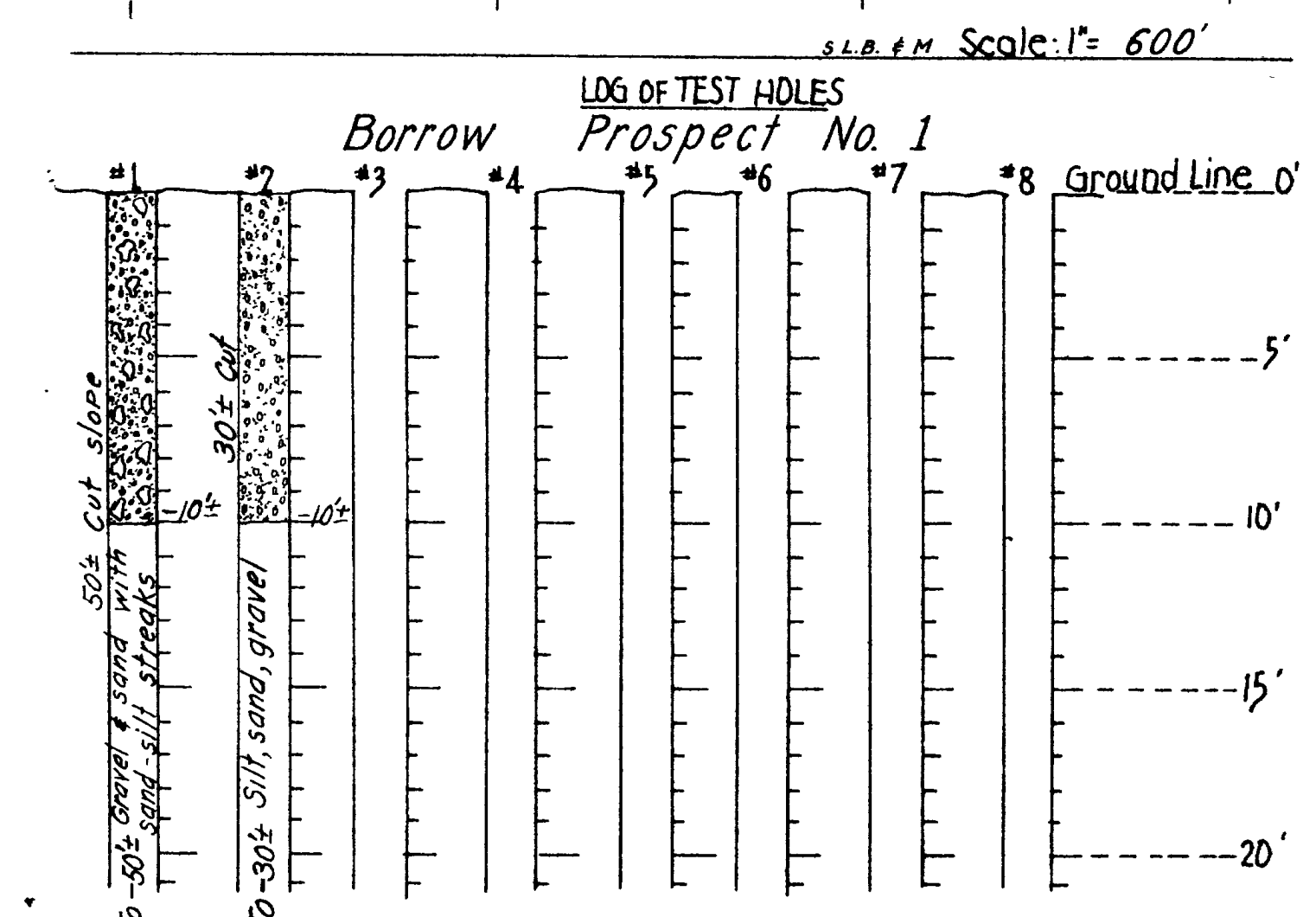
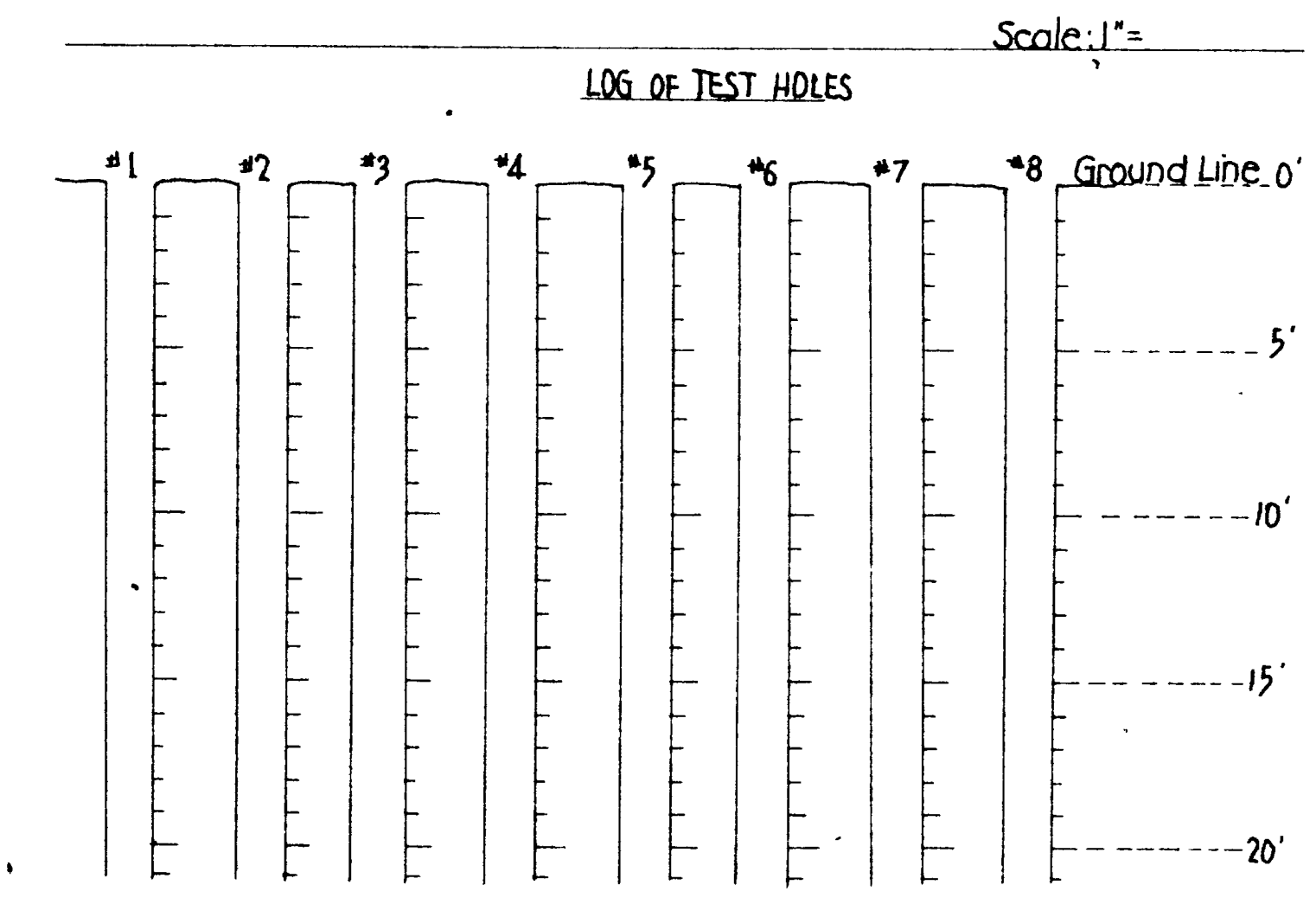
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	F-037-1(A)	1959	2-B	2

REVISIONS
DATE BY



~NOTES~
The information on the above materials prospects shall in no way be construed so as to conflict with Section 1, Article 1-6.2 of Designated Local Materials Sources of the State of Utah Standard Specifications, 1952 Edition and Supplements.

One Prospect Only



LEGEND

Section Line = ————
 1/4 Section Line = - - - - -
 40 Acre Line = + + + + +
 CODE: Boulders Gravel Sand Clay Silt
 ~ ~ ~ Water Table * Bottom of Test Hole

STATE ROAD COMMISSION OF UTAH
 MATERIALS LABORATORY
 PROJECT NO. F-037-1(A)
 PROJECT NAME FROM SR-38
 TO JUNCTION WALL AVENUE
 MATERIALS PROSPECTS AND
 TEST HOLES
 DATE: April 8, 1959 BY: J.C.

End Forward Tangent
9+52.79 = P.T. 171+51.75 U-38

170

U-38 Line
A = 67° 15' Lt.
D = 4° 00' 69"
T = 1437.69'
L = 952.8'
P.I. = 1681.25'
P.L. = 1647.22.7

162+49.27 U-38
EQUATION
162+55.2 "A" LINE P.O.T.

NOTE: Pavement and grade as directed by Engineer

NOTE: Profile & Grade for Forward Tangent See Sht. #2

NOTE: Profile & Grade for "D" Line See Sht. #9

"D" Line
A = 22° 53' Rt.
D = 2° 00'
R = 2864.93'
T = 579.84'
L = 1144.17'
P.I. = 1657.93.69

REVISIONS
DATE BY

151+75.14 Beg. Taper =
P.C. 10+00 Temp. Conn. E.B.L. & W.B.L.

Temp. Conn.
W.B.L. & E.B.L.
Δ = 11° 32' Lt. & Rt.
D = 7° 50'
T = 731° 44'
L = 147.23'
P.I. = 10773.87
P.L. = 12+23.41

P.T. 11+41.23 Temp. Conn. W.B.L.
P.C. 11+49.54 Temp. Conn. W.B.L.
153+43 ± 2' Radius

P.T. 12+96.77 End Temp. Conn. is 30' Lt. of
P.C. 154+59.9 U-38
P.O.T. 154+69.9 "D" Line

155

156+15 ± Beg. Taper 52' Lt.

158+40 ± End Taper 56' Lt.

160

160

161

163

165

165

150+35 Beg. R/W. Fo. 100' LT

P.T. 11+41.23 Temp. Conn.
P.C. 11+49.54 Temp. Conn.
(E.B.L.)

P.T. 12+96.77 End Temp. Conn. is 30' Rt. of 154+69.9

157+00 ± Beg. Taper 14' Rt.

158+10 ± End Taper 4' Rt.

P.C. 160+13.85 "D" Line

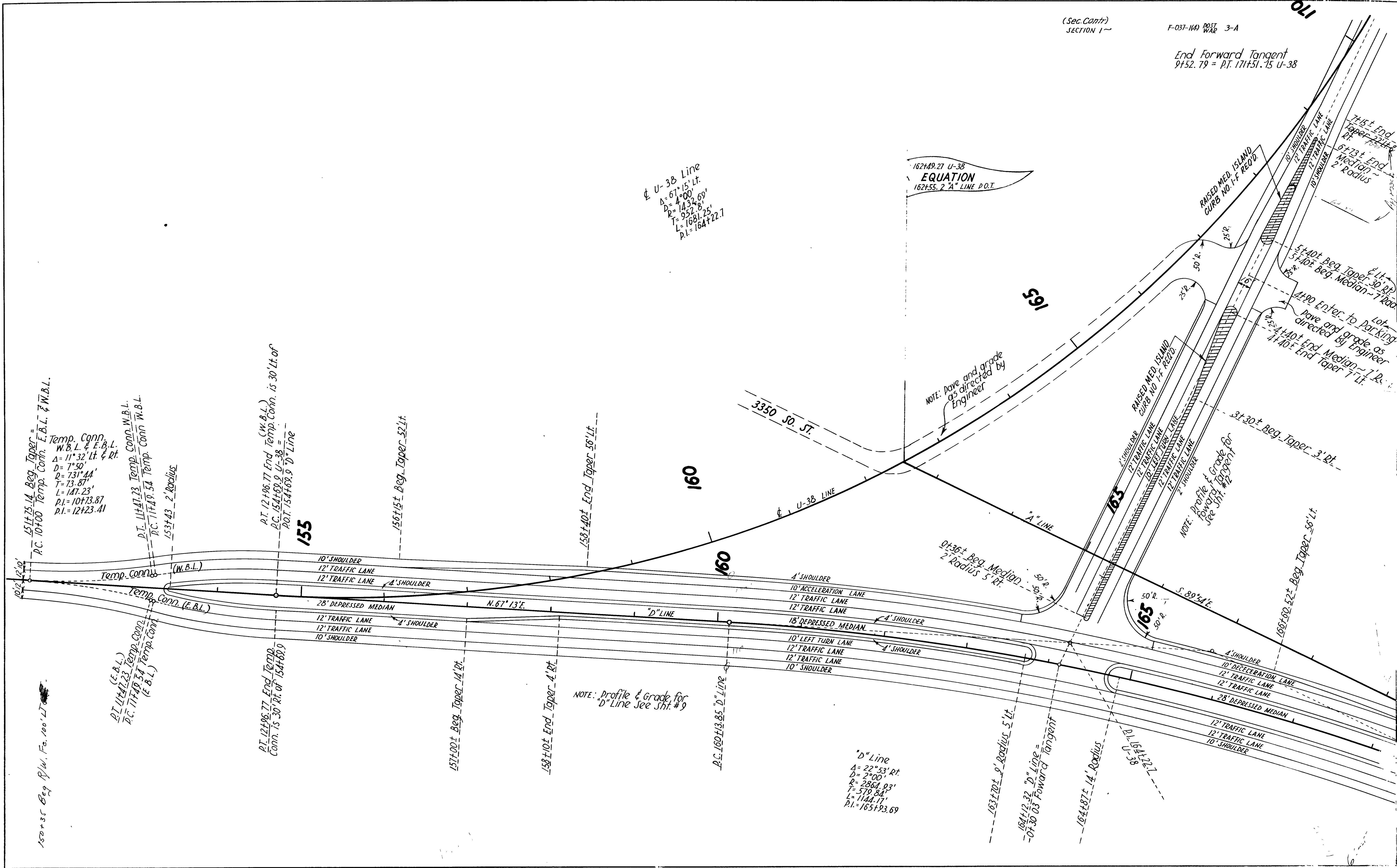
163+70 ± 9' Radius 5' Lt.

164+12.32 "D" Line =
-01+30.05 Forward Tangent

164+87 ± 14' Radius

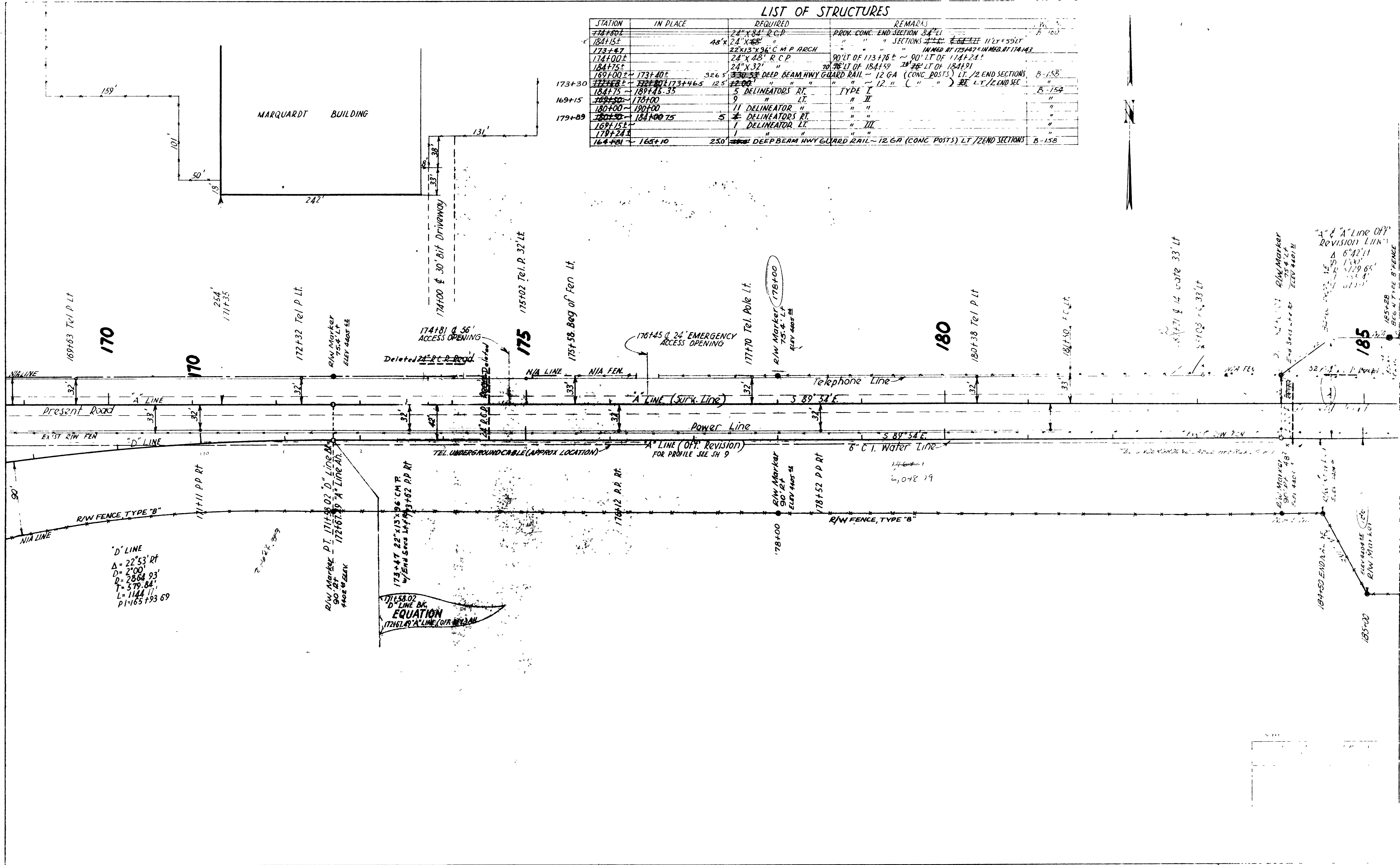
P.L. 164+22.7
U-38

165+60 ± 52' Beg. Taper 56' Lt.



LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS
173+00		24" X 84" R.C.P.	PROV. CONC. END SECTION 34' LT
184+15	48' X 24" X 66"	"	" " " SECTIONS 34' LT
173+47		22" X 13" X 96" C.M.P. ARCH	IN MED AT 173+47 IN MED AT 174+43
174+00		24" X 48" R.C.P.	90' LT OF 173+76 ± ~ 90' LT OF 174+24 ±
184+75		24" X 32" "	70' LT OF 184+59 ± 20' LT OF 184+91
169+00 ±	173+40 ±	326.5' DEEP BEAM HWY GUARD RAIL ~ 12 GA (CONC. POSTS) LT / 2 END SECTIONS	B-158
173+30	173+00 ± 173+46.5	125' "	" " " " " " " " " " " " "
169+15	184+75 - 189+45.35	5 DELINEATORS RT.	TYPE I
	178+00	9 " "	" II
	180+00 - 180+00	11 DELINEATOR "	" "
179+89	180+00 - 184+00	5 DELINEATORS RT.	" "
	169+15 ±	7 DELINEATOR LT.	" III
	179+24 ±	1 " "	" "
	164+81 - 165+10	250' DEEP BEAM HWY GUARD RAIL ~ 12 GA (CONC. POSTS) LT / 2 END SECTIONS	B-158



REVISIONS
DATE BY

170

170

175

180

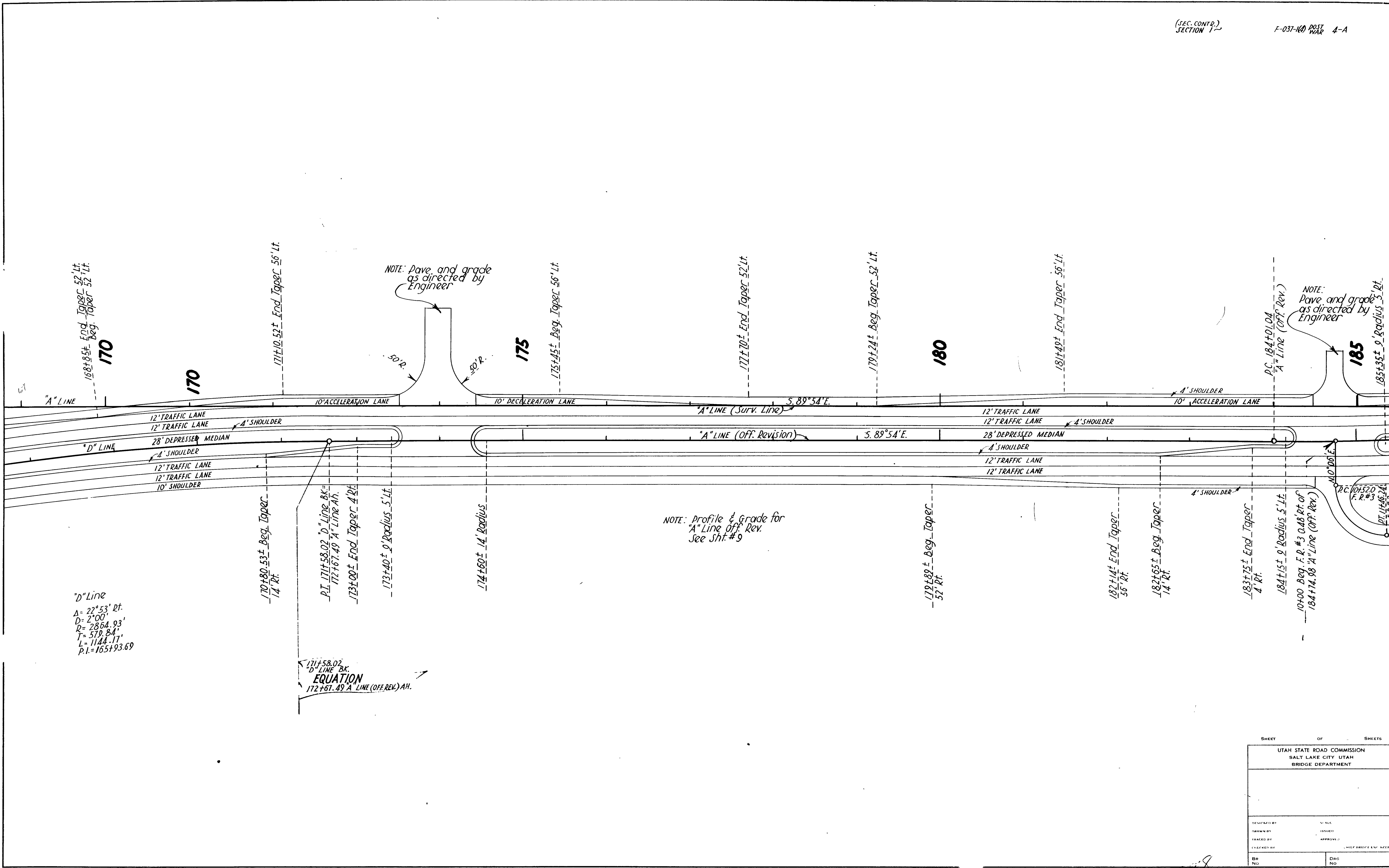
185

D LINE
Δ = 22° 53' RT
D = 2100'
R = 2864.93'
T = 579.84'
L = 1144.11'
PI = 165+93.69

171+58.02
D LINE BK
EQUATION
17261.49 A LINE (OFF REVISION)

A & A' Line Off
Revision Links
Δ 6° 42' 11"
D 1100'
R 2729.65'
T 222.44'
L 511.11'
PI 173+47.11

REVISIONS
DATE BY

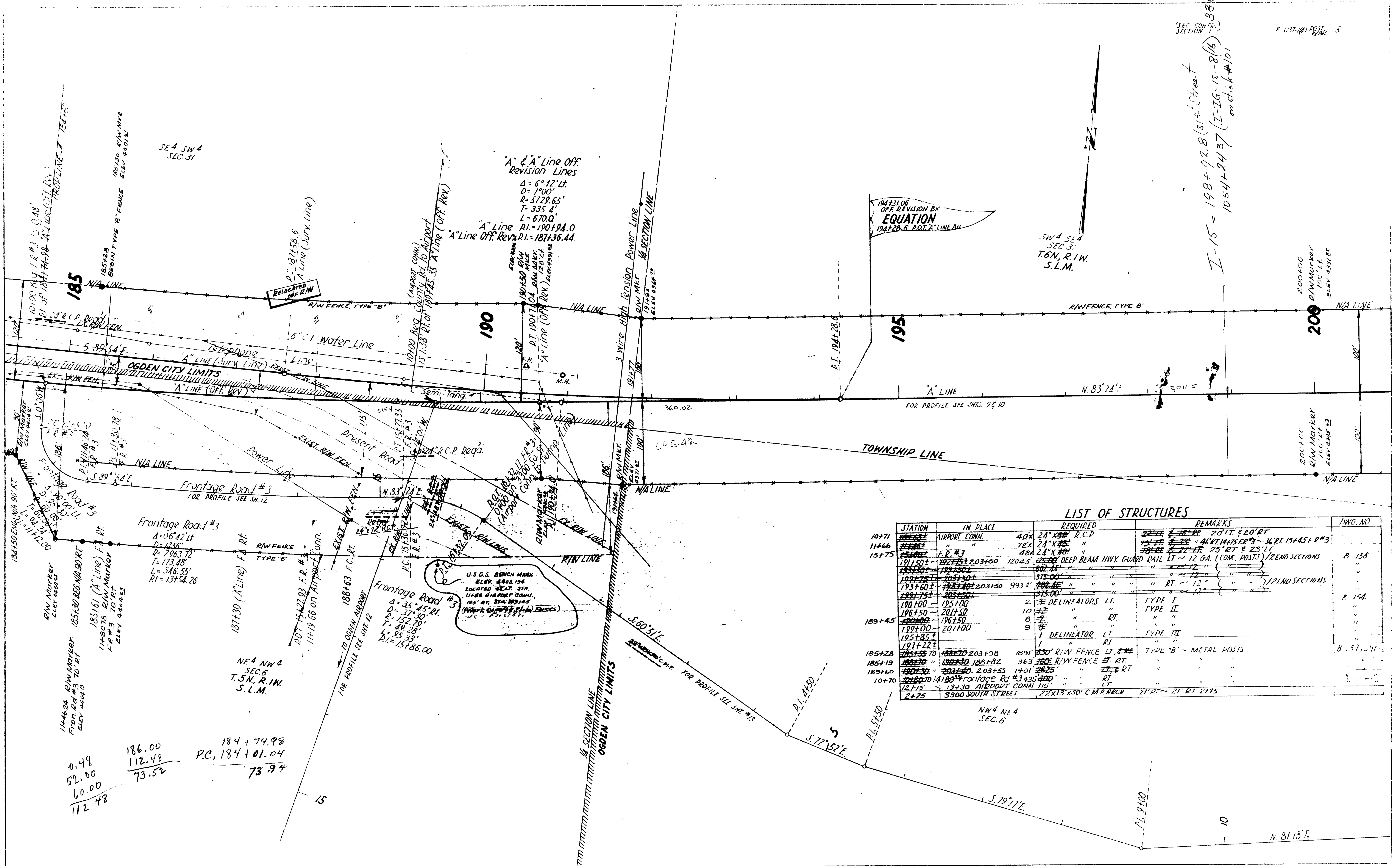


SHEET OF SHEETS	
UTAH STATE ROAD COMMISSION SALT LAKE CITY UTAH BRIDGE DEPARTMENT	
DESIGNED BY	V. ALK
DRAWN BY	ISSUED
TRACKED BY	APPROVED
CHECKED BY	CHIEF BRIDGE ENR. ACEE
BR No.	DRG No.

5/11/88

(SEC. CONT'N.)
SECTION 31

I-15 = 198+92.8 (31st Street)
 on stick #101
 I-15 = 1054+24.37 (I-15-15-8(16))



"A" & "A" Line Off Revision Lines
 $\Delta = 6^\circ 42' \text{ Lt.}$
 $D = 1^\circ 00'$
 $R = 5729.65'$
 $T = 335.4'$
 $L = 670.0'$
"A" Line P.I. = 190+94.0
"A" Line Off. Reva. P.I. = 187+36.44

SEA SW 4
SEC. 31

SW 4 SEA
SEC. 31
T. 6N, R. 1W
S.L.M.

200+00
R/W Marker
100' L.F.
ELEV. 4331.82

200+00
R/W Marker
100' L.F.
ELEV. 4331.82

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DWG. NO.
10+71	AIRPORT CONN.	40x 24" X 36" R.C.P	20' LT #20' RT	
11+46	" "	72x 24" X 36" "	ALL DIMENSIONS ~ 36' RT 15+45 F.R.#3	
15+75	F.R.#3	48x 24" X 36" "	25' RT # 23' LT	B-15B
191+50+	203+50	120x 48" DEEP BEAM HWY. GUARD RAIL LT.	~ 12 GA. (CONC. POSTS) / 2 END SECTIONS	
191+50+	195+50+	602' 11"	" " " " " "	
192+75+	205+50+	375.00'	" " " " " "	
193+60+	198+50+	9934'	" " " " " "	
189+75+	203+50+	375.00'	" " " " " "	
190+00-	195+00	2	DELINEATORS LT. TYPE I	B-15A
196+50-	201+50	10	" " " RT. TYPE II	
189+45	196+50	8	" " " RT. " "	
198+00-	201+00	9	DELINEATOR LT. TYPE III	
185+28	185+50	1	DELINEATOR LT. " "	B-57, 571
185+19	190+30	363	R/W FENCE LT. TYPE "B" ~ METAL POSTS	
189+60	193+50	1401	" " " RT. " "	
10+70	180+70	13+30	AIRPORT CONN 115' " " LT	
12+25	13+30	22x13' x 50' C.M. PARCH	21' RT ~ 21' RT 2+75	

$\frac{0.48}{52.00} = \frac{186.00}{73.52}$
 $\frac{60.00}{112.48} = \frac{184+74.93}{73.94}$
 PC, 184+01.04

REVISIONS

REVISIONS
DATE BY

"A" & "A" Line Off. Rev. Lines
 $\Delta = 6^{\circ}42' Lt.$
 $D = 1^{\circ}00'$
 $R = 5729.65'$
 $T = 335.4'$
 $L = 670.0'$
 $P.I. = 190+94.0$ (Surv. Line)
 $P.I. = 187+36.44$ (Off. Rev.)

NOTE: Profile & Grade for "A" & "A" Line Off. Revision See Sht. # 10

NOTE: Profile & Grade for F.R. #3 See Sht. #12

NOTE: Profile & Grade for 3300 South St. See Sht. #13

194+31.06 BK.
EQUATION
194+28.6 AH.

10+00 Beg. Frontage Road #3 is 0.48' Rt. of 184+74.88 "A" Line (Off. Rev.)

185+35± 9' Radius 5' Rt.

186+35± Beg. Taper 4' Lt.

187+44± Beg. Taper 55' Lt.
187+45± End Taper 14' Lt.

P.C. 187+58.6 "A" Line (Surv. Line)

(Airport conn.)
10+00 Beg. County Rd. to Airport is 1.38' Rt. of 189+45.35 "A" Line (Off. Rev.)

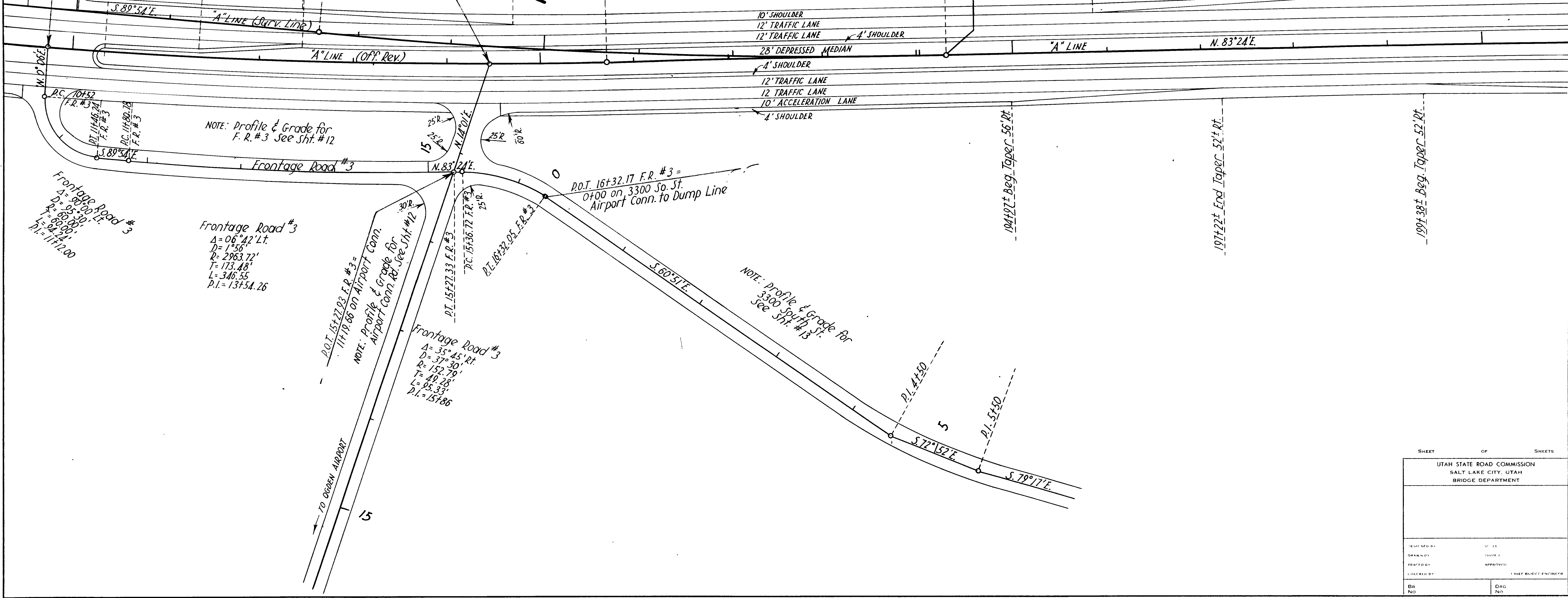
189+69± End Taper 57' Lt.

P.I. 190+28.6 "A" Line (Off. Rev.)

P.I. 194+28.6 "A" Line (Surv. Line)

195+85± Beg. Taper 52' Lt.

198+10± End Taper 54' Lt.



Frontage Road #3
 $\Delta = 95^{\circ}30' Lt.$
 $D = 80^{\circ}00'$
 $R = 80^{\circ}00'$
 $T = 94.24'$
 $L = 117+12.00$

Frontage Road #3
 $\Delta = 06^{\circ}42' Lt.$
 $D = 1^{\circ}56'$
 $R = 2963.72'$
 $T = 173.48'$
 $L = 346.55'$
 $P.I. = 137+54.26$

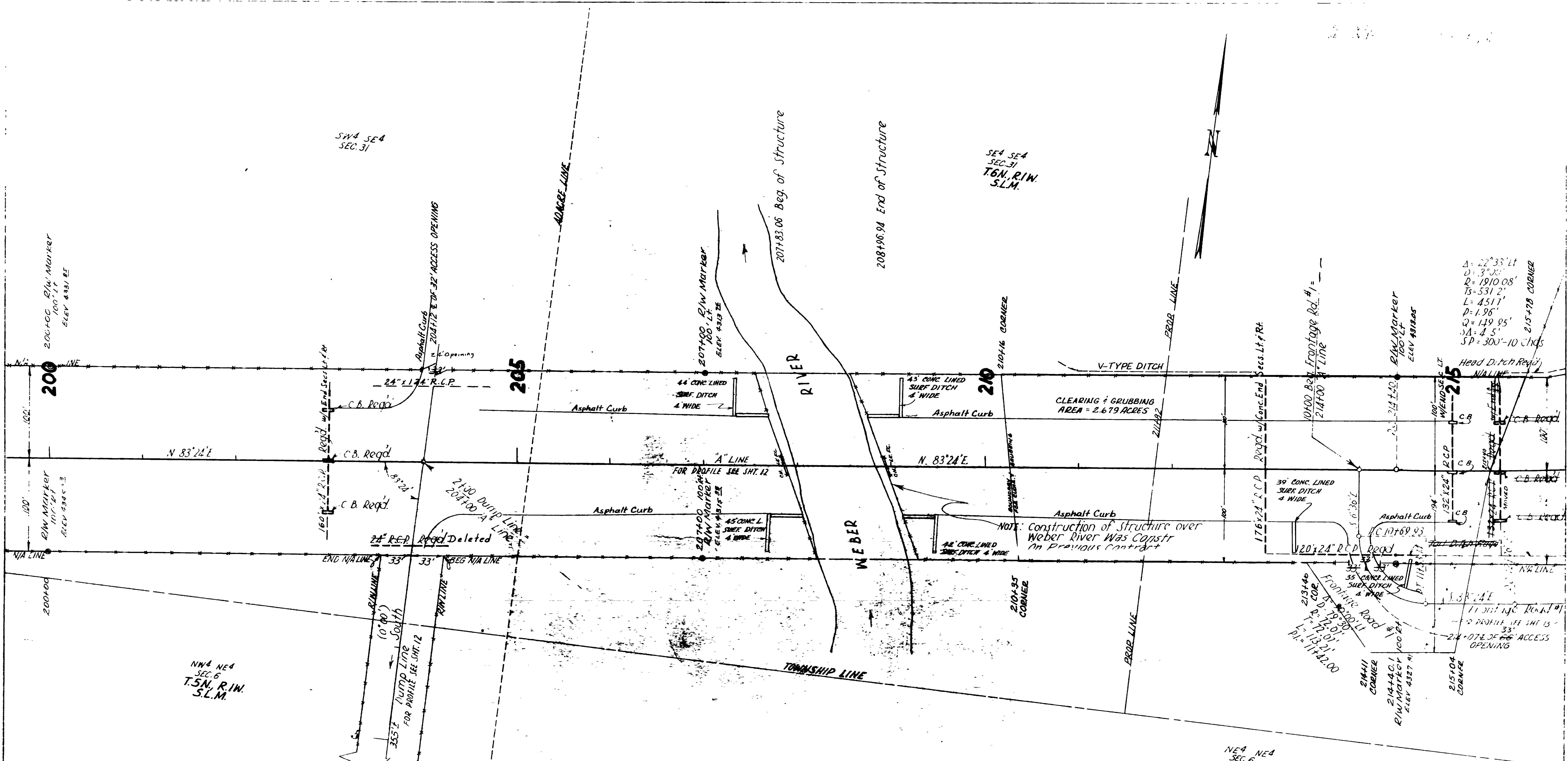
P.O.T. 15+27.03 F.R. #3 = 117+19.66 on Airport Conn.
NOTE: Profile & Grade for Airport Conn. Rd. See Sht. #12

Frontage Road #3
 $\Delta = 35^{\circ}45' Rt.$
 $D = 37^{\circ}30'$
 $R = 152.79'$
 $T = 49.28'$
 $L = 95.33'$
 $P.I. = 151+86$

P.O.T. 16+32.17 F.R. #3 = 0+00 on 3300 So. St. Airport conn. to Dump Line

SHEET OF SHEETS	
UTAH STATE ROAD COMMISSION SALT LAKE CITY, UTAH BRIDGE DEPARTMENT	
DESIGNED BY	BY
DRAWN BY	ISSUE
FRAMED BY	APPROVED
CHECKED BY	CHIEF BRIDGE ENGINEER
BR NO	DRG NO

REVISIONS



LIST OF STRUCTURES

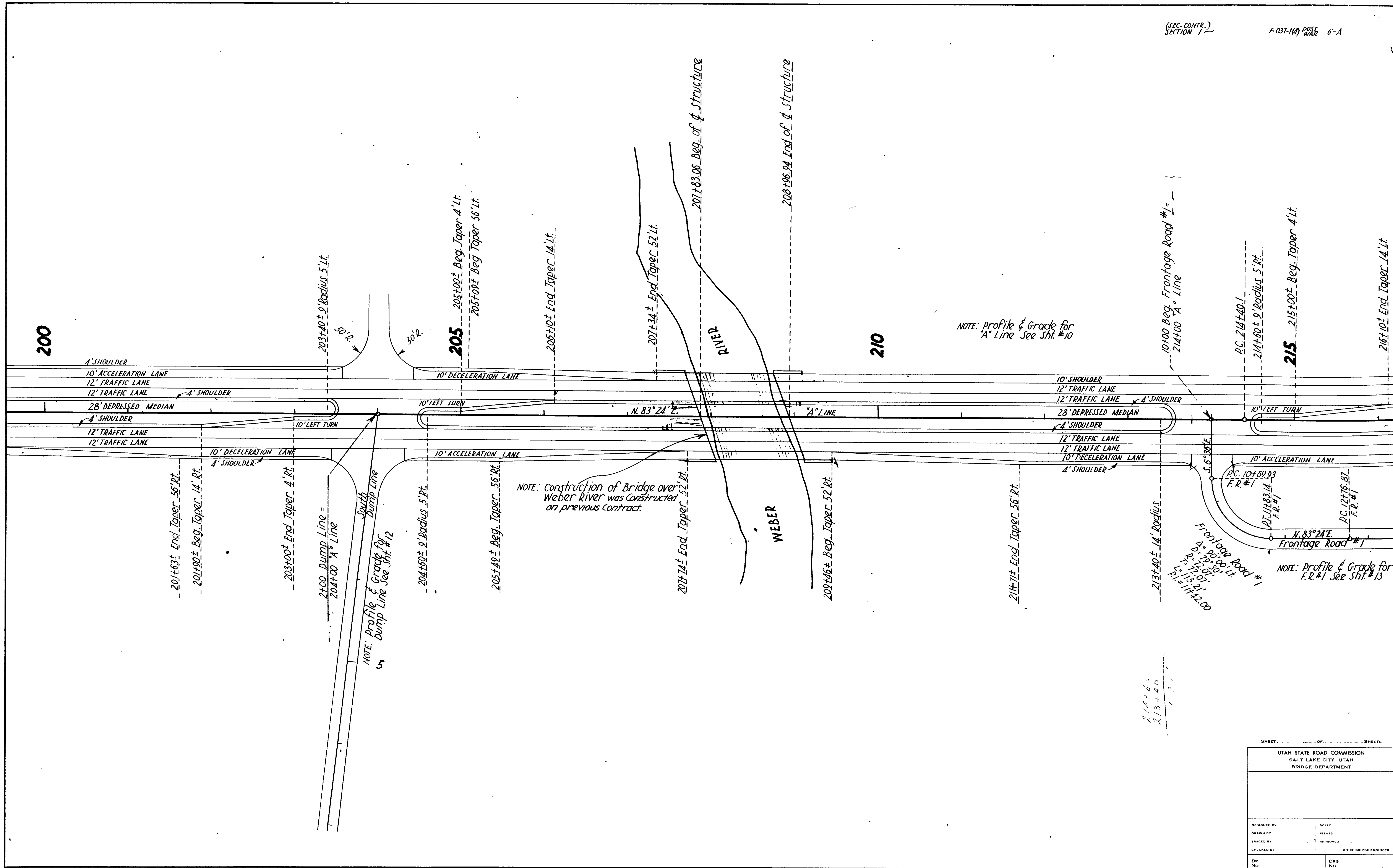
STATION	IN PLACE	REQUIRED	REMARKS	DWG. NO.	STATION TO STATION	REQUIRED
203+00		160' 24" X 24" R.C.P.	PROV. CONC. END SECTION 28' LT. & 80' RT.	B-160	204+37 ~ 207+83	34L MACHINE LAYED BITUMINOUS CURB
213+00		24" X 176" "	" " " SECTIONS 88' RT. & 88' LT.	"	209+28 ~ 213+30	E.B.L. 402'
215+00		24" X 120" R.C.P.	" " " SECTION 82' LT.	"	214+40 ~ 215+40	E.B.L. 72'
215+00		24" X 120" R.C.P.	" " " "	"	203+02 ~ 203+73	W.B.L. 71'
203+00		3 CATCH BASINS	PLACE IN ROLLED GUTTERS & IN MEDIAN	V-750, L-2018, B-158	204+60 ~ 207+13	W.B.L. 271'
204+43		2875' 24" X 80" DEEP BEAM HWY.	GUARD RAIL LT. ~ 12 GA. (CONC. POSTS)	V-750, L-2018, B-158	209+10 ~ 215+00	W.B.L. 590'
209+10		832.0' " " " "	" " " " " " " "	"	210+52 ~ 211+76	FR. #1 127'
204+50		325.0' " " " "	" " " " " " " "	"	214+43 ~ 214+82	FR. #2 39'
209+46		400.0' " " " "	" " " " " " " "	"	21+51 ~ 3+04	GRAB DUMP CONN 56'
214+50		306.3' " " " "	" " " " " " " "	"	0+22 ~ 1+35	" 17'
209+00		11	DELINEATORS RT. TYPE II	B-154	1+18	GARBAGE DUMP CONN 24" X 24" R.C.P. 66' LT. 60' RT.
207+50		1	DELINEATOR RT. TYPE III	"	203+98	2-12 GATES, POSTS, MOULT. 204+22, 204+77
204+22		378' 6" R/W FENCE RT. LT.	TYPE "B" - METAL POSTS	B-157, SH-1		
204+21		454' 8" " " RT. LT.	" " " " " " " "	"		
209+32		474' 8" " " RT. LT.	" " " " " " " "	"		
208+56		1866' 5" " " RT. LT.	" " " " " " " "	"		
207+85		7	DELINEATORS LT. TYPE I	B-154		
207+85		23	EACH CHAIN LINK FENCE ~ 6' HIGH	B-155		
214+02		428'	R/W FENCE RT. TYPE "B" METAL POSTS	B-157, SH-1		
214+57		433'	R/W FENCE LT.	"		
214+62		982'	R/W FENCE PT.	"		

3300 SO. ST. CONN. N 87° 16' E FOR PROFILE SEE SH. 13

DOT 14+18.0 3300 SO. ST. CONN. = 1+62.5 Dump Line

Δ = 22° 33' LT
 D = 3" X 3"
 R = 1910.08'
 TS = 531.2'
 L = 451.7'
 P = 1.96'
 Q = 149.95'
 SA = 4.5'
 SP = 300' - 10' chds

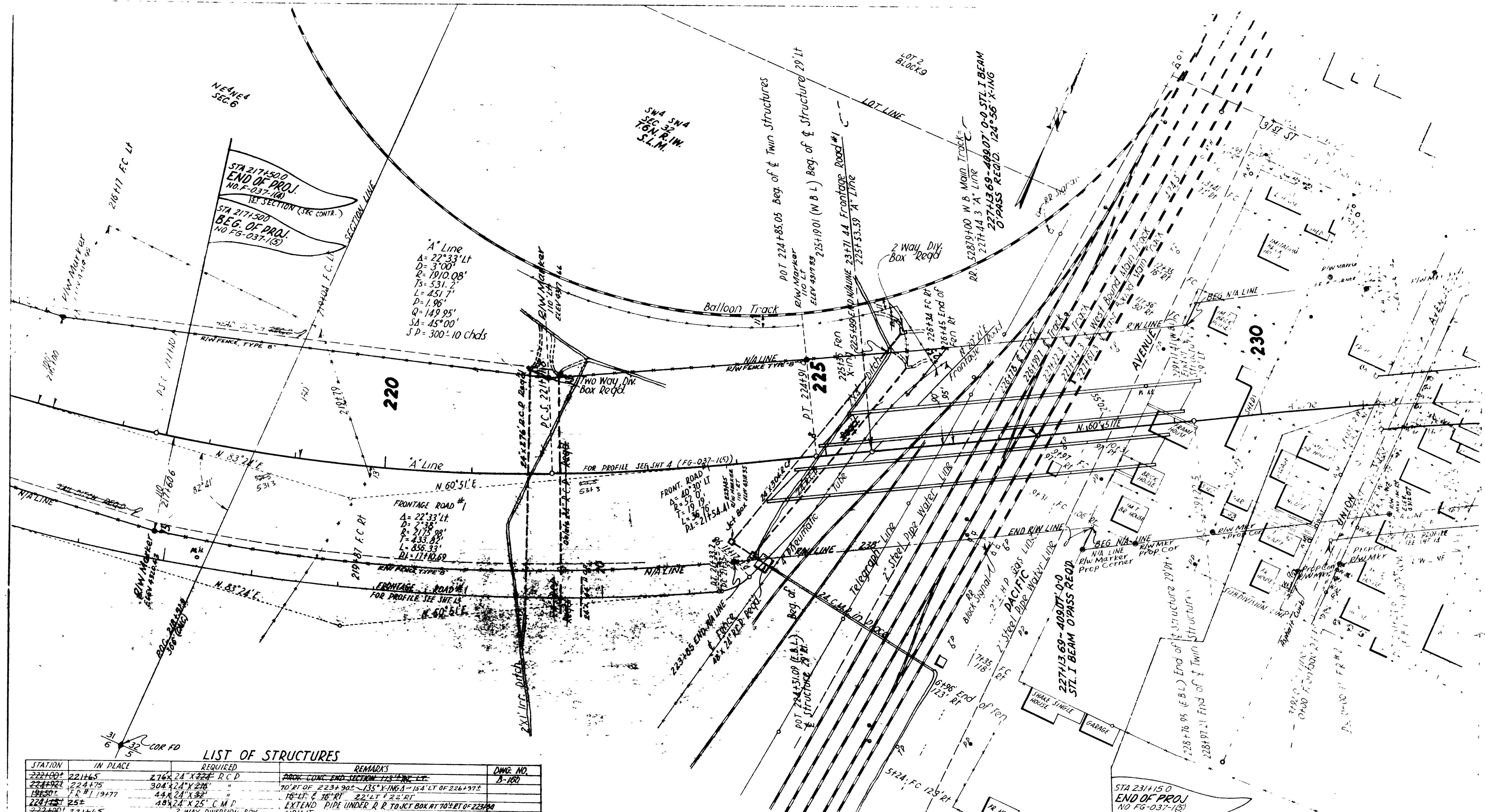
REVISIONS	DATE	BY



214+60
213+40
1 2 3

SHEET _____ OF _____ SHEETS	
UTAH STATE ROAD COMMISSION SALT LAKE CITY, UTAH BRIDGE DEPARTMENT	
DESIGNED BY	SCALE
DRAWN BY	ISSUED
TRACED BY	APPROVED
CHECKED BY	CHIEF BRIDGE ENGINEER
BR NO	DRG NO

REVISIONS
DATE BY



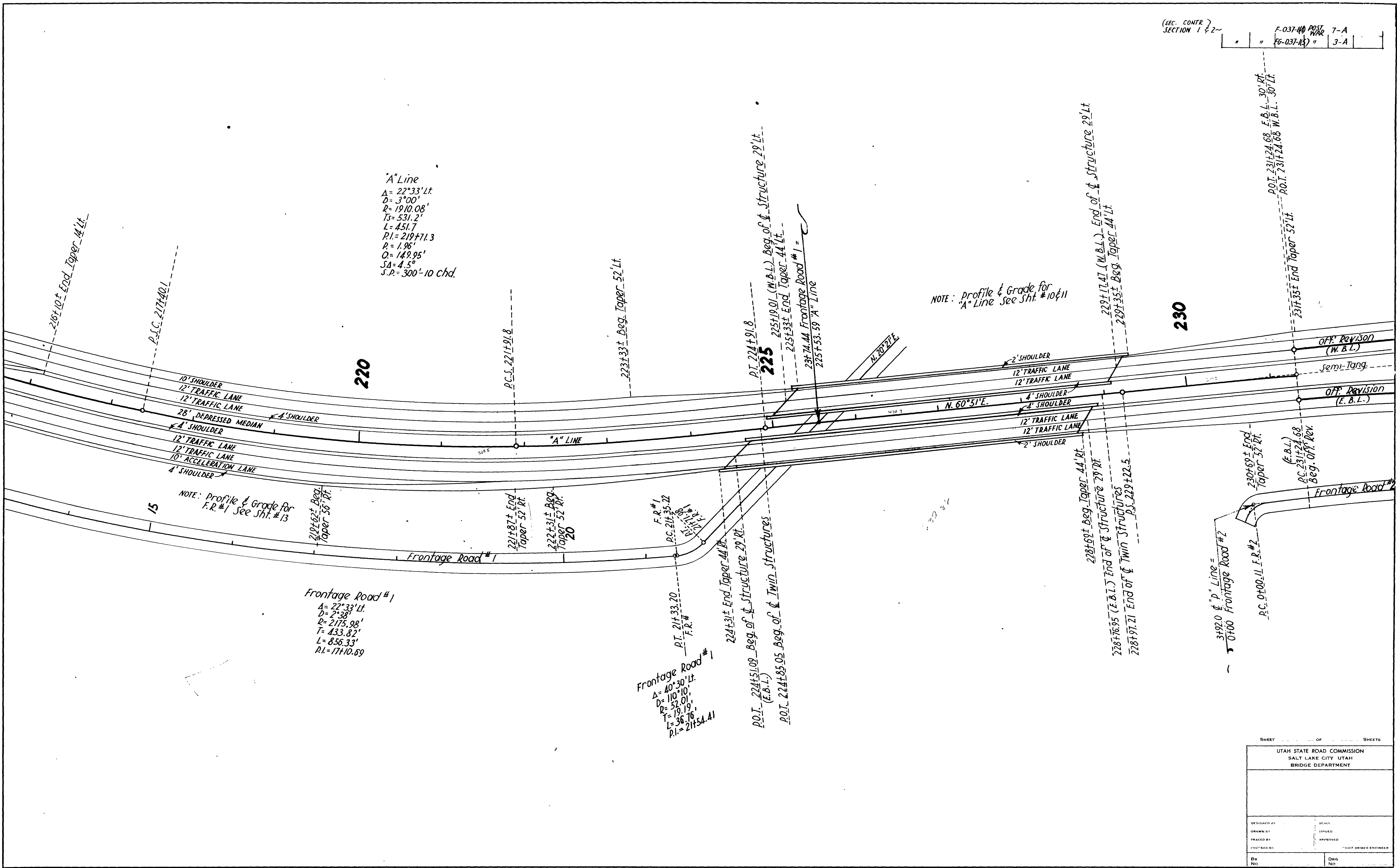
LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DWG. NO.
222+00	221+65	276'x 24" x 22' R.C.P.	PROV. CONC. END SECTION 113'x 12' RT. LT.	B-160
224+75	224+75	304'x 24" x 22'	70' RT OF 223+90 - 135'x 116' A - 15'x 12' LT OF 226+97 E	
196+50	FR #1 19+77	44'x 24" x 22'	16' LF & 16' RT 22' LT & 22' RT	
222+00	225+	48'x 24" x 25' C.M.P.	EXTEND PIPE UNDER R.R. TO JCT BOX AT 70' RT OF 223+00	
222+00	221+65	2 WAY DIVERSION BOX	110'± LT	
222+55	223+90	JCT BOX	100'± RT 70' RT	V-376-2
222+00	226+37	2 WAY DIVERSION BOX	90'± LT 154' LT	V-376-2
227+13.69		ADJUST 0-0 STL. I BEAM C/PASS	124'x 56'x 12' ING	S.R. 3-26-34 (7/5/15)
231+15	231+24.66	60 WBL	3430' DEEP BEAM HWY G.R. 12 GA (CONC. POSTS) RT.	B-158
231+15	231+24.66	195 LBI	3025' " " " " " " " " " " " "	
231+15	243+50	W.B.L.	12' DELINEATORS LT	B-154
231+15	242+34	E.B.L.	18' " " " " " " " " " " " "	
231+15	242+34	E.B.L.	15' " " " " " " " " " " " "	
217+50	223+50	E.B.L.	13' " " " " " " " " " " " "	
228+50	231+15	W.B.L.	2' " " " " " " " " " " " "	
217+50	223+50	W.B.L.	18' " " " " " " " " " " " "	
231+15	243+50	W.B.L.	12' " " " " " " " " " " " "	
196+50	207+50	W.B.L.	10' " " " " " " " " " " " "	
209+17	217+50	W.B.L.	13' " " " " " " " " " " " "	
234+60			1' " " " " " " " " " " " "	

227+50	224+00	1480' RIV. FENCE BE-12 TYPE B METAL POSTS	B-157 SH#1
228+50	231+15	865' CHAIN LINK FENCE RT - 6' HIGH	B-155
228+50	231+15	178' " " " " " " " " " " " "	
231+15	228+50	265' CHAIN LINK FENCE RT - 6' HIGH	B-155
231+15	228+50	145' " " " " " " " " " " " "	
228+69	231+15	246' DEEP BEAM HWY. GUARD RAIL RT - 12 GA (CONC. POSTS)	B-158
221+63		1 DELINEATOR RT TYPE III	B-154
217+50	224+96	740' DEEP BEAM HWY. GUARD RAIL LT - 12 GA (CONC. POSTS) WITH LEAD SEC	B-158
229+35	231+15	178' " " " " " " " " " " " "	
217+50	224+31	684' " " " " " " " " " " " "	
182+38	217+30	178' " " " " " " " " " " " "	

STA 231+15.0
END OF PROJ.
NO. F-037-1(A)
SECTION 2
(SEC. CONTR.)

REVISIONS	DATE	BY



"A" Line
 $A = 22^{\circ}33' Lt$
 $D = 3^{\circ}00'$
 $R = 1910.08'$
 $T_s = 531.2'$
 $L = 451.7'$
 $PI = 219+71.3$
 $R = 1.96'$
 $Q = 149.95'$
 $SA = 4.5^{\circ}$
 $S.P. = 300' - 10 chd.$

Frontage Road #1
 $A = 22^{\circ}33' Lt$
 $D = 2^{\circ}38'$
 $R = 2175.98'$
 $T = 433.82'$
 $L = 856.33'$
 $PI = 17+10.69$

Frontage Road #2
 $A = 40^{\circ}30' Lt$
 $D = 110^{\circ}10'$
 $R = 57.01'$
 $T = 19.19'$
 $L = 36.76'$
 $PI = 21+54.41$

NOTE: Profile & Grade for "A" Line See Sht. #10 & 11

NOTE: Profile & Grade for F.R. #1 See Sht. #13

SHEET _____ OF _____ SHEETS	
UTAH STATE ROAD COMMISSION SALT LAKE CITY, UTAH BRIDGE DEPARTMENT	
DESIGNED BY	SCALE
DRAWN BY	ISSUED
TRACED BY	APPROVED
CHECKED BY	CHIEF BRIDGE ENGINEER
BR NO.	DRG NO.

REVISIONS
DATE BY

NOTE: PAVE & GRADE "P" LINE AS DIRECTED BY THE ENGINEER.

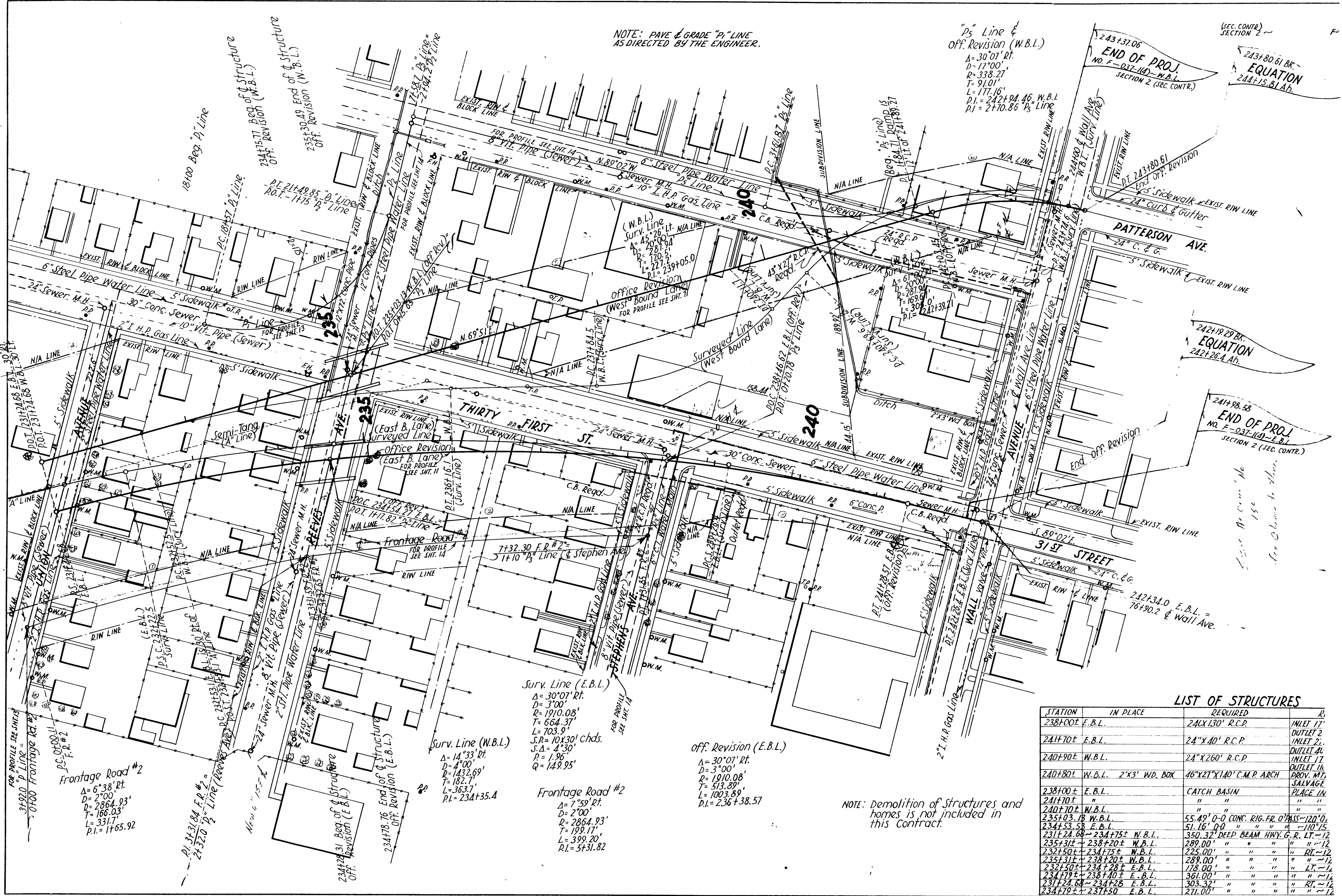
"P5" Line & Off. Revision (W.B.L.)
 $\Delta = 30^{\circ}07'$
 $D = 17^{\circ}00'$
 $R = 338.27'$
 $T = 91.01'$
 $L = 177.16'$
 $P.I. = 242+94.46$ W.B.L.
 $P.I. = 270.86$ "P5" Line

END OF PROJ.
 NO. F-037-100-W.B.L.
 SECTION 2 (SEC. CONTR.)

243+80.61 BR- EQUATION
 $244+15.81 \Delta b$

242+19.29 BR- EQUATION
 $242+26.4 \Delta b$

241+98.58
 END OF PROJ.
 NO. F-037-100-E.B.L.
 SECTION 2 (SEC. CONTR.)



Surv. Line (E.B.L.)
 $\Delta = 30^{\circ}07'$
 $D = 3^{\circ}00'$
 $R = 1910.08'$
 $T = 664.37'$
 $L = 703.9'$
 $S.P. = 10x30'$ chds.
 $J.A. = 4^{\circ}30'$
 $P = 1.96'$
 $Q = 149.95'$

Off. Revision (E.B.L.)
 $\Delta = 30^{\circ}07'$
 $D = 3^{\circ}00'$
 $R = 1910.08'$
 $T = 513.89'$
 $L = 1003.89'$
 $P.I. = 236+38.57$

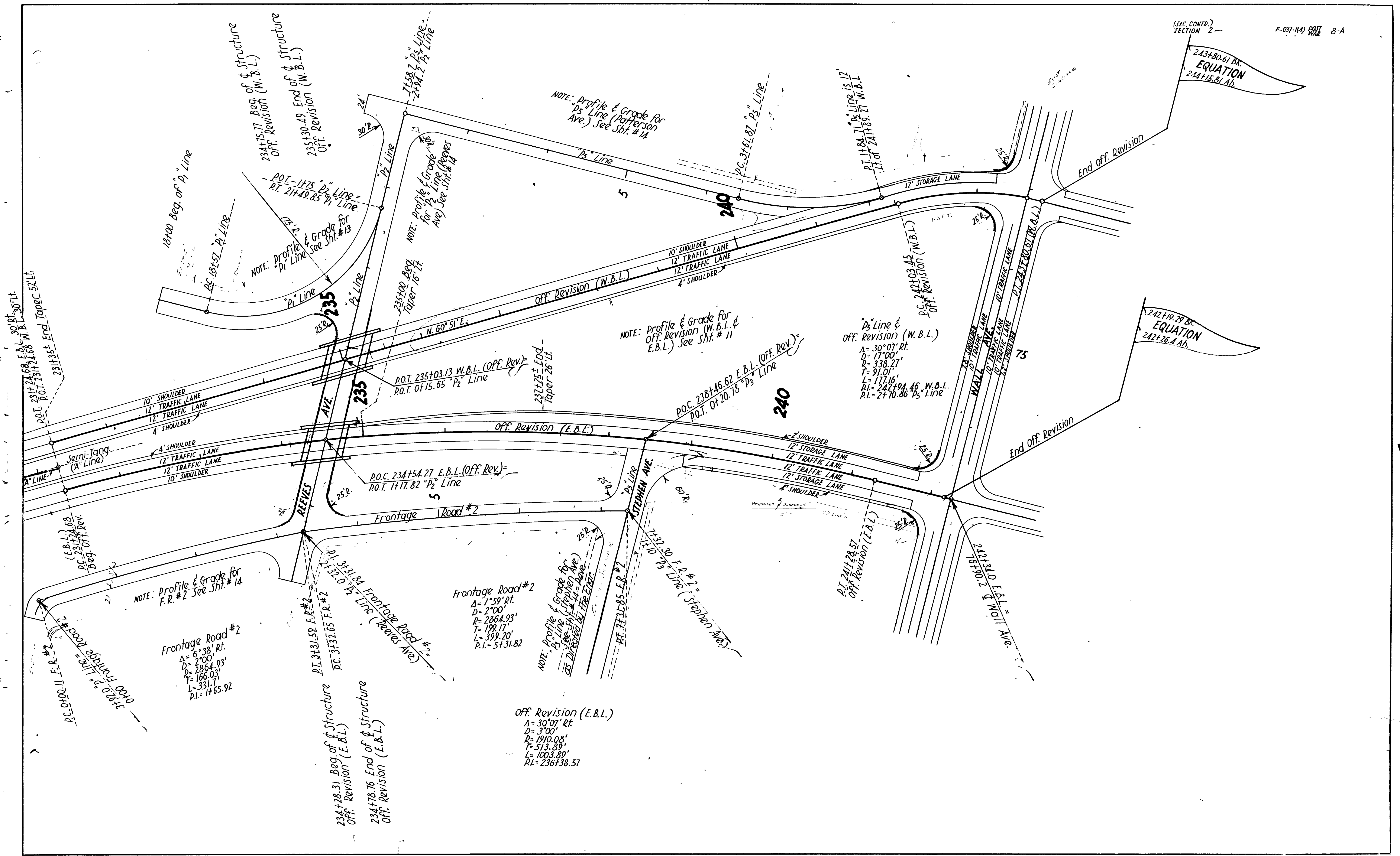
Surv. Line (W.B.L.)
 $\Delta = 14^{\circ}33'$
 $D = 4^{\circ}00'$
 $R = 1432.69'$
 $T = 182.7'$
 $L = 363.7'$
 $P.I. = 234+35.4$

Frontage Road #2
 $\Delta = 7^{\circ}59'$
 $D = 2^{\circ}00'$
 $R = 2864.93'$
 $T = 199.17'$
 $L = 399.20'$
 $P.I. = 5+31.82$

NOTE: Demolition of Structures and homes is not included in this contract.

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	R
238+00±	E.B.L.	24x130' R.C.P.	INLET 17'
241+70±	E.B.L.	24"x40' R.C.P.	OUTLET 2'
240+90±	W.B.L.	24"x260' R.C.P.	OUTLET 2'
240+80±	W.B.L.	46"x21"x140' C.M.P. ARCH	OUTLET 14'
238+00±	E.B.L.	CATCH BASIN	PROV. MT. SALVAGE
241+70±	"	"	PLACE IN
240+70±	W.B.L.	"	"
235+03.18	W.B.L.	55.49' O-D CONC. RIG. FR. O'PASS-120" O.	"
234+53.58	E.B.L.	51.16' O-D	"
231+24.68	234+75±	350.32' DEEP BEAM HWY. G.R. LT-12	"
235+31±	238+20±	289.00'	"
232+50±	234+75±	225.00'	"
235+21±	238+20±	289.00'	"
232+50±	234+75±	128.00'	"
234+79±	238+20±	361.00'	"
231+24.68	234+28	303.32'	"
234+79±	237+50	271.00'	"



243+80.61 BK.
EQUATION
244+15.81 Ad.

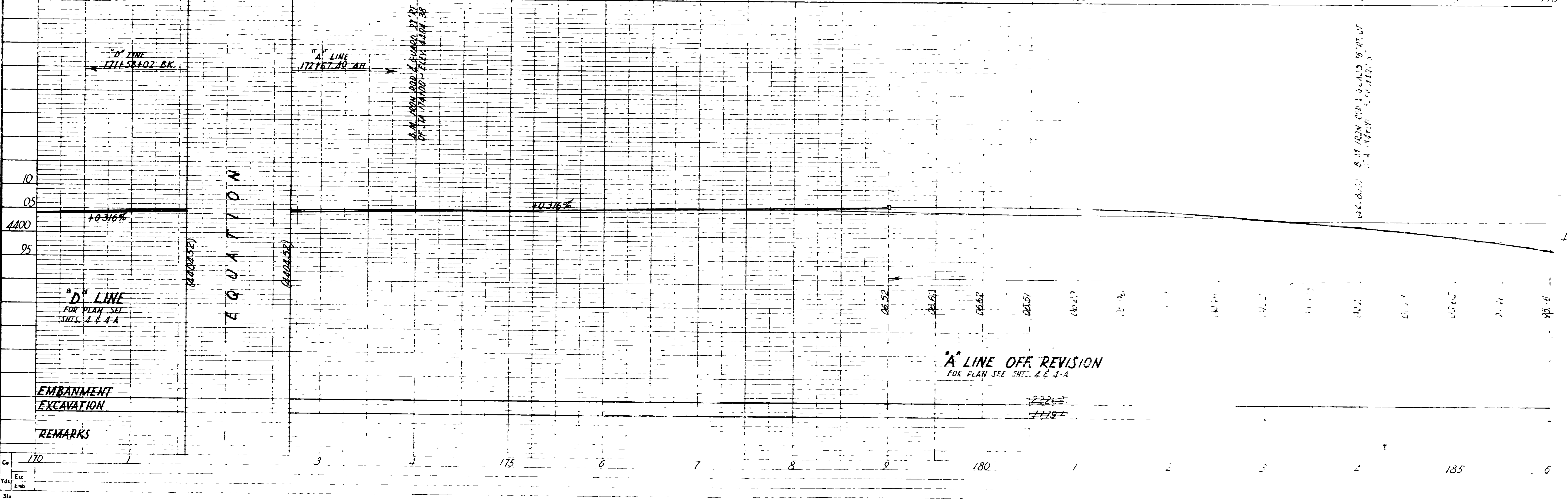
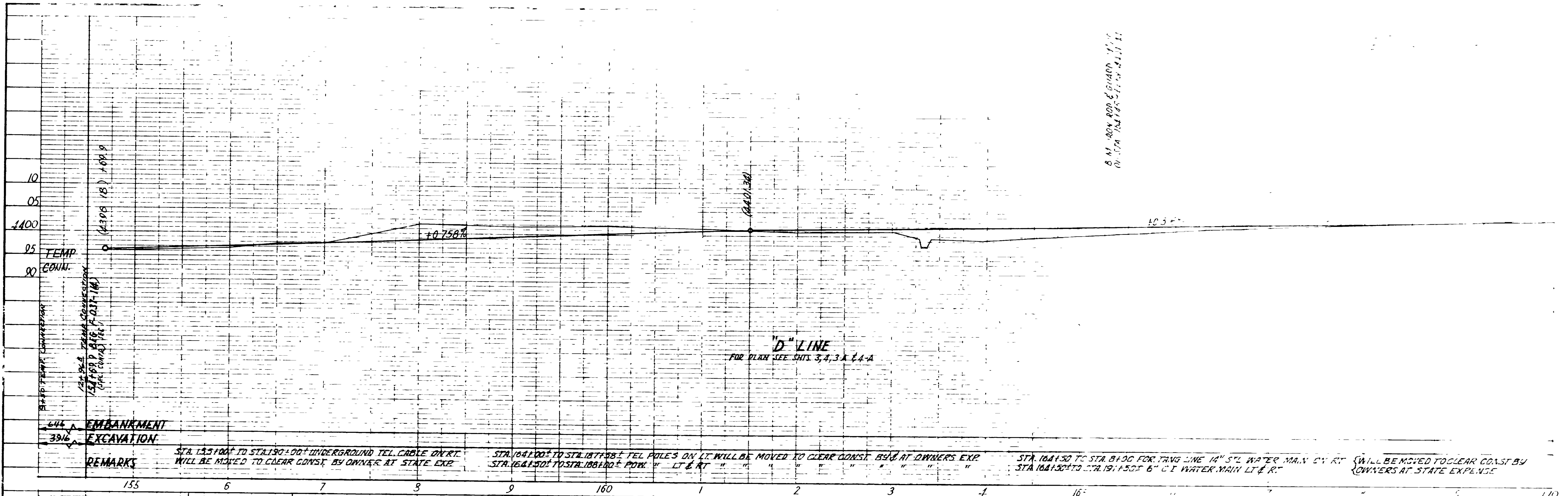
242+19.29 BK.
EQUATION
242+26.4 Ad.

Frontage Road #2
 $\Delta = 6^{\circ}38' \text{ Rt.}$
 $D = 2^{\circ}00'$
 $R = 2864.93'$
 $T = 166.03'$
 $L = 331.71'$
 $P.I. = 1+65.92$

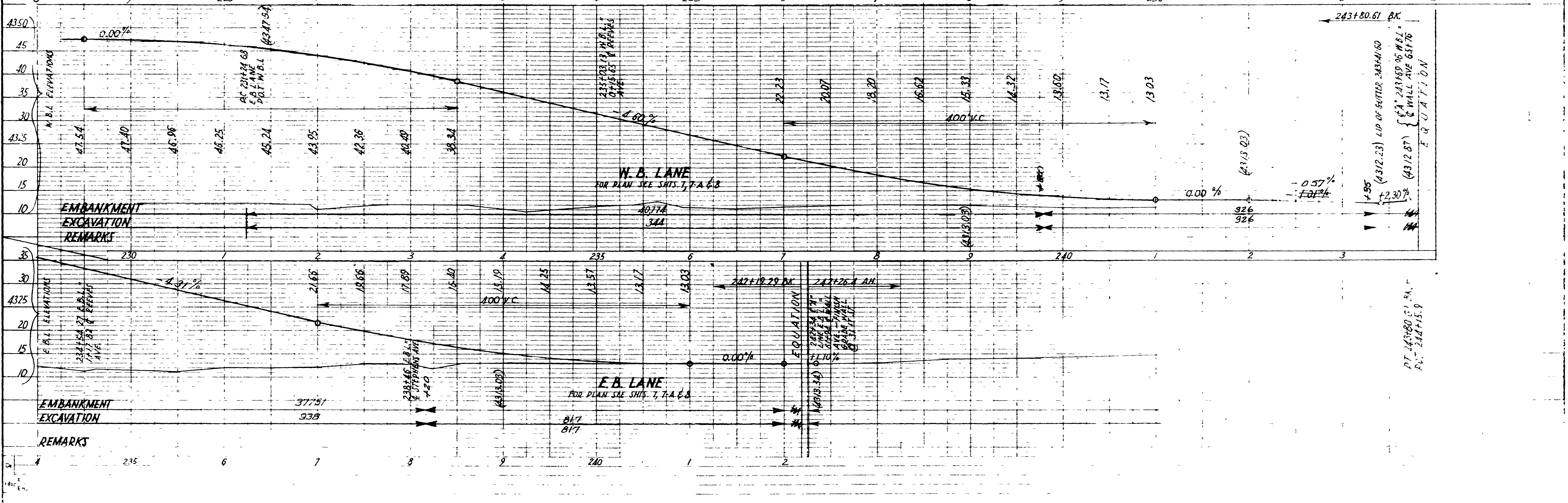
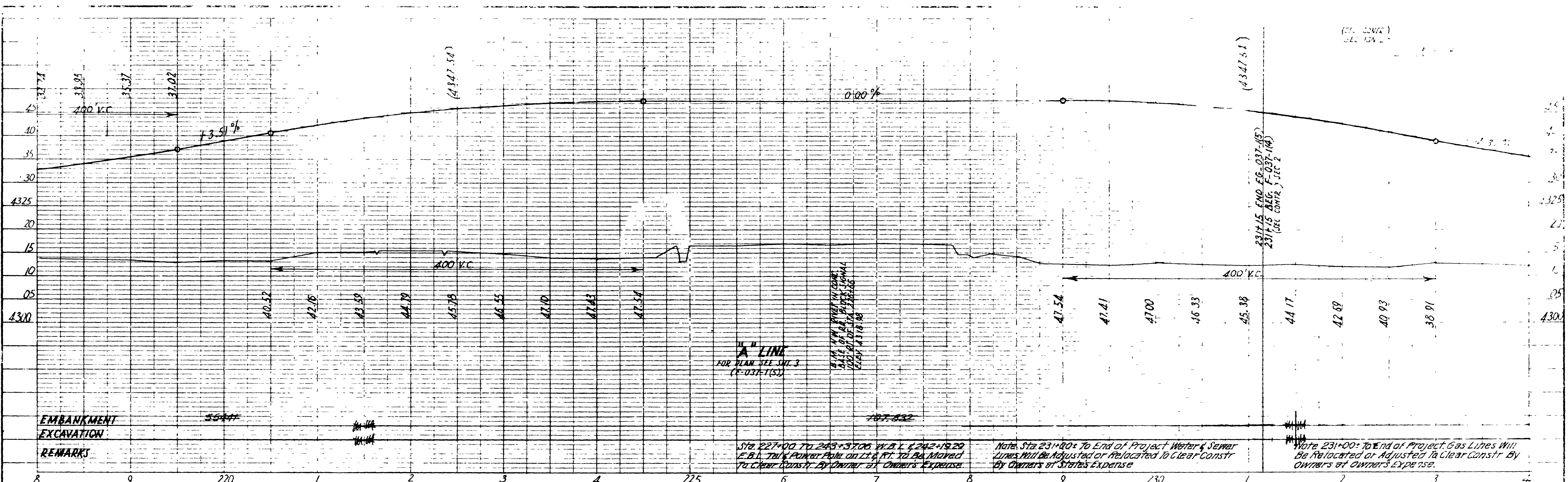
Frontage Road #2
 $\Delta = 7^{\circ}59' \text{ Rt.}$
 $D = 2^{\circ}00'$
 $R = 2864.93'$
 $T = 199.17'$
 $L = 399.20'$
 $P.I. = 5+31.82$

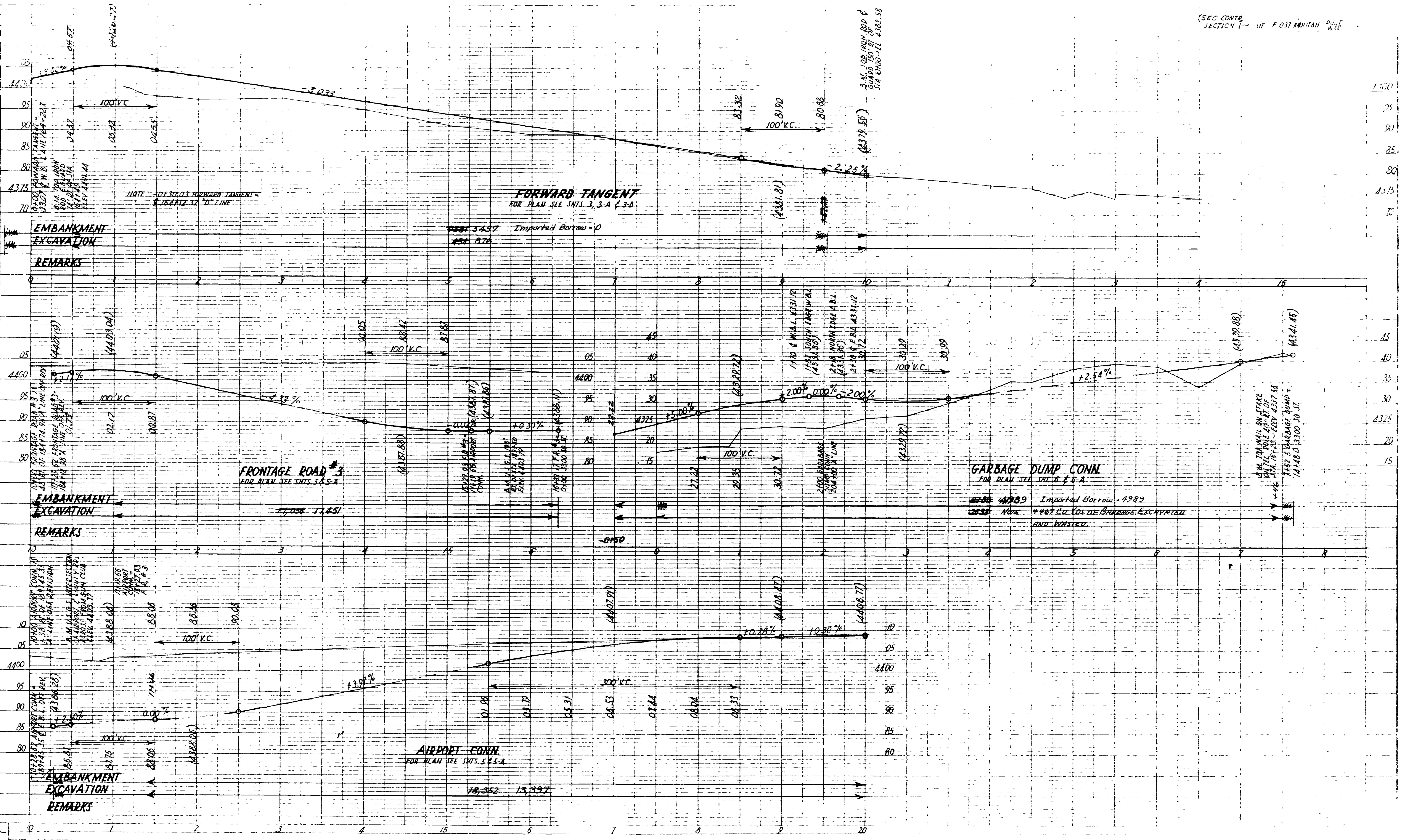
Off. Revision (E.B.L.)
 $\Delta = 30^{\circ}07' \text{ Rt.}$
 $D = 3^{\circ}00'$
 $R = 1910.08'$
 $T = 513.89'$
 $L = 1003.89'$
 $P.I. = 2367.38.57$

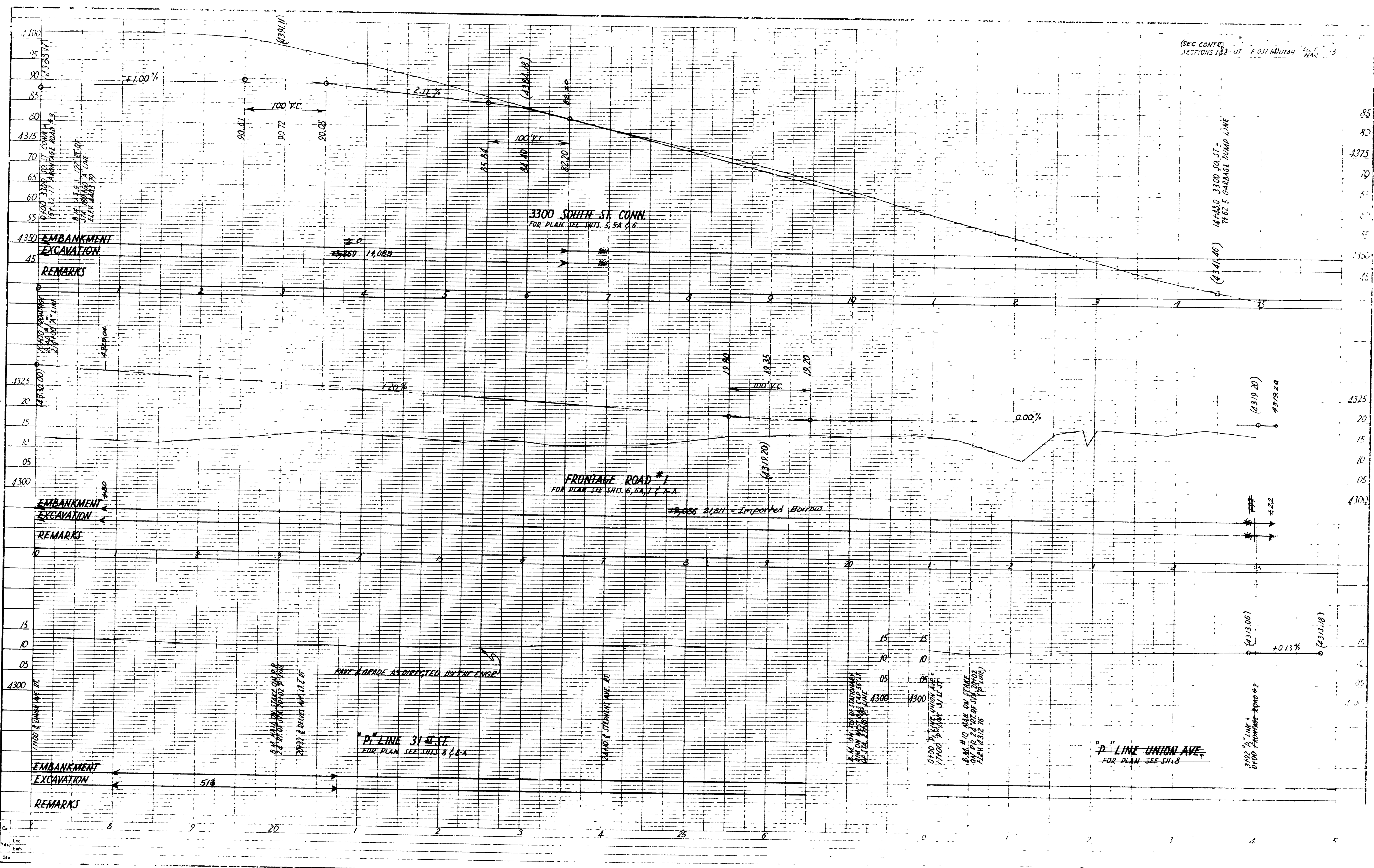
P₃ Line &
Off. Revision (W.B.L.)
 $\Delta = 30^{\circ}07' \text{ Rt.}$
 $D = 17^{\circ}00'$
 $R = 338.27'$
 $T = 91.01'$
 $L = 177.16'$
 $P.I. = 242+94.46 \text{ W.B.L.}$
 $P.I. = 2+70.86 \text{ P₃ Line}$



Ca	170	175	180	185	190
Exc					
Emb					
Sta					







4375
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
05
00
4300

0+00 1+00 2+00 3+00 4+00

1.00%
2.11%
1.20%
0.00%

100' V.C.
100' V.C.
100' V.C.

90.51 90.72 90.05
85.64 84.40 82.20
19.80 19.35 19.20
(4319.20) (4319.20)

3300 SOUTH ST. CONN.
FOR PLAN SEE SH. 5, 5A, 6

FRONTAGE ROAD #1
FOR PLAN SEE SH. 6, 6A, 7, 7-A

P LINE UNION AVE.
FOR PLAN SEE SH. 8

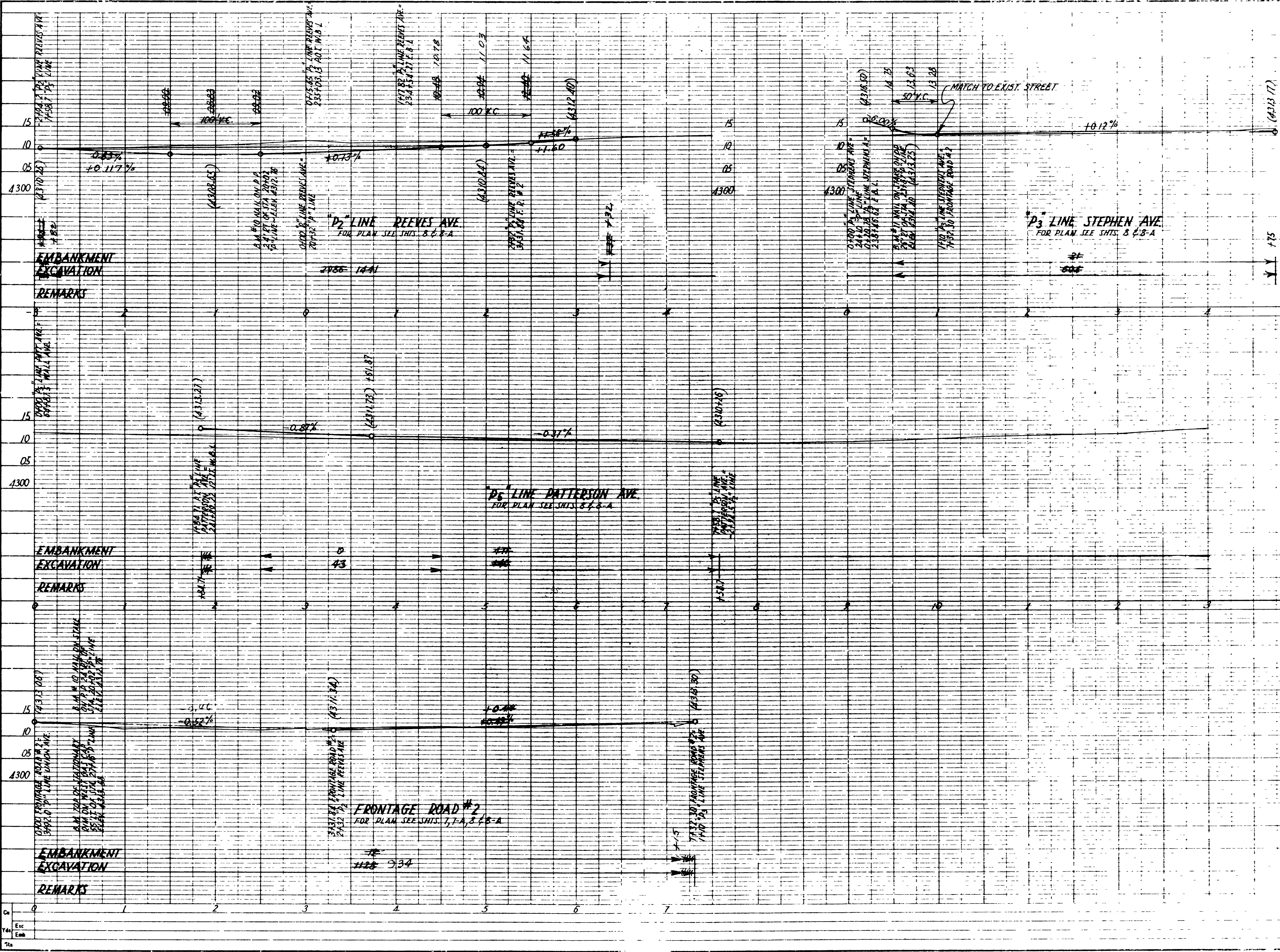
REMARKS
EMBANKMENT EXCAVATION
EMBANKMENT EXCAVATION
EMBANKMENT EXCAVATION

19,000 21,211 = Imported Borrow

PAVE & GRADE AS DIRECTED BY THE ENGR.

17400 5" LINE UNION AVE
ON P.S. 2-2-07 OF STA. 29403
ELEV. 4312.76 (P LINE)

3402 1/2" LINE
ON FRONTAGE ROAD #2



Ca	0
Exc	
Emb	
11a	

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DWG. NO.
153+90+	108' x 24' x 33" R.C.P.	PROV. CONC. END SEC'S	52' LT. & 56' RT.	B-160
163+45+	144' x 24' x 33" "	"	"	"
164+90+	24' x 68' "	"	"	"
17+90+	F. TANGENT	24' x 30' "	45' RT. OF 1+67 ~ 45' RT. OF 5+16	"
17+90+	"	24' x 68' "	55' LT. OF 1+56 ~ 55' LT. OF 5+24	"
17+90+73	"	"	"	"
154+69.9 ~ 156+15	TWO WAY DIV. BOX	65" LT.		V-376, 2, 4-3
154+69.9	I DELINEATOR LT.	TYPE I		B-154
154+69.9 ~ 179+89	22 DELINEATORS RT.	"		"
157+00 ~ 169+00	11 DELINEATORS LT.	TYPE II		"
156+15+	I DELINEATOR LT.	TYPE III		"
149+46 ~ 164+14	1464' R/W FENCE RT.	TYPE "B" METAL POSTS		B-157 Sht. 1
163+70 ~ 170+70	1845' " " RT.	TYPE "B" METAL POSTS		"
0+58 ~ 164+14	164+14 FORWARD TANGENT	380' 370' " " LT.	TYPE "B" " "	"
150+34 ~ 163+83	1363' R/W FENCE LT.	TYPE "B" METAL POSTS		"
154+70 ~ 164+50	1890' " " RT.	"		"
154+70	1 F.A.P. MARKER	TO BE PLACED IN CENTER OF MEDIAN		"
0+26	24" x 156" PLAIN CONC PIPE	46' LT. ~ 1+73 61' LT.		"
1+73	24" x 262' "	61' LT. ~ 1+39 61' LT.		"
4+39	24" x 68' R.C.P.	61' LT. ~ 5+07 61' LT.		"
162+12	22" x 13' x 16' C.M.P. ARCH	67' LT. ~ 164+28 67' RT.		"
153+90	STANDARD CATCH BASIN	PLACED IN MEDIAN		V-750, L-2
164+14	1-12' GATE AND GATE POST	90' RT. ~ 90' RT. OF 164+24		"

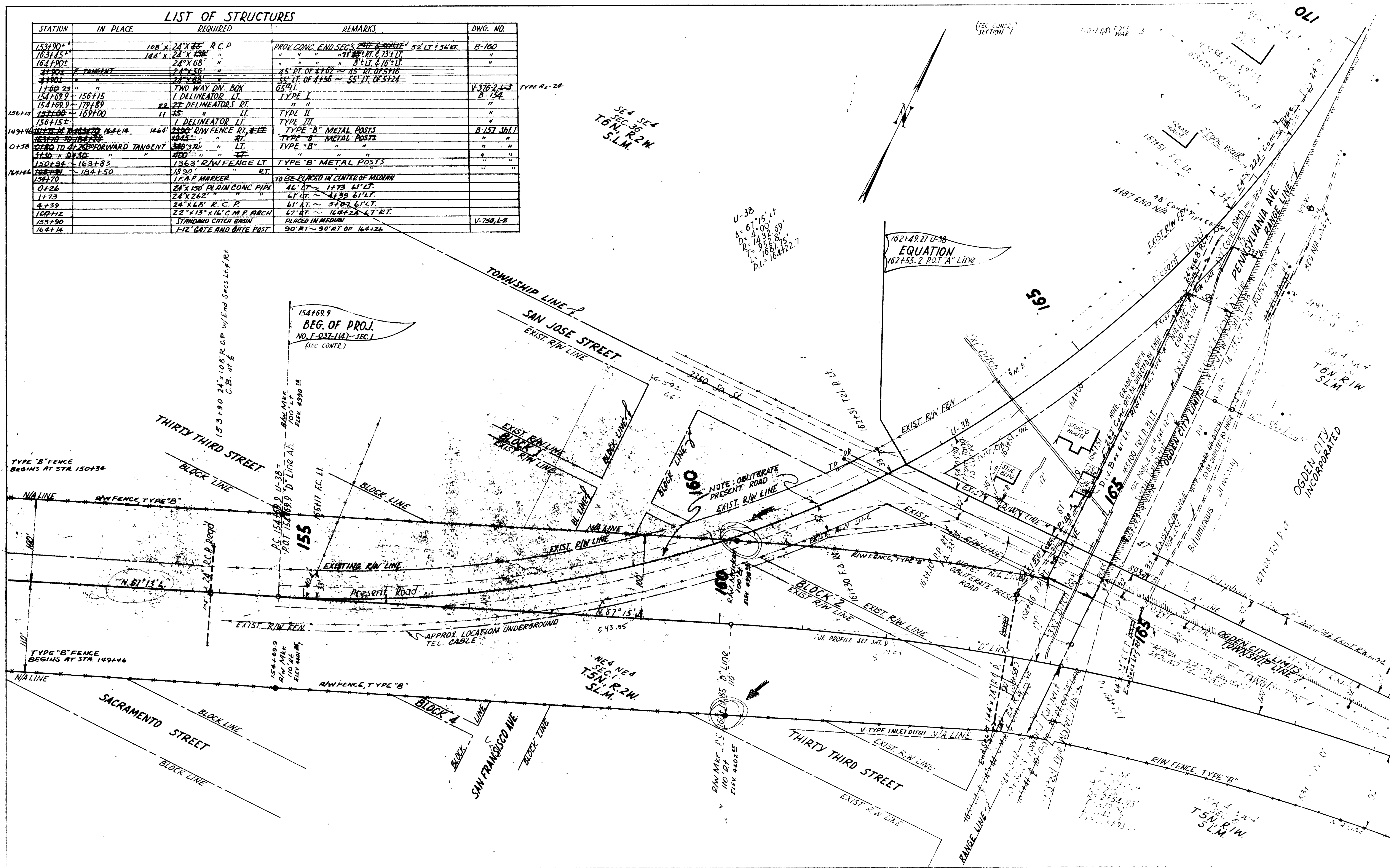
SEA SEA
SEC. 36
T. 6N. R. 2W.
S. 1.M.

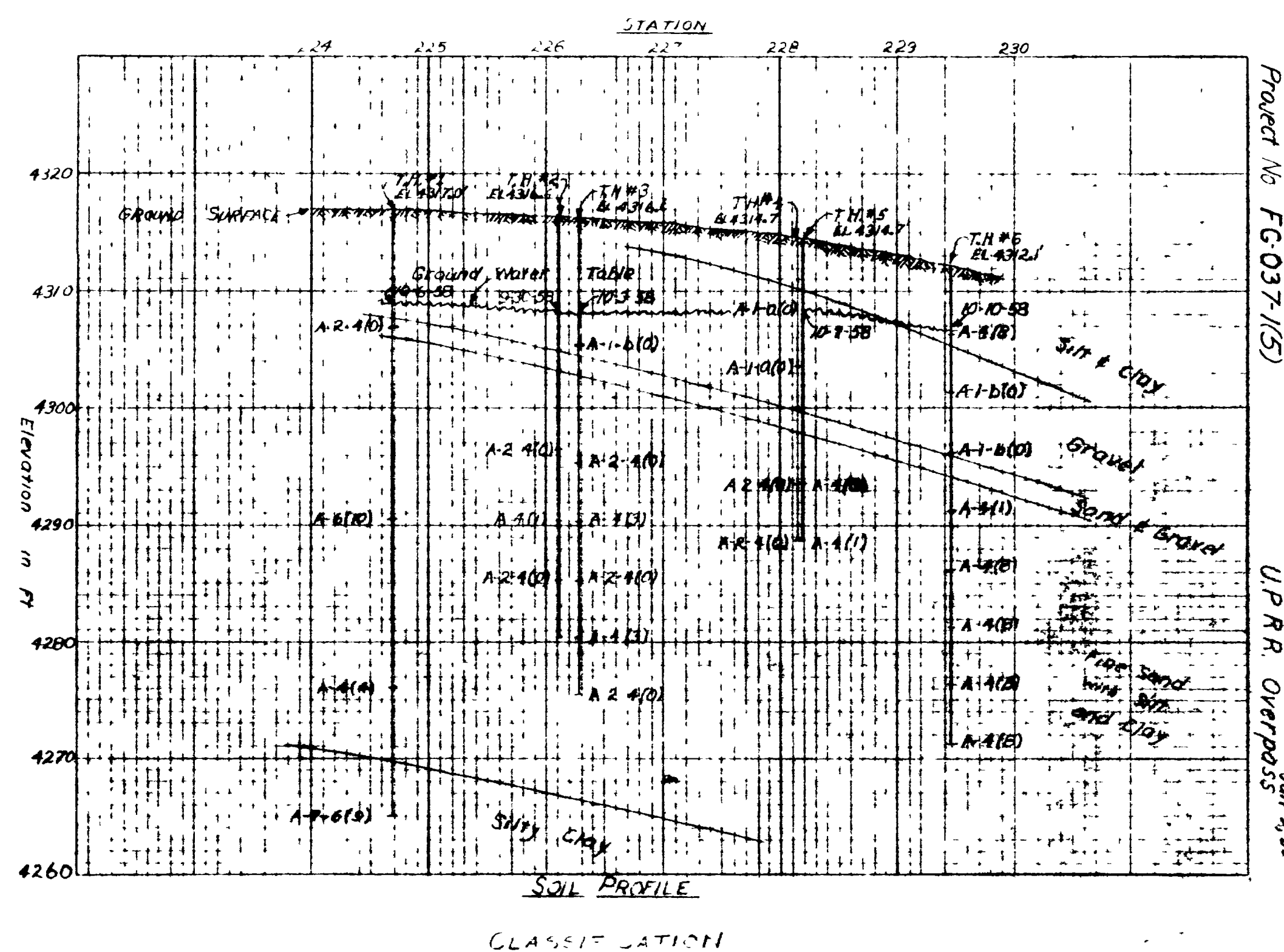
U-38
A= 67°15' LT
D= 4°00' 69'
R= 1432' 89'
T= 952' 85'
L= 1681' 25'
P.I.= 164722.7

162+49.27 U-38
EQUATION
162+55.2 P.O.T. 'A' LINE

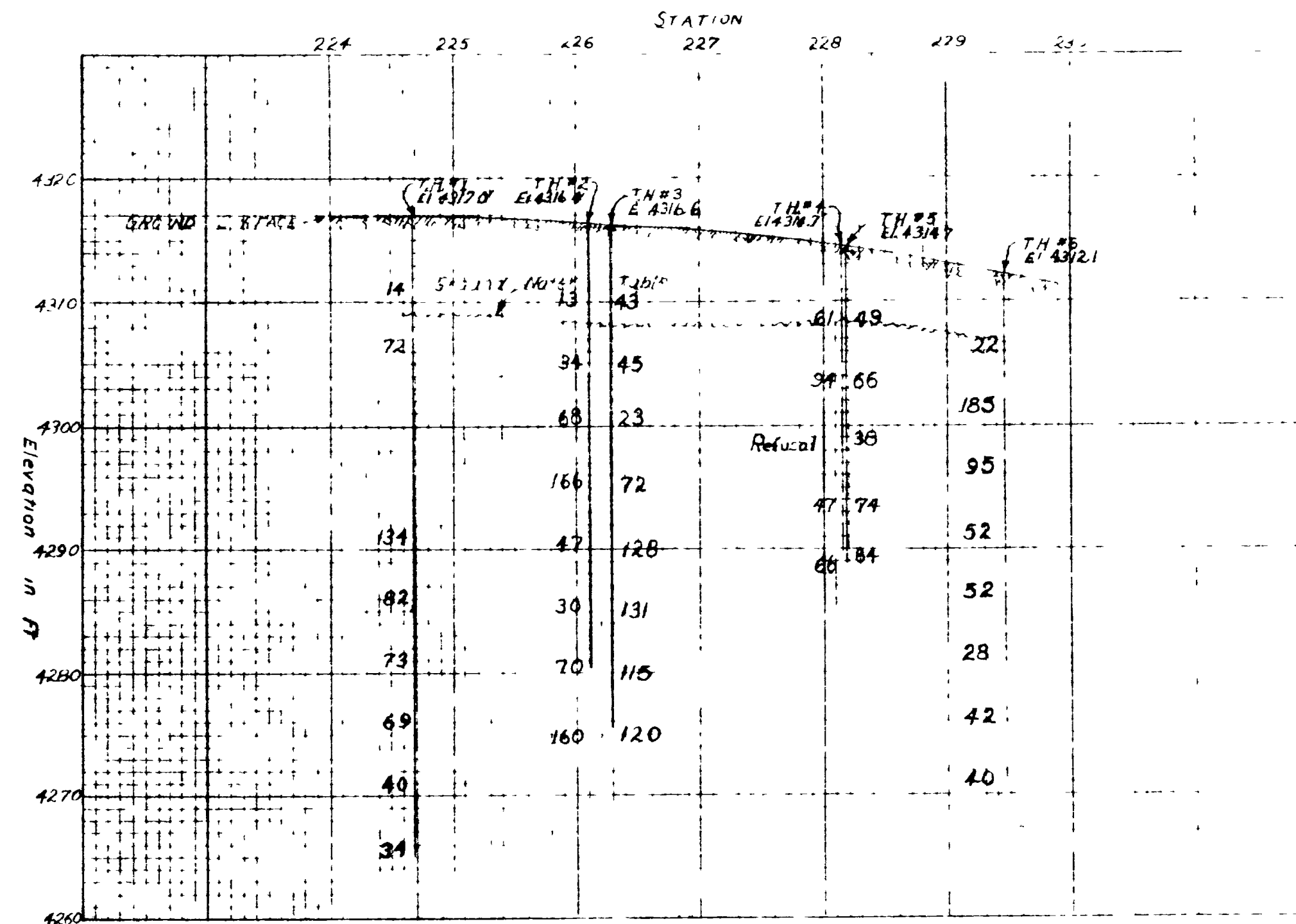
154+69.9
BEG. OF PROJ.
NO. E-037-1(4)-SEC. 1
(SEC. CONTR.)

REVISIONS





CLASSIFICATION



N VALUES

GENERAL NOTES

Materials, construction and workmanship shall conform and comply with the State Standard Specifications for Road and Bridge Construction, 1952, and all Supplements thereto which are in effect at date of request for bids.

All reinforcing steel shall be intermediate grade Standard A-305 reinforcing bars. All dimensions relating to reinforcing steel are to outside of bars.

Type II cement required: Low Alkali.

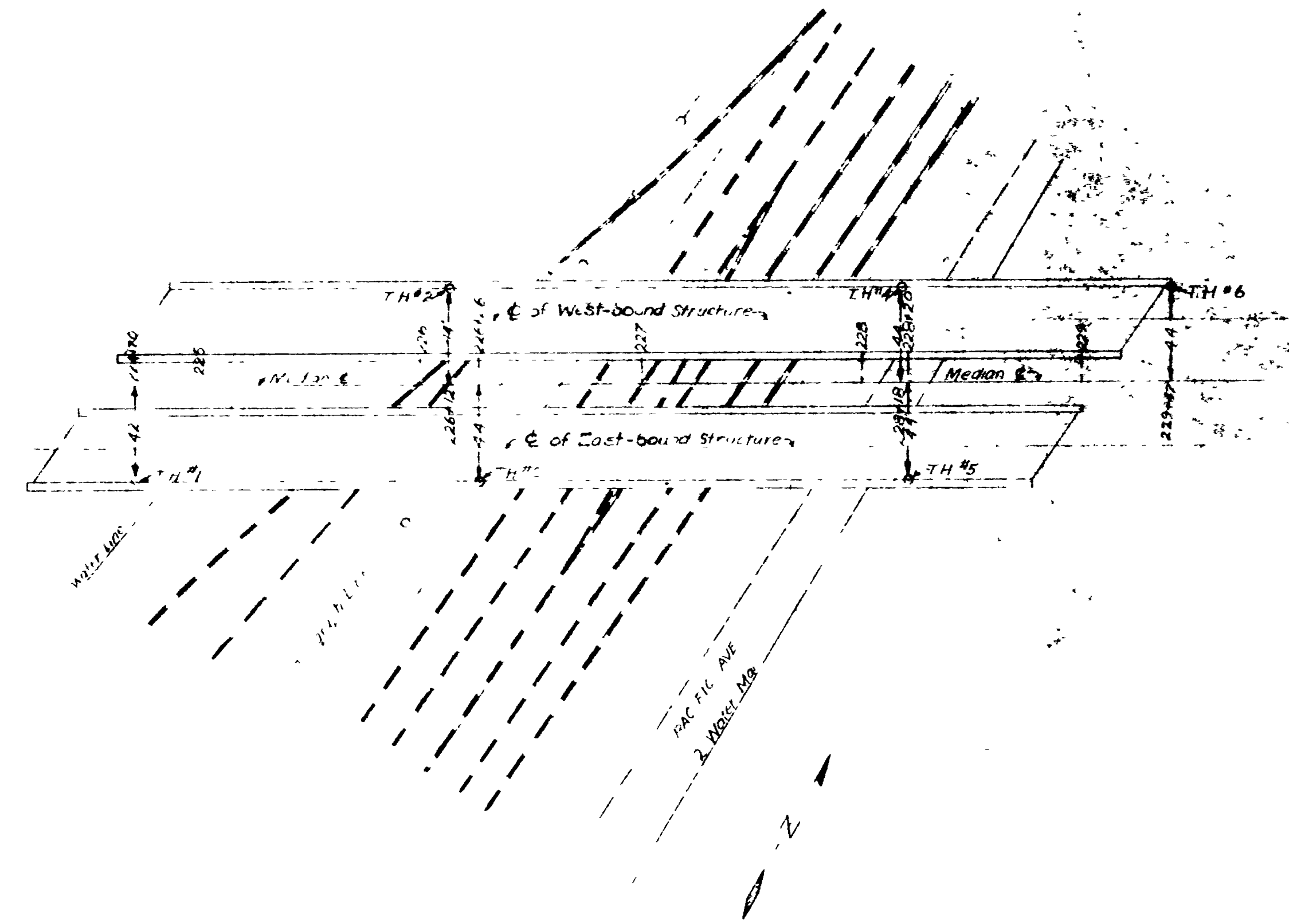
Construction of foundations shall conform with the specifications of the Engineer.

DESIGN DATA

LIVE LOAD: Interstate Alternate Loading
H20-S16-44 loading in accordance with the A.A.S.H.O. Specifications of 1957.
fc=1200 p.s.i. fs=20,000 p.s.i. fs(Structural Steel) 18,000 p.s.i.

QUANTITIES

Excavation for Structures (Unclass)	1238	234	1
Concrete Class 'A'	319,766	1594	1540
Reinforcing Steel	320,091	320,099	319,275
Structural Steel	3	1371,249	26,000
Steel Hardware			



JOINT FILLER SCHEDULE FOR MAIN SLABS & APPROACH SLABS

VARIES
1/2" THICK

4 pcs @ 10'-0" x 9 1/2" x 1/2" = 40'-0" LINEAL FEET OF JT. FILLER
 2 pcs @ 46'-2" x 9 1/2" x 1/2" = 92'-4" "
 2 pcs @ 36'-7" x 9 1/2" x 1/2" = 73'-2" "
 2 pcs @ 5'-4" x 9 1/2" x 1/2" = 10'-8" "
 2 pcs @ 8'-3" x 9 1/2" x 1/2" = 16'-6" LINEAL FEET OF JT. FILLER

VARIES
1/2" THICK

4 pcs @ 36'-7" x 6 1/2" x 1/2" = 146'-4" LINEAL FEET OF JT. FILLER
 8 pcs @ 3'-1" x 6 1/2" x 1/2" = 24'-8" LINEAL FEET OF JT. FILLER

Payment for furnishing and placing Joint Filler shall be included in the Contract Unit Price for Concrete Class 'A'.
Joint Filler shall be A.A.S.H.O. Designation M-153-54.

UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

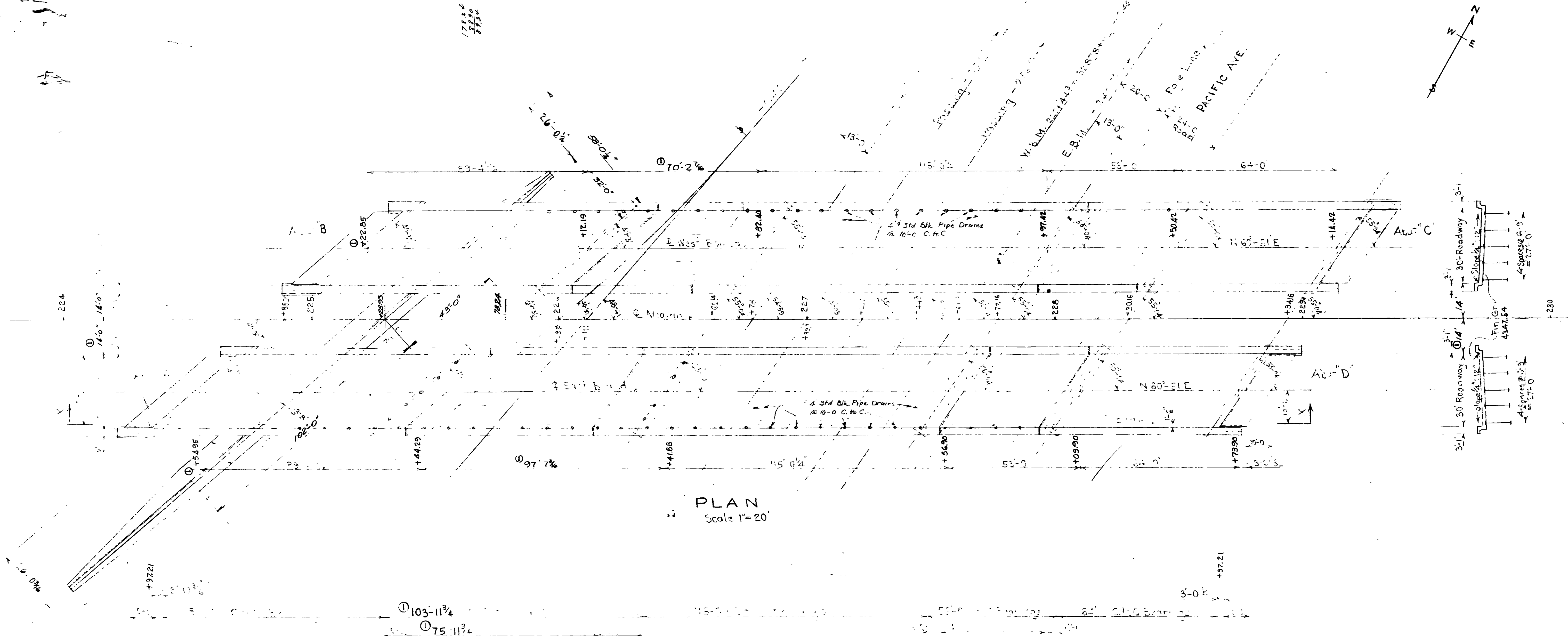
UTRR OVERPASS
4215 W. 124th St. 1162
Sta 226+00 to 230+00
at SR 38 in West Valley

FME
RBJ

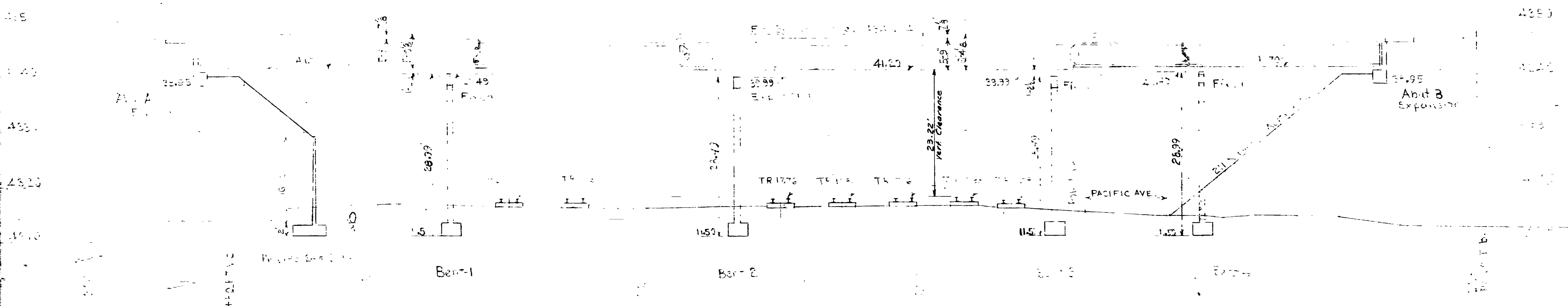
29-208-1-2 10/3/54

REVISIONS

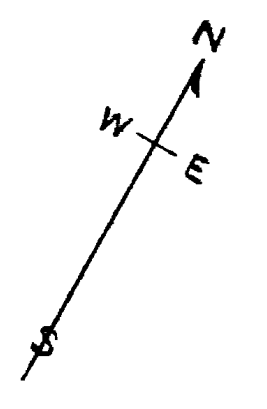
NO.	DATE	BY
1	1/9/58	...
2	1/9/58	...
3	1/9/58	...



PLAN
Scale 1"=20'

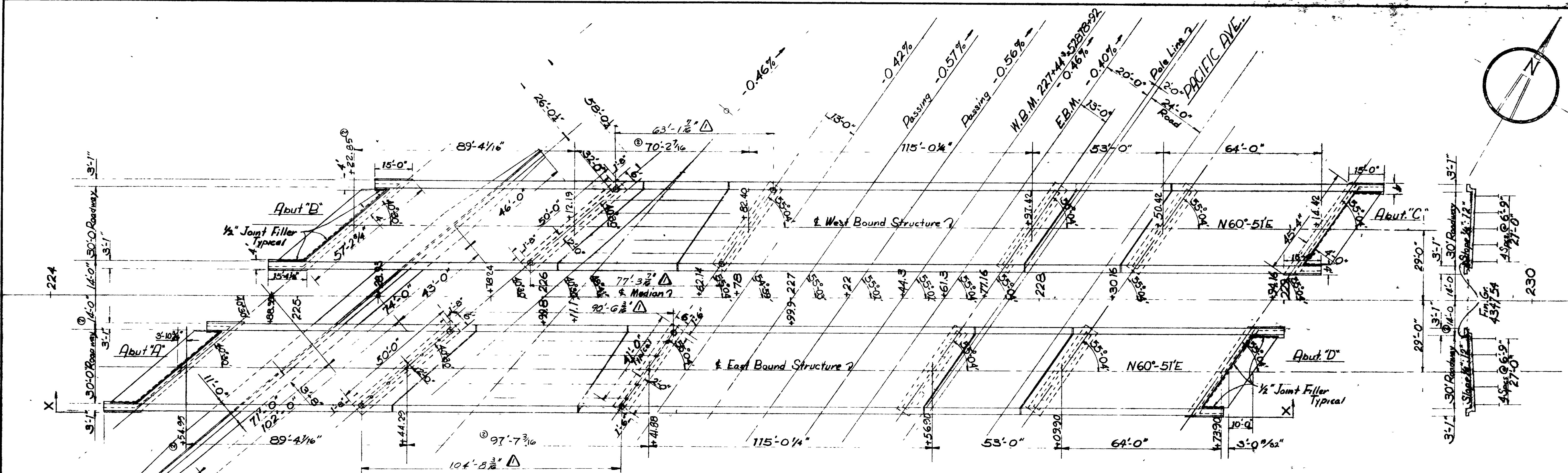
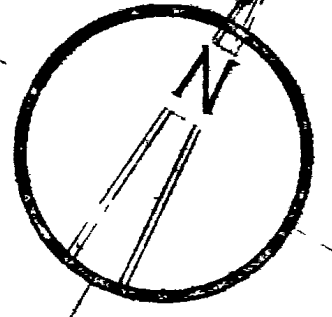


SECTION X-X ON OUTSIDE BEAM
Scale: HORIZ. 1"=20'
VERT. 1"=10'



SHEET 2 OF 17 SHEETS

UTAH STATE ROAD COMMISSION SALT LAKE CITY, UTAH BRIDGE DEPARTMENT	
UPRR OVERPASS	
412.16 O.T.O. 124°56' X-ING	
Sta 226+31.53 FG-097-1(5)	
Int. SR 58E-Jct Wall And Below Water Co.	
DESIGNED BY F.M.E.	SCALE AS SHOWN
DRAWN BY F.M.E.	ISSUED
TRACED BY J.H.B.	APPROVED
CHECKED BY J.H.B.	DATE
NO. 29-208-1-2	DR. NO. C-5

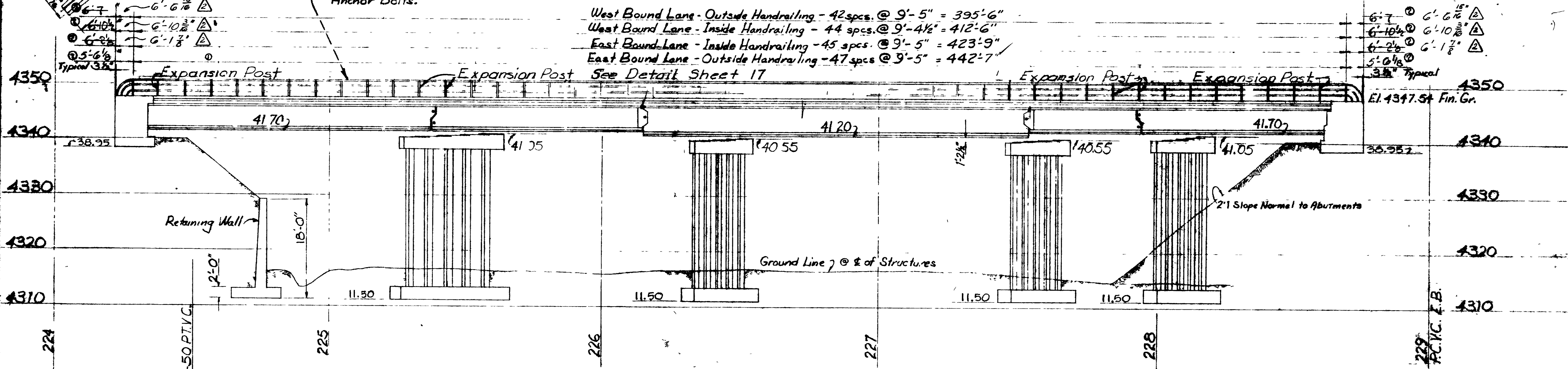


PLAN
Scale 1" = 20'

See Drawing S.R.3-2 for Hand-railing detail. Type "C" & "D" Anchor Bolts.

- West Bound Lane - Outside Handrailing - 42 spcs. @ 9'-5" = 395'-6"
- West Bound Lane - Inside Handrailing - 44 spcs. @ 9'-4 1/2" = 412'-6"
- East Bound Lane - Inside Handrailing - 45 spcs. @ 9'-5" = 423'-9"
- East Bound Lane - Outside Handrailing - 47 spcs @ 9'-5" = 442'-7"

See Detail Sheet 17



VIEW "X-X" OF EAST BOUND STRUCTURE
Scales: Hor. 1" = 20', Vert. 1" = 10'

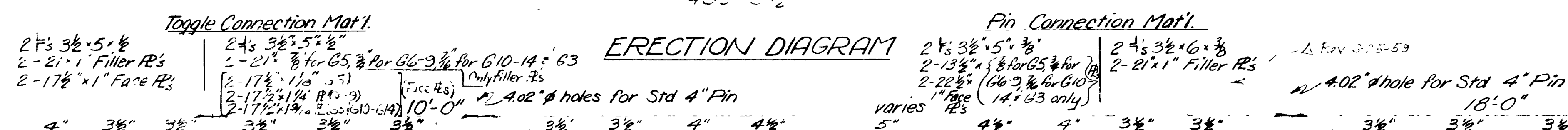
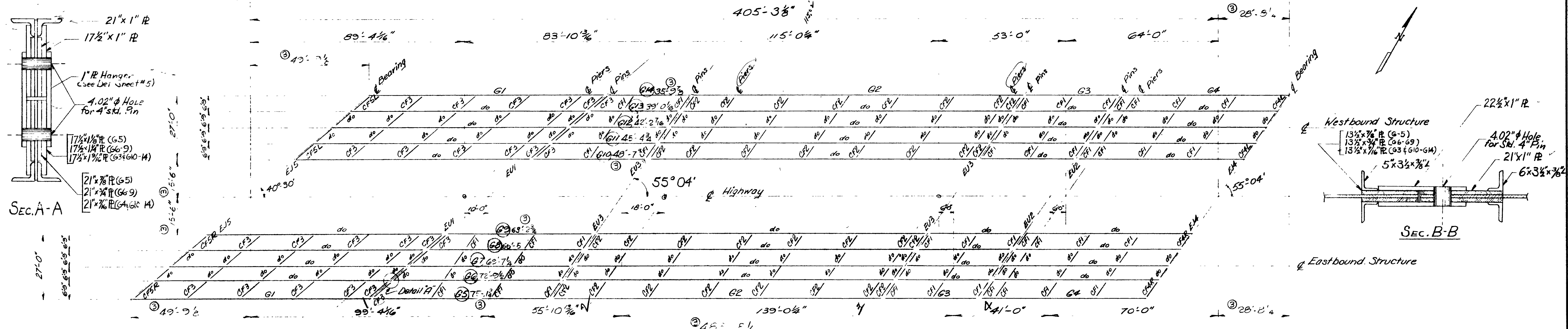
NEW
REVISED
POINT
1/10/60

UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

U.P.R.R. OVERPASS
412.160 To 0.124 56' X 116' L
Sta 226+91.49 FG-037-1652
Incl. S.R. 802E Incl. Wall Br. 0.124 to 0.160

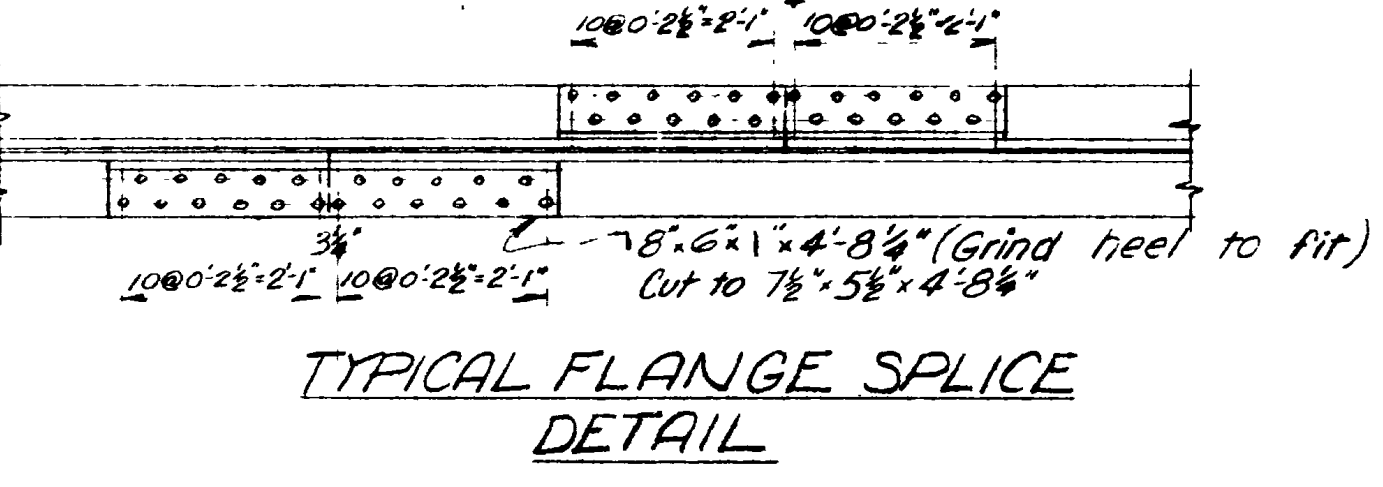
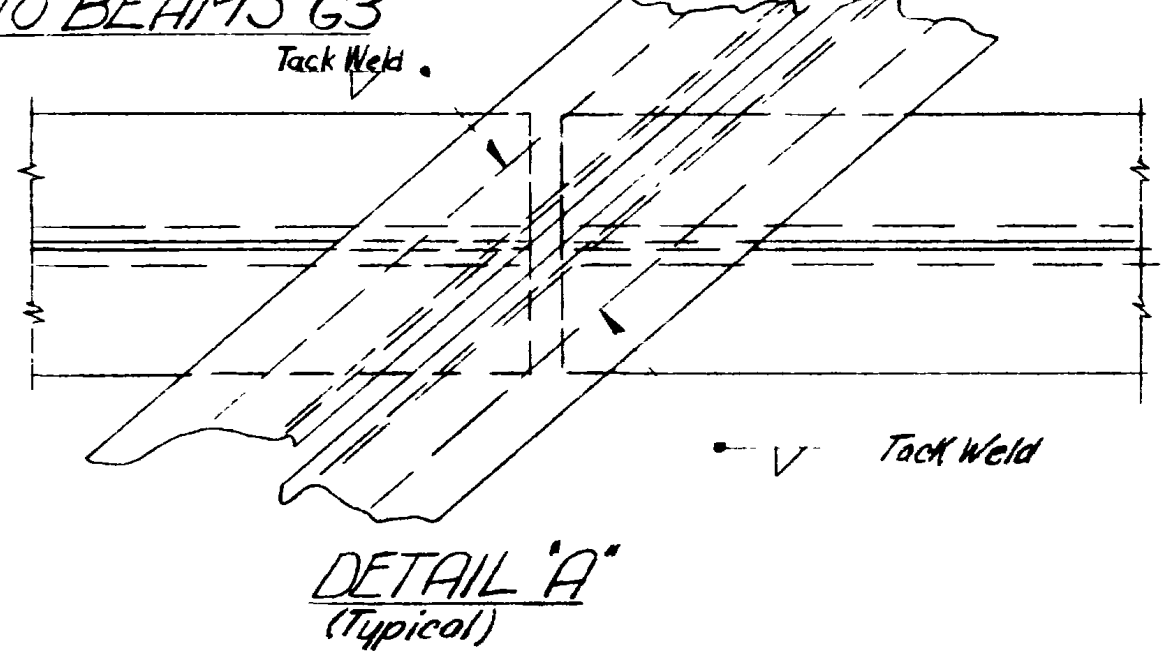
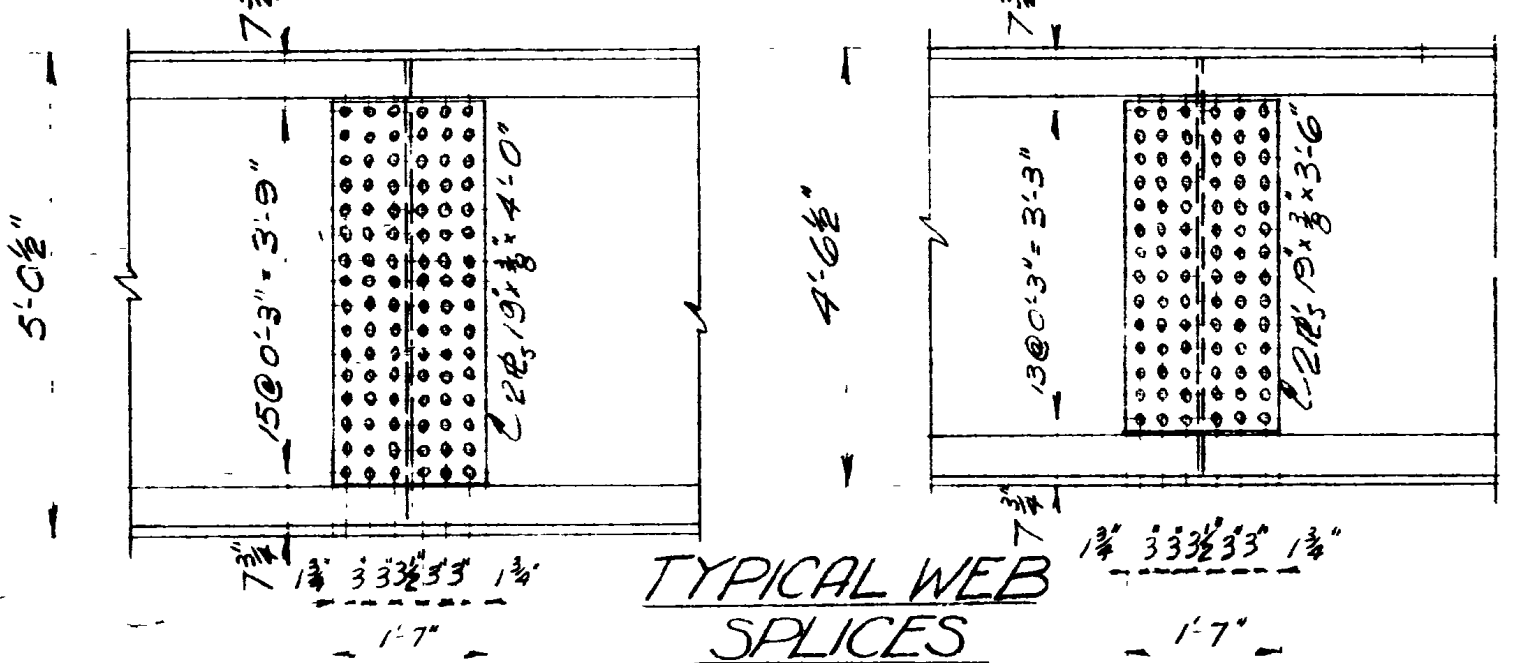
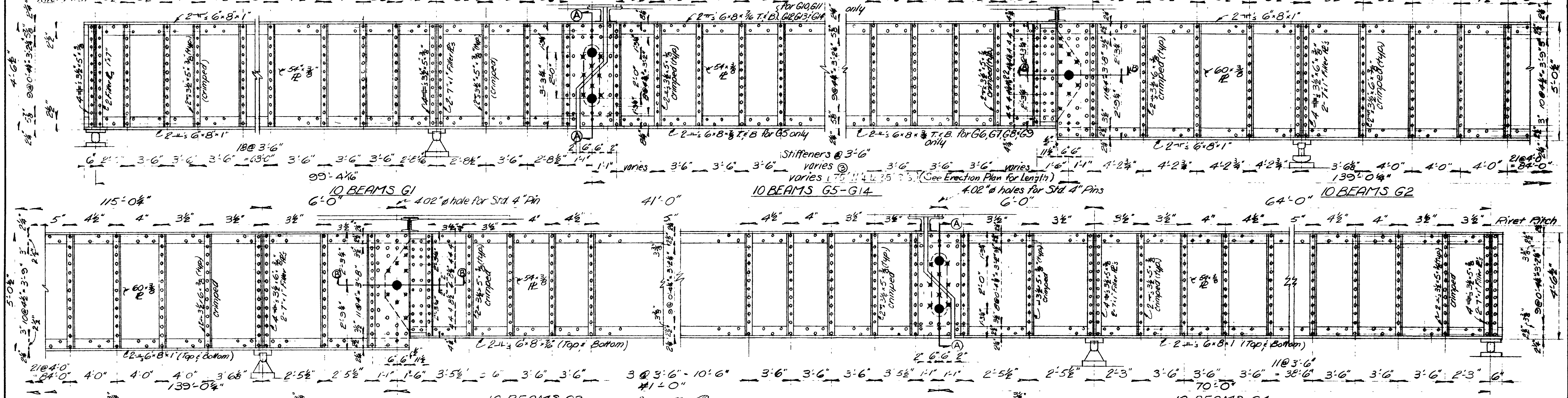
DESIGNED BY F.M.E.
DRAWN BY T.E.G.
CHECKED BY [Signature]
APPROVED BY [Signature]

BR. NO. 29-208-1-2 DRS. No. C-311



REVISIONS

NO.	DATE	BY	DESCRIPTION
1	10-2-53	J.P.B.	Eliminated 2-17 1/2" x 1" and 15 Beams 32
2	10-2-53	J.P.B.	2-17 1/2" x 1" and 15 Beams 32



Note:
 All rivets 5/8"
 Near side hangers and face plates have been removed for clarity.
 Use filler R's and uncrimped angles where cross frames are attached.
 For camber diagram see sheet 5 following

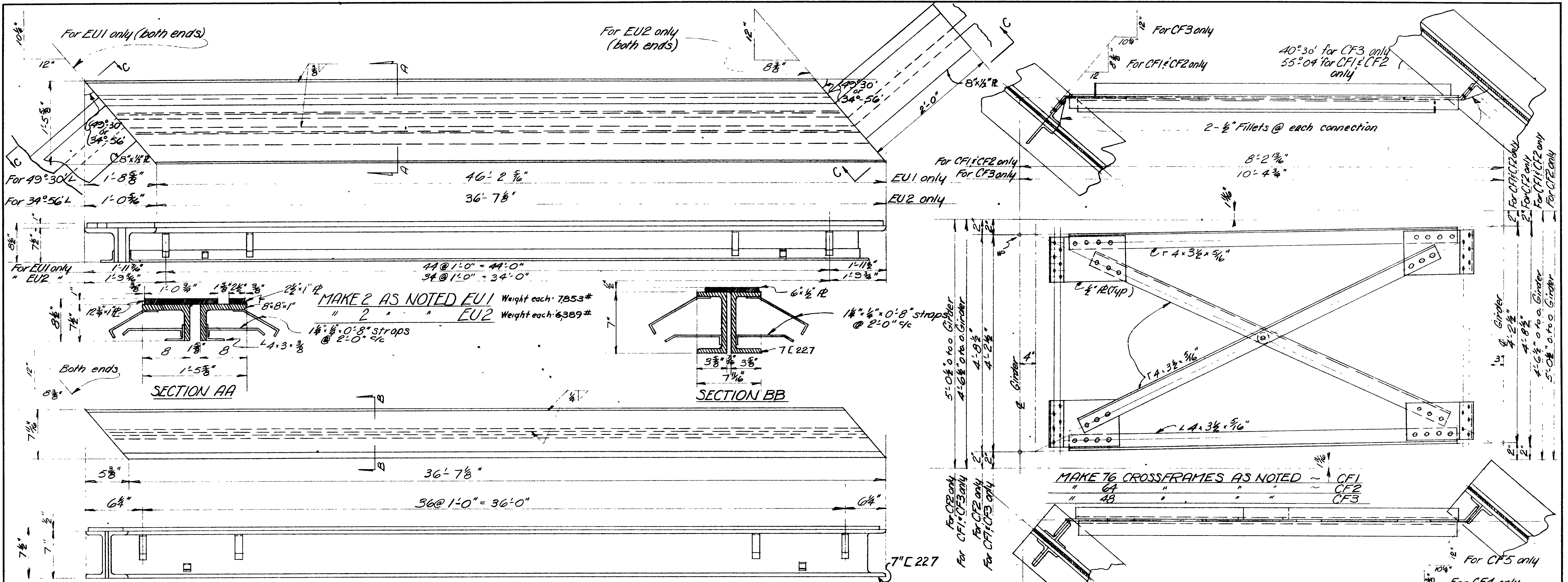
SHEET 4 OF 17 SHEETS

UTAH STATE ROAD COMMISSION
 SALT LAKE CITY UTAH
 BRIDGE DEPARTMENT

UPRR. OVERPASS
 412.16 o.100.124-56 xing L
 Sta. 227+3.65 FG-037 (KS) Weber Co
 Jct SR38E - Jct. Wall Ave. Ogden

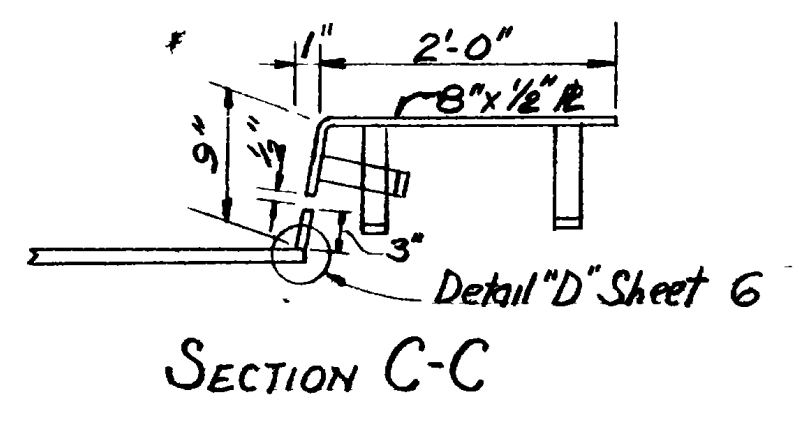
DESIGNED BY FME
 DRAWN BY AHN
 TRACED BY
 CHECKED BY J.B.S. - M.E.
 NO. 29-208-1-2 DRG. NO. C-314

SCALE No Scale
 ISSUED
 APPROVED
 CHIEF BRIDGE ENGINEER



MAKE 4 THUS EU3 Weight each: 2101#

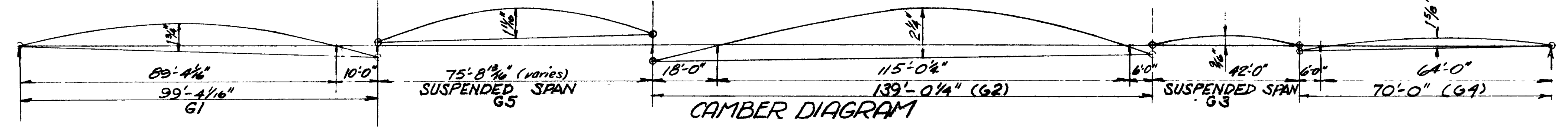
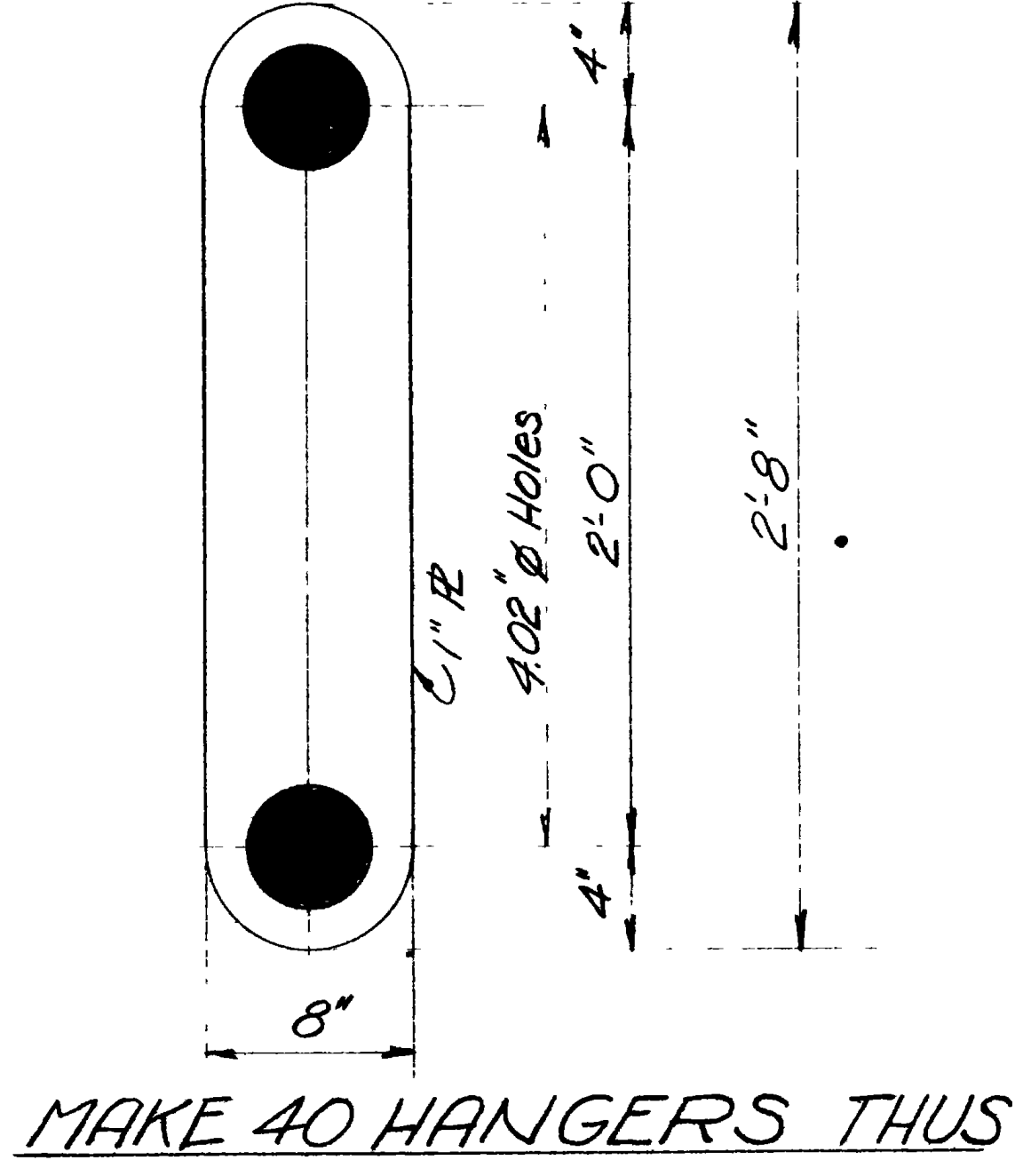
EXPANSION UNITS
(AT GIRDER CONNECTIONS)



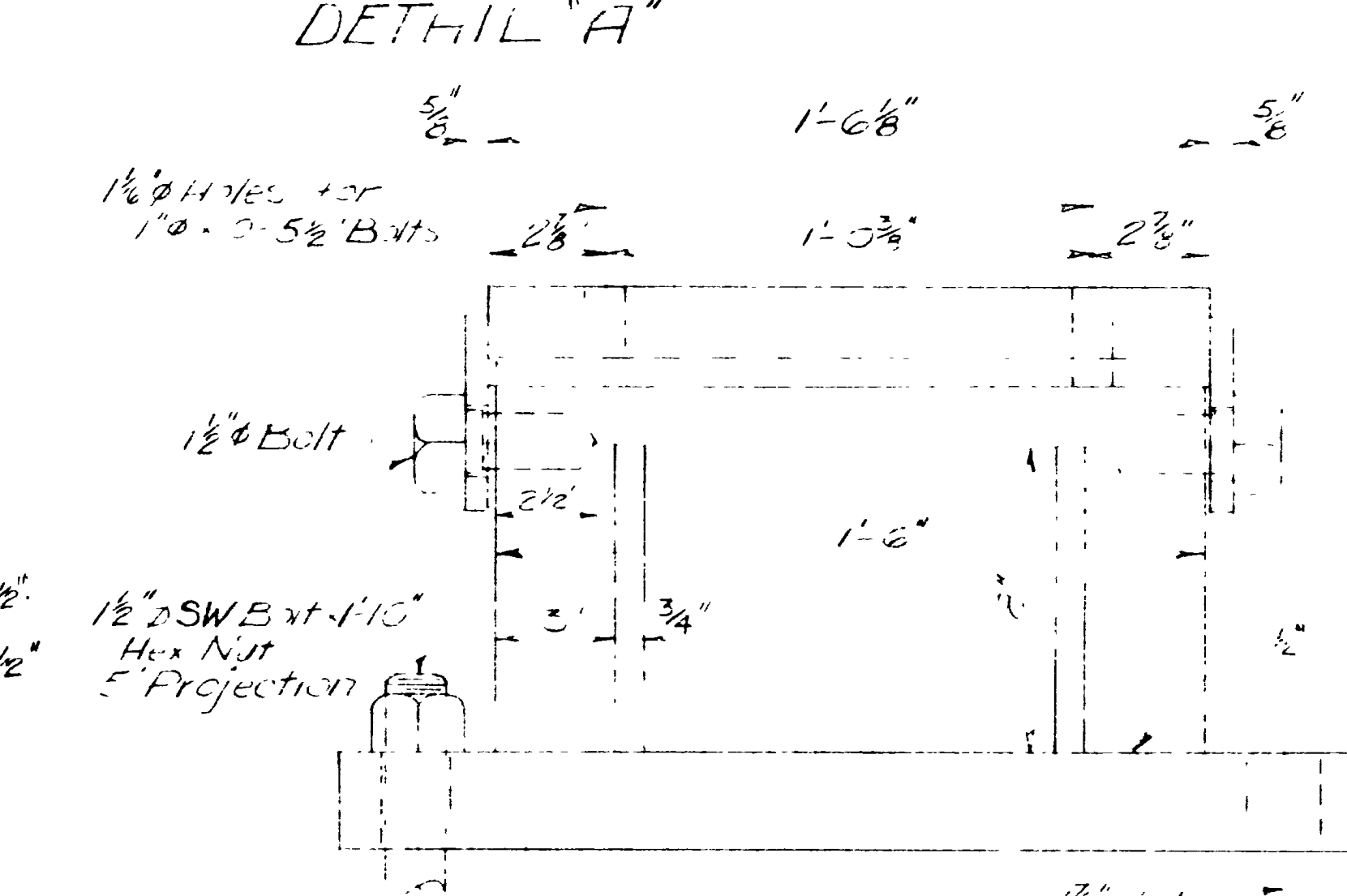
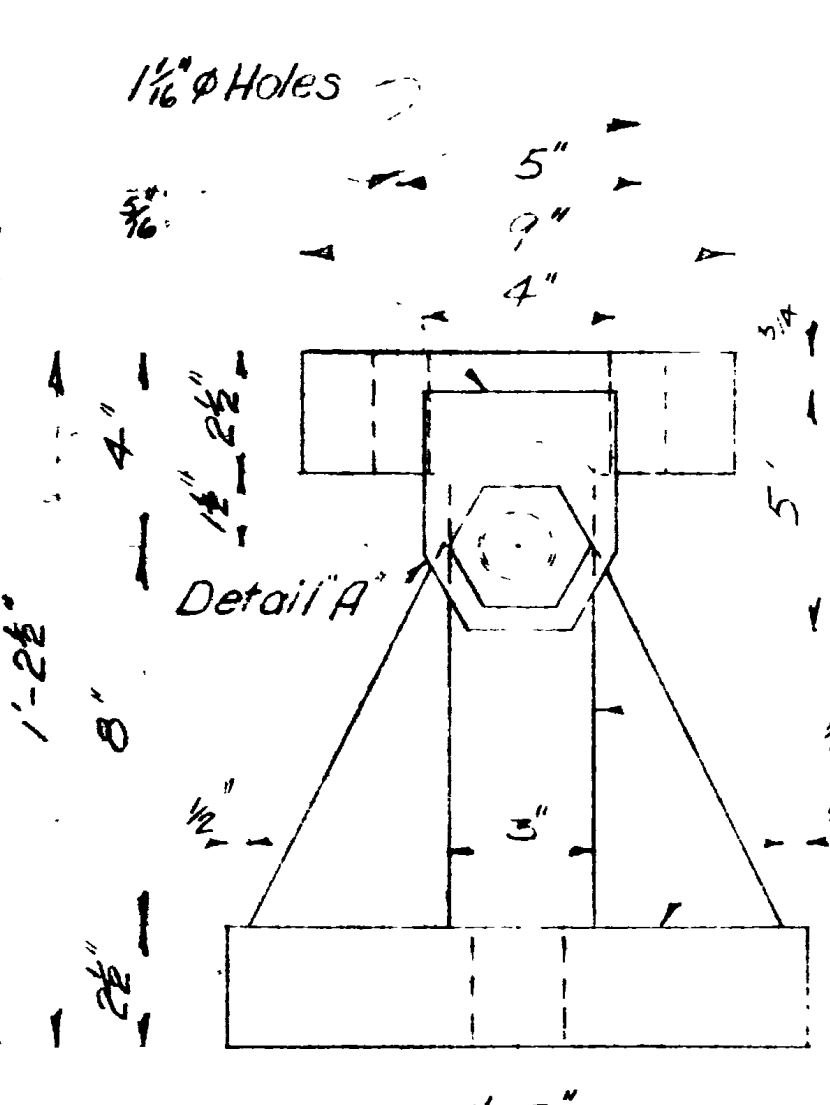
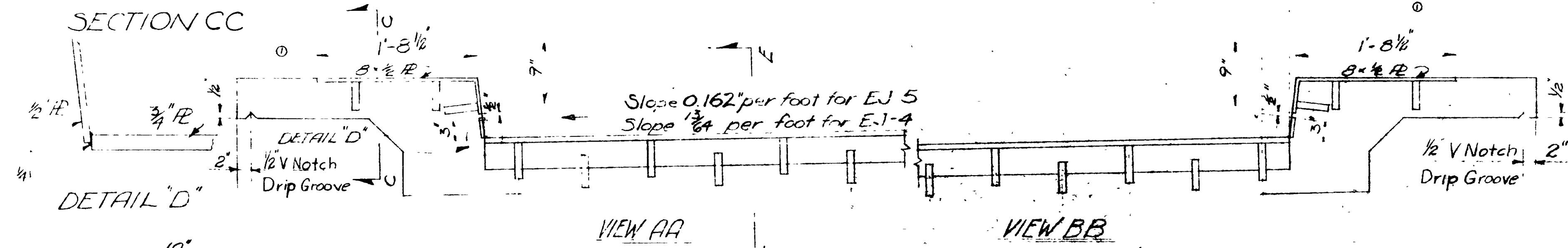
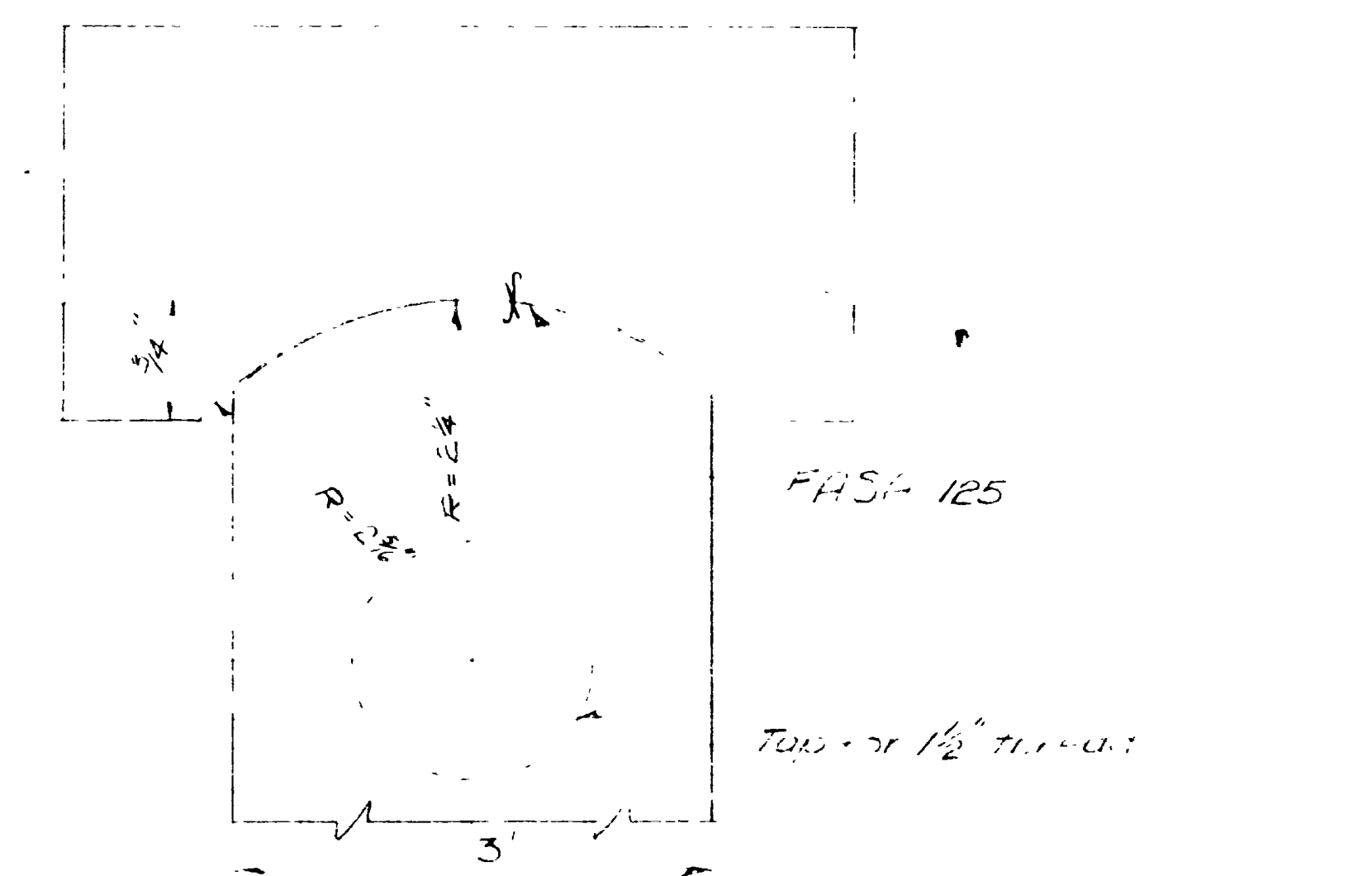
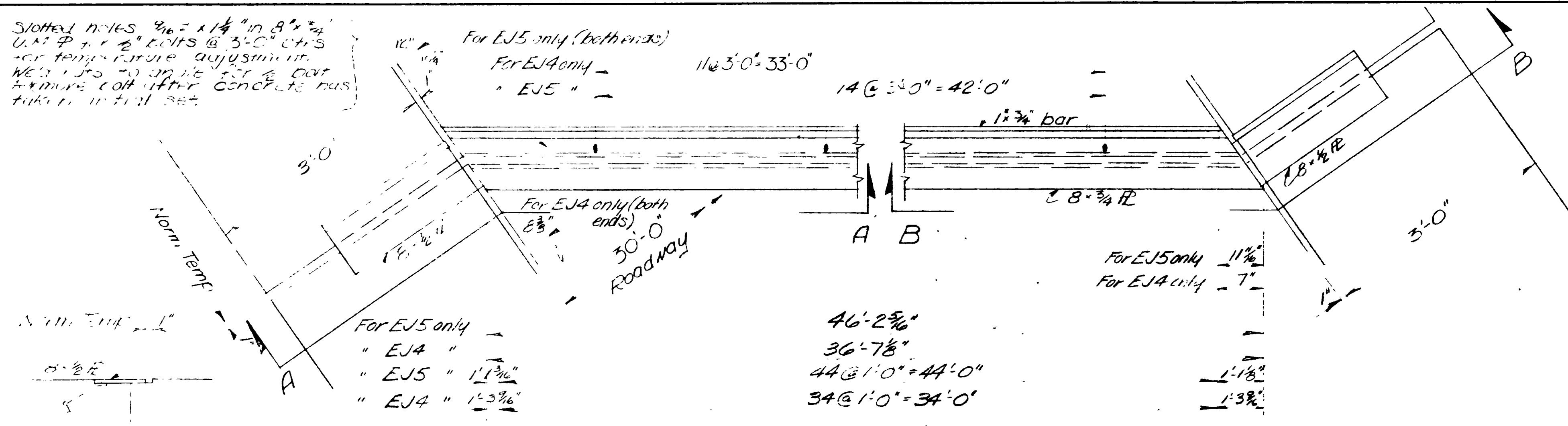
CAMBER NOTES:
Differential between calculated and built-in camber can be allowed for in camber strip over steel girders, but no change in thickness of slab to bring concrete to grade will be made.

CAMBER BEAMS G5-14

G5	1 1/4"
G6	1 3/8"
G7	1 1/2"
G8	1 5/8"
G9	1 3/4"
G10	1 7/8"
G11-14	negligible



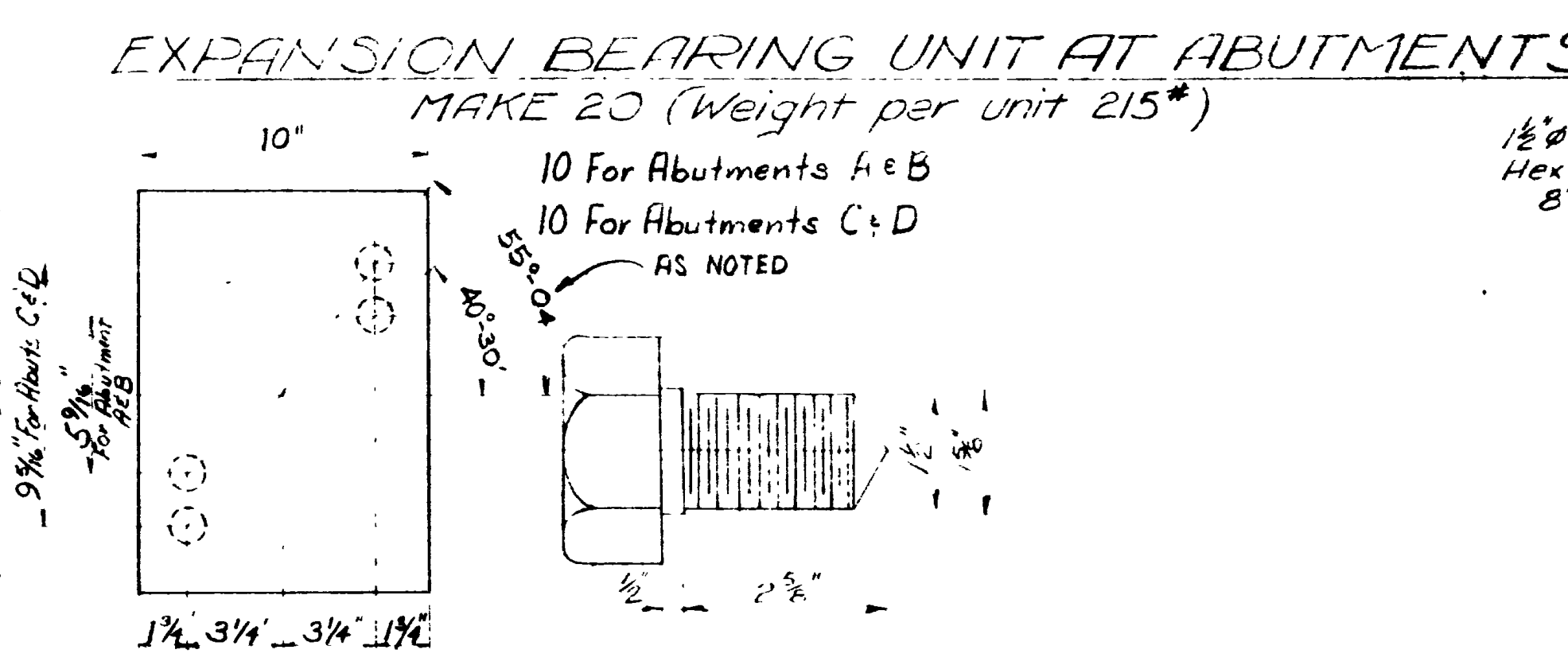
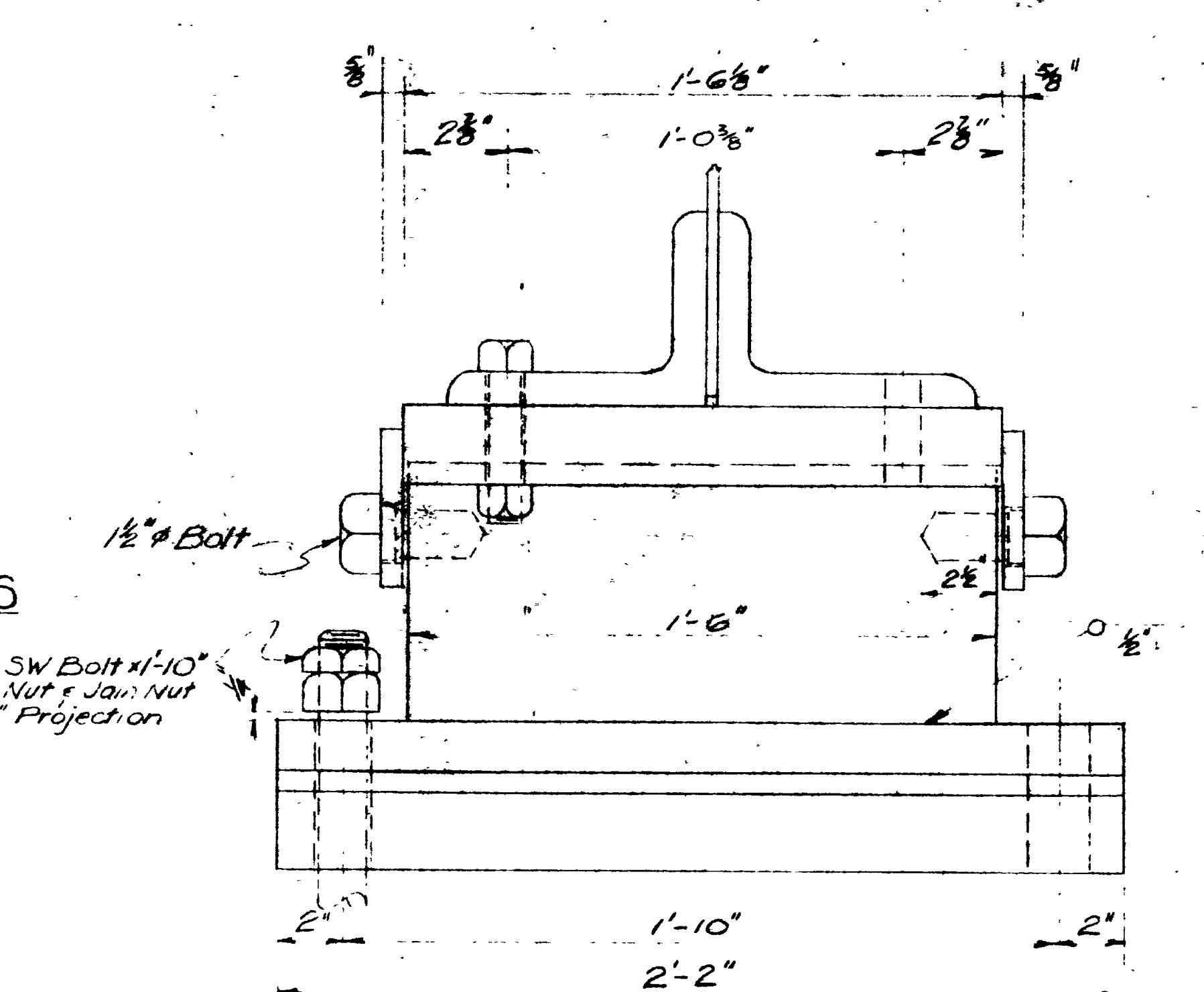
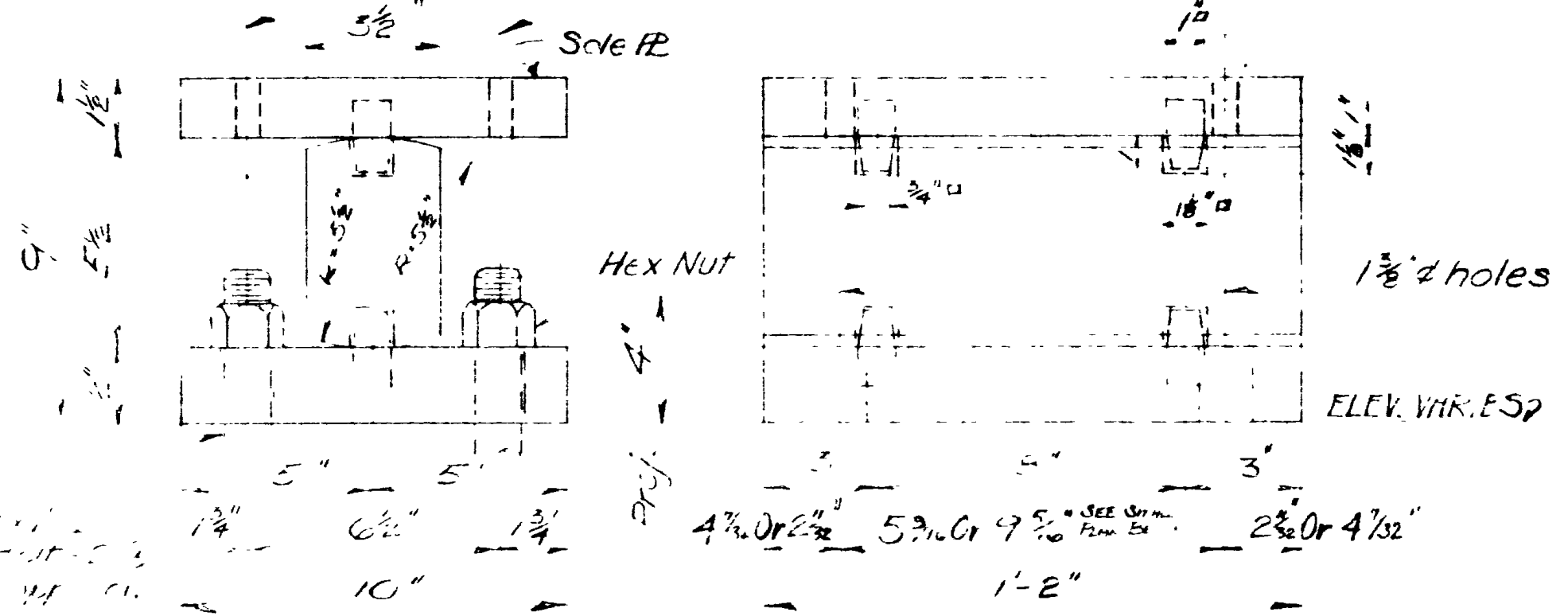
Slotted Nuts $\frac{1}{2}$ " x $1\frac{1}{4}$ " in $8\frac{1}{2}$ " x $4\frac{1}{2}$ " U.N. P. 1" x 2" Bolts @ 3'-0" c'trs. for temp. future adjustment. No. 10's to be used in concrete deck. Minimum coil length concrete must take in initial set.



MAKE 2 AS NOTED ~ EJ4 Wt. per unit 1538# incl. 2 Anchor Bolts & Nuts.
" 2 " ~ EJ5 " " " 1,921#

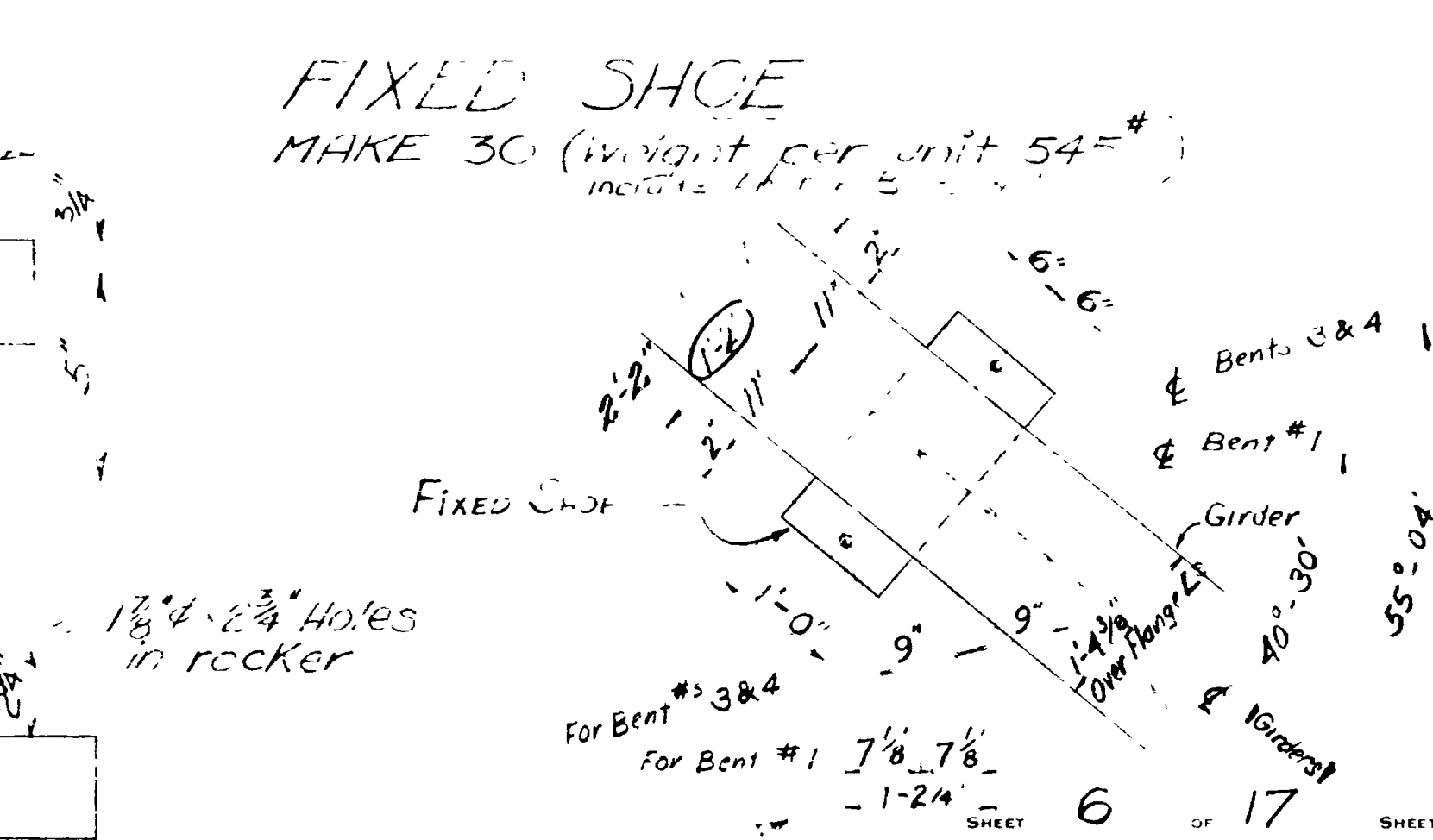
DETAIL OF SLAB EXPANSION UNIT AT ABUTMENTS

MAKE 4 As noted above

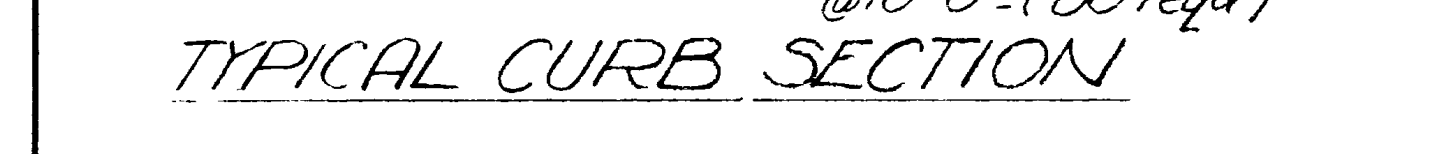
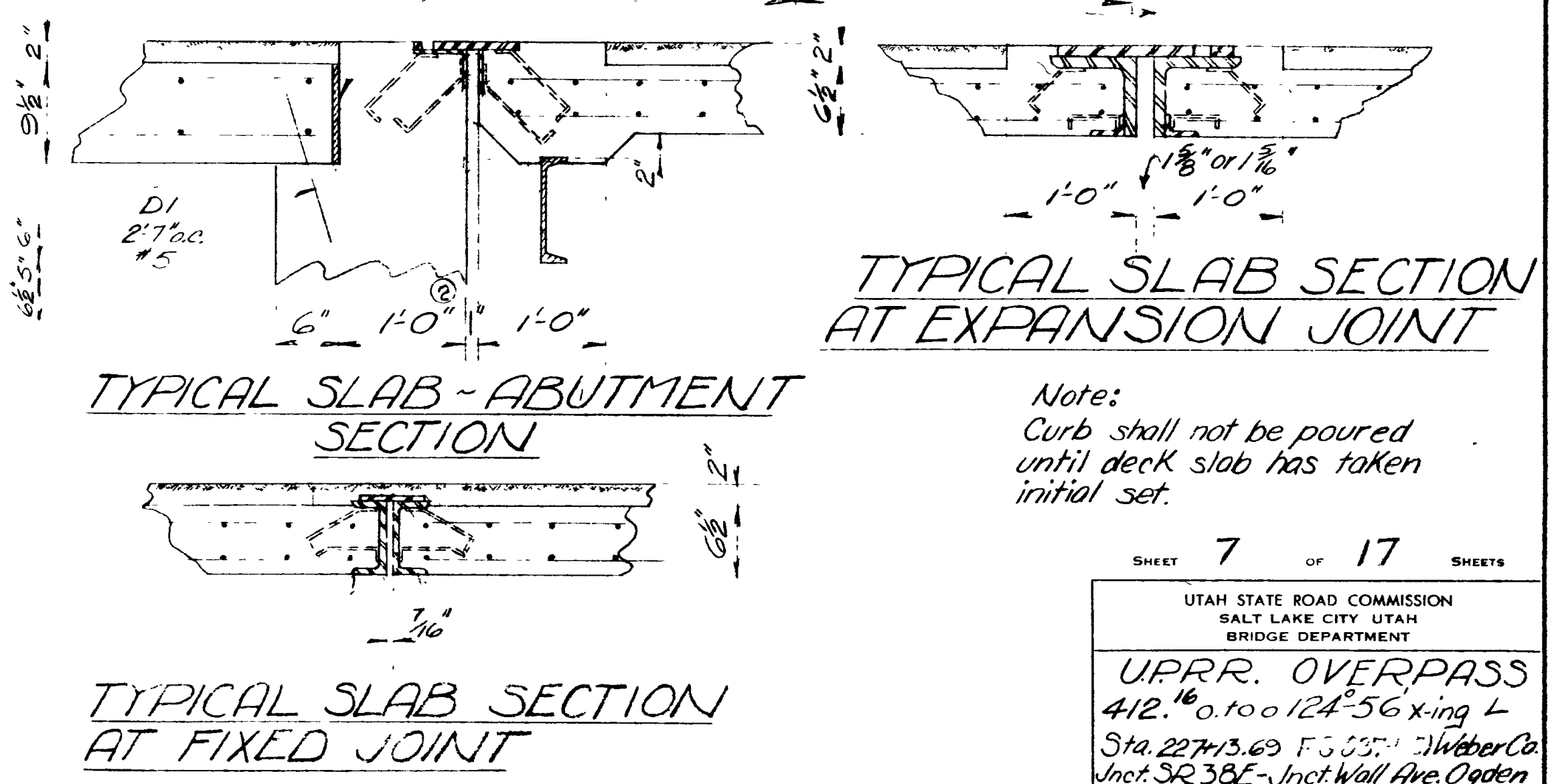
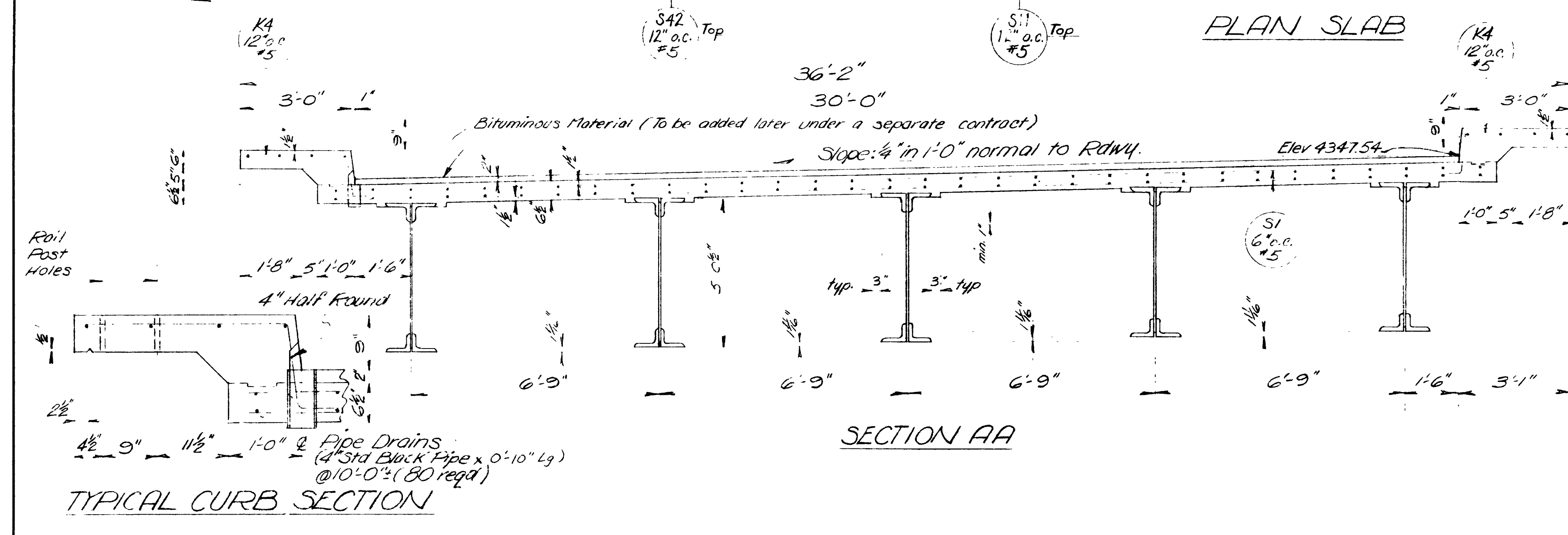
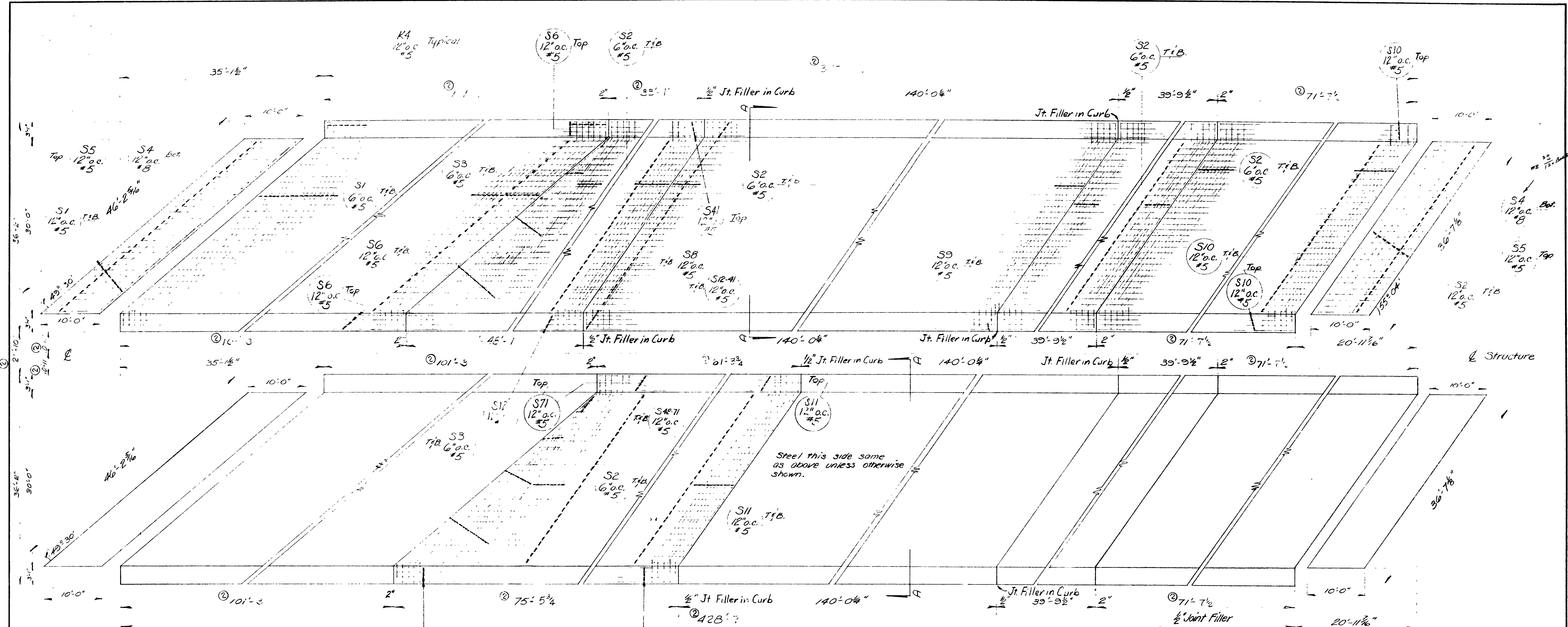


PLAN OF SOLE AND MASONRY B'S SHOWING LOCATION OF BOLT HOLES TO SUIT VARYING ABUT ANGLES.

BOLT DETAIL



REVISIONS
 DATE BY
 10-2-59 RJB
 10-2-59 RJB



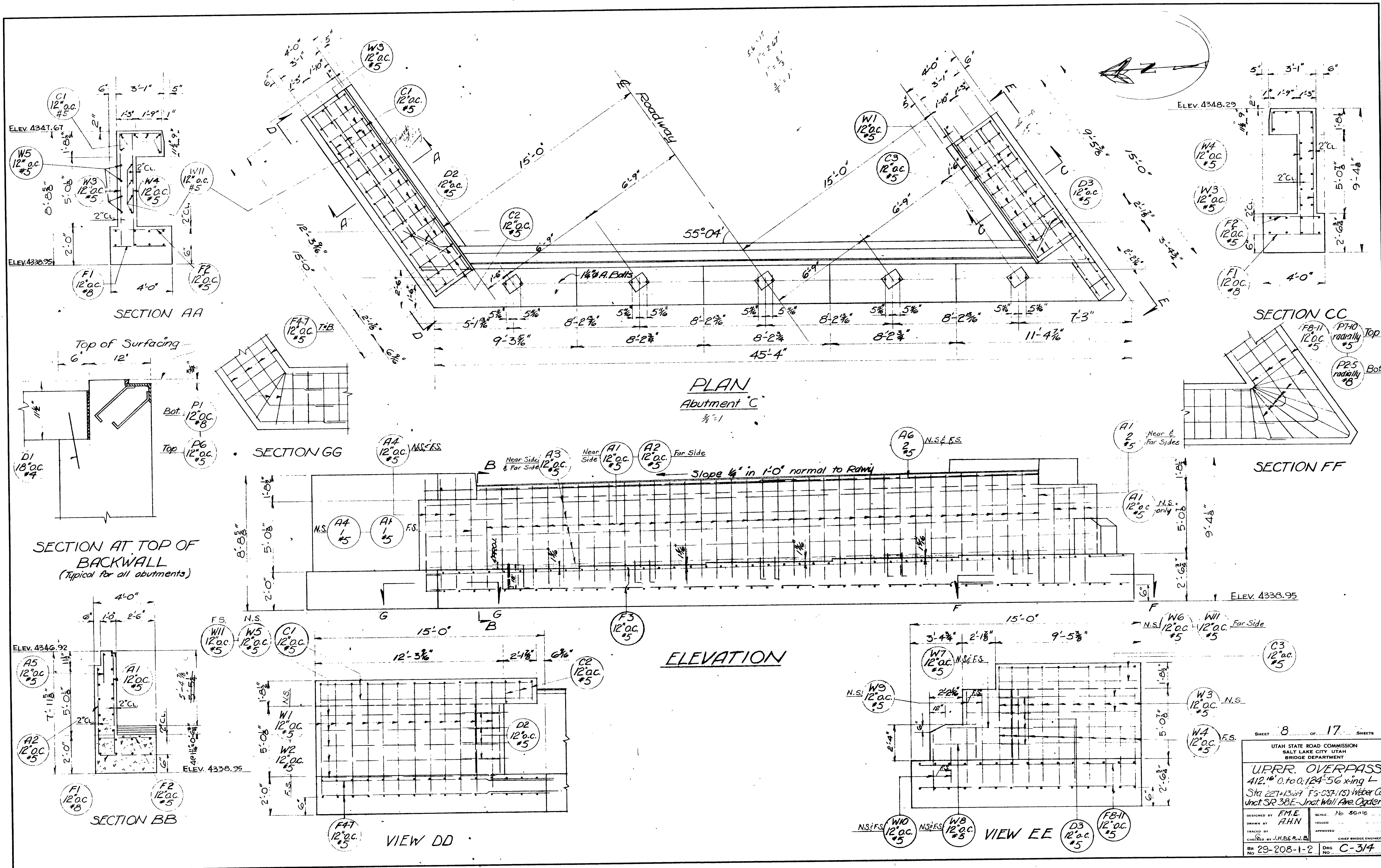
SHEET 7 OF 17 SHEETS

UTAH STATE ROAD COMMISSION
 SALT LAKE CITY, UTAH
 BRIDGE DEPARTMENT

UPRR. OVERPASS
 412.160 to 124-56 xing L
 Sta. 227+13.69 F.S. 057.1 Weber Co
 Jct. SR 38E - Jct. Wall Ave. Ogden

DESIGNED BY R.H.E.	SCALE No scale
DRAWN BY R.H.N.	ISSUED
CHECKED BY R.J.B.	APPROVED
CHIEF BRIDGE ENGINEER	

BR 29-2(12-1-2) DRG NO C-314



REVISIONS

NO.	DATE	BY

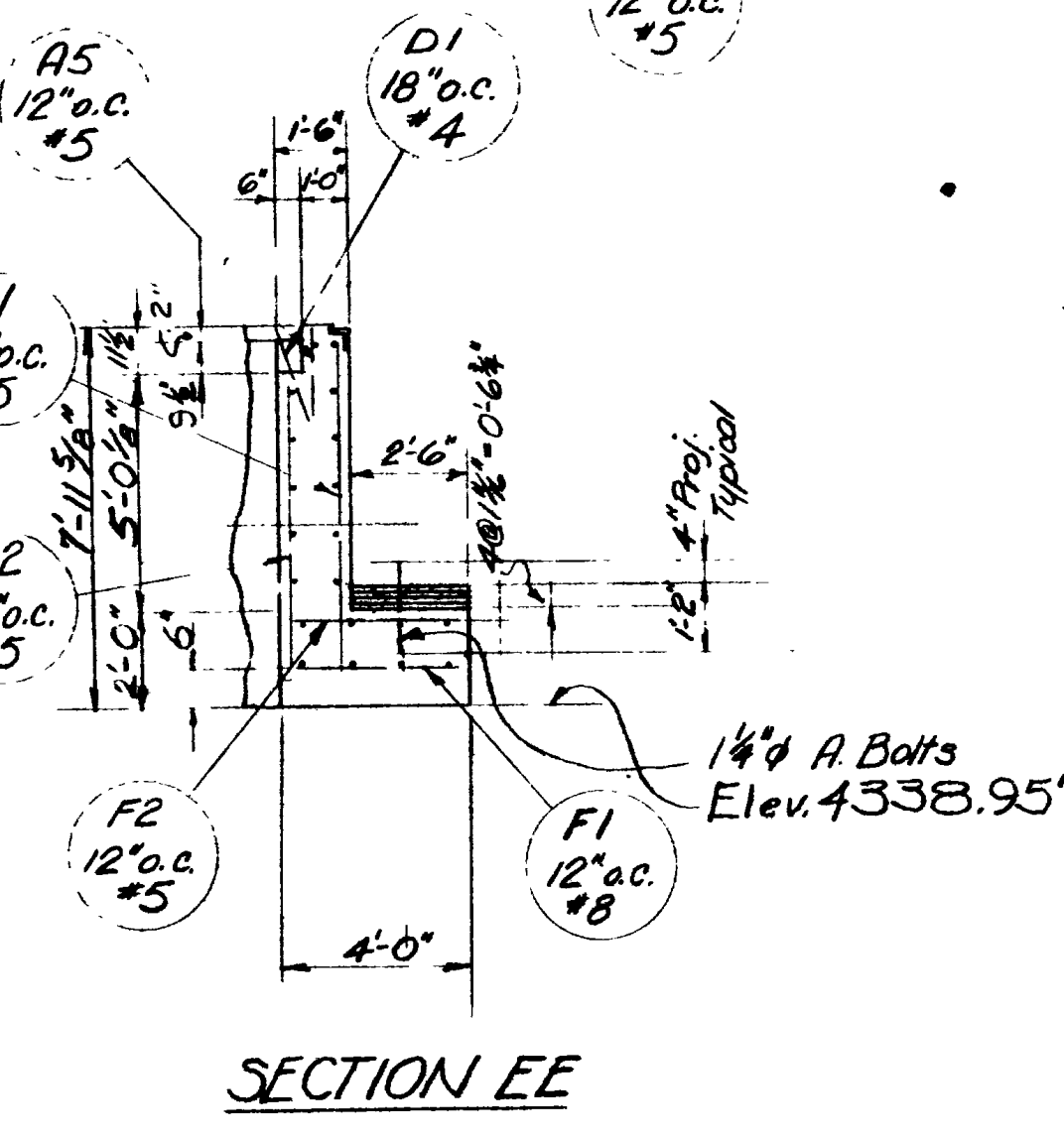
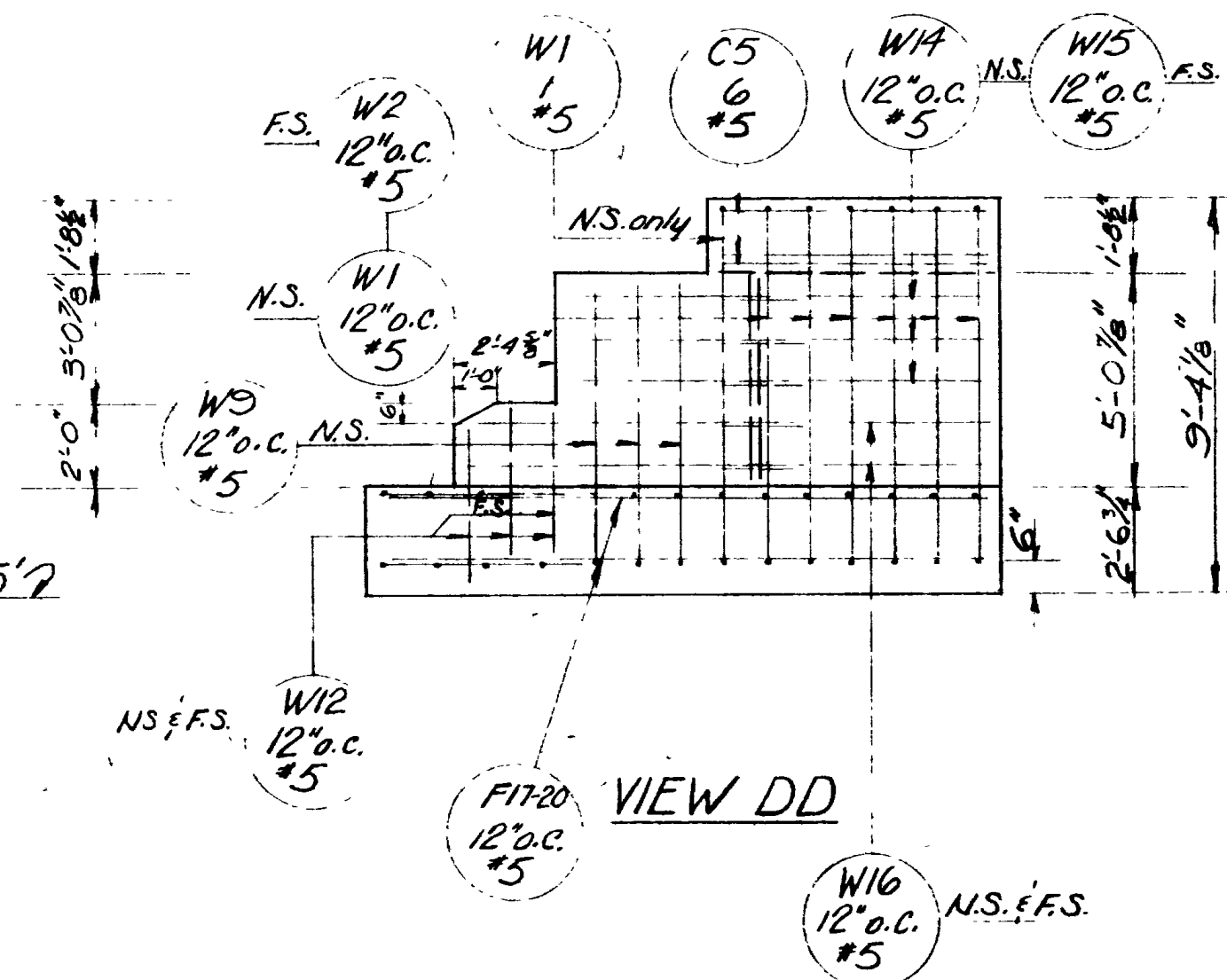
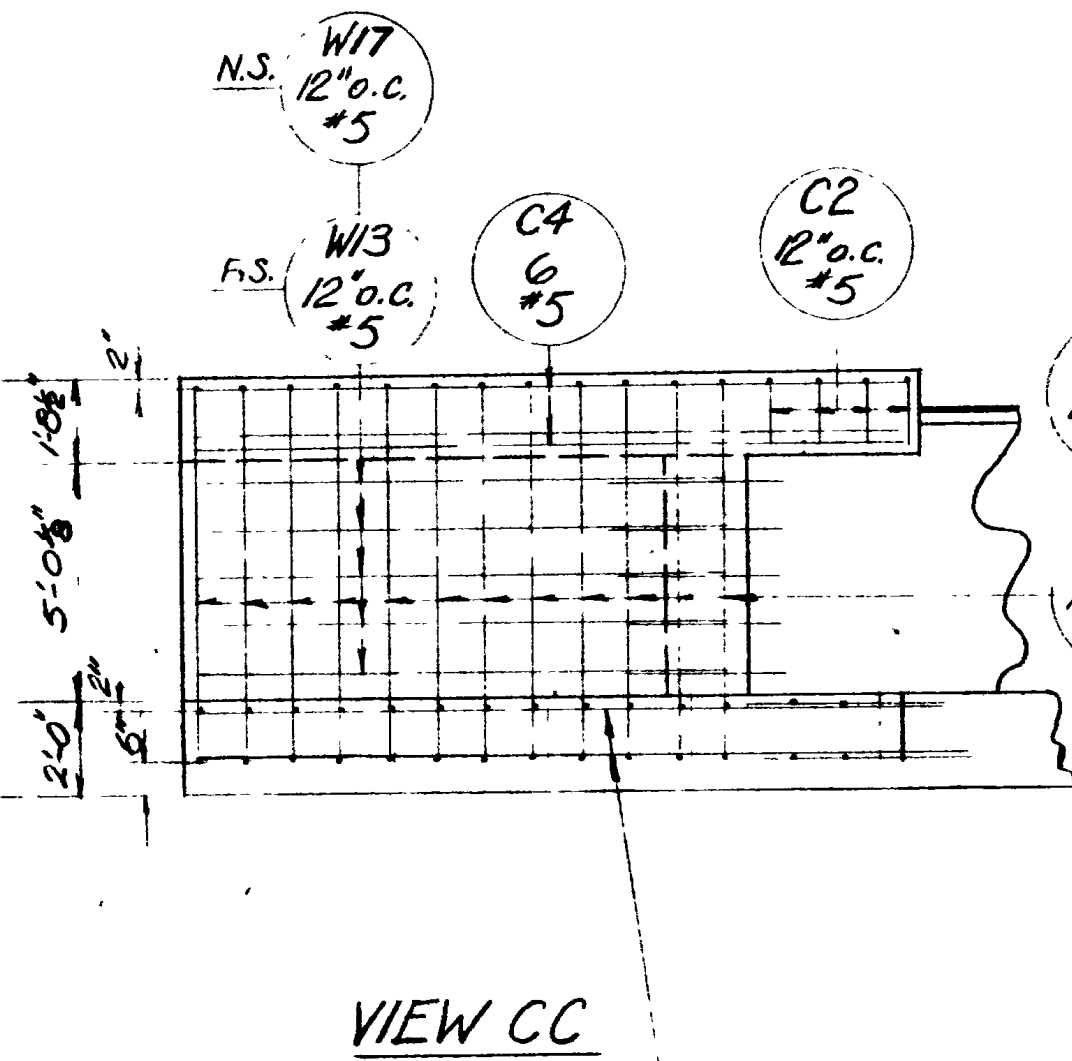
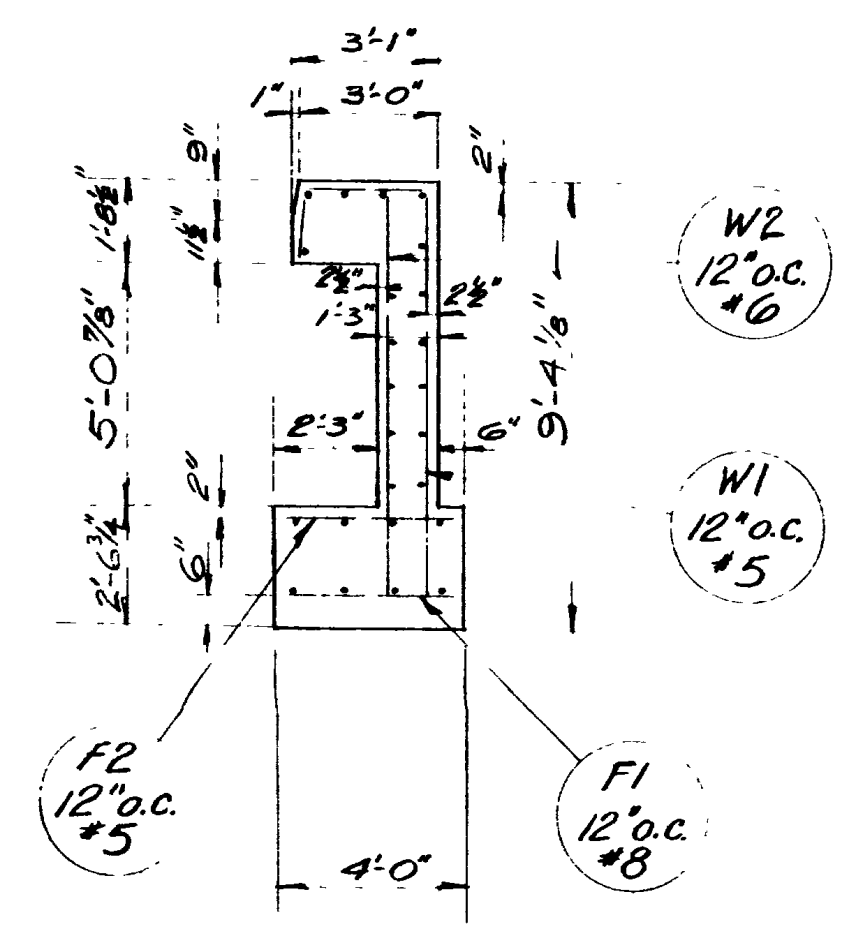
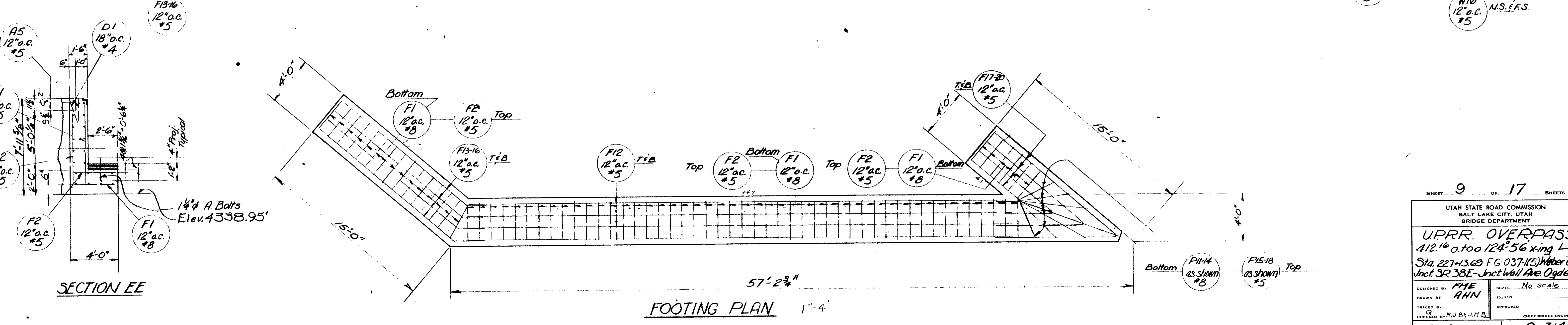
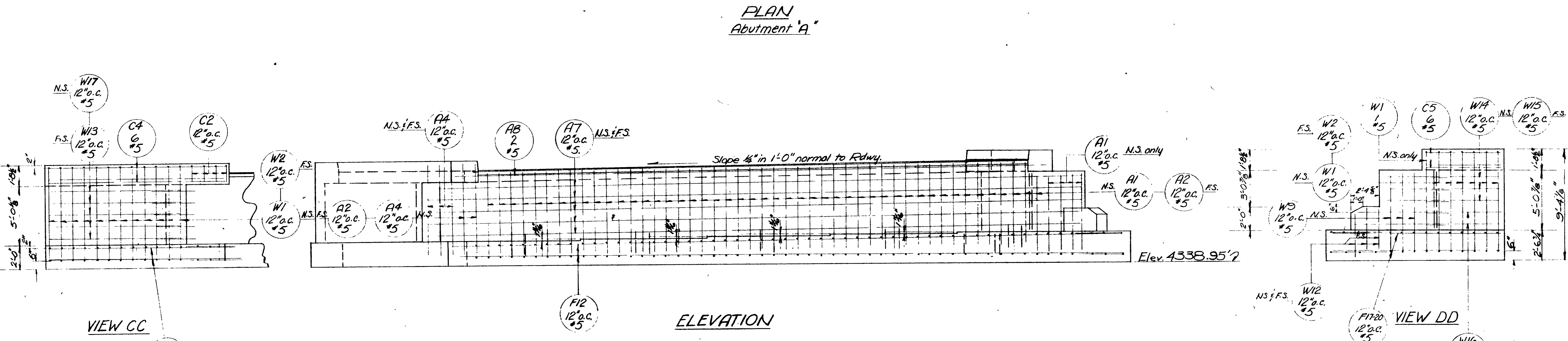
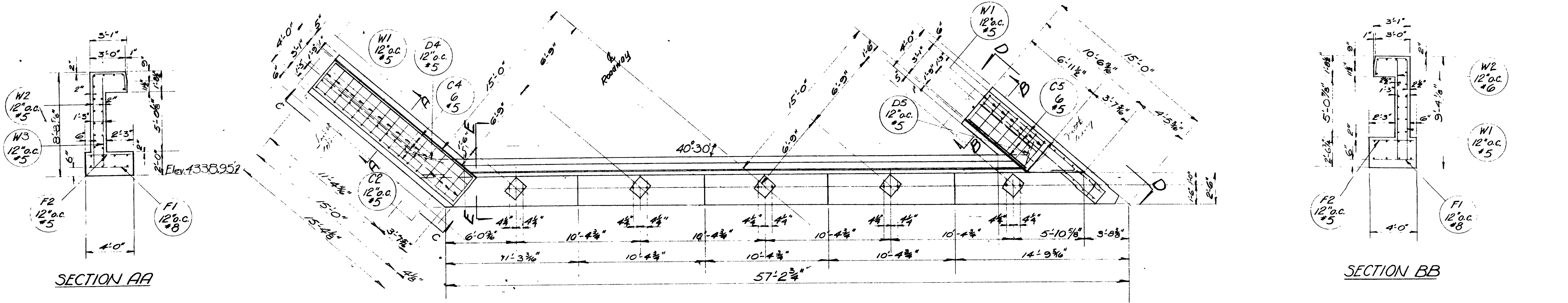
SHEET 8 OF 17 SHEETS

UTAH STATE ROAD COMMISSION
SALT LAKE CITY UTAH
BRIDGE DEPARTMENT

UPRR. OVERPASS
412.16' 0. to 0.124'-56' x ing L
Sta 227+13.69 FG-037.163 Weber Co
Unct SR 38E-Unct Wall Ave Ogden

DESIGNED BY F.M.E. SCALE No scale
DRAWN BY A.H.N. ISSUED
CHECKED BY J.H.B.E. APPROVED
BY 29-208-1-2 Dwg No C-314

REVISIONS		
NO.	DATE	BY



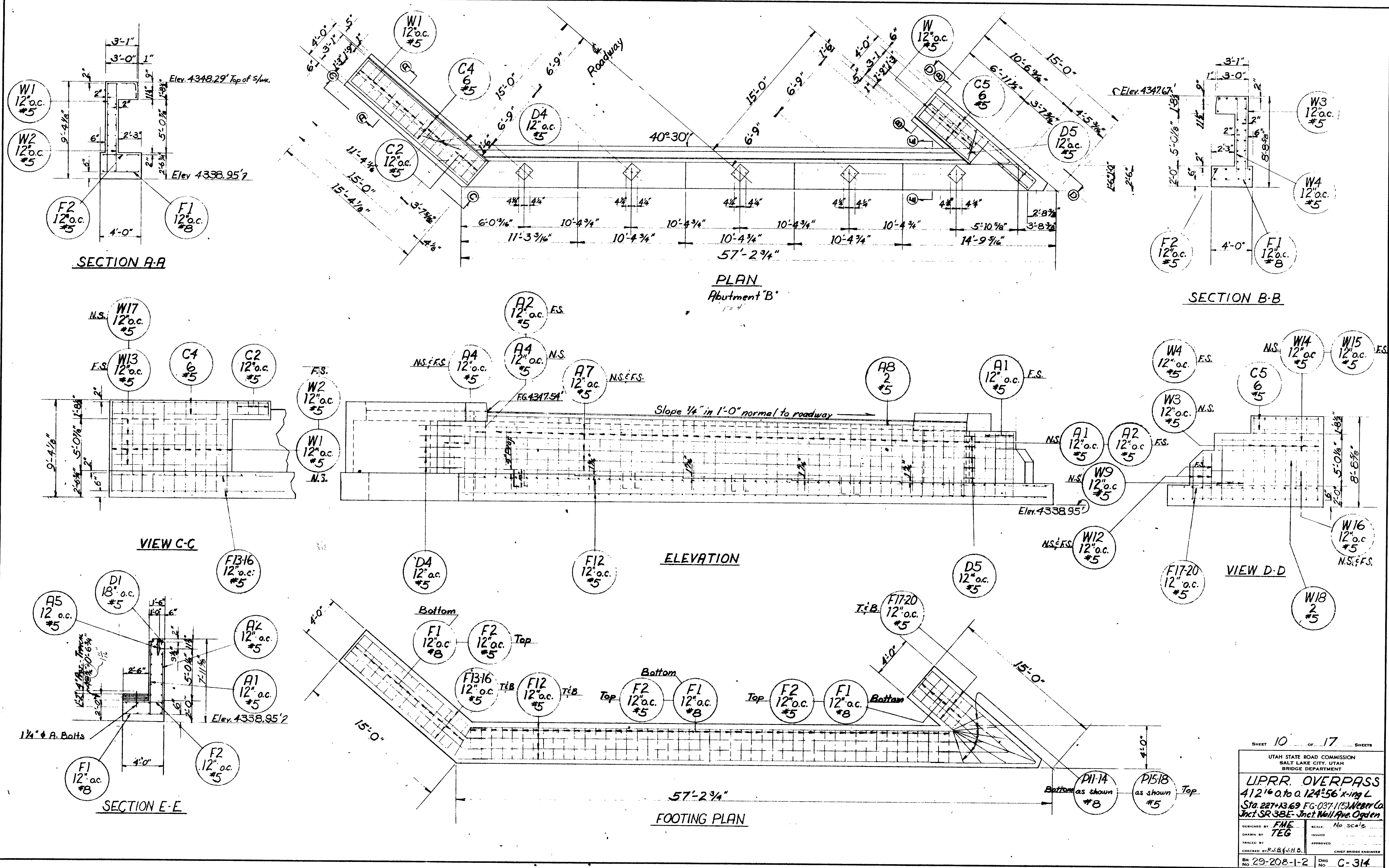
SHEET 9 OF 17 SHEETS

UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

UPRR. OVERPASS
412.16 o.100 124.56 x ing L
Sta. 227+3.69 FG-037(15) Weber Co.
Junct SR 38E - Jnct Wall Ave Ogden

DESIGNED BY FME SCALE: No scale
DRAWN BY AHN
CHECKED BY R.J.B. & J.H.B. CHIEF BRIDGE ENGINEER

BR No 29-208-1-2 DRG No. C-314



DATE	BY

SHEET 10 OF 17 SHEETS

UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

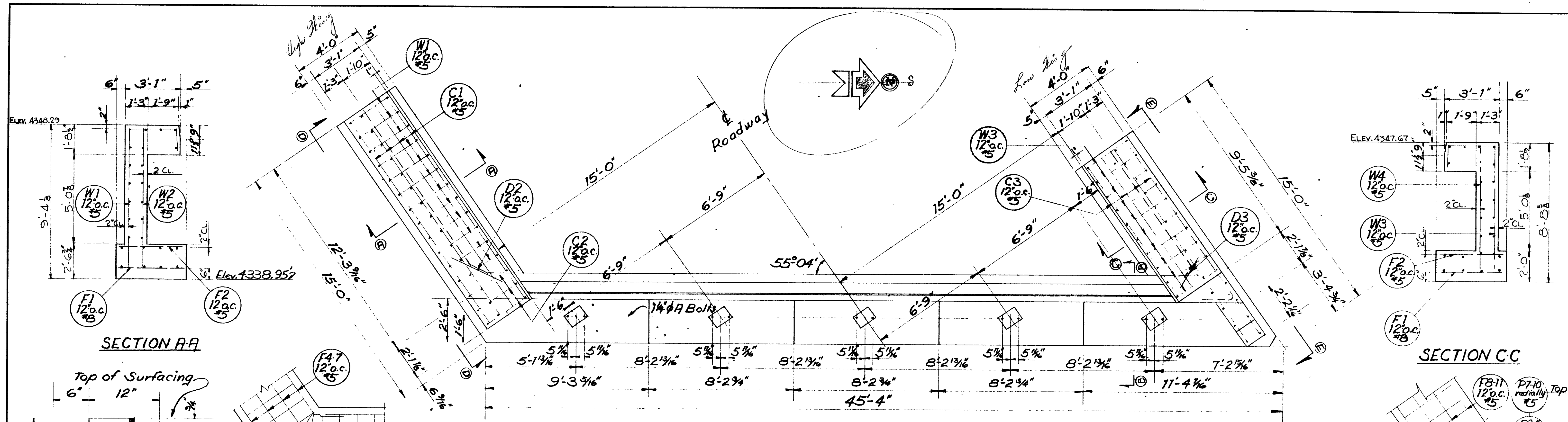
LIPRR OVERPASS
412' 0" to 0.124°-56' x-ing L
Sta. 287+33.69 FG-037.1(5) Weber Co
Jct. SR 38E - Jct. Wall Ave. Ogden

DESIGNED BY FME SCALE: No scale
DRAWN BY TEG ISSUED
TRACED BY APPROVED
CHECKED BY R.A.B. & J.H.B. CHIEF BRIDGE ENGINEER

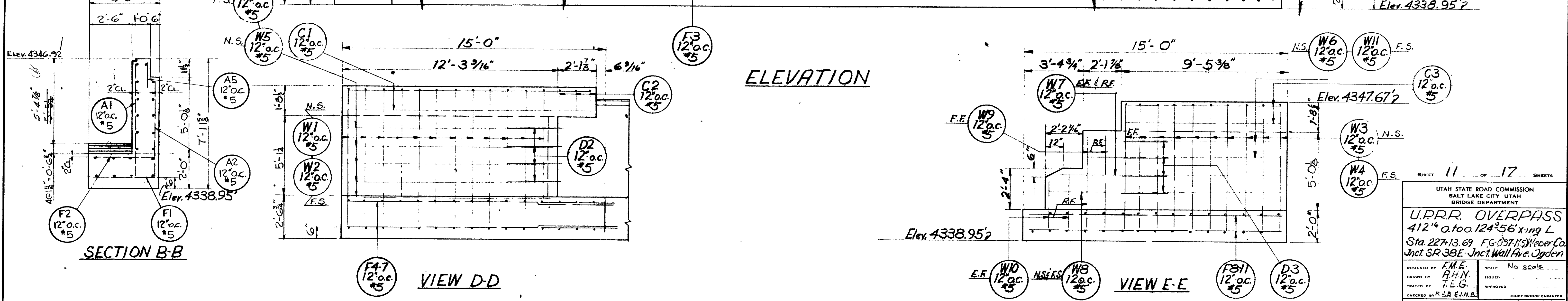
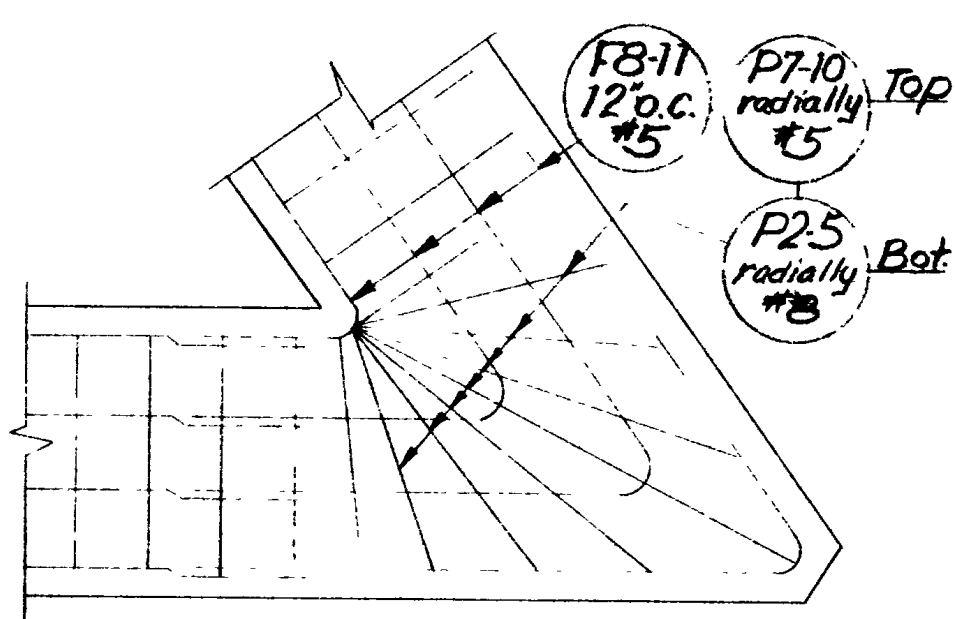
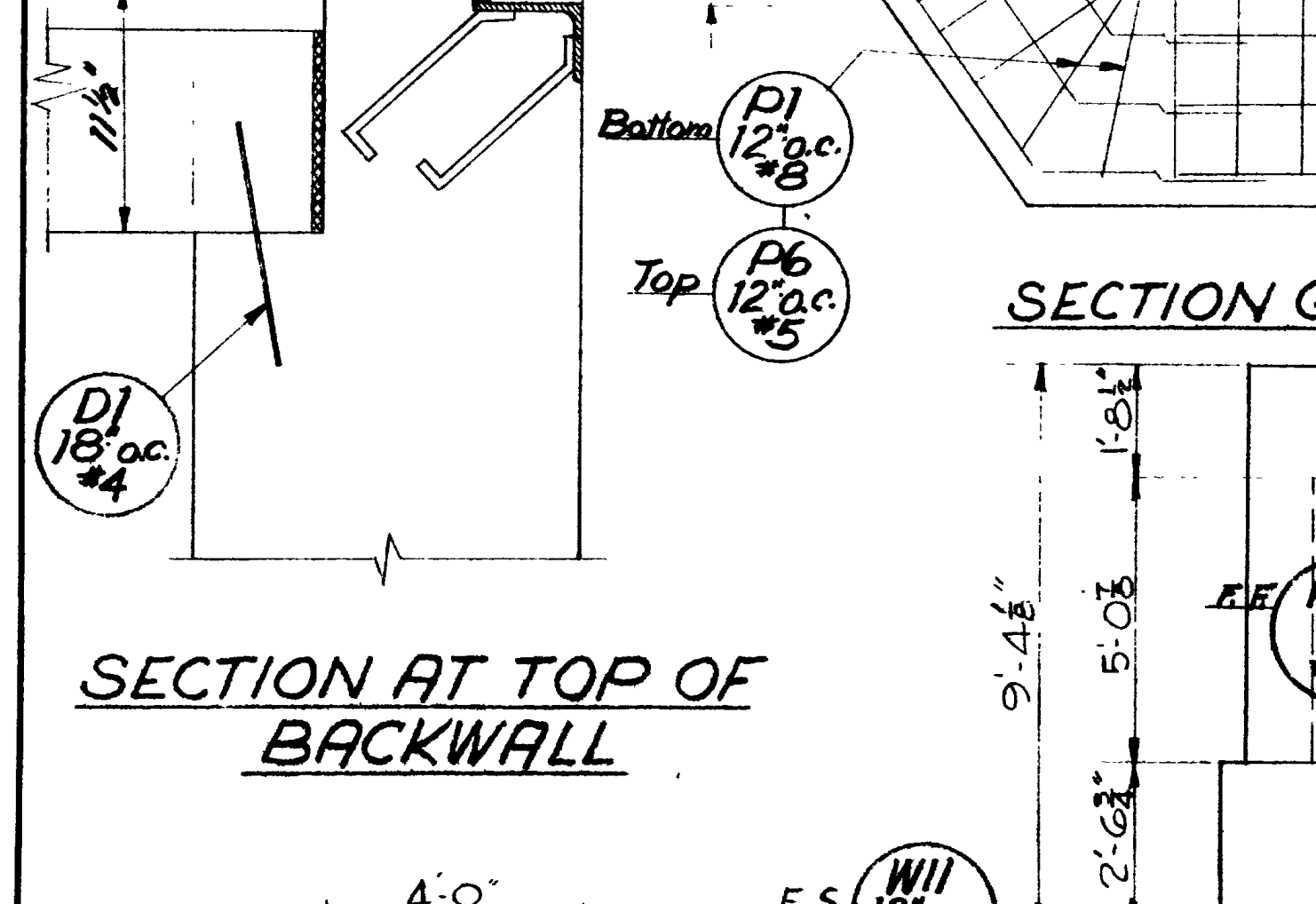
BR No 29-208-1-2 Dwg No C-314

REVISIONS

NO.	DATE	BY



PLAN
Abutment D



ELEVATION

VIEW D-D

VIEW E-E

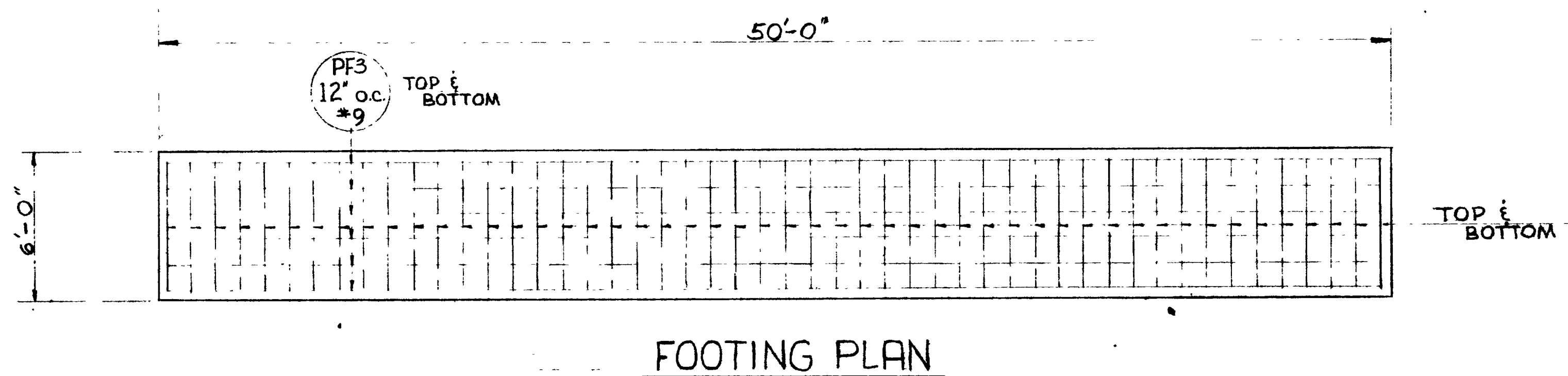
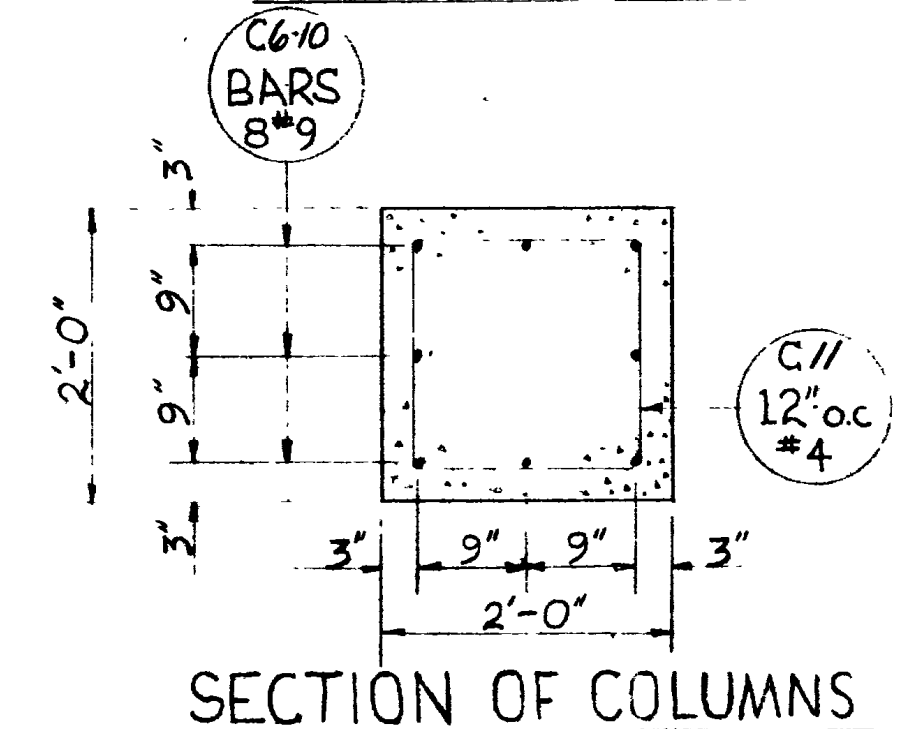
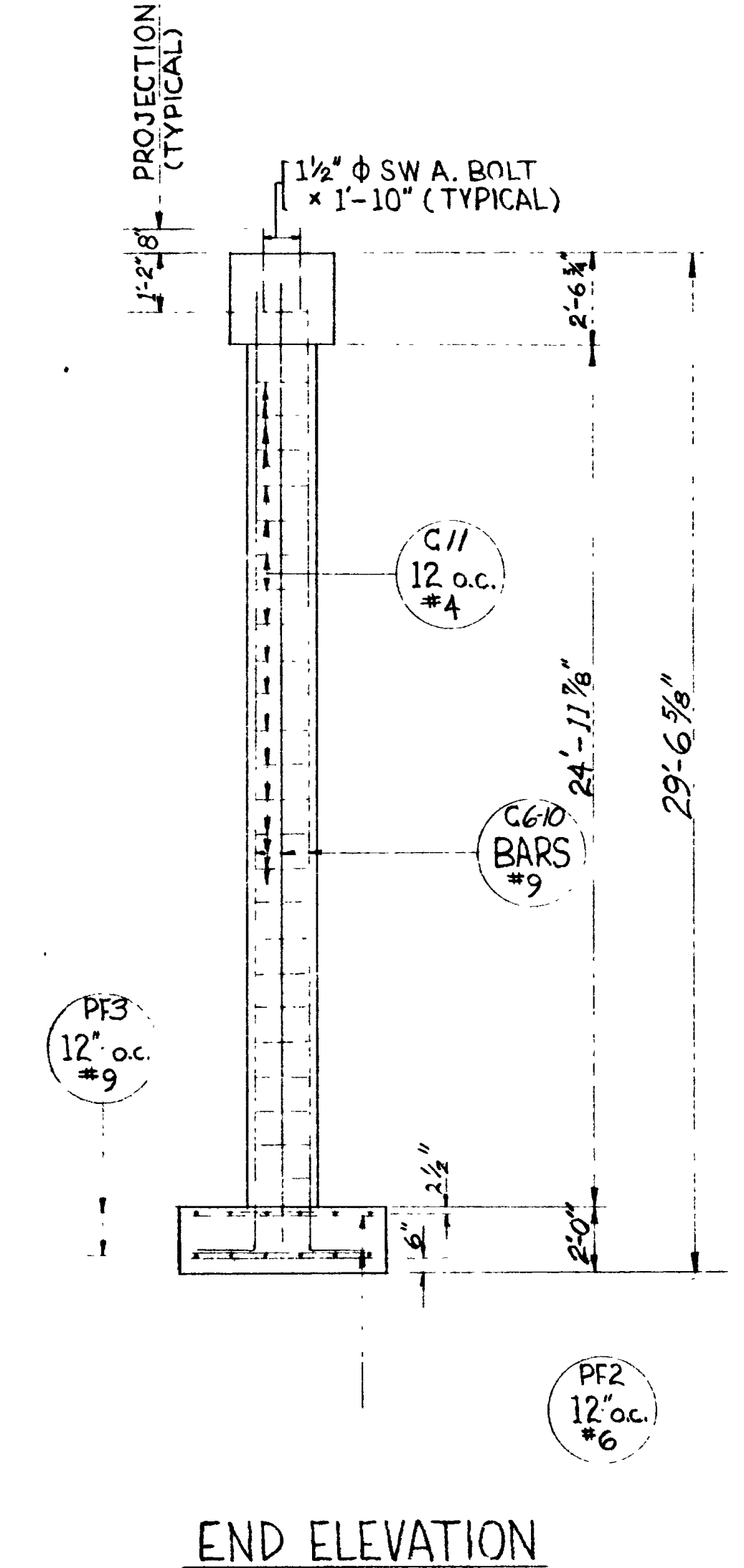
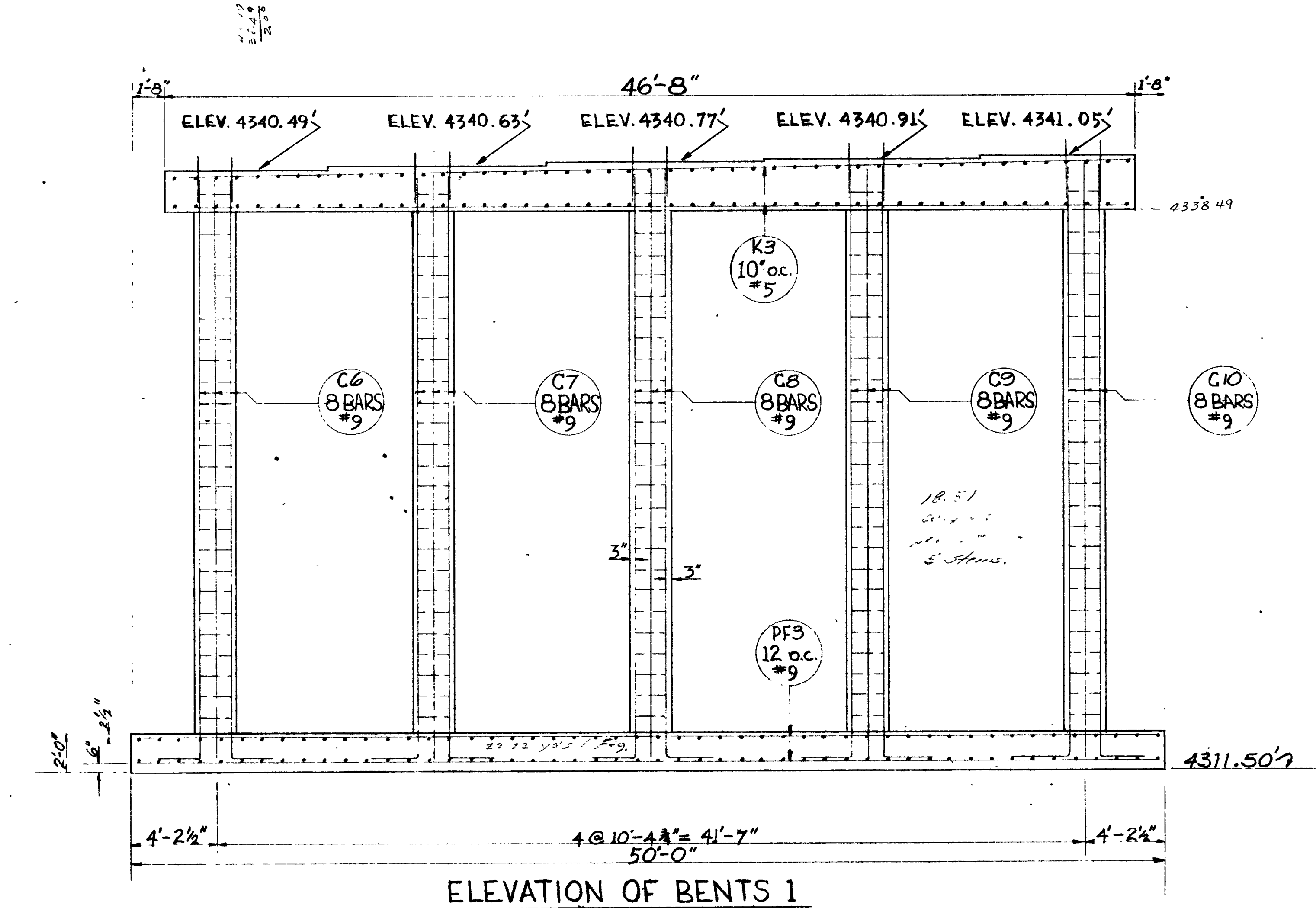
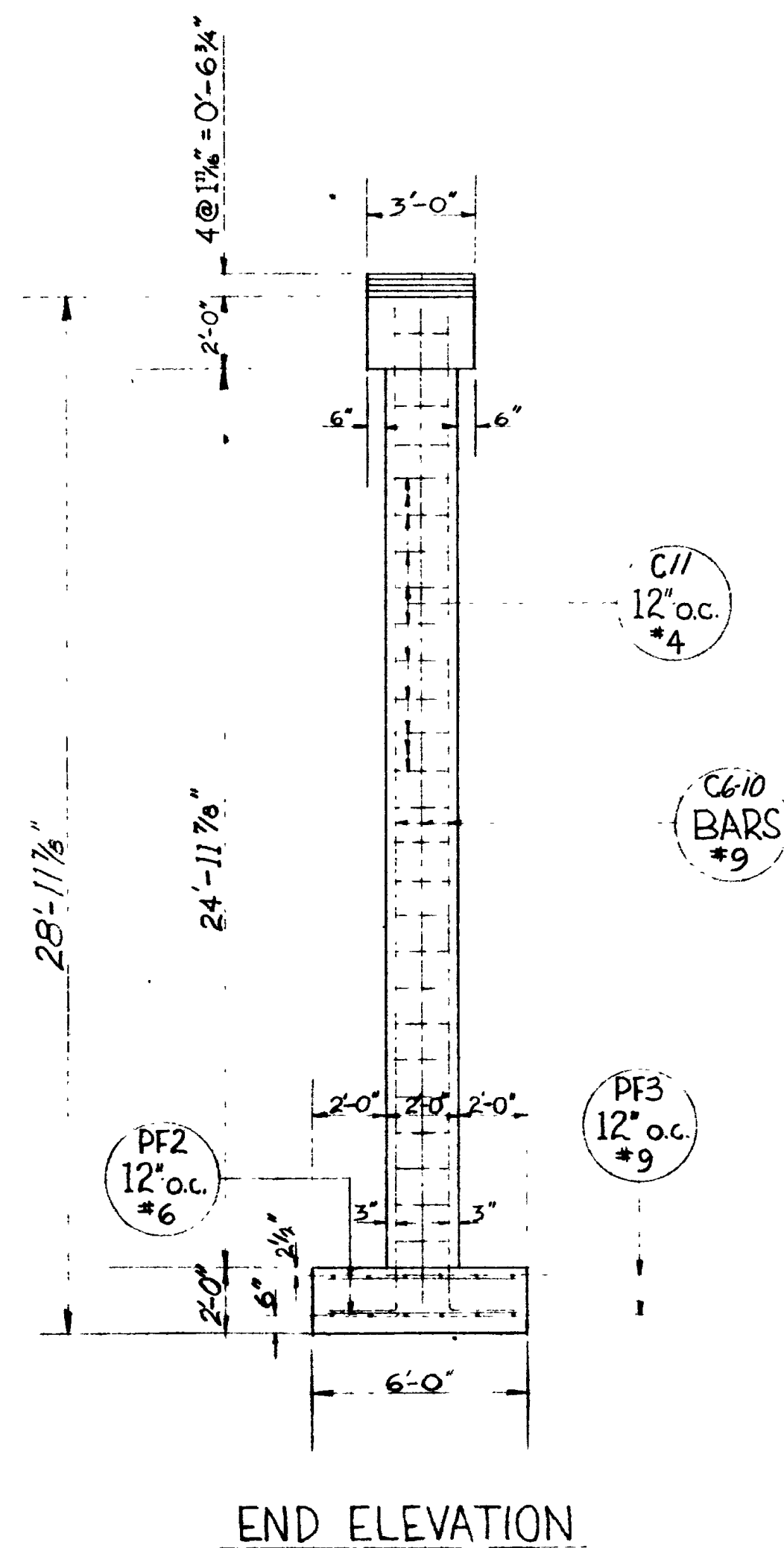
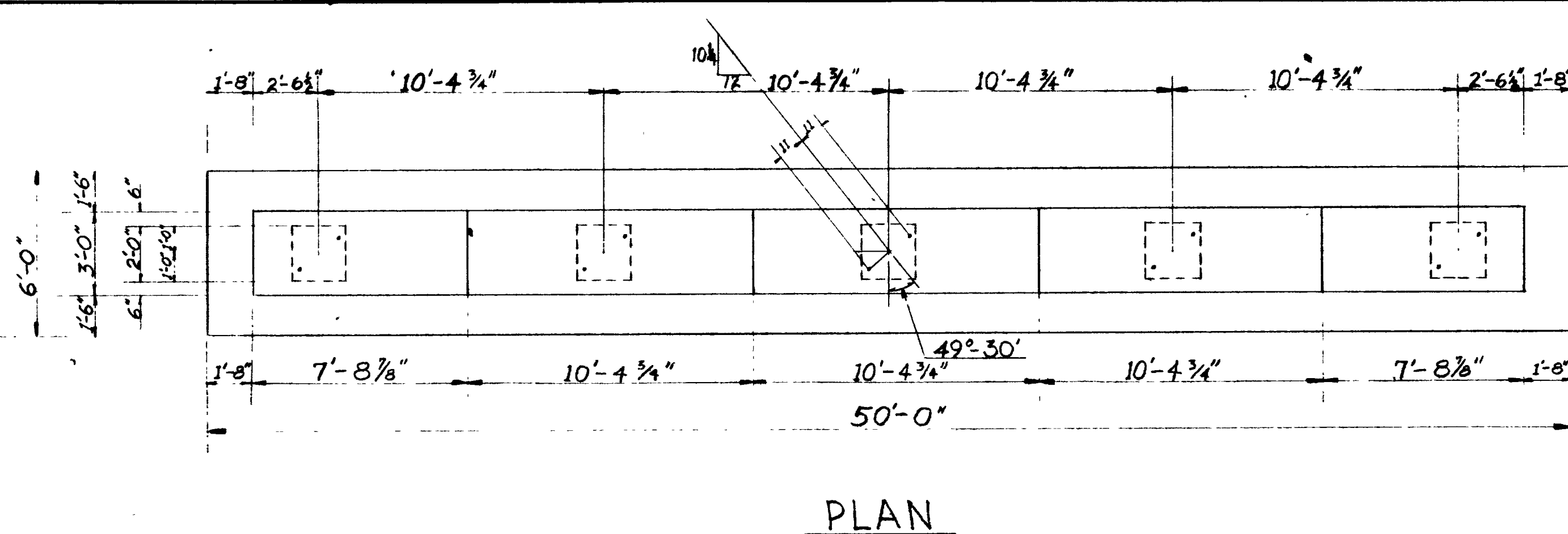
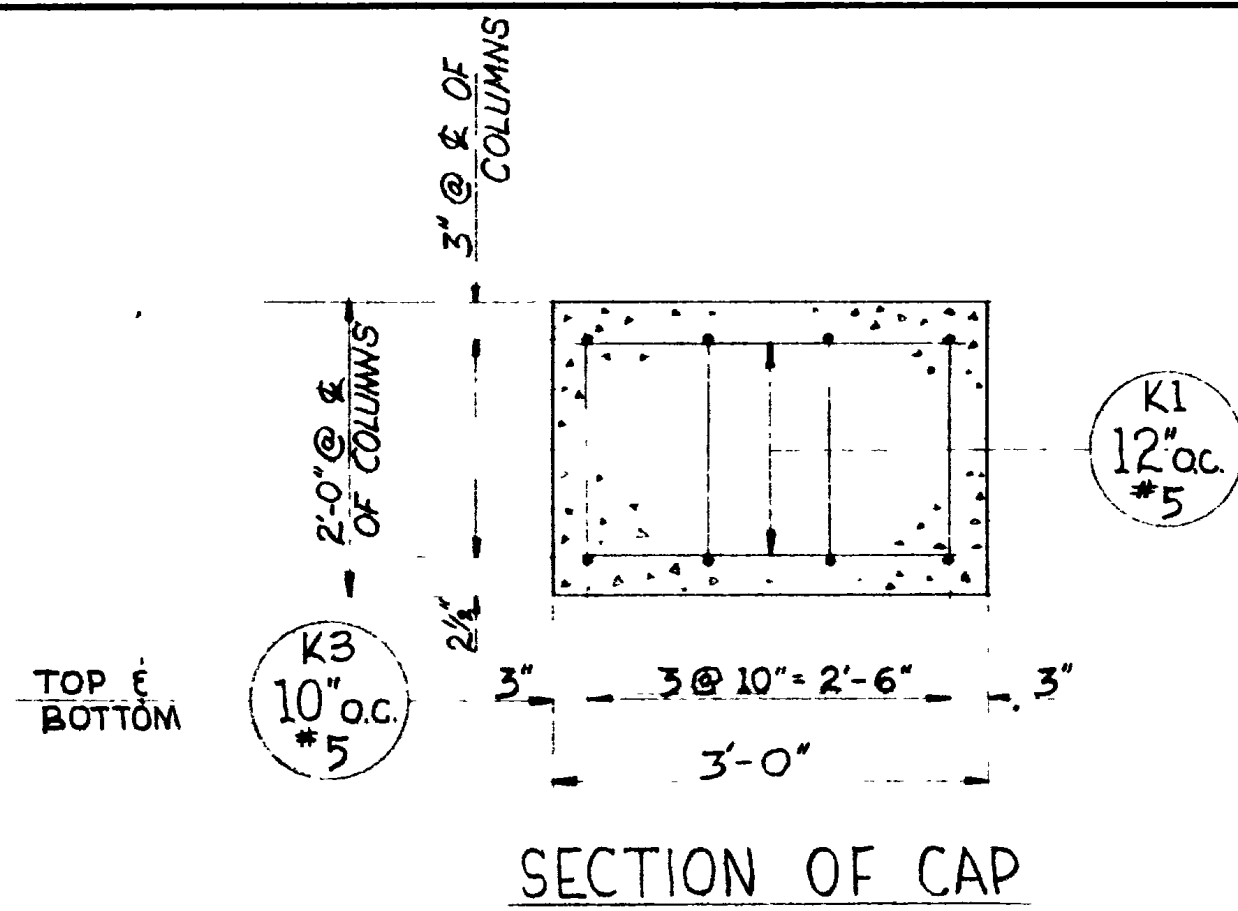
SHEET 11 OF 17 SHEETS

UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

U.P.R.R. OVERPASS
412' o.t.o. 124'256' x-ing L
Sta. 227+13.69 F.G. 0937.15 Weper Co.
Jct. SR 38E Jct. Wall Ave. Ogden

DESIGNED BY F.M.E.	SCALE No Scale
DRAWN BY R.H.N.	ISSUED
TRACED BY T.E.G.	APPROVED
CHECKED BY R.J.B. E.J.M.A.	CHIEF BRIDGE ENGINEER

BR No. 29-208-1-2 DRG No. C-314



REVISIONS	DATE	BY

4311.50
2.00
27.99
4338.47

SHEET 12 OF 17 SHEETS

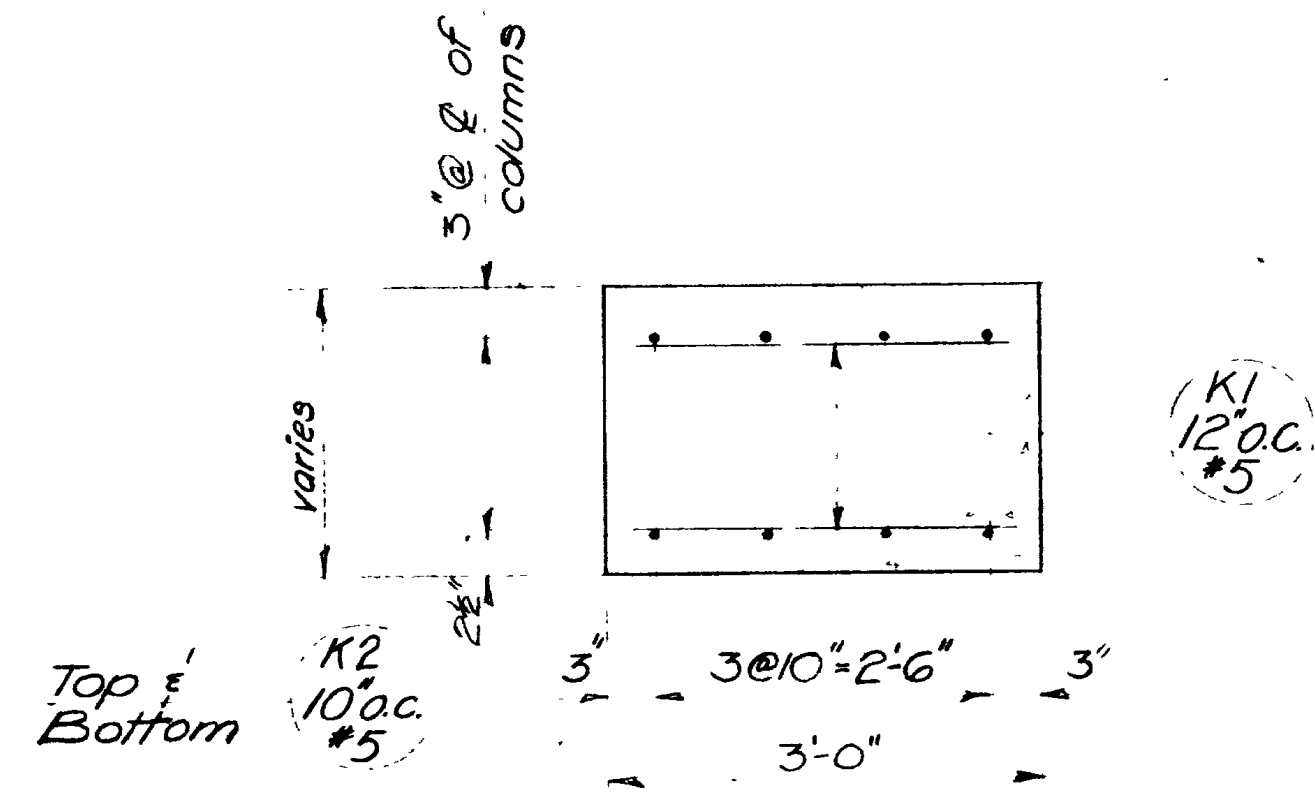
UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

UPRR OVERPASS
412th O. to O. 124th 56' x 119' L.
Sta. 227+13.69, FG. 037, ONEBER Co.
Jct. SR 30E Jct. WALLAVE, OGDEN

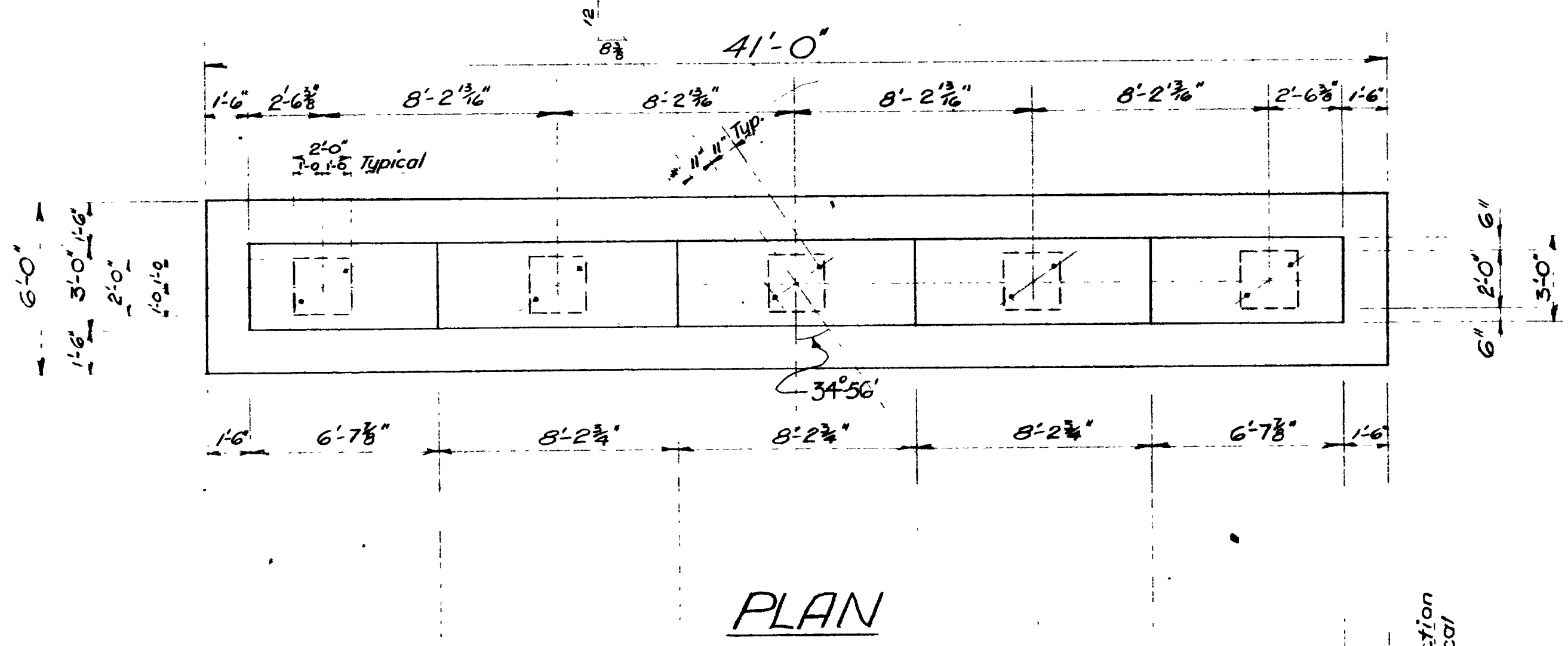
DESIGNED BY: FME	SCALE: No Scale
DRAWN BY: TEG	ISSUED:
TRACED BY: R. J. B. J. M. B.	APPROVED:
CHECKED BY: R. J. B. J. M. B.	CHIEF BRIDGE ENGINEER:

BR NO. 29-208-1-2 DRC NO. C-314

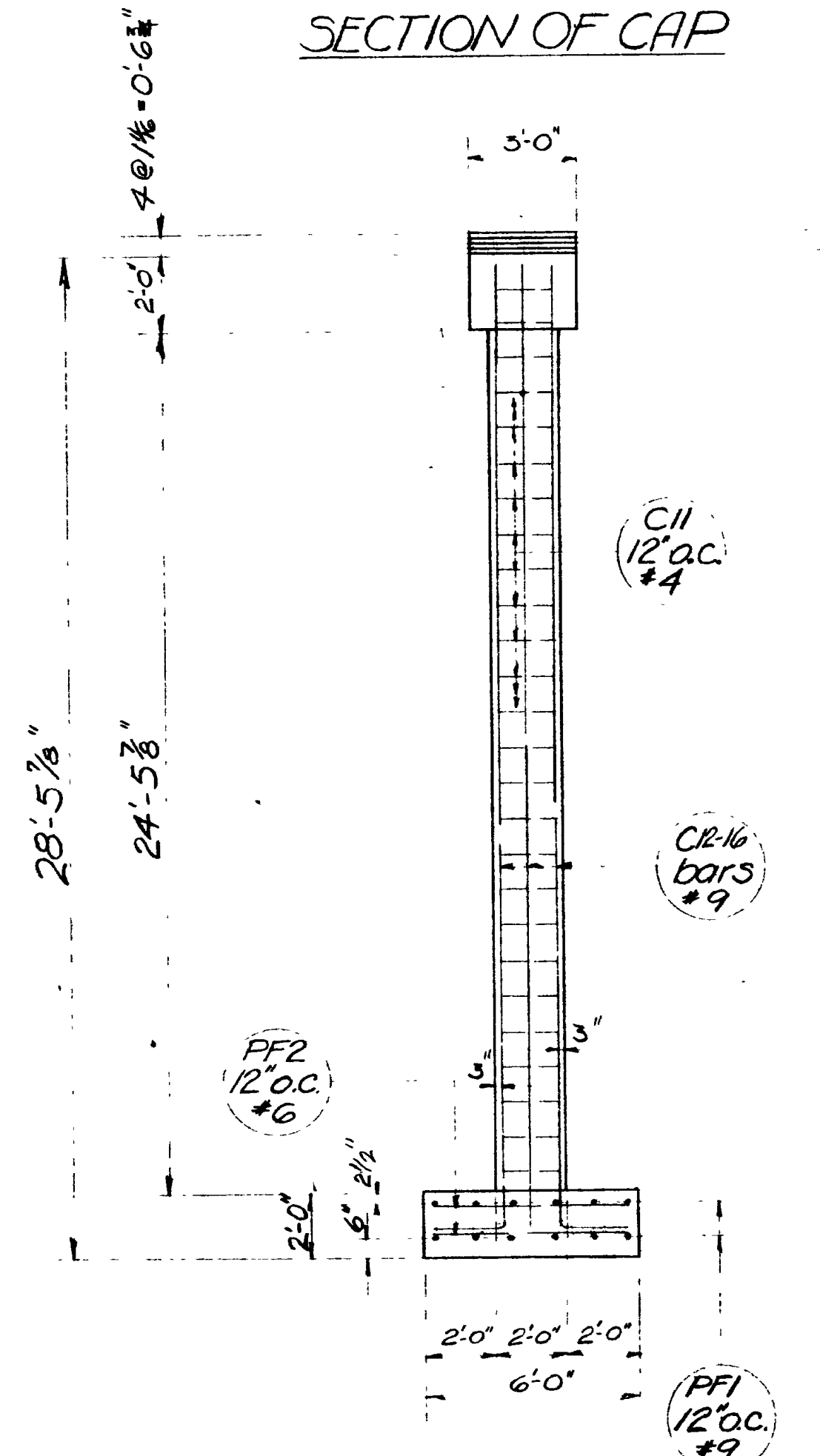
4340.27 TOP CAP
 1.21 BENE UNIT
 .54 PACE
 17 SURS
 5.04 BEAM
 4347.23 O.E.



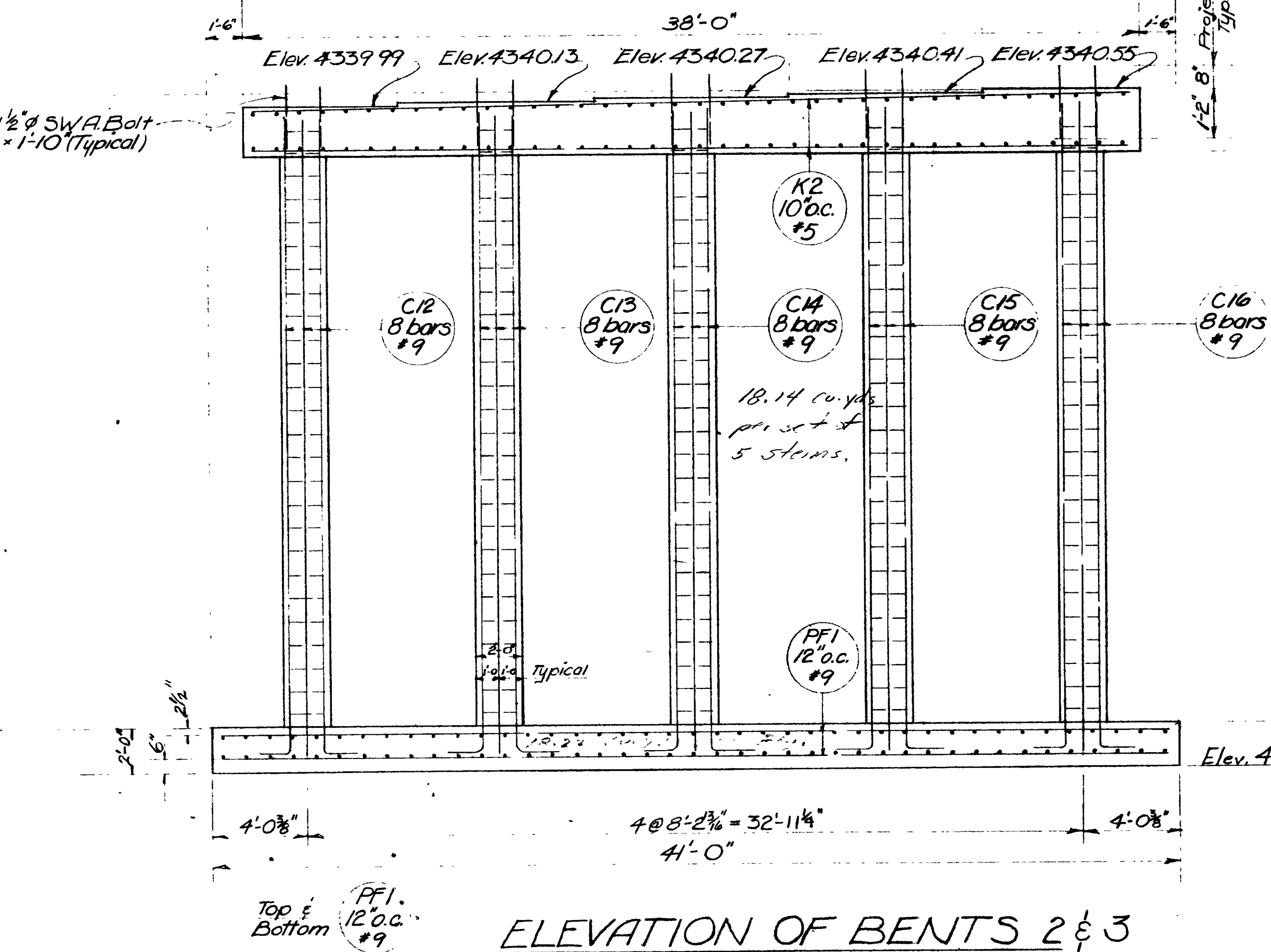
SECTION OF CAP



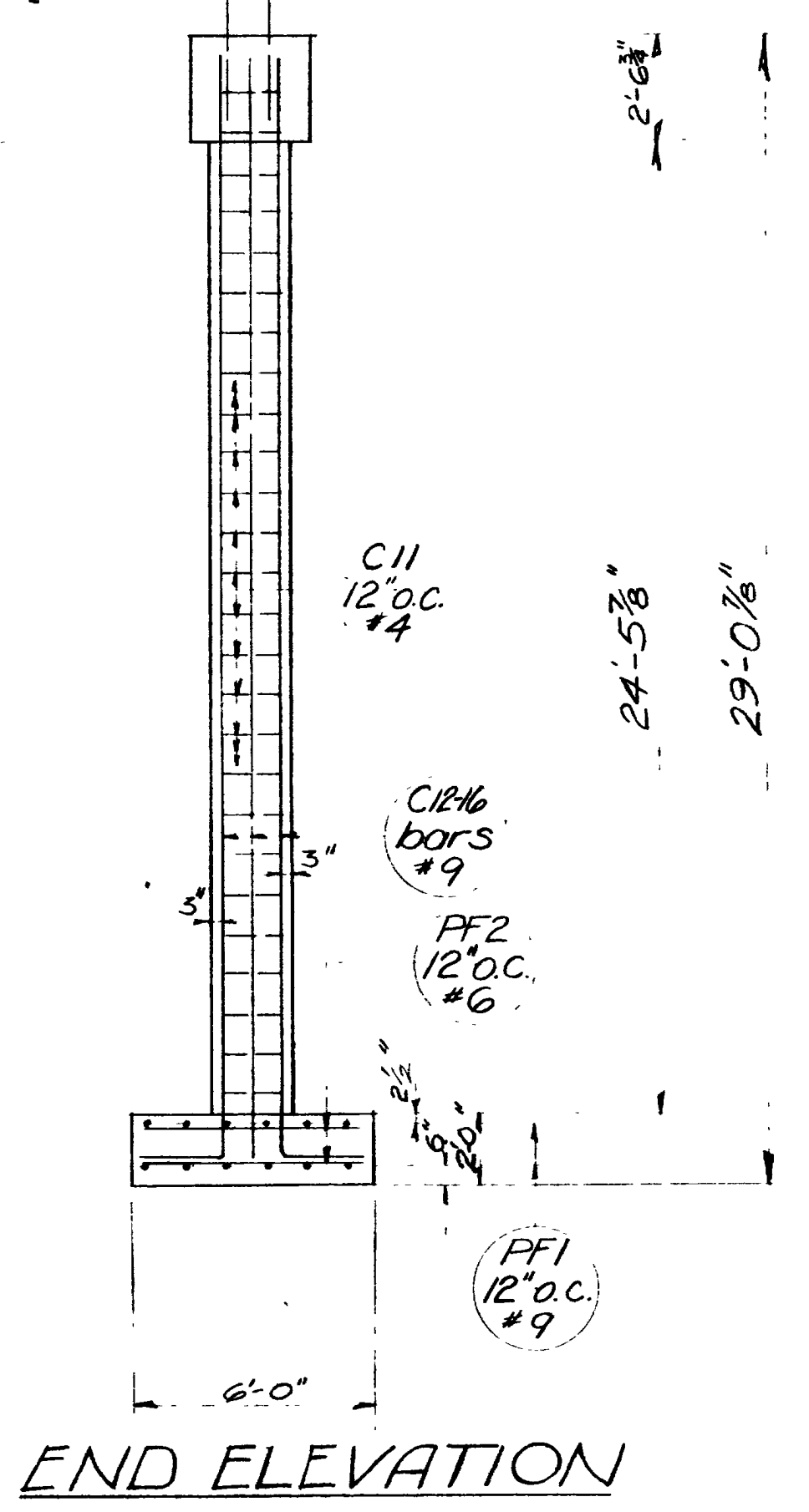
PLAN



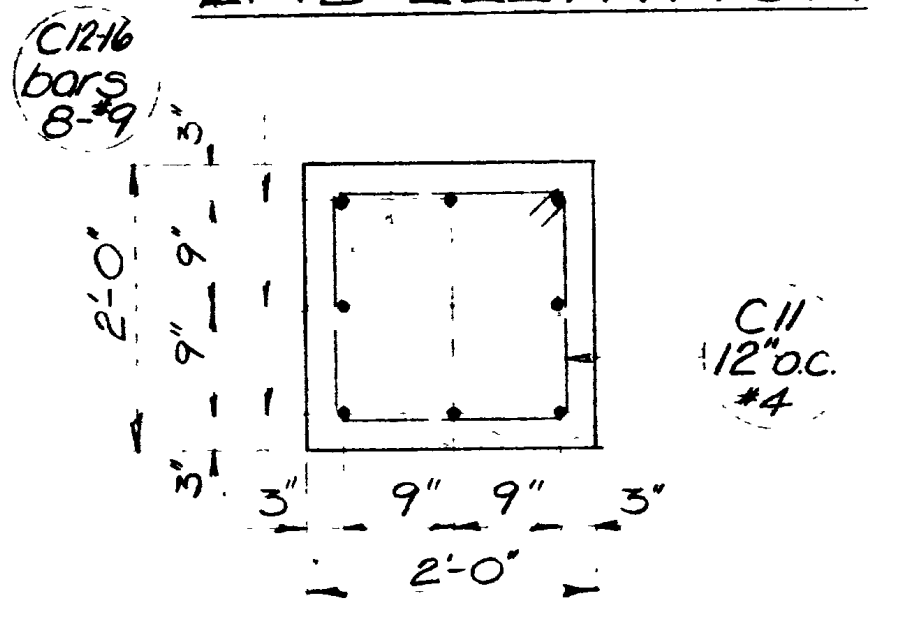
END ELEVATION



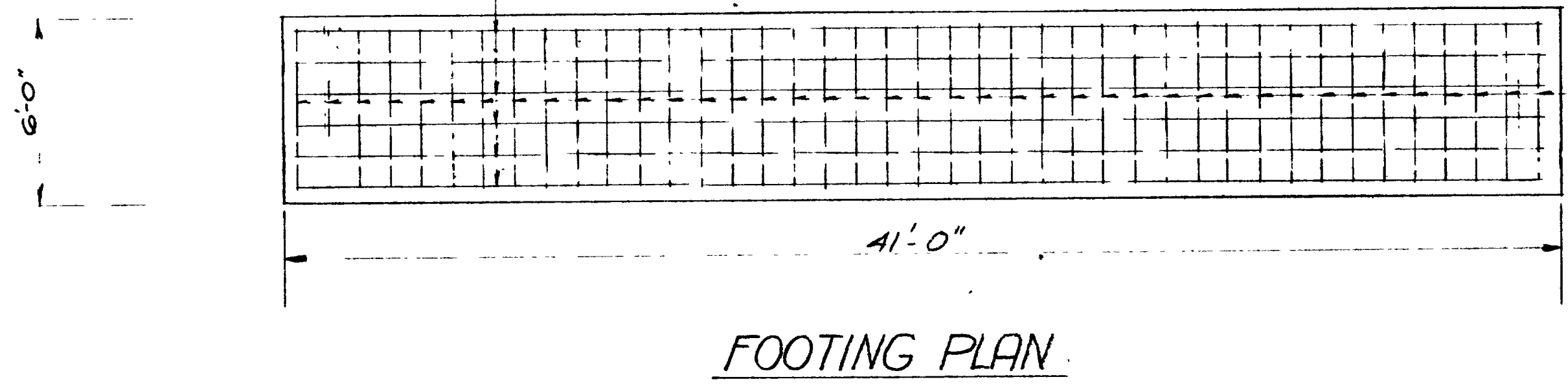
ELEVATION OF BENTS 2 & 3



END ELEVATION



SECTION OF COLUMNS



FOOTING PLAN

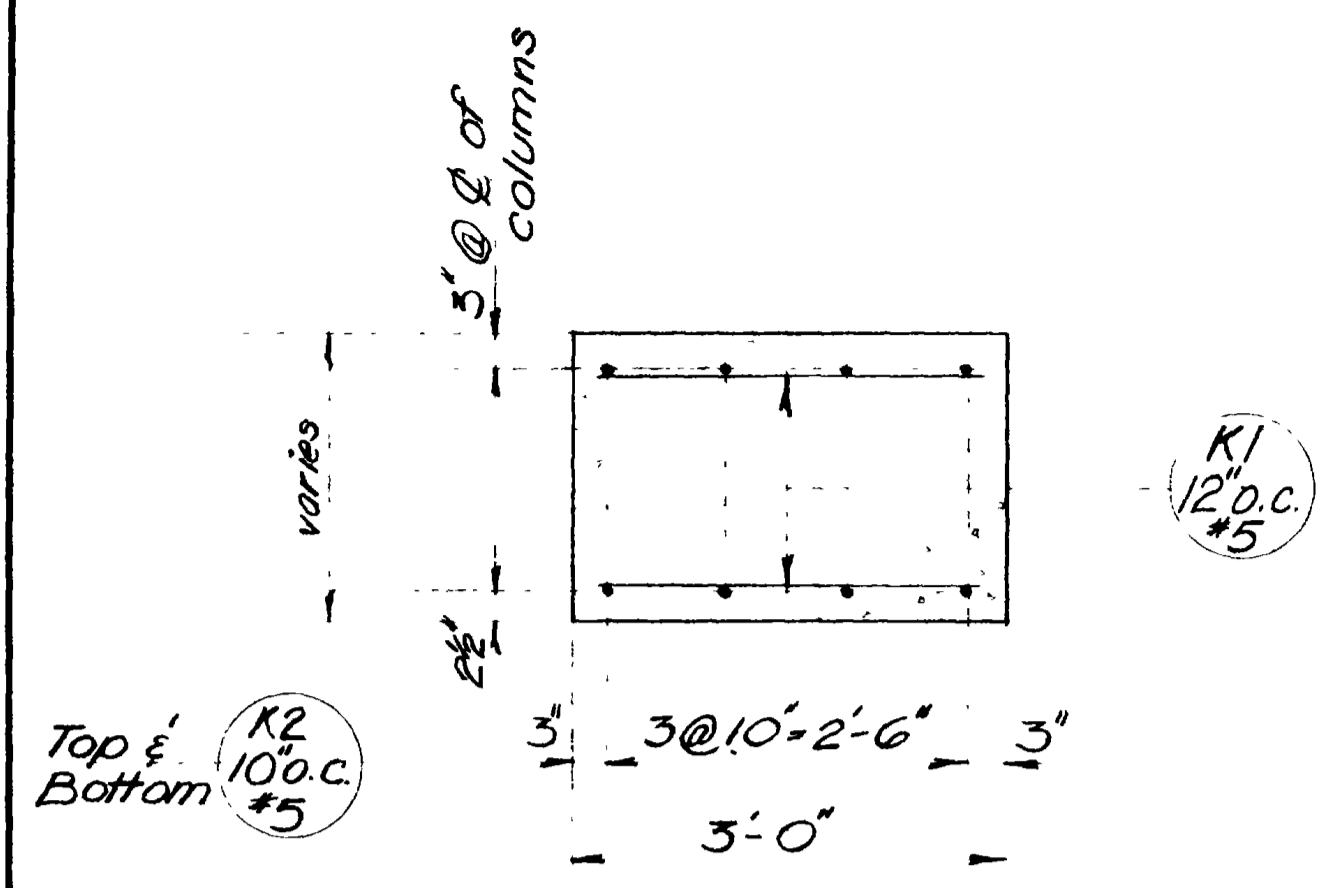
REVISIONS	DATE	BY

SHEET 13 OF 17 SHEETS

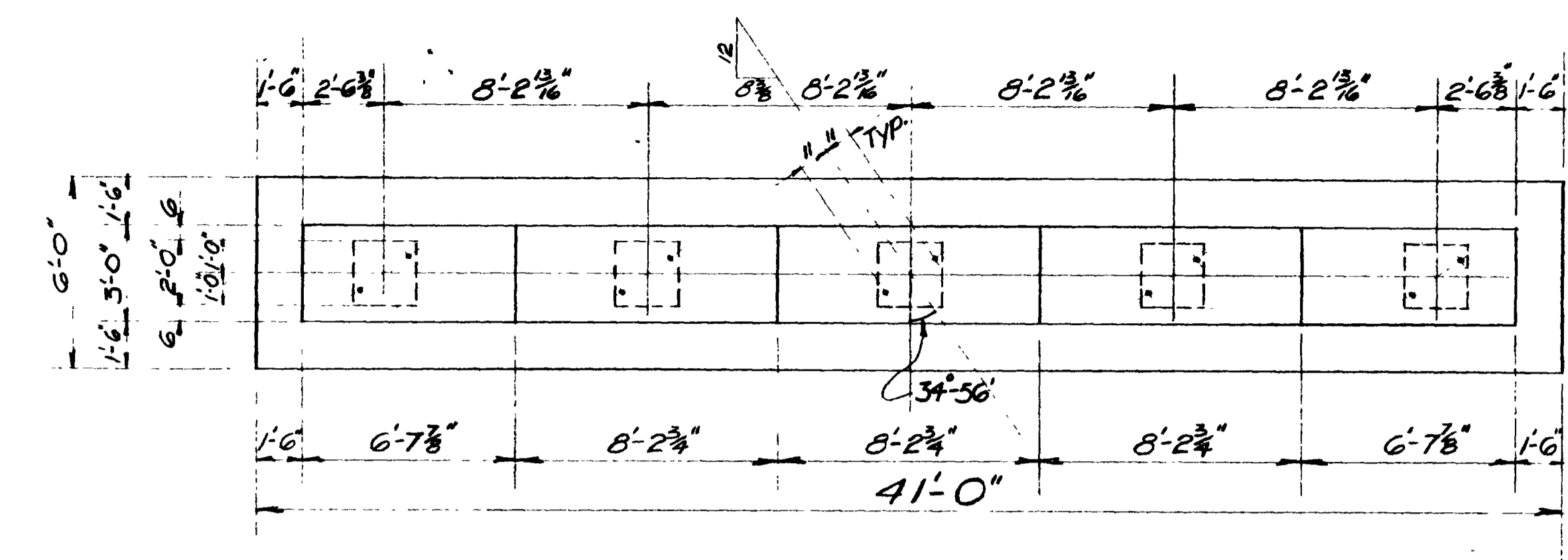
UTAH STATE ROAD COMMISSION
 SALT LAKE CITY UTAH
 BRIDGE DEPARTMENT

UPRR OVERPASS
 41216 at rd 124.56 X-ing L
 Sta. 227+13.69 F.C. 0+77.15 Weber Co
 Jct. SR 38E - Jct. Wall Ave. Ogden

DESIGNED BY F.M.E.	SCALE No Scale
DRAWN BY A.H.N.	ISSUED
CHECKED BY R.J.B.W.H.	APPROVED
BR No 29-208-1-2	DRG No C-314

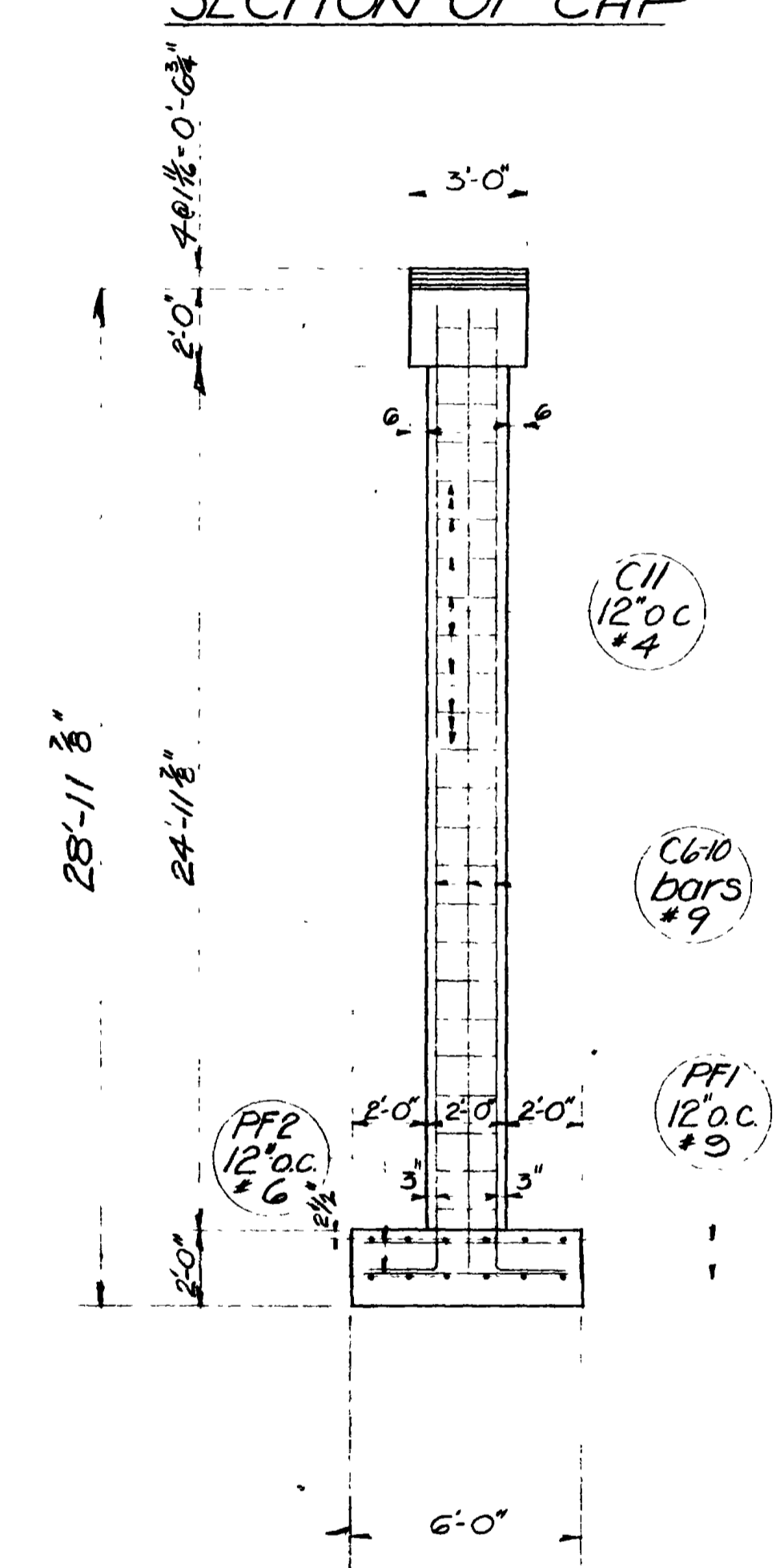


SECTION OF CAP

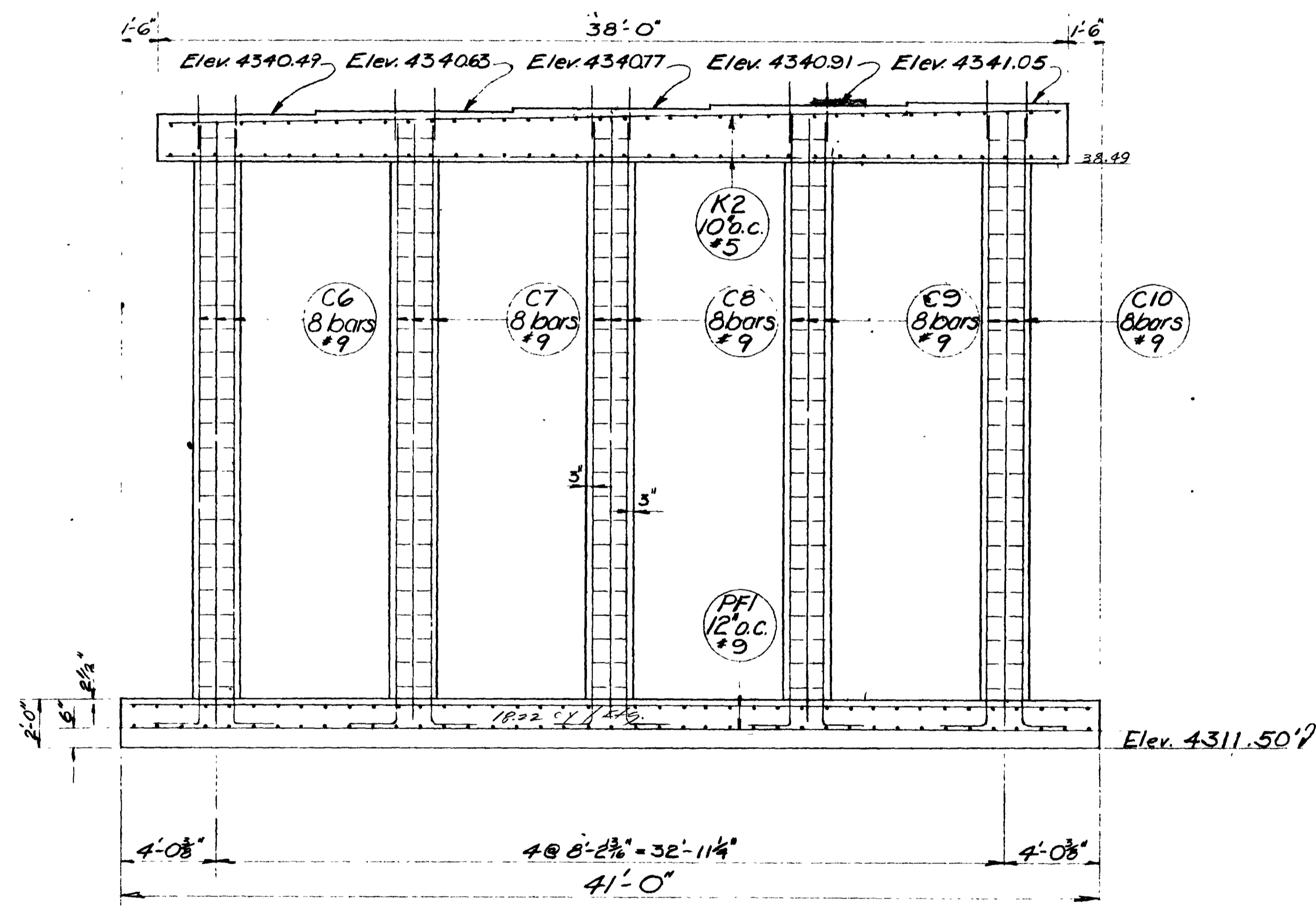


PLAN

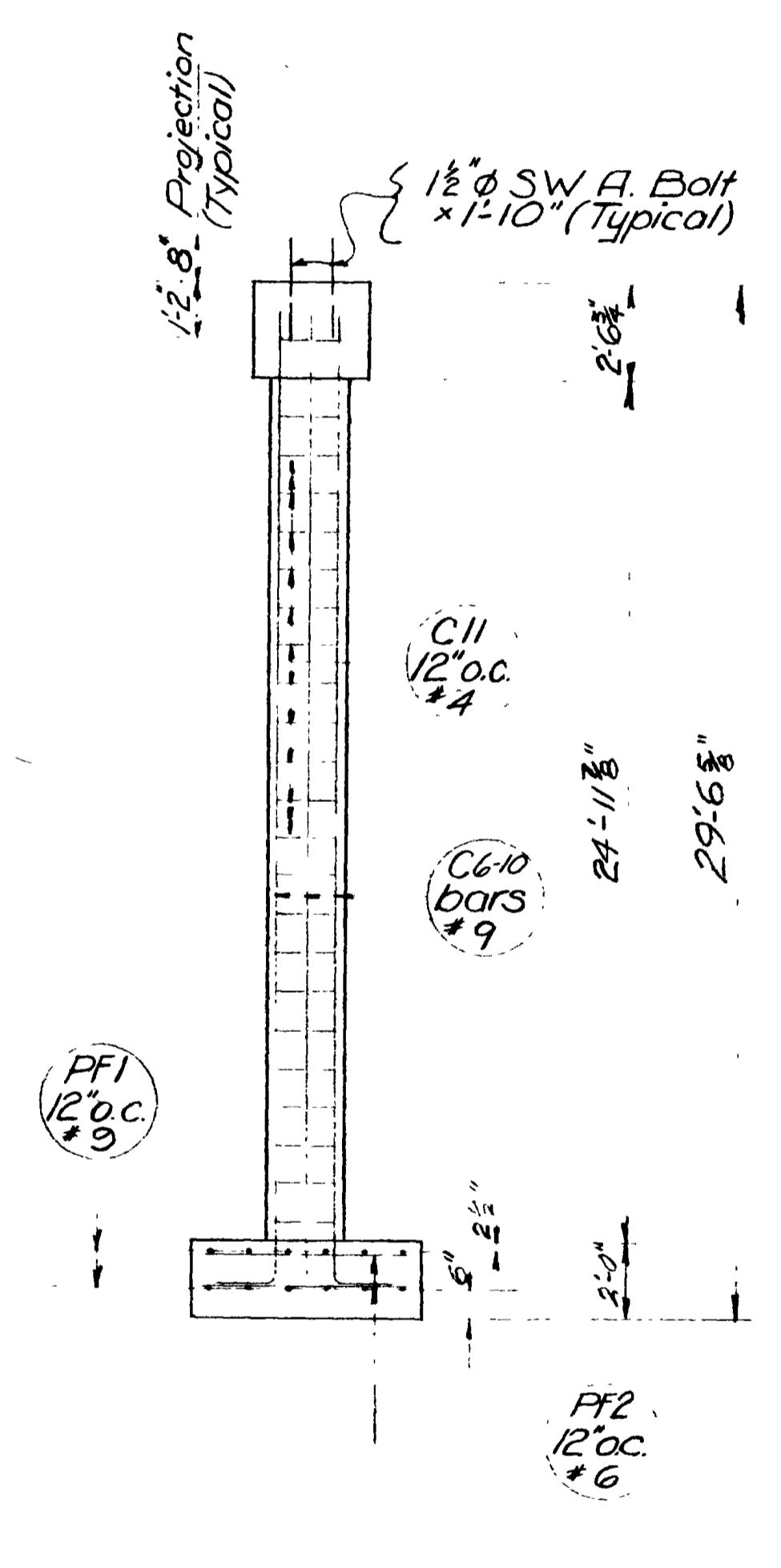
41 x 3 x 2		
6		
246	27	91
11	14	77
227		168
63		
42		



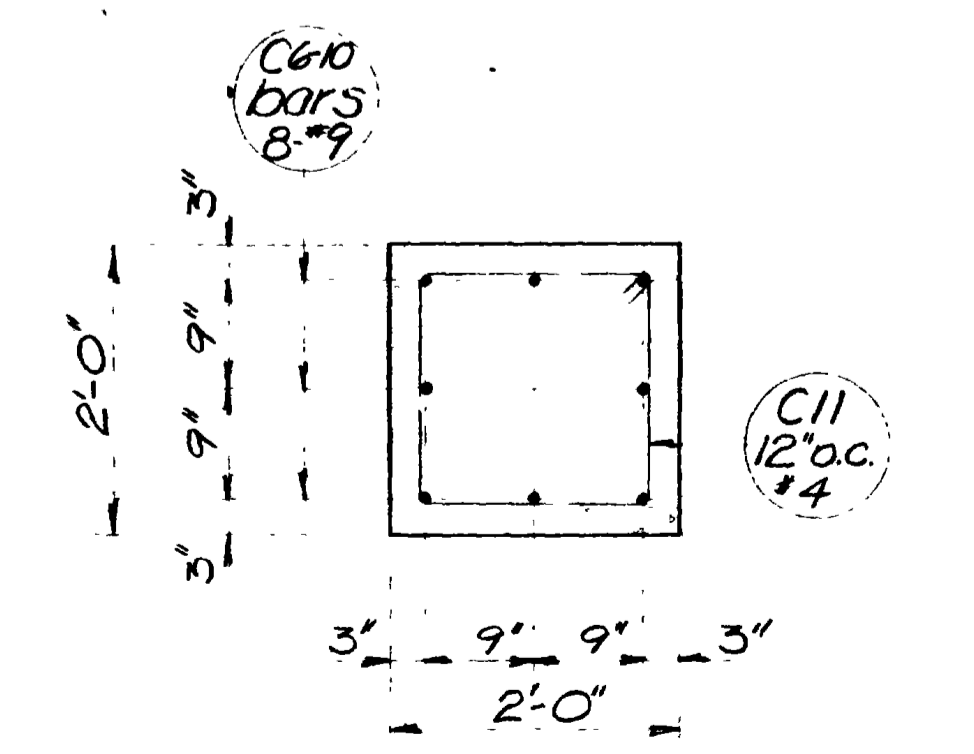
END ELEVATION



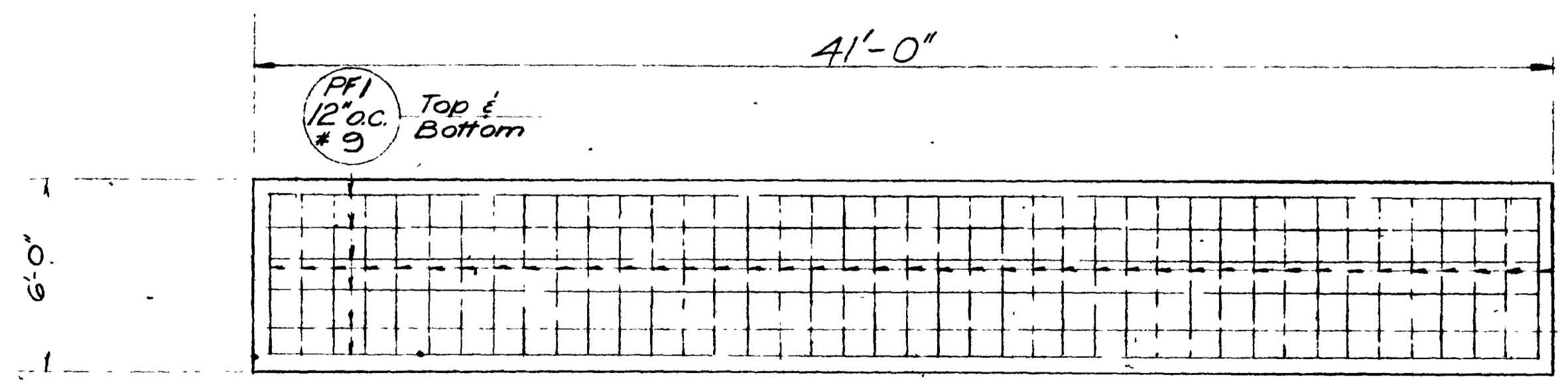
ELEVATION OF BENTS 4



END ELEVATION



SECTION OF COLUMNS



FOOTING PLAN

REVISIONS

NO.	DATE	BY

FOOTING: 427.54 FT³
WALL: 263.63 FT³ = 9.73 Yds³

FOOTING: 745.40 FT³
WALL: 618.94 FT³ = 22.92 Yds³

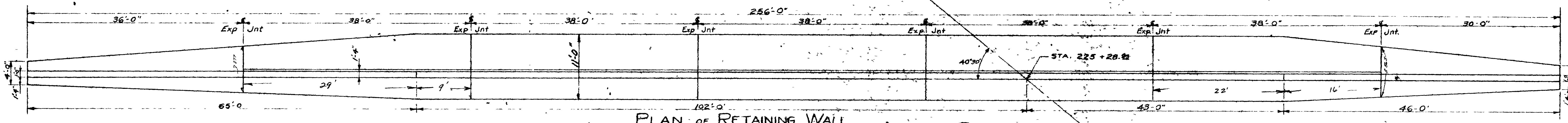
FOOTING: 836 FT³
WALL: 709.54 FT³ = 26.29 Yds³

FOOTING: 836 FT³
WALL: 709.54 FT³ = 26.29 Yds³

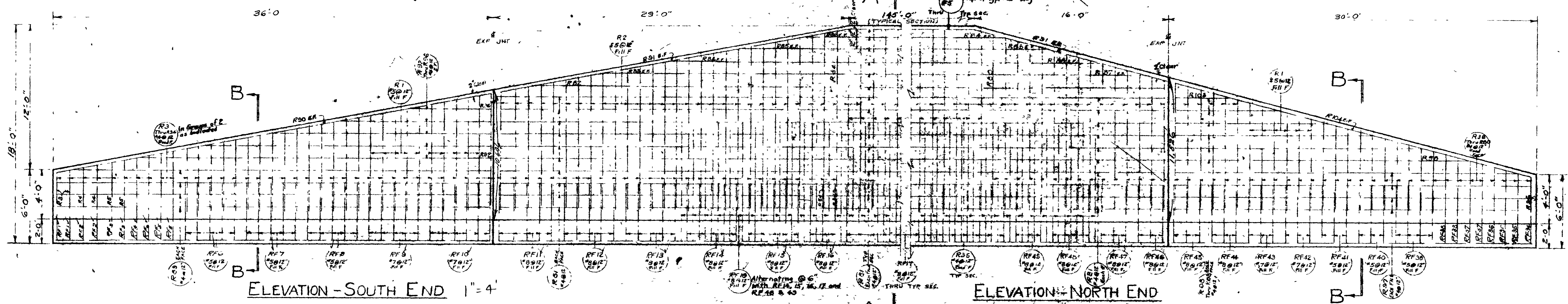
FOOTING: 836 FT³
WALL: 709.54 FT³ = 26.29 Yds³

FOOTING: 777.04 FT³
WALL: 670.56 FT³ = 24.84 Yds³

FOOTING: 377.00 FT³
WALL: 137.59 FT³ = 8.79 Yds³

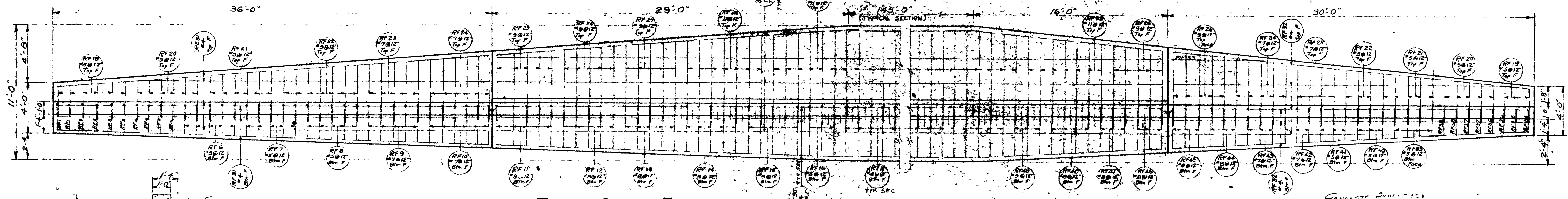


PLAN OF RETAINING WALL



ELEVATION - SOUTH END 1" = 4'

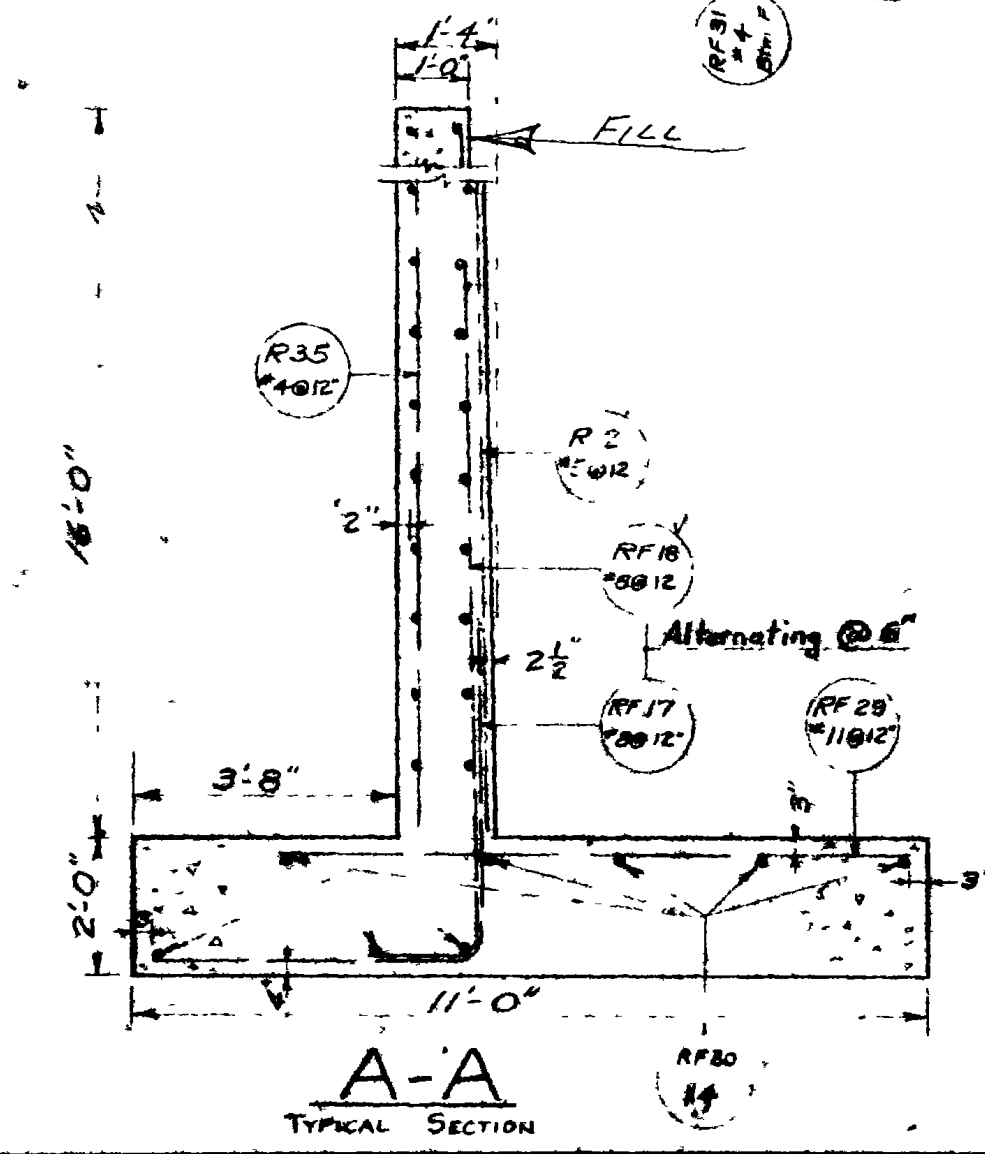
ELEVATION - NORTH END



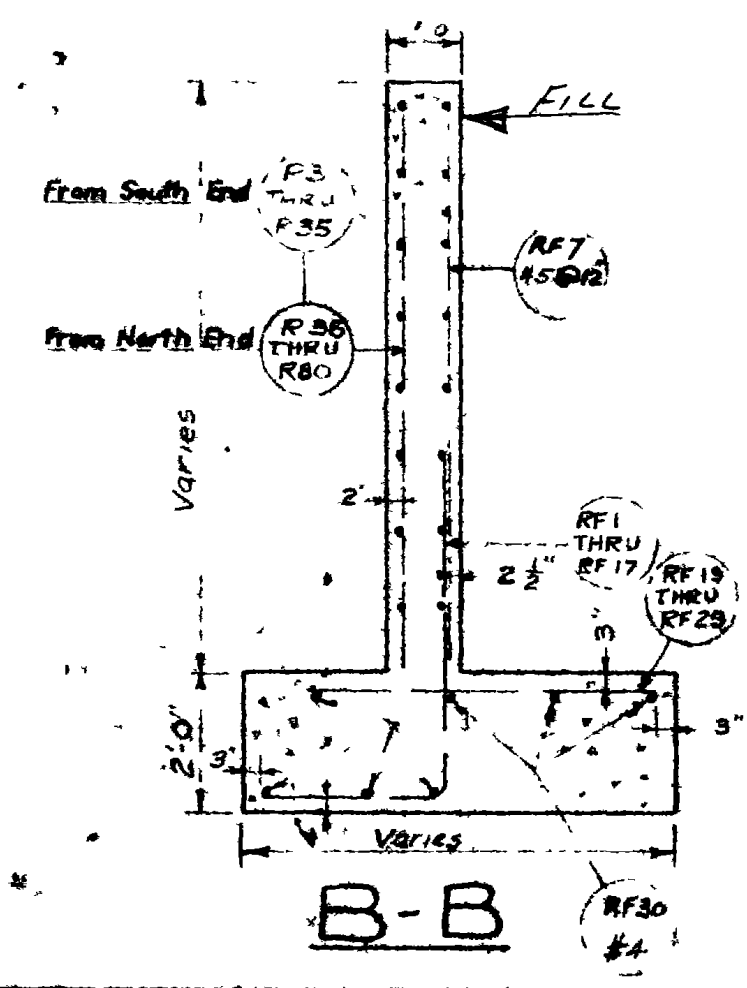
PLAN - SOUTH END 1" = 4'

PLAN - NORTH END

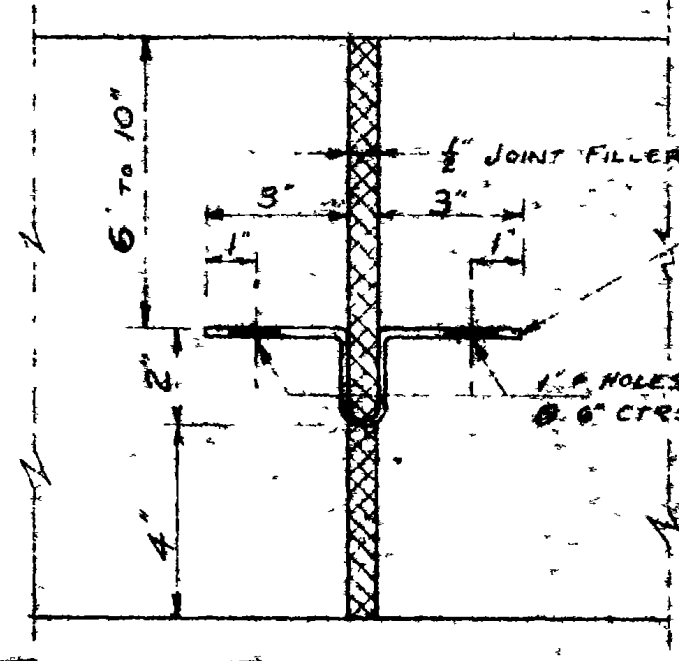
CONCRETE QUANTITIES
FOOTING = 465.498 FT³ = 17.92 Yds³
WALL = 3919.14 FT³ = 145.15 Yds³
TOTAL = 4384.646 FT³ = 163.07 Yds³



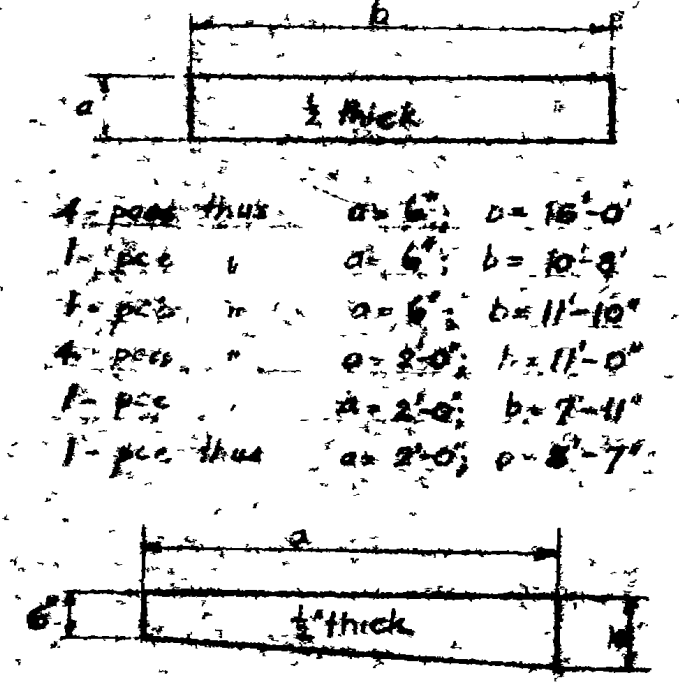
A-A TYPICAL SECTION



B-B TYPICAL SECTION



TYPICAL EXPANSION JOINT



JOINT FILLER MATERIAL (FOR RETAINING WALL ONLY)

Note - Quantities shown on this sheet are included in those shown on Sheet #1
Excav. for Structures 504 cu yds
Total Reinf. St. Reqd. = 26,306 lbs
Total Conc. Reqd. = 325 cu yds

Note: Payment for furnishing and placing Water Stop and Joint Filler shall be included in the Contract Unit Price for Concrete Class 'A'. Joint Filler shall be A.S.T.M. Designation M-153-54.

SHEET 15 OF 17 SHEETS

UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

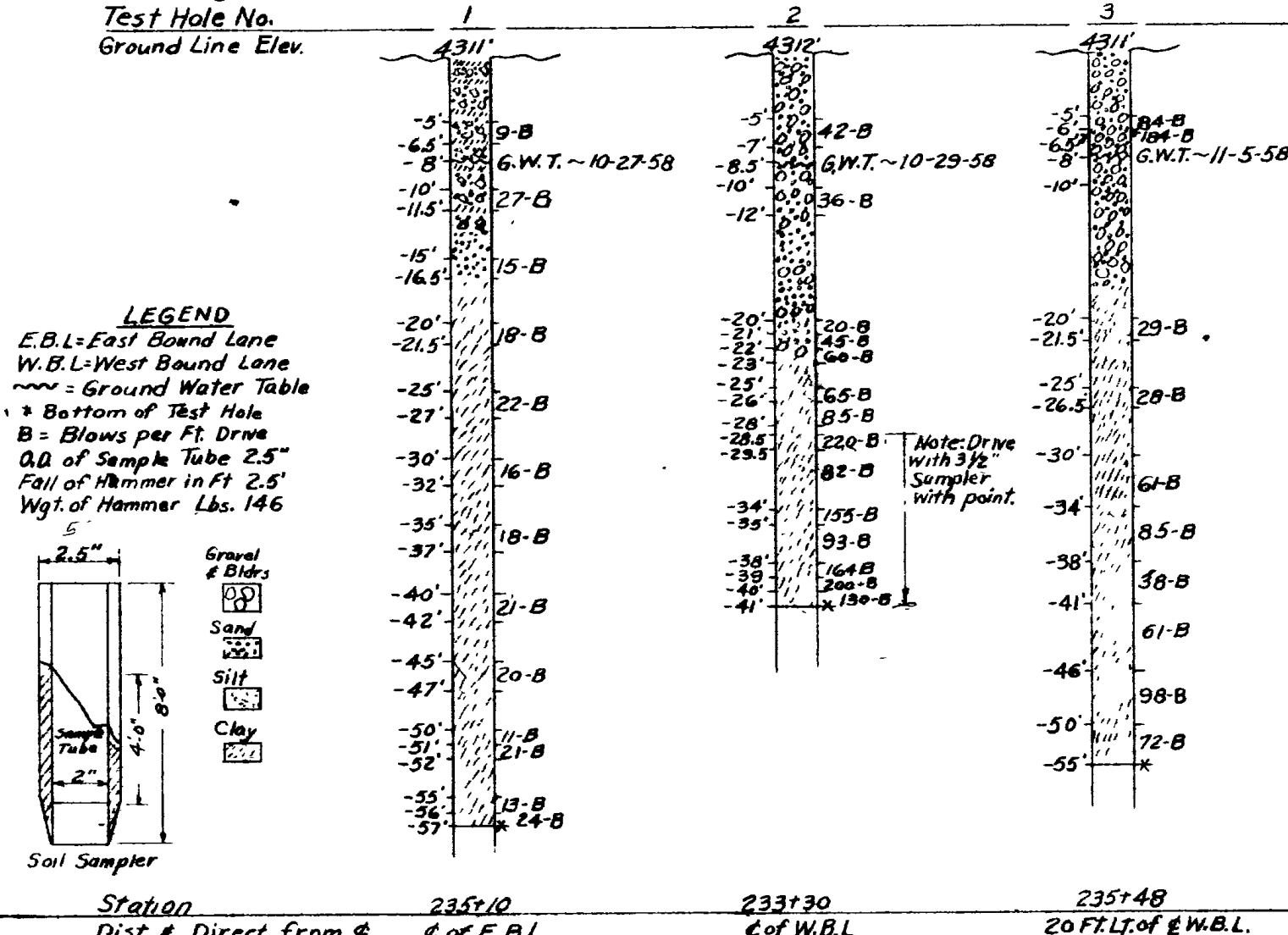
UPRR OVERPASS
412 1/2 TO 124 5/8 XING
Sta 226+91.82 FG-037-1(5)
Jct SR 30E - Jct Wall Ave Ogden Water

DESIGNED BY: R.M.B. SCALE: No. SCALE
DRAWN BY: R.M.B.
CHECKED BY: J.M.B. CHIEF ENGINEER

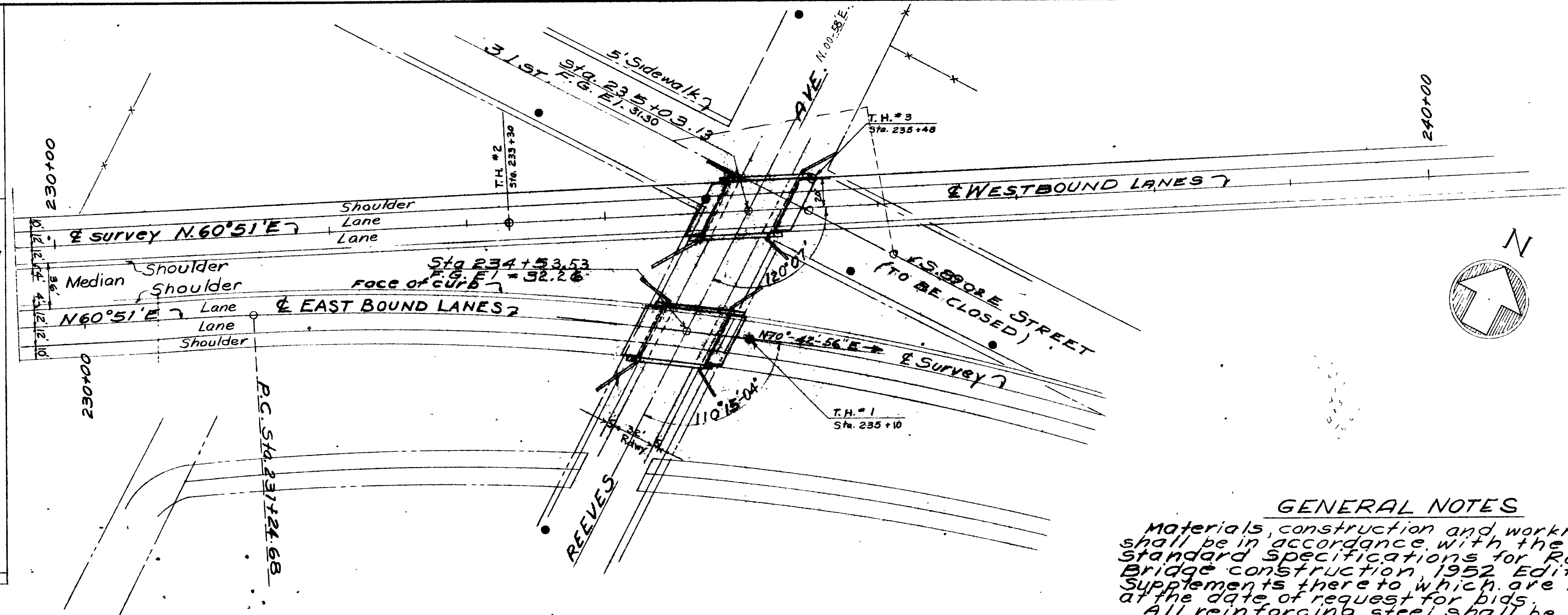
BR 29-208-1-2 DWG. NO. C-314

FOUNDATION DATA

Laboratory No. 58-5-840
 Soil No. Bridge Soil. This soil is representative of the top 10' to 15' only
 Soil Type Gravel, Sand, Silt
 Soil Classification A-1-a (0)
 Liquid Limit 19.0
 Plasticity Index N.P.
 % Minus #10 Mesh Sieve 21.8
 % Minus #40 Mesh Sieve 13.4
 % Minus #200 Mesh Sieve 6.4
 C.B.R. Supporting Value P.S.I. 900-lbs. per 0.1" penetration



LEGEND
 E.B.L. - East Bound Lane
 W.B.L. - West Bound Lane
 G.W.T. - Ground Water Table
 * - Bottom of Test Hole
 B - Blows per Ft. Drive
 Q.O. of Sample Tube 2.5"
 Fall of Hammer in Ft. 2.5"
 Wgt. of Hammer Lbs. 146



SITUATION PLAN
 1" = 50'

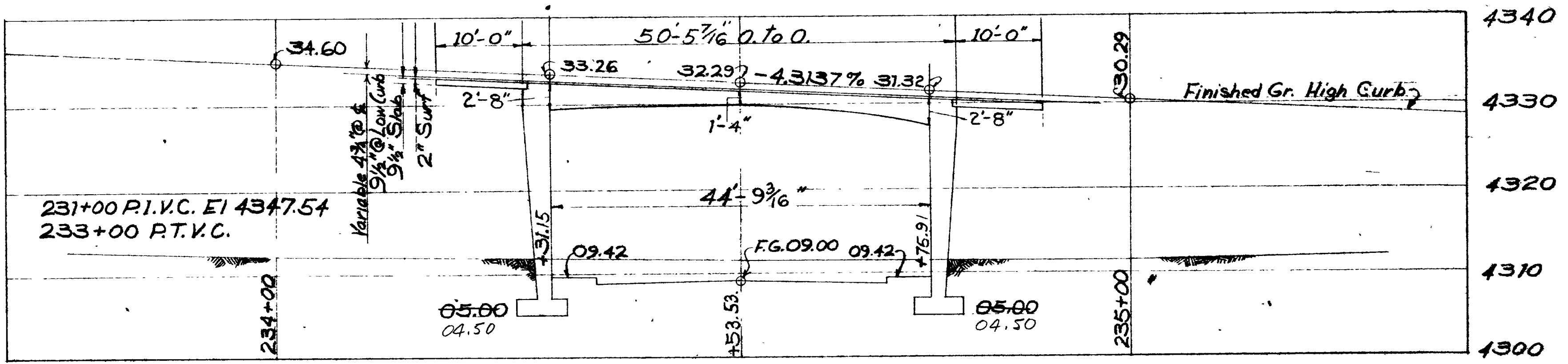
CURVE DATA
 Δ = 30° 07' Rt.
 D = 3° 00'
 R = 1910.08'
 L = 1003.88'
 T = 513.89'

GENERAL NOTES
 Materials, construction and workmanship shall be in accordance with the state standard specifications for Road and Bridge construction, 1952 Edition and Supplements thereto which are in effect at the date of request for bids.
 All reinforcing steel shall be intermediate grade standard A-305 reinforcing bars. All dimensions relating to reinforcing steel are to outside of bars.
 Type II cement required (Low Alkali)
 Piles shall be driven to elevations shown on the plans, or as directed by the Engineer; using a steam or air hammer or by jetting if necessary. The total energy developed by the hammer shall not be less than 10,000 foot-lbs. per blow.

DESIGN DATA
 H20-S16-44 Loading in accordance with the A.A.S.H.O. Specifications of 1957.
 f_c = 1200 p.s.i.; f_s (Reinf. Steel) = 20,000 p.s.i.; n = 10

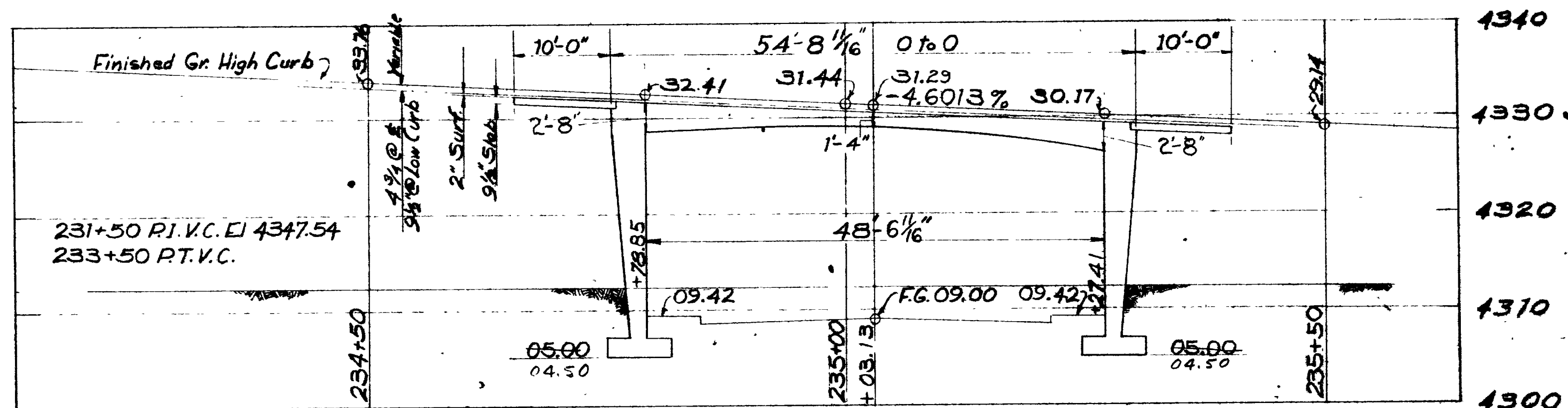
REVISIONS

NO.	DATE	BY	REASON
1	3-15-54	J.W.E.	REVISED



SECTION ON EAST BOUND LANE
 Natural Scale 1" = 10'

QUANTITIES - EASTBOUND
 Excavation For Structures (Unclass.) 455 700 Cu. Yds.
 Concrete Class "A" 431 655 Cu. Yds.
 Reinforcing Steel 73.17 33,083 Lbs.
 Steel Handrailing 324.3 116 Lin. Ft.
 * Piles (other than timber) 324.3 4,000 Lin. Ft.



SECTION ON WEST BOUND LANE
 Natural Scale 1" = 10'

QUANTITIES - WESTBOUND
 Excavation For Structures (Unclass.) 460 690 Cu. Yds.
 Concrete Class "A" 465 667 Cu. Yds.
 Reinforcing Steel 24.257 93,634 Lbs.
 Steel Handrailing 125 Lin. Ft.
 * Piles (other than timber) 4337.4 4320 Lin. Ft.
 Furnish Pile Driving Equip. 1 each

* For estimating only.

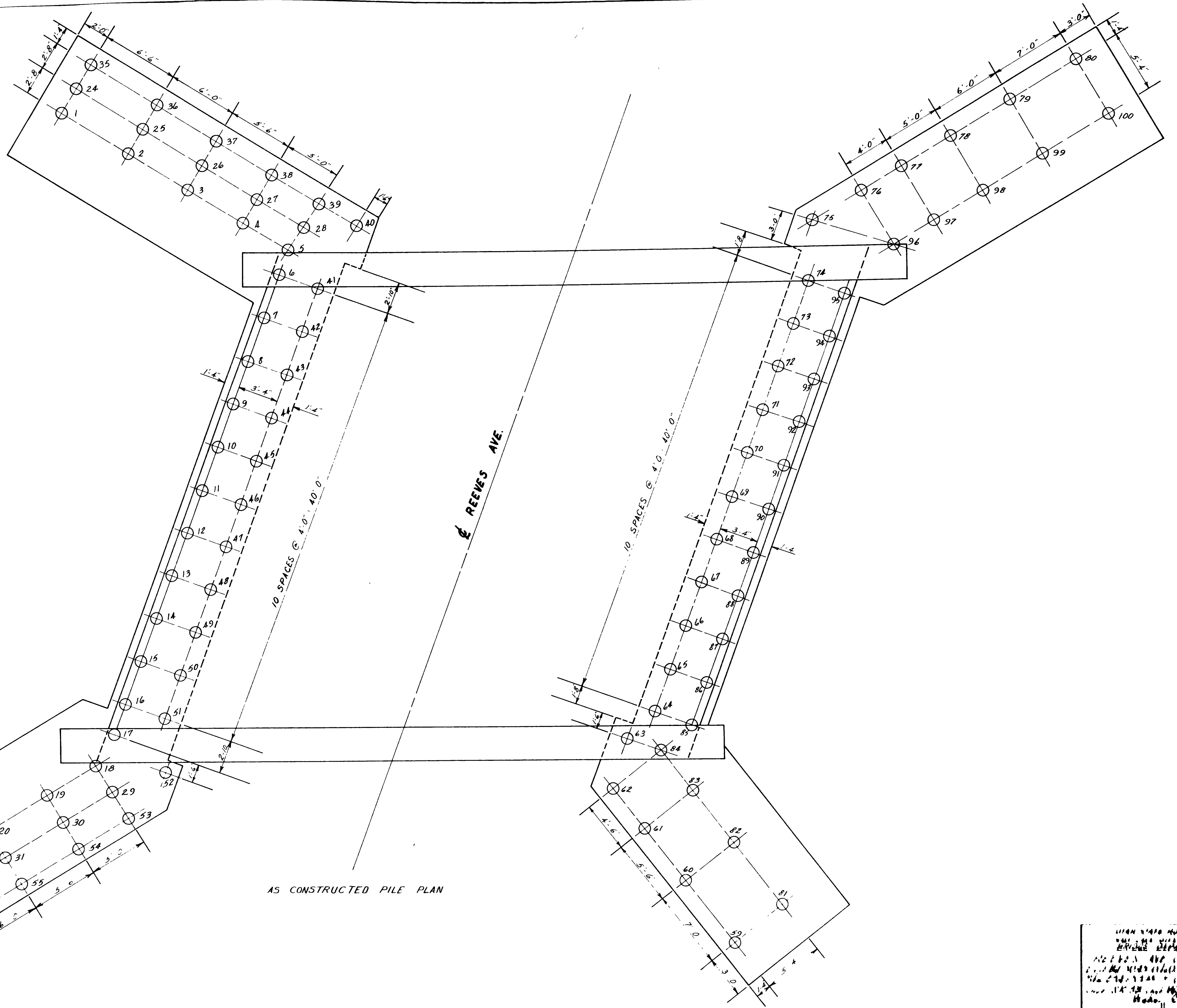
SHEET 1 OF 14 SHEETS

UTAH STATE ROAD COMMISSION
 SALT LAKE CITY, UTAH
 BRIDGE DEPARTMENT

REEVES AVE. OVERPASS
 5+172 0+0 W. Bd. - 50+45 0+0 E. Bd.
 Sta. 235+03.13 + Sta. 234+53.53
 Ogden, Weber Co. F-037-1(4) 2nd Co. Jct. S.R. 33 - Jct. Wall Ave.

DESIGNED BY F.M.E. SCALE As Shown
 DRAWN BY T.E.G. ISSUED
 CHECKED BY J.W.E. APPROVED
 CHIEF BRIDGE ENGINEER

BR 29-208-1-3 E.B. Lane Dwg No D-653 W
 NO 29-208-1-4 W.B. Lane

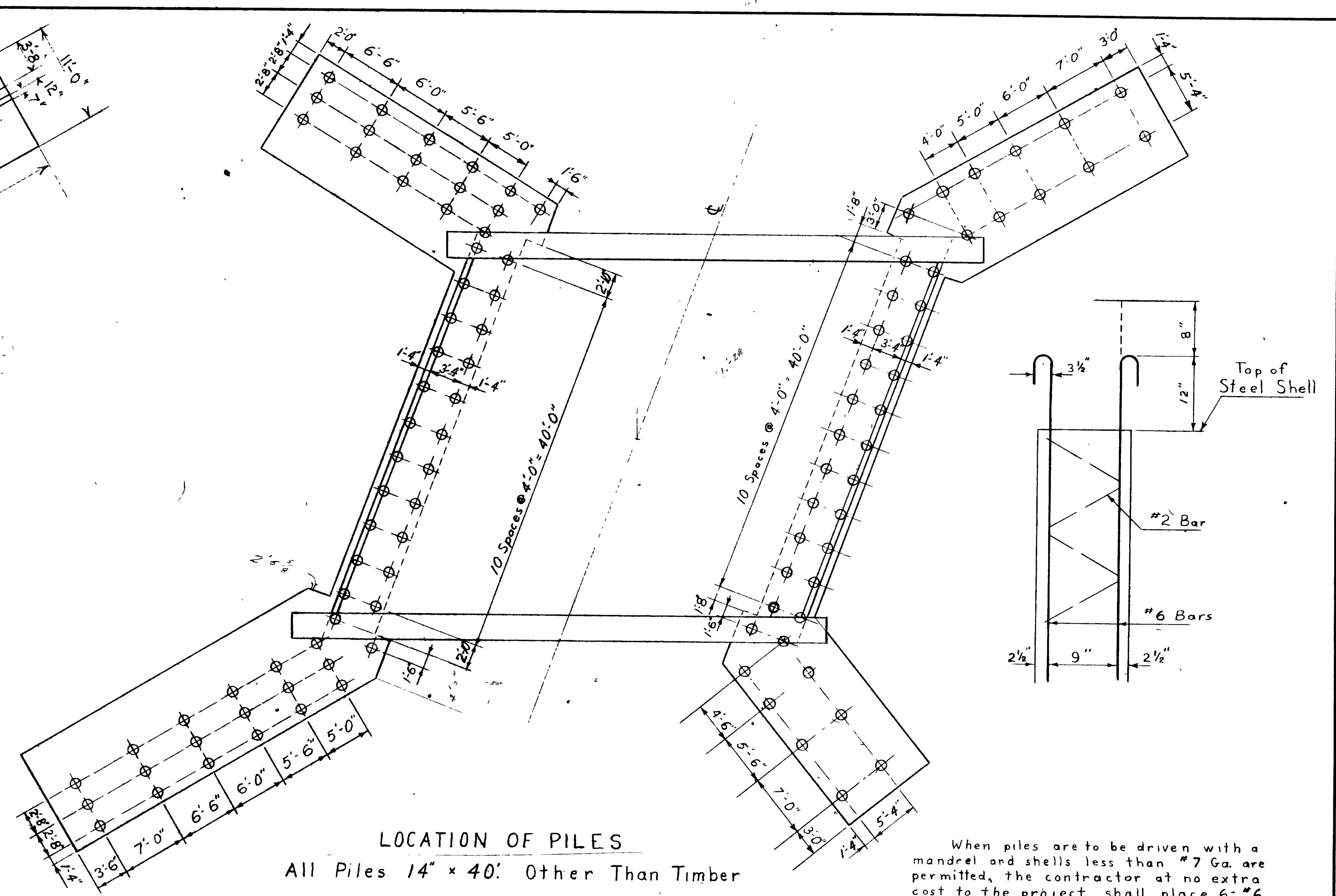
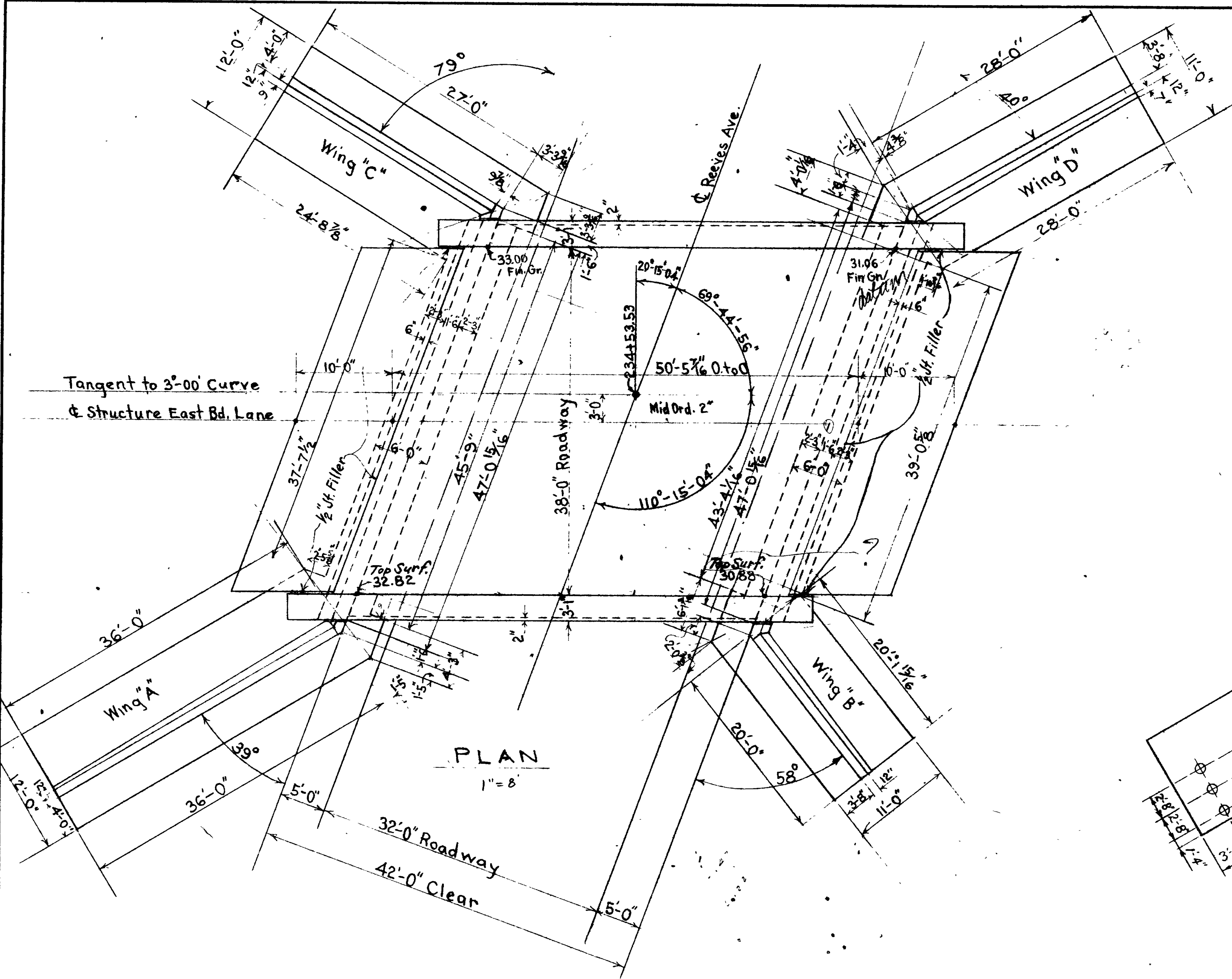


AS CONSTRUCTED PILE PLAN

[Handwritten notes, including 'For P.S.' and other illegible text.]

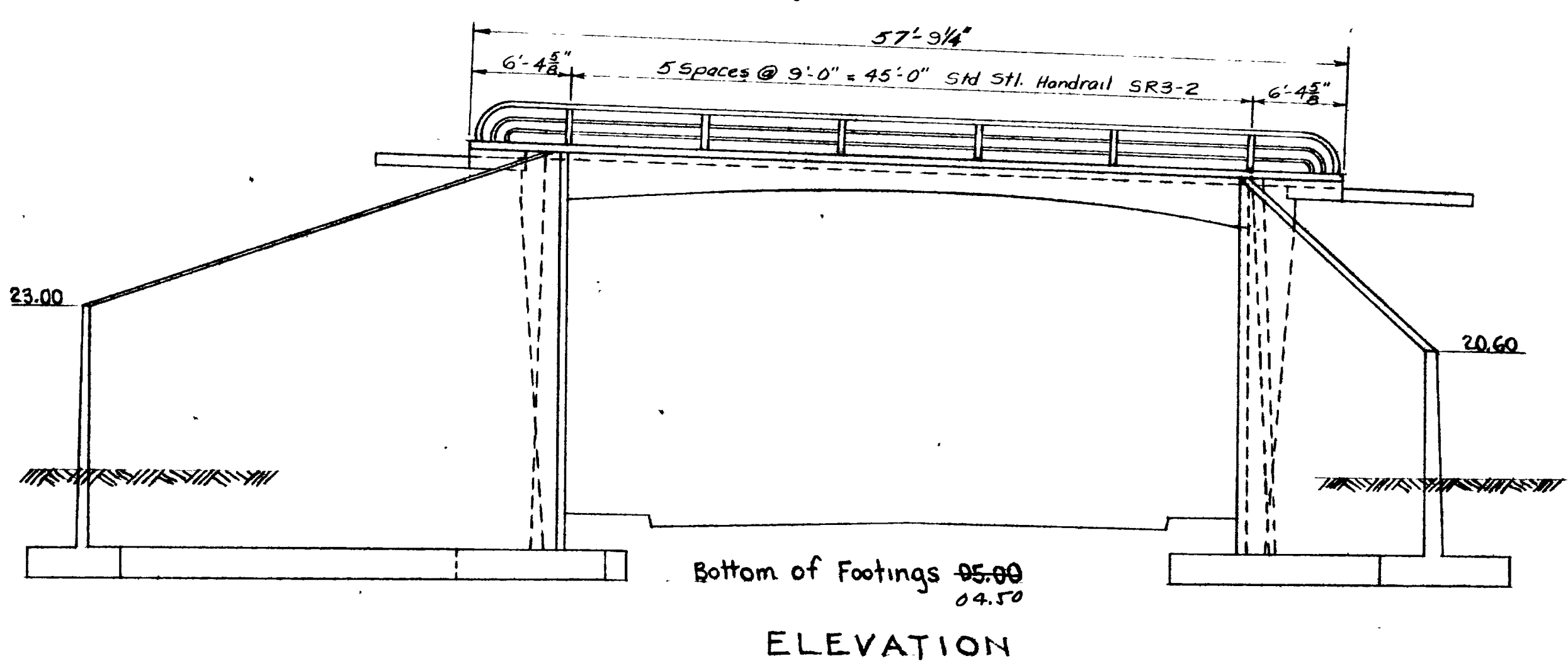
REVISIONS

NO.	DATE	BY

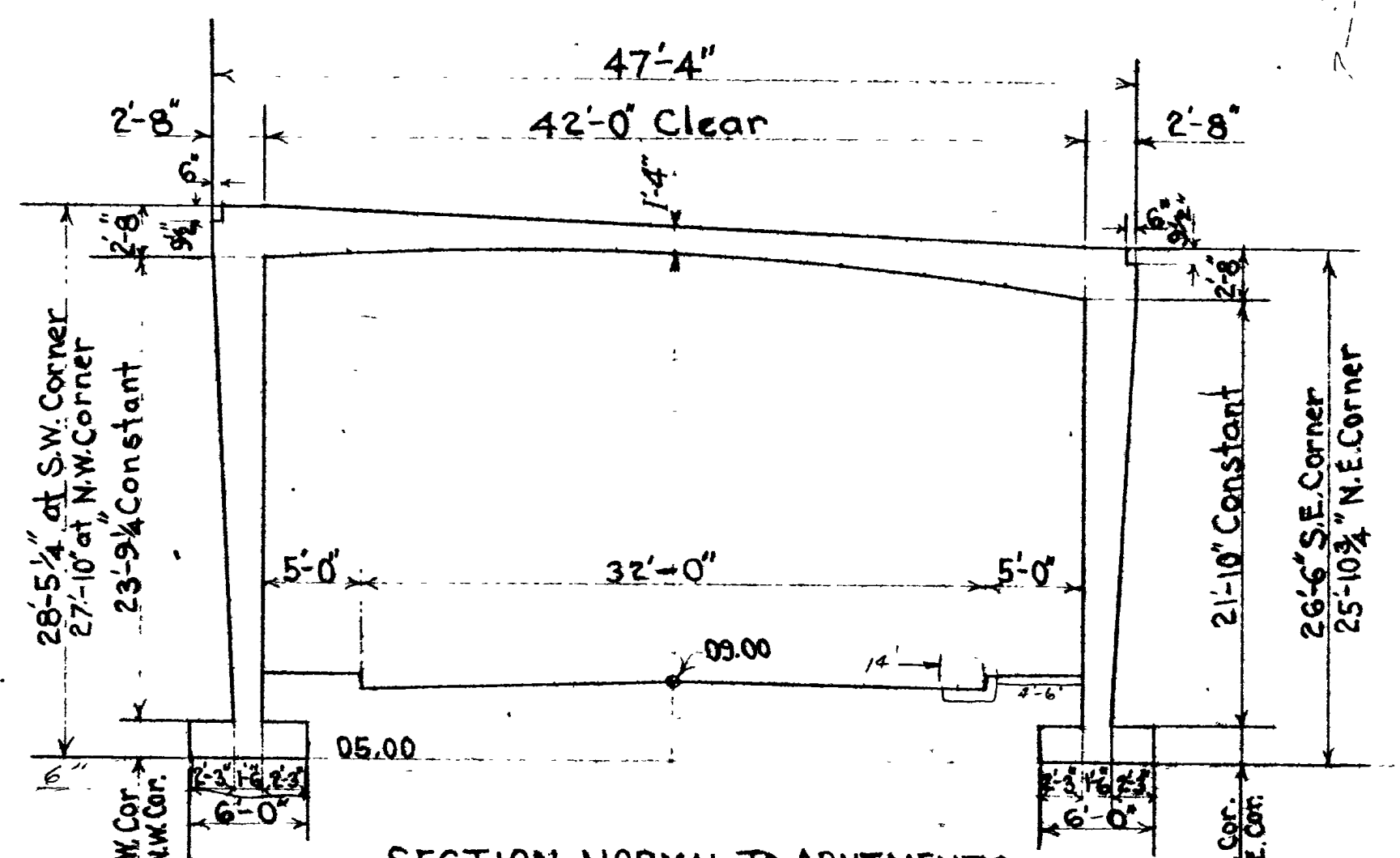


LOCATION OF PILES
All Piles 14" x 40'. Other Than Timber

When piles are to be driven with a mandrel and shells less than #7 Ga. are permitted, the contractor at no extra cost to the project shall place 6-#6 bars and #2 spiral reinforcing bars at 6" centers inside of each pile extending 10 ft. below the bottom of footings or encasement.
Payment for furnishing and placing Class "A" Concrete in piles shall be included in unit price for "Piles (other than timber)".



ELEVATION



SECTION NORMAL TO ABUTMENTS

CONCRETE QUANTITIES

LOCATION	QUANTITY
WEST FOOTING	98.98
EAST FOOTING	78.57
WING A	42.92
B	21.01
C	33.14
D	29.42
WEST ABUTMENT	86.42
EAST ABUTMENT	77.42
DECK	143.40
NORTH SIDEWALK OR CURB	8.10
SOUTH SIDEWALK OR CURB	8.10
EAST & WEST APPROACH CL.	23.35
TOTAL EAST BOUND STR.	650.87

EASTBOUND STRUCTURE

SHEET 2 OF 14 SHEETS

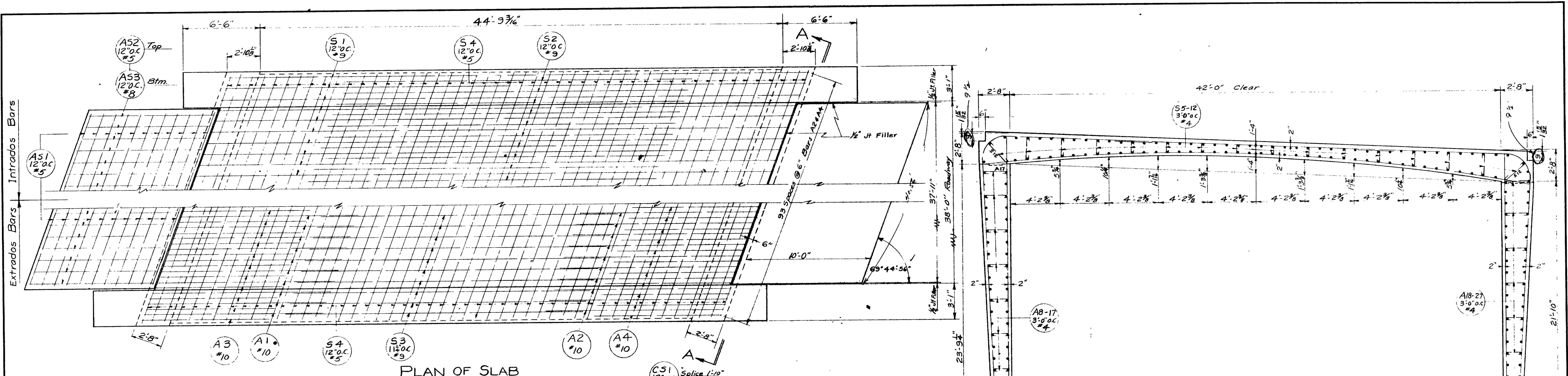
UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

REEVES AVE. OVERPASS
East Bd. 50.45 0 to 0. 110'-15'-04" Xing
Sta 234+53.53 F-037-1(4) 2nd Cont.
Jct. S.R. 38 - Jct. Wall Ave Ogden
Weber Co.

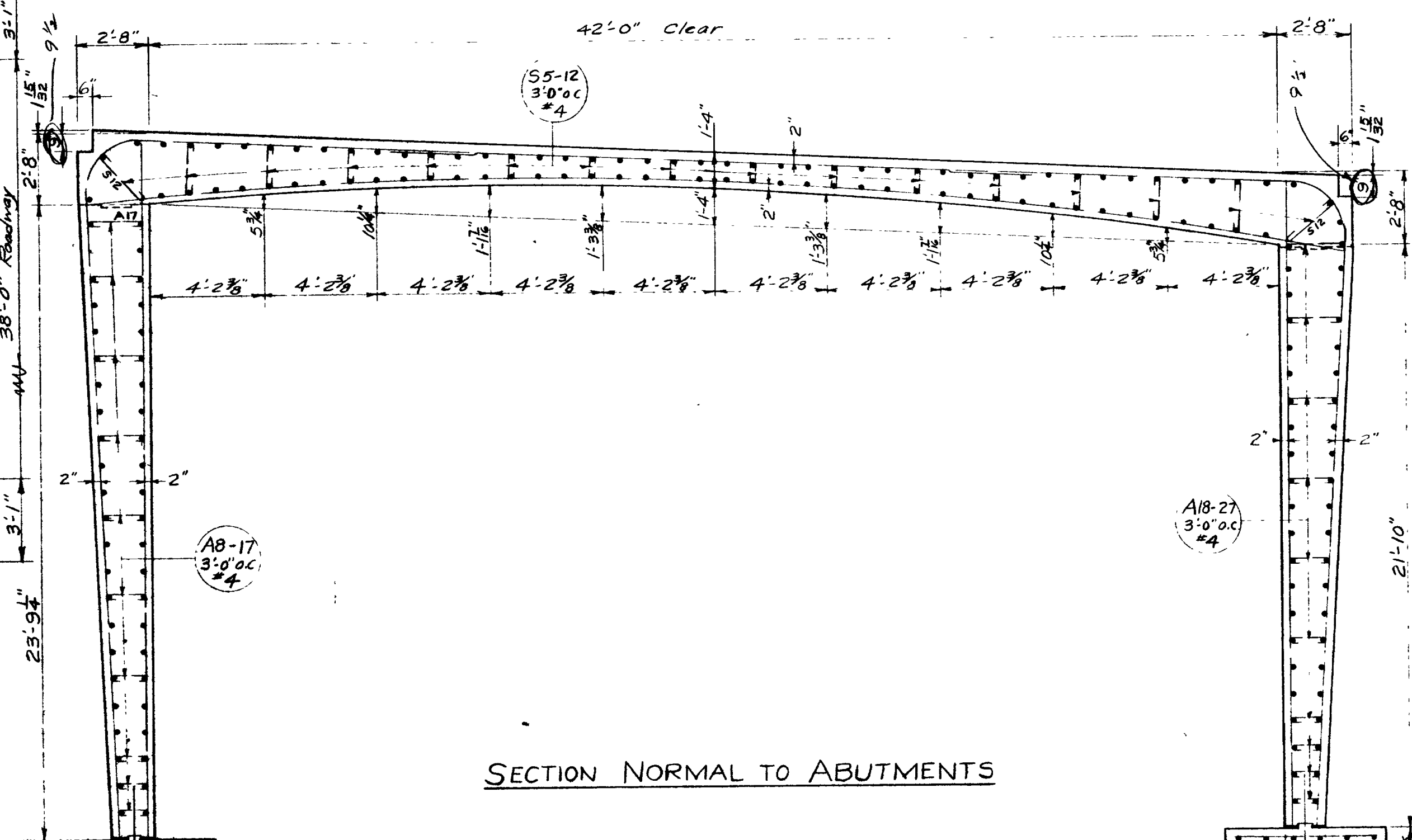
DESIGNED BY F.M.E. SCALE
DRAWN BY F.M.E. ISSUED
CHECKED BY J.W.E. APPROVED
CHIEF BRIDGE ENGINEER

BR No 29-20B-1-3(E.B) DRG No D-653E

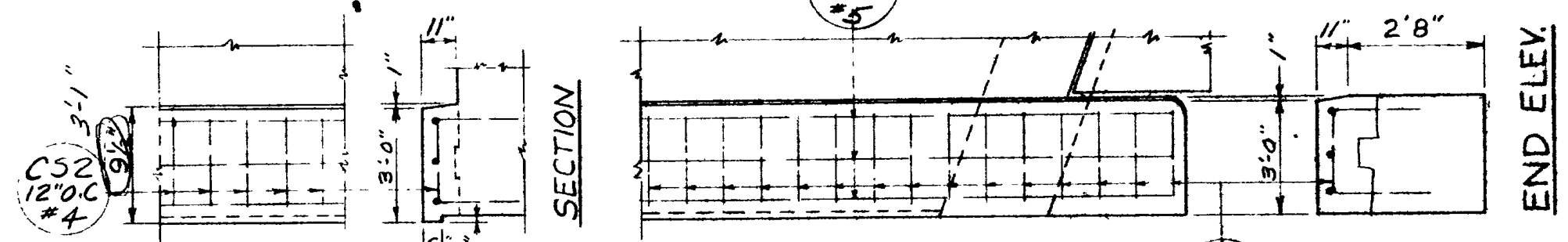
NO.	DATE	BY	REVISIONS
1	3-28-58	RUB	



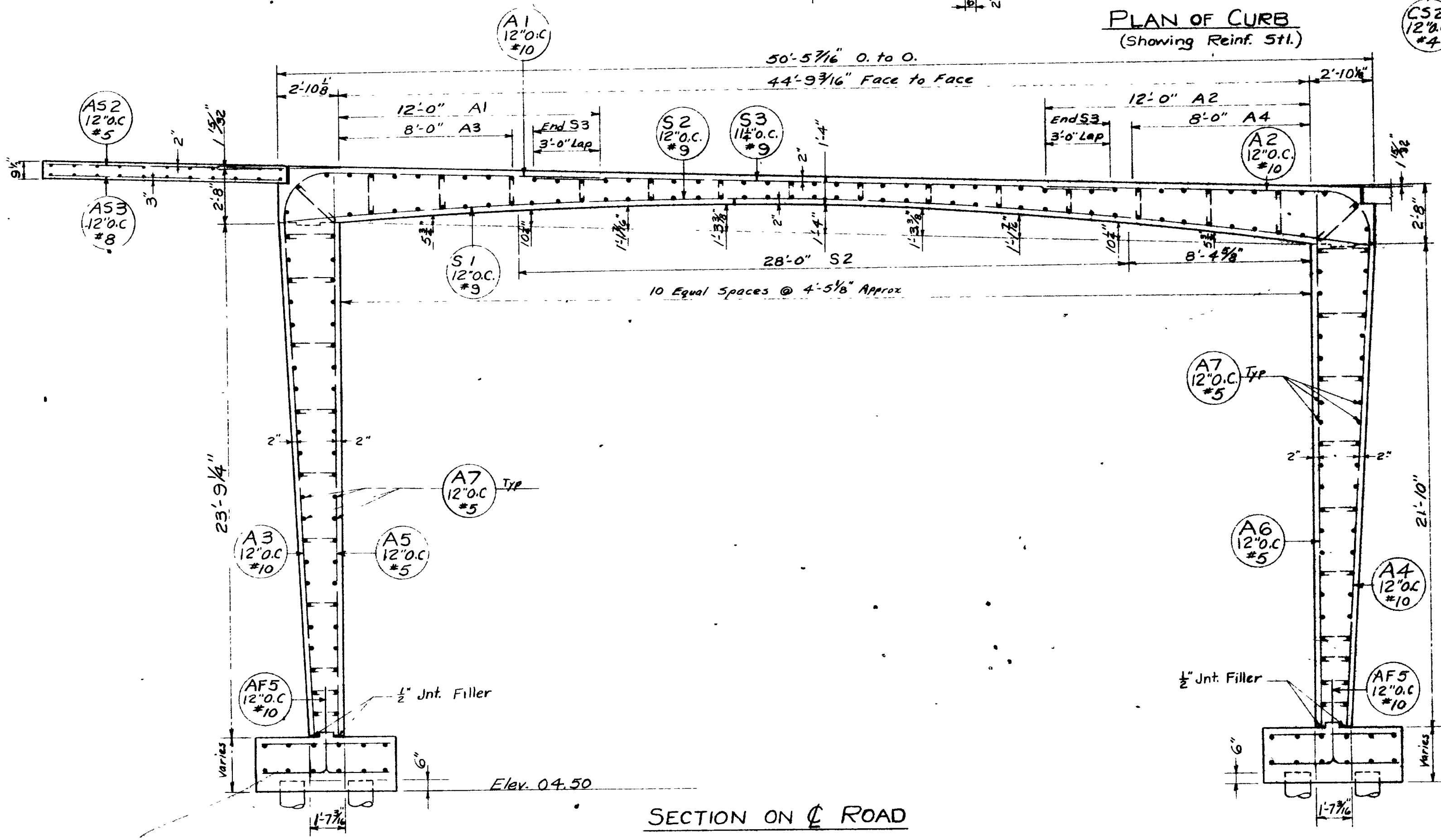
PLAN OF SLAB



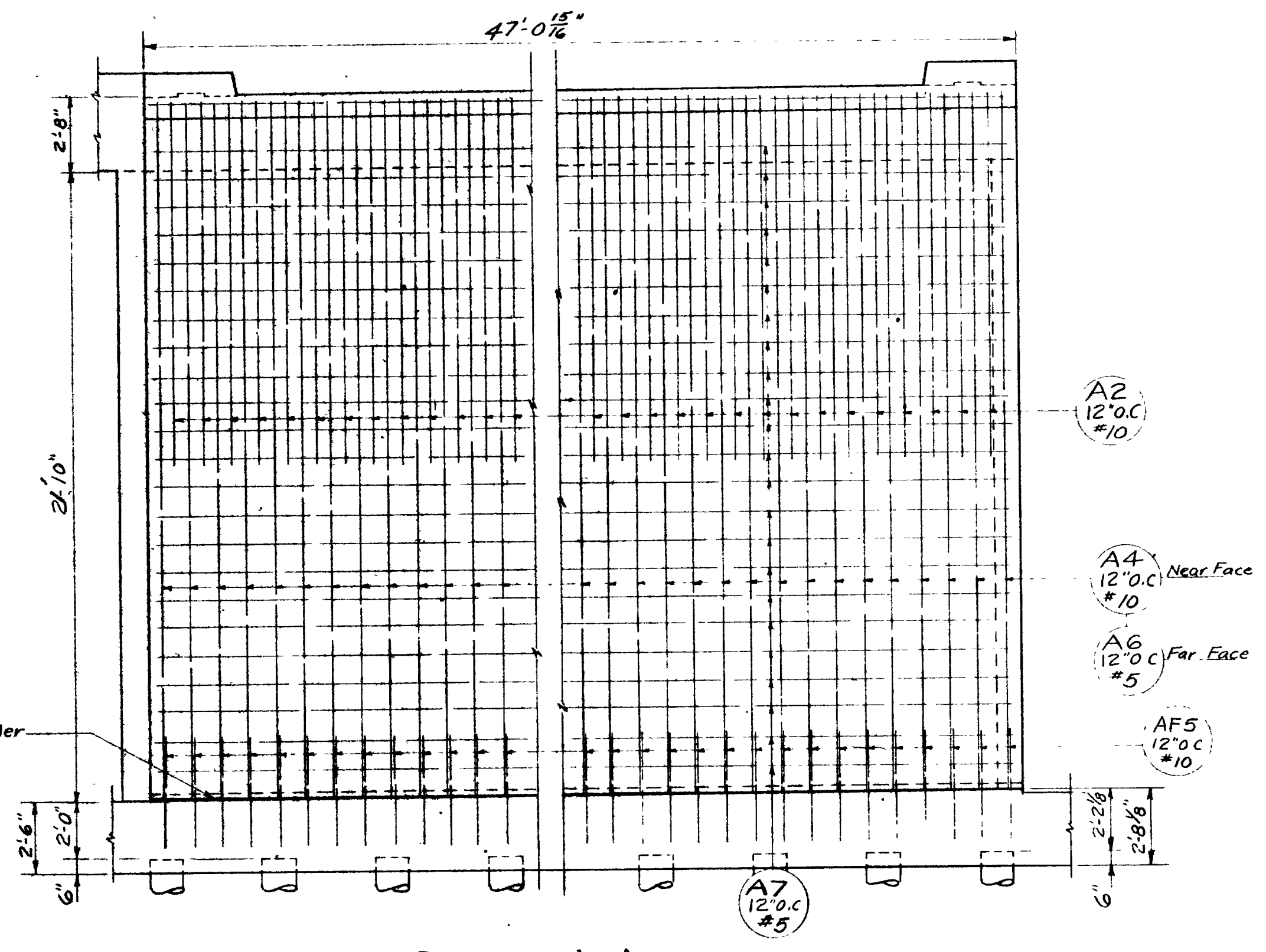
SECTION NORMAL TO ABUTMENTS



PLAN OF CURB
(Showing Reinf. Stl.)



SECTION ON ROAD



SECTION A-A

FRAME DETAILS

SHEET 3 OF 14 SHEETS

UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

REEVES AVE. O'PASS
E. Bd. 50.45' O. to O. 110'15'04\"/>

DESIGNED BY F.M.E. SCALE 1/4\"/>

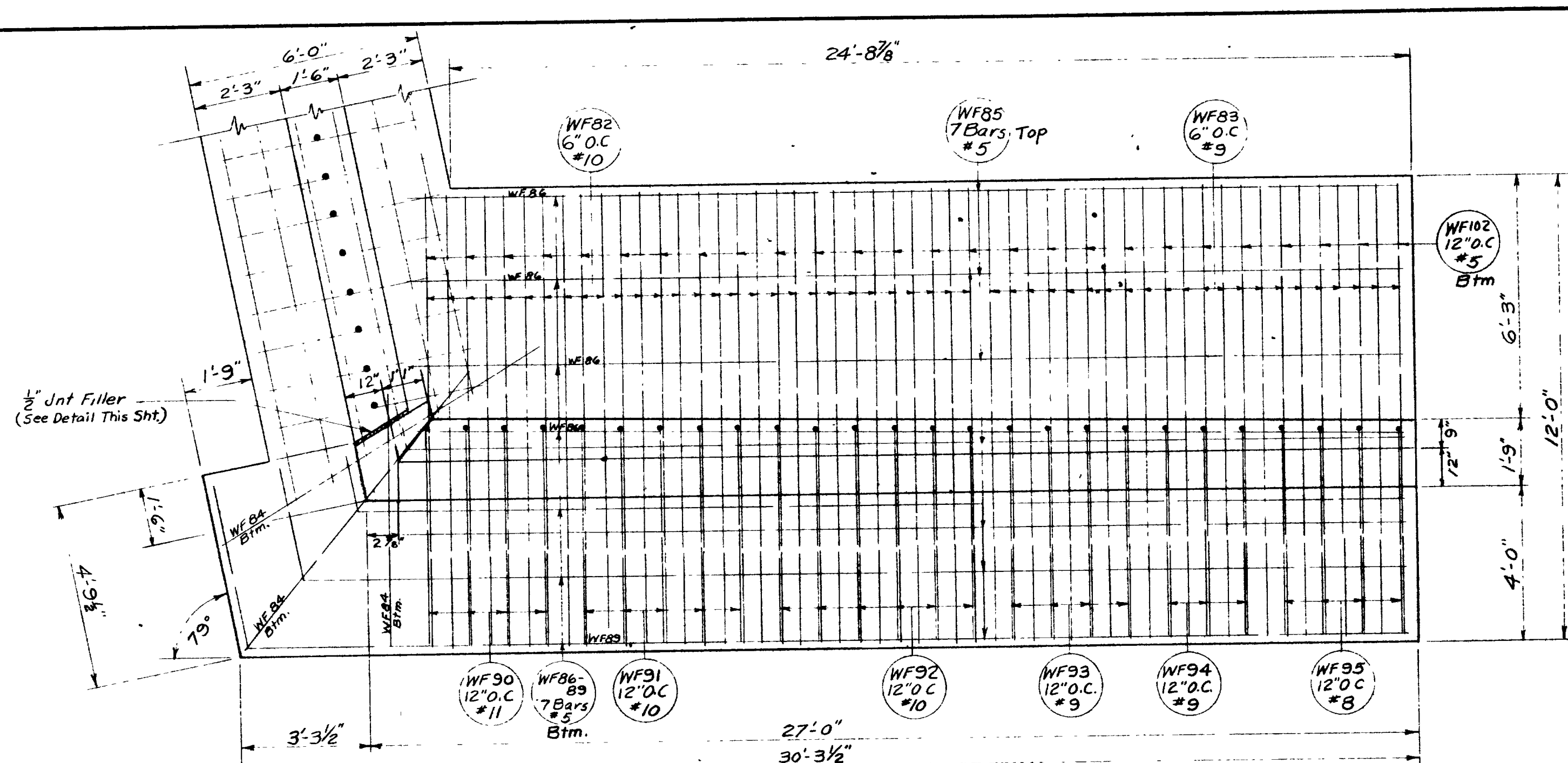
DRAWN BY R.J.B. ISSUED

TRACED BY J.W.E. APPROVED

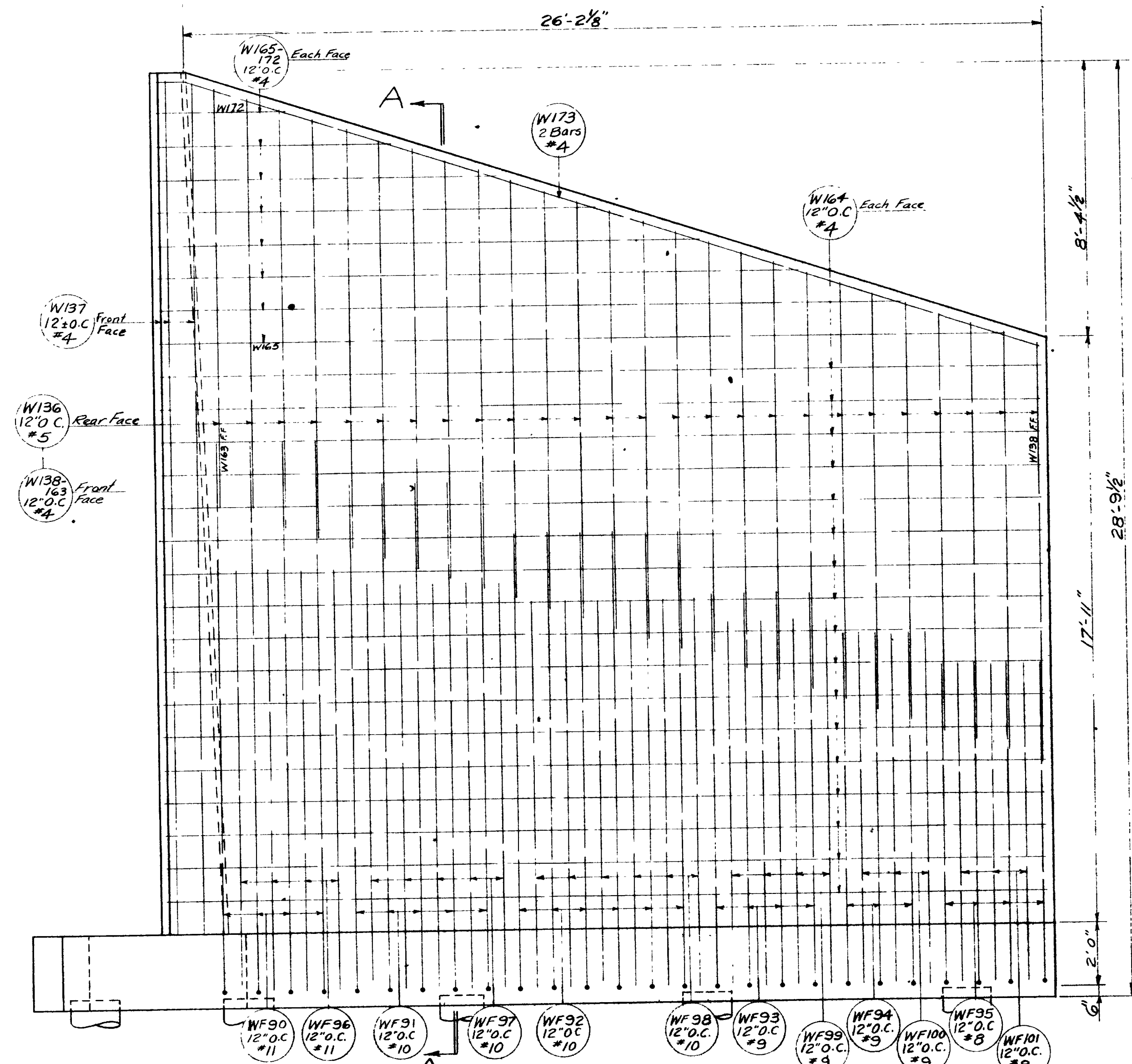
CHECKED BY J.W.E. CHIEF BRIDGE ENGINEER

BR No 29-208-1-3(E.B.) DRG No D-653E

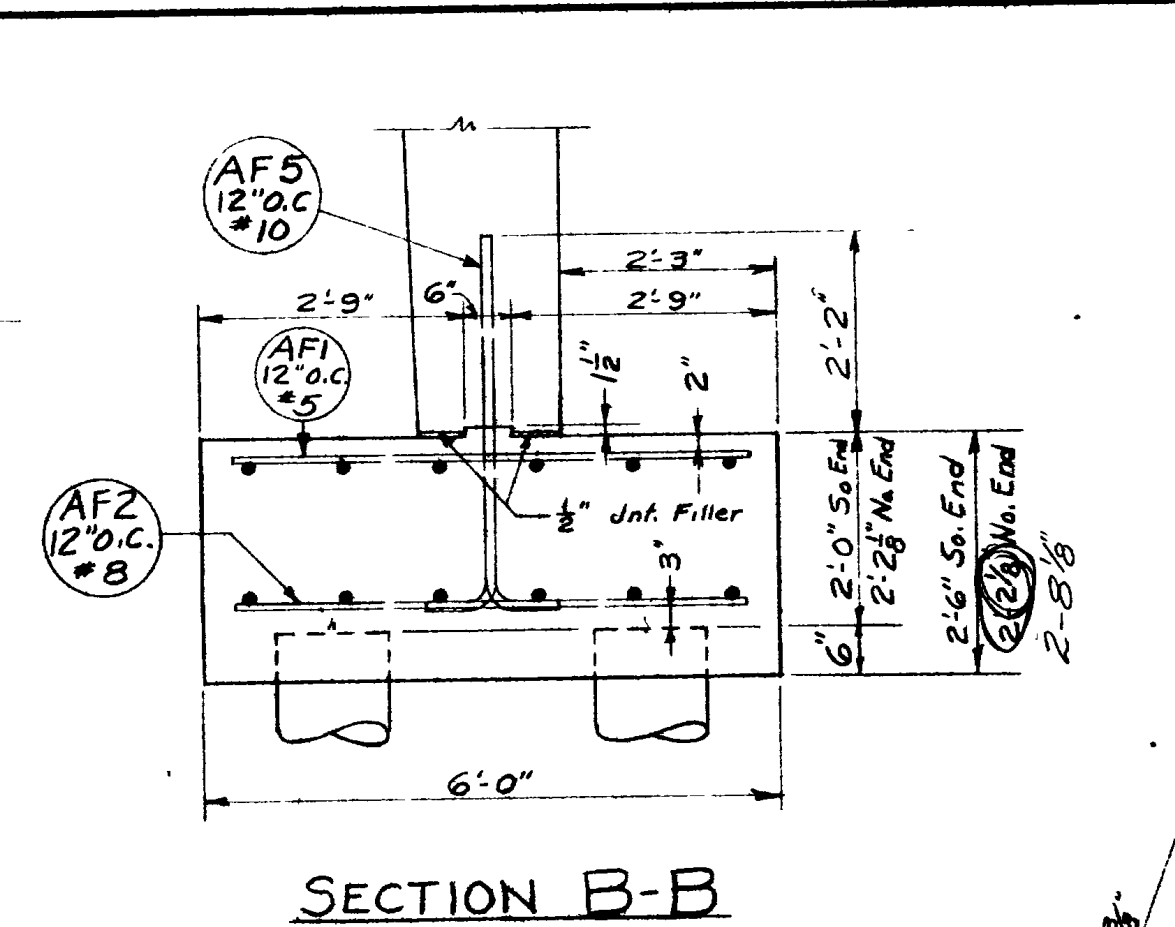
REVISIONS	DATE	BY
1	3/75	JWE
2	2-23-59	JWB



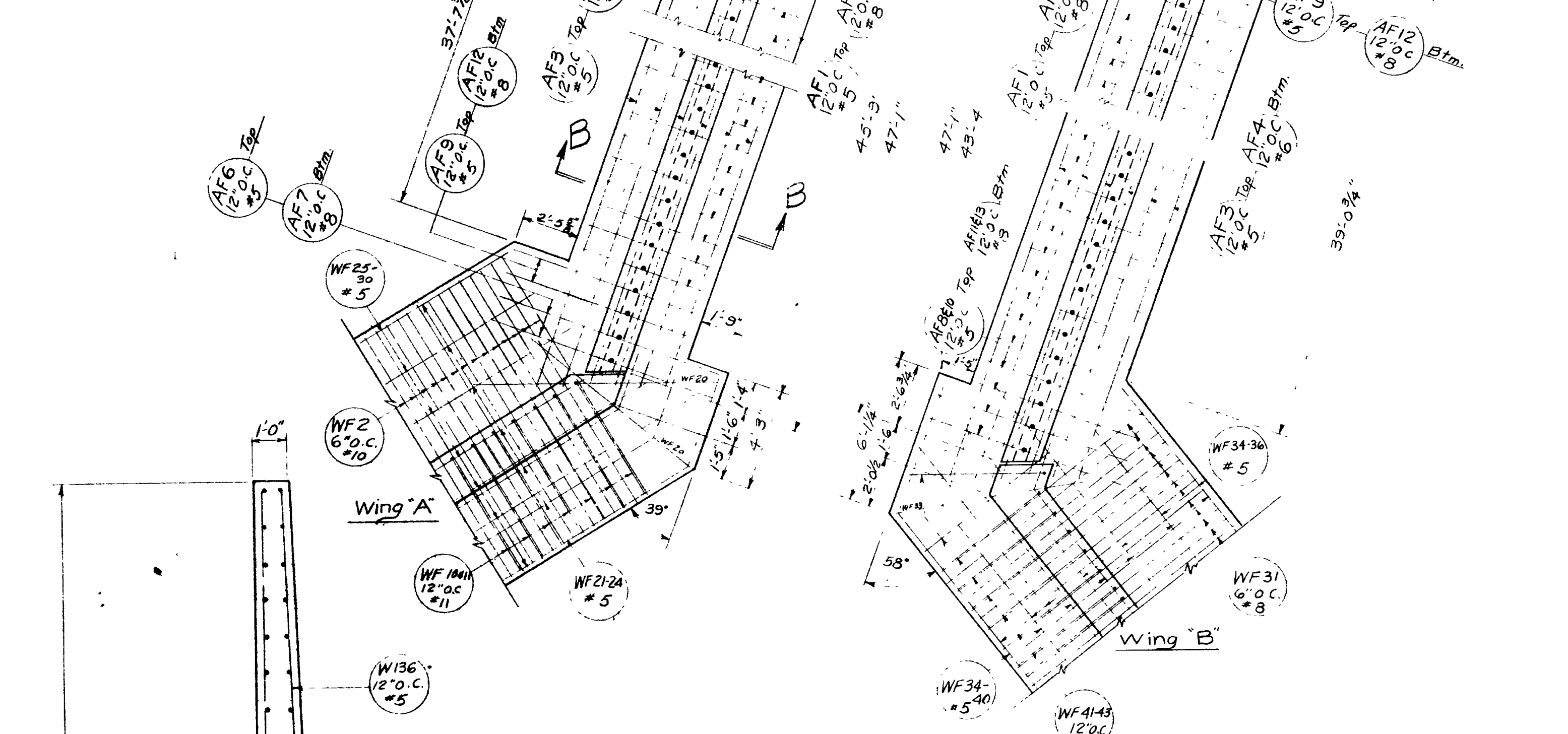
PLAN OF FOOTING - WING "C"



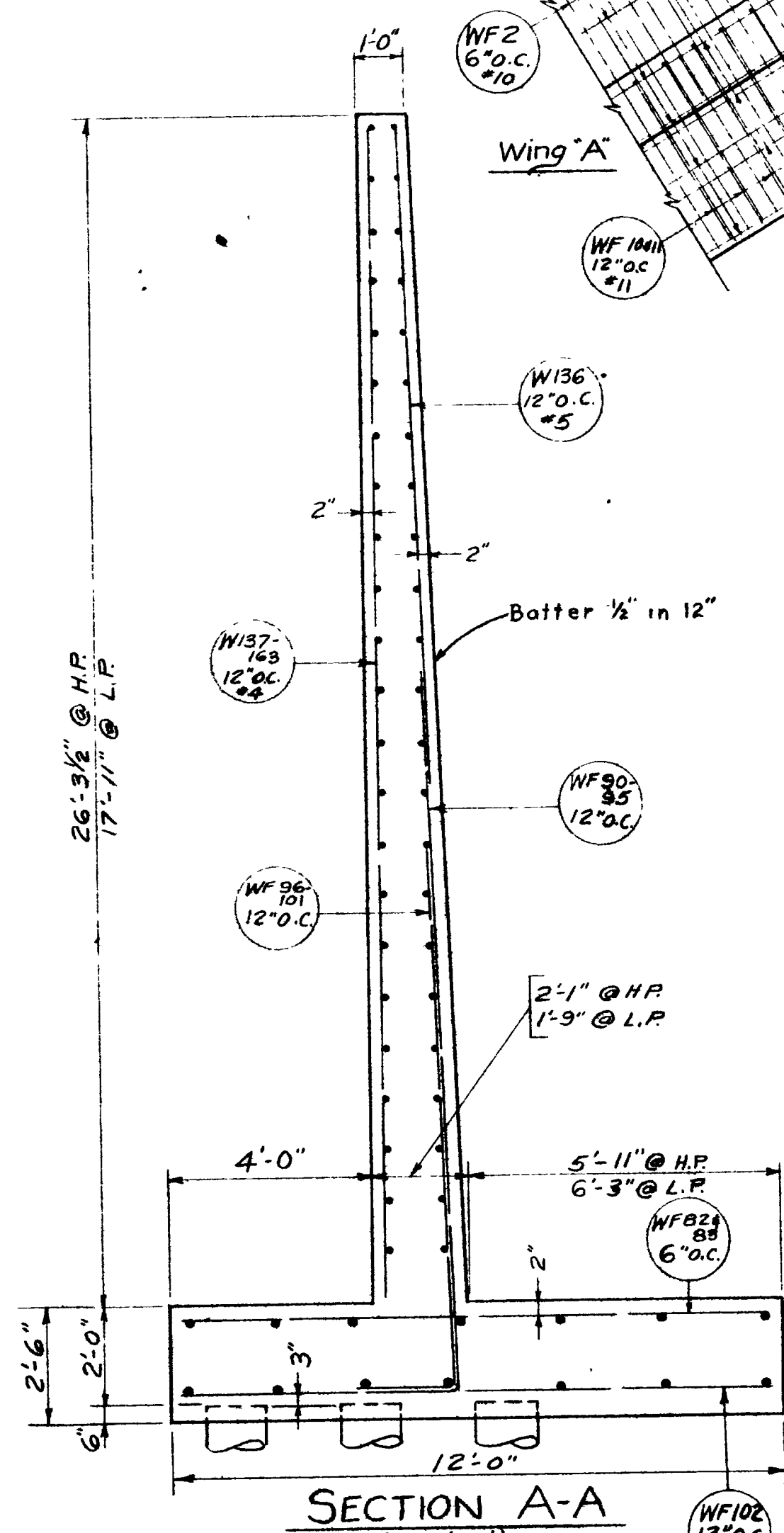
ELEVATION - WING "C"



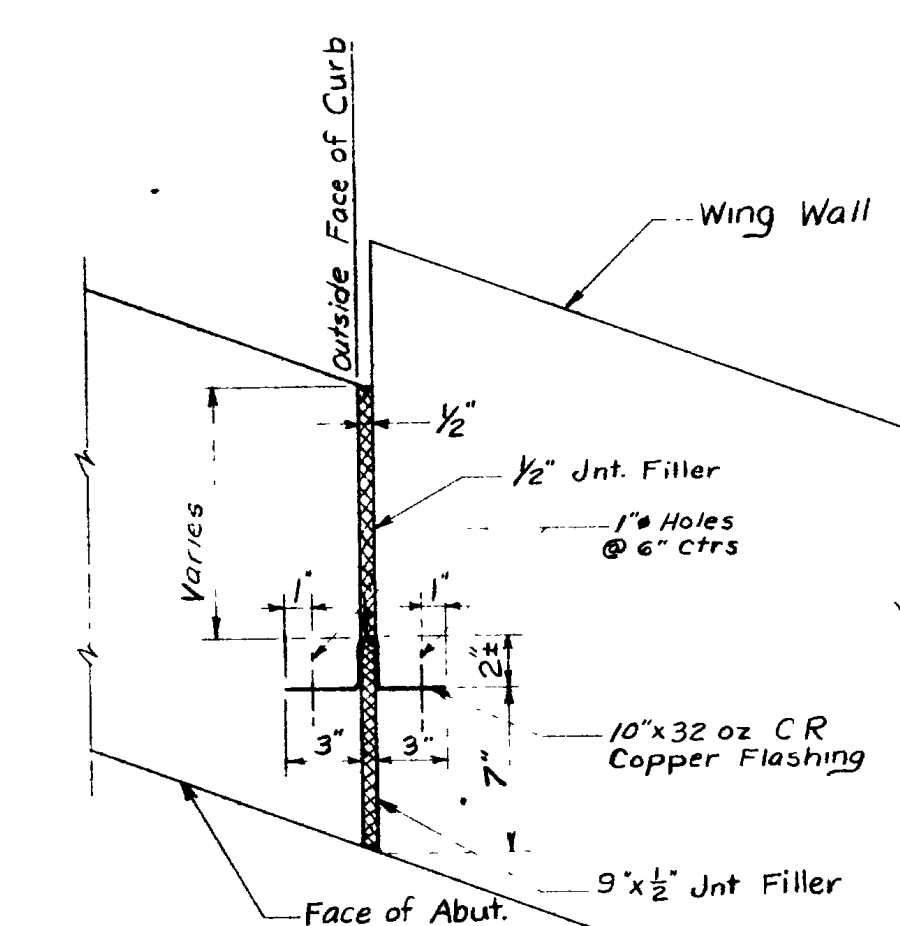
SECTION B-B



PLAN OF ABUTMENT FOOTINGS



SECTION A-A (Typical)



DETAIL OF JOINT - ALL WINGS

NOTE: Payment for furnishing and placing water steps shall be included in contract unit price for Concrete Class "A"

JOINT FILLER MATERIAL

Approach Slab	2-Pcs 9 1/2" x 1/2" x 5'3"
"	2-Pcs 9 1/2" x 1/2" x 3'3"
"	2-Pcs 9 1/2" x 1/2" x 4'0"
Messenger Hinges	4-Pcs 6" x 1/2" x 4'7-4"
Wing Wall A	1-Pc 9" x 1/2" x 26'6"
"	1-Pc 1'3" x 1/2" x 26'6"
Wing Wall B	1-Pc 9" x 1/2" x 24'2"
"	1-Pc 1'3" x 1/2" x 24'2"
Wing Wall C	1-Pc 9" x 1/2" x 26'3 1/2"
"	1-Pc 1'3" x 1/2" x 26'3 1/2"
Wing Wall D	1-Pc 9" x 1/2" x 26'3 1/4"
"	1-Pc 1'3" x 1/2" x 26'3 1/4"

COPPER FLASHING 32 oz.

Wing Wall A	1-Pc 10" x 26'6" Lg
Wing Wall B	1-Pc 10" x 24'2" "
Wing Wall C	1-Pc 10" x 26'3 1/2" "
Wing Wall D	1-Pc 10" x 26'3 1/4" "

NOTE: Joint Filler shall be A.A.S.H.O. Designation M-153-54

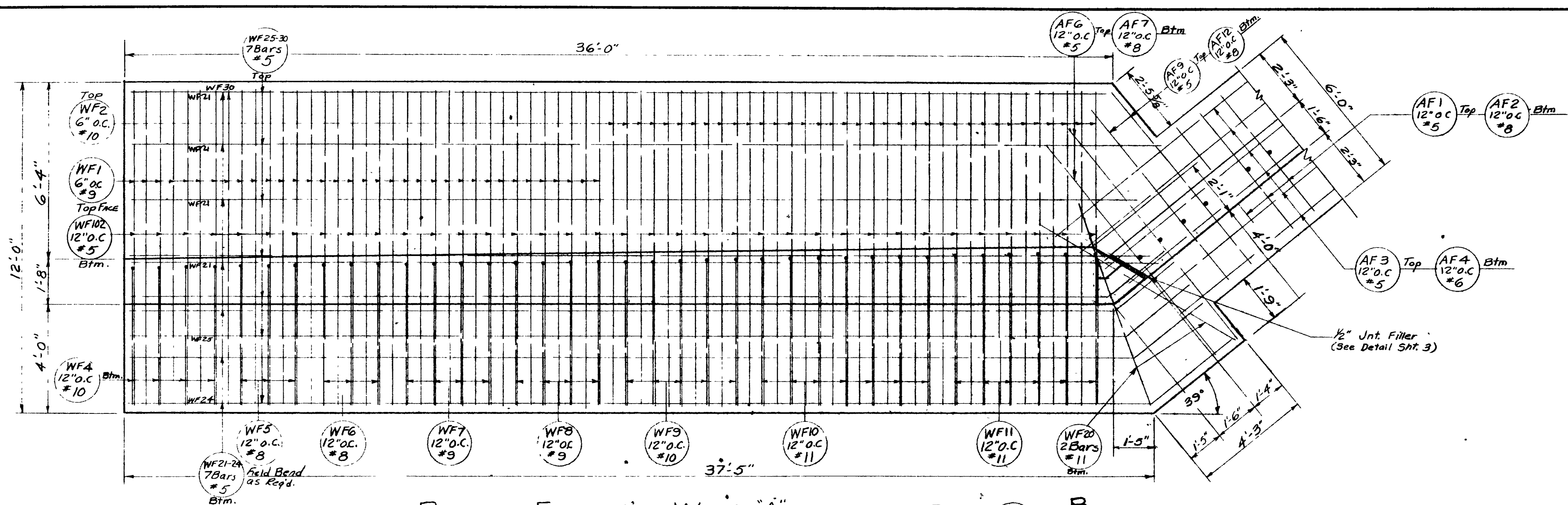
WING WALL "C" & ABUTMENT FOOTINGS
SHEET 4 of 14 SHEETS

UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

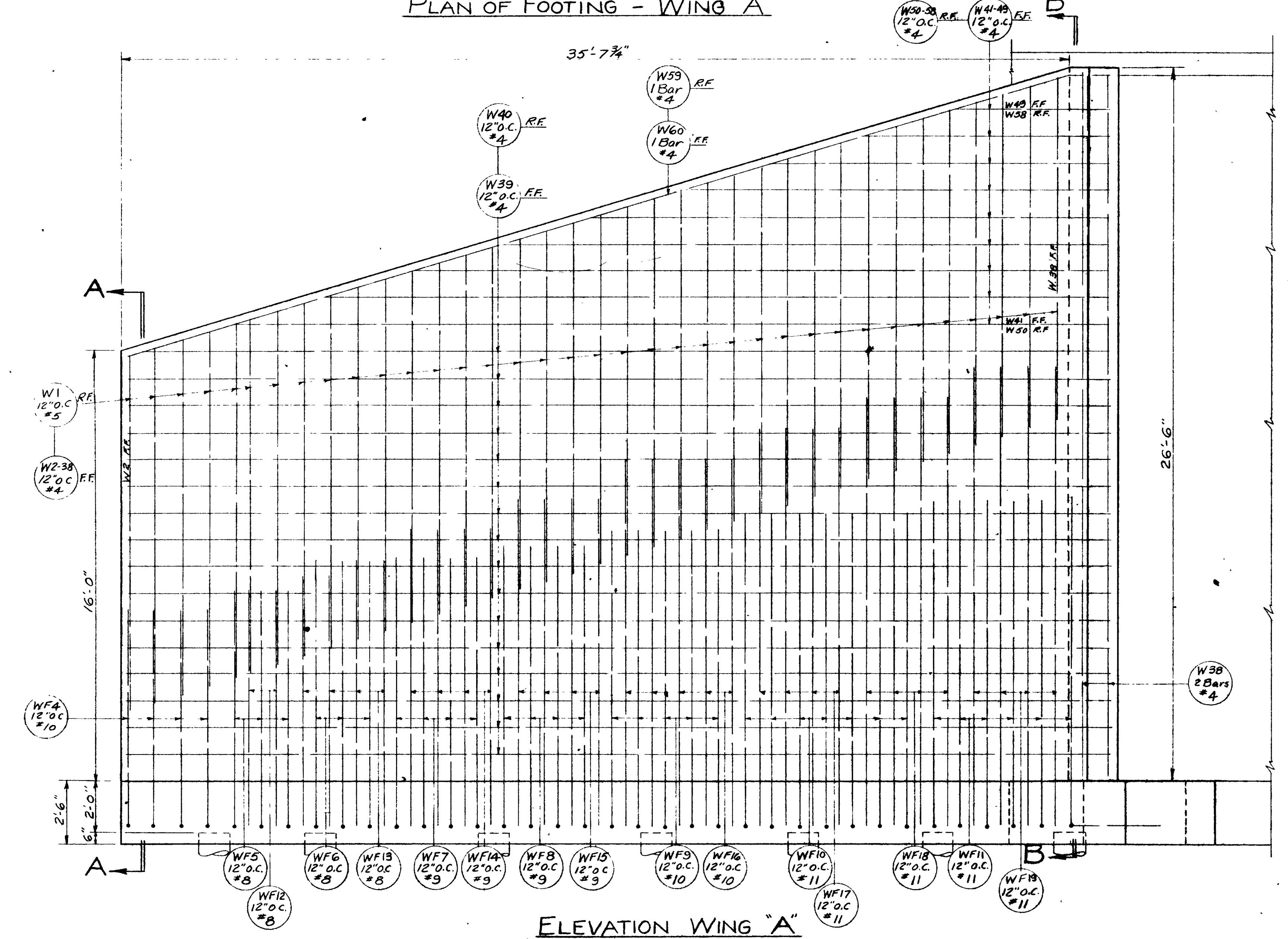
REEVES AVE. O'PASS
E. Bd. 50.45' O. to 0. 110'15'04" XING L
Sta 294+59.53 F-037-1(6) 2nd Contr.
Junct SR 38 - Jct Wall Ave.
Ogden, Weber Co.

DESIGNED BY F.M.E.	SCALE 3/8" = 1'
DRAWN BY R.J.B.	ISSUED
TRACED BY	APPROVED
CHECKED BY J.W.E.	CHIEF BRIDGE ENGINEER

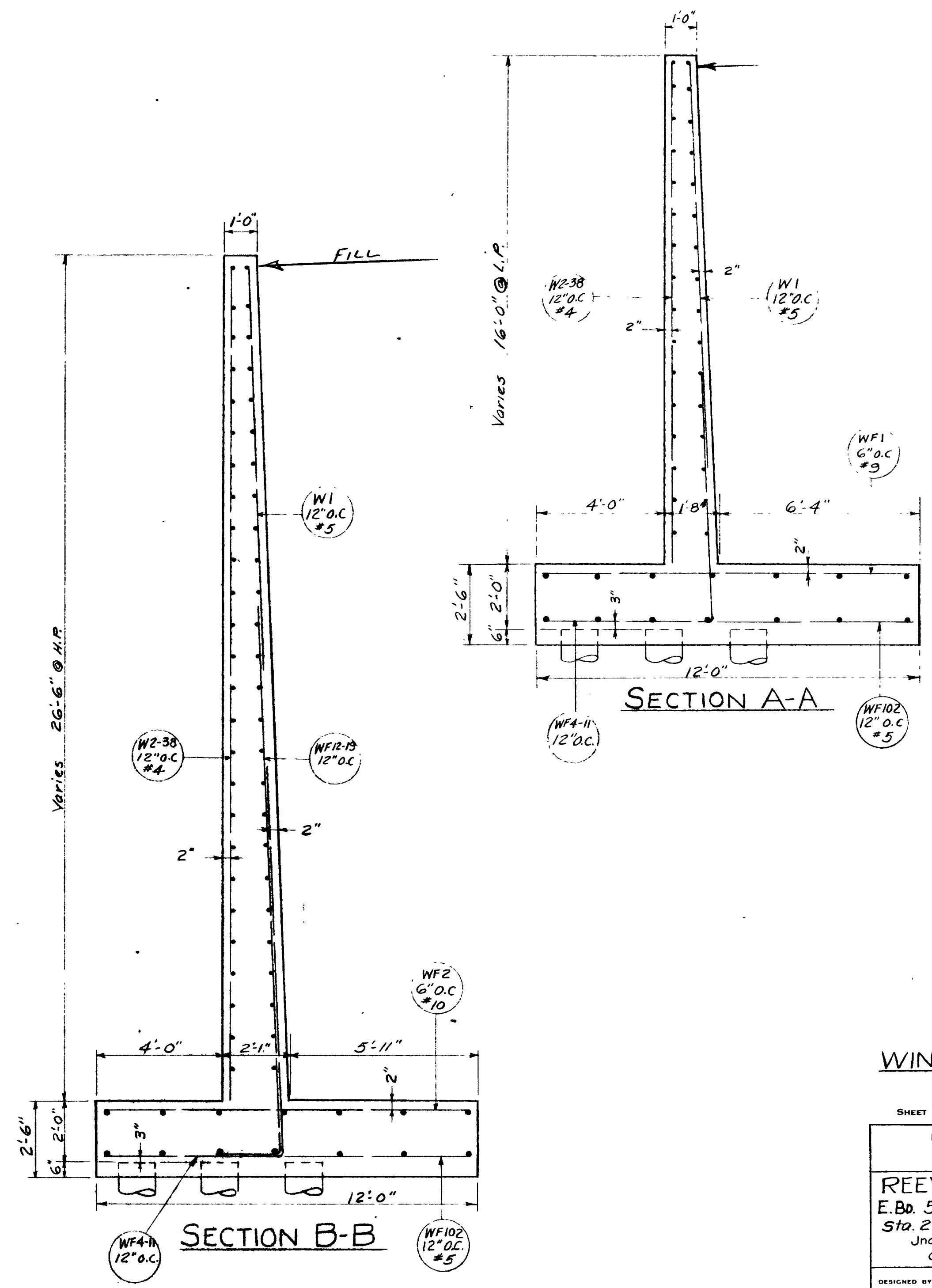
BR No 23-208-1-3 (E.B.) DRG No D-653E



PLAN OF FOOTING - WING "A"



ELEVATION WING "A"



WING WALL "A"

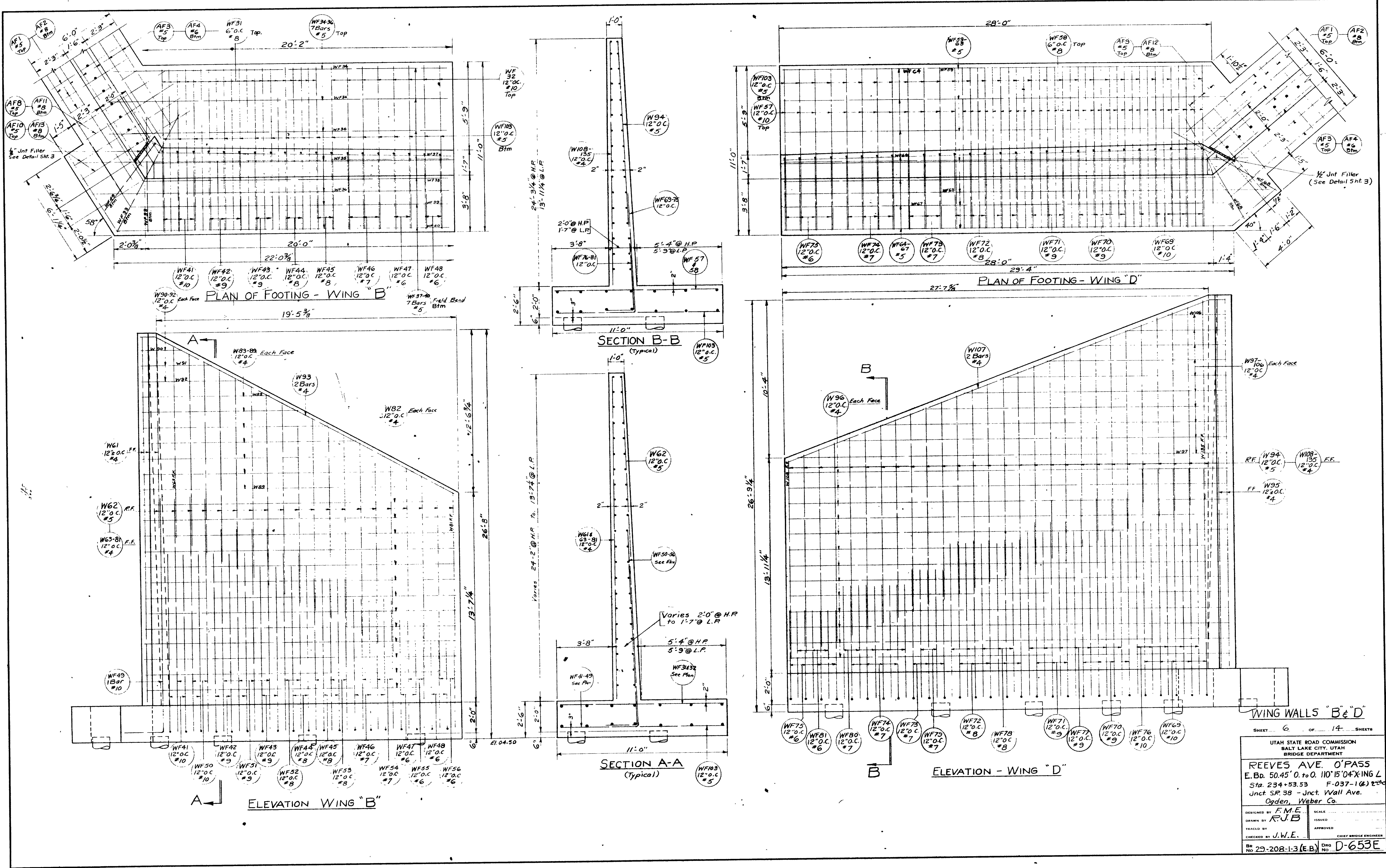
SHEET 5 OF 14 SHEETS

UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

REEVES AVE. O'PASS
E. Bd. 50.45' O. to D. 110' 15.04' X-ING L
Sta. 234+53.53 F-037-1(4) 234+53.53

DESIGNED BY F.M.E. SCALE 3/8"
DRAWN BY R.J.B. ISSUED
CHECKED BY J.W.E. APPROVED
CHIEF BRIDGE ENGINEER

BR No 29-208-1-3(E.B.) DRG No D-653 E



NO.	DATE	BY

SHEET 6 OF 14 SHEETS

UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

REEVES AVE. O'PASS
E. Bd. 50.45' O. to O. 110' 15" 0.4" XING L
Sta. 234+53.53 F-037-1(4) 2" 0.0" +

Junct SR 38 - Jnct. Wall Ave.
Ogden, Weber Co.

DESIGNED BY F.M.E.
DRAWN BY R.J.B.
CHECKED BY J.W.E.

SCALE
ISSUED
APPROVED
CHIEF BRIDGE ENGINEER

BR No 29-208-1-3 (E.B.) Dwg No D-653E

MARK	LOCATION	SIZE	L'GTH	NO BARS	TOTAL LENGTH	SKETCH
W32	WING WALL B	4	6-7	2	13-2	
W93	WING WALL B	7	23-0	2	46-0	
W94	WING WALL D	5	13-0	28	364-0	
W95		9	23-9	2	47-6	
W96			28-8	26	745-9	
W97			28-0	2	56-0	
W98			25-0	1	50-0	
W99			22-6	1	45-0	
W100			19-9	1	39-6	
W101			17-0	1	34-0	
W102			14-6	1	29-0	
W103			11-8	1	23-4	
W104			9-0	1	18-0	
W105			6-6	1	13-0	
W106			4-0	1	8-0	
W107			30-6	2	61-0	
W108			13-6	1	13-6	
W109			14-0	1	14-0	
W110			14-5	1	14-5	
W111			14-9	1	14-9	
W112			15-2	1	15-2	
W113			15-0	1	15-0	
W114			15	1	15-0	
W115			16-3	1	16-3	
W116			16-7	1	16-7	
W117			17-0	1	17-0	
W118			17-5	1	17-5	
W119			17-9	1	17-9	
W120			18-2	1	18-2	
W121			18-6	1	18-6	
W122			18-7	1	18-7	
W123			19-3	1	19-3	
W124			19-7	1	19-7	
W125			20-0	1	20-0	
W126			20-4	1	20-4	
W127			20-9	1	20-9	
W128			21-2	1	21-2	
W129			21-6	1	21-6	
W130			21-10	1	21-10	
W131			22-2	1	22-2	
W132			22-7	1	22-7	
W133			23-0	1	23-0	
W134			23-4	1	23-4	
W135	WING WALL D	7	23-9	1	23-9	
W136	WING WALL C	5	13-0	26	338-0	
W137		4	26-3	3	78-9	
W138			17-6	1	17-6	
W139			17-10	1	17-10	
W140			18-3	1	18-3	
W141			18-7	1	18-7	
W142			18-11	1	18-11	
W143			19-3	1	19-3	
W144			19-6	1	19-6	
W145			19-10	1	19-10	
W146			20-2	1	20-2	
W147			20-6	1	20-6	
W148			20-9	1	20-9	
W149			21-1	1	21-1	
W150			21-5	1	21-5	
W151			21-9	1	21-9	
W152			22-1	1	22-1	
W153			22-5	1	22-5	
W154			22-9	1	22-9	
W155			23-1	1	23-1	
W156			23-5	1	23-5	
W157			23-8	1	23-8	
W158			24-0	1	24-0	
W159			24-4	1	24-4	
W160			24-8	1	24-8	
W161			25-0	1	25-0	
W162			25-4	1	25-4	
W163			25-8	1	25-8	
W164	WING WALL C	4	27-6	34	935-0	

MARK	LOCATION	SIZE	L'GTH	NO BARS	TOTAL LENGTH	SKETCH
W165	WING WALL C	4	26-4	2	52-8	
W166			23-3	1	46-6	
W167			20-2	1	40-4	
W168			17-2	1	34-4	
W169			16-0	1	32-0	
W170			10-10	1	21-8	
W171			7-9	1	15-6	
W172			4-6	1	9-0	
W173	WING WALL C	4	28-0	2	56-0	

Lin Ft of #4 bars	Weight (Lbs/Ft)	Total Weight (Lbs)
3394-10'	5	6261 4262
19,043-9'	6	3725 19863
722-0"	6	1,264
220-1	7	443 450
3397-1'	8	6405 6400
6,106'-8"	9	29,763
8,134'-5"	10	35,002
629-11	11	3,347
Total =		93,171

NOTE: All dimensions relating to re forcing are to Outside of bars.

UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

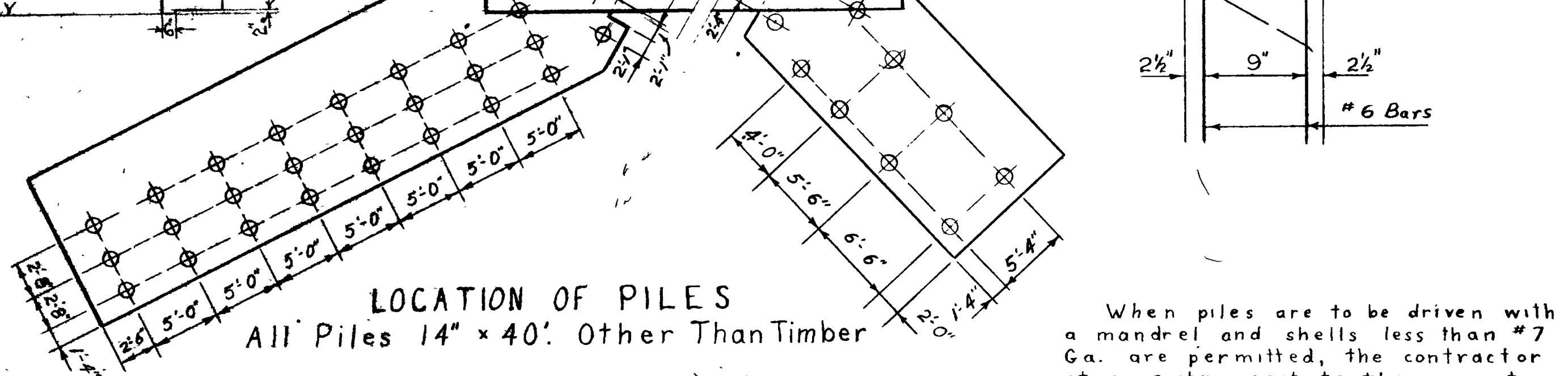
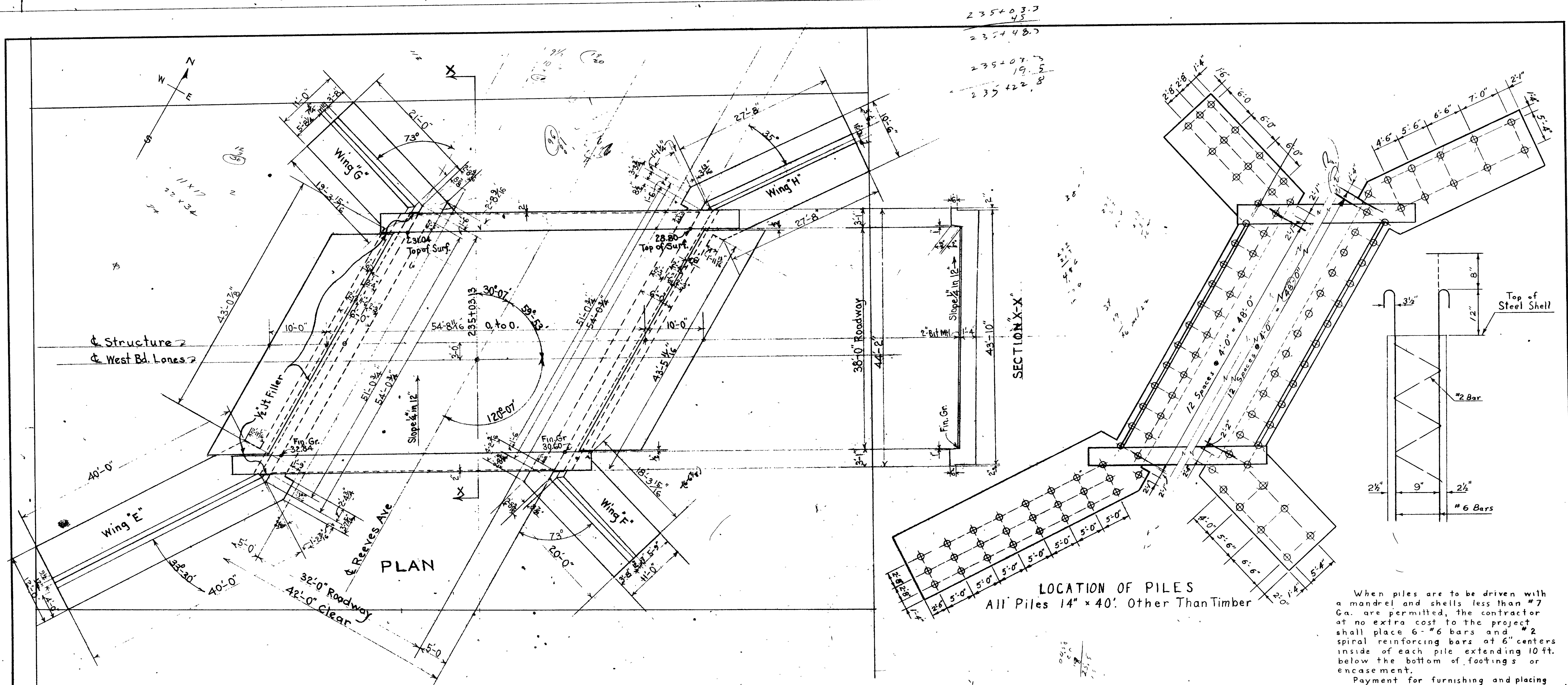
REEVES AVE. O'PASS
E B'd 50.45 0+0 110'15.04 XING L
Sta 234+53.53 F 637 114 2'20" COV
W 1 SR 38 Jct. Wall Av
Cgdr. & Worker Jc

DATE: JWE
BY: FB

DATE: JWE

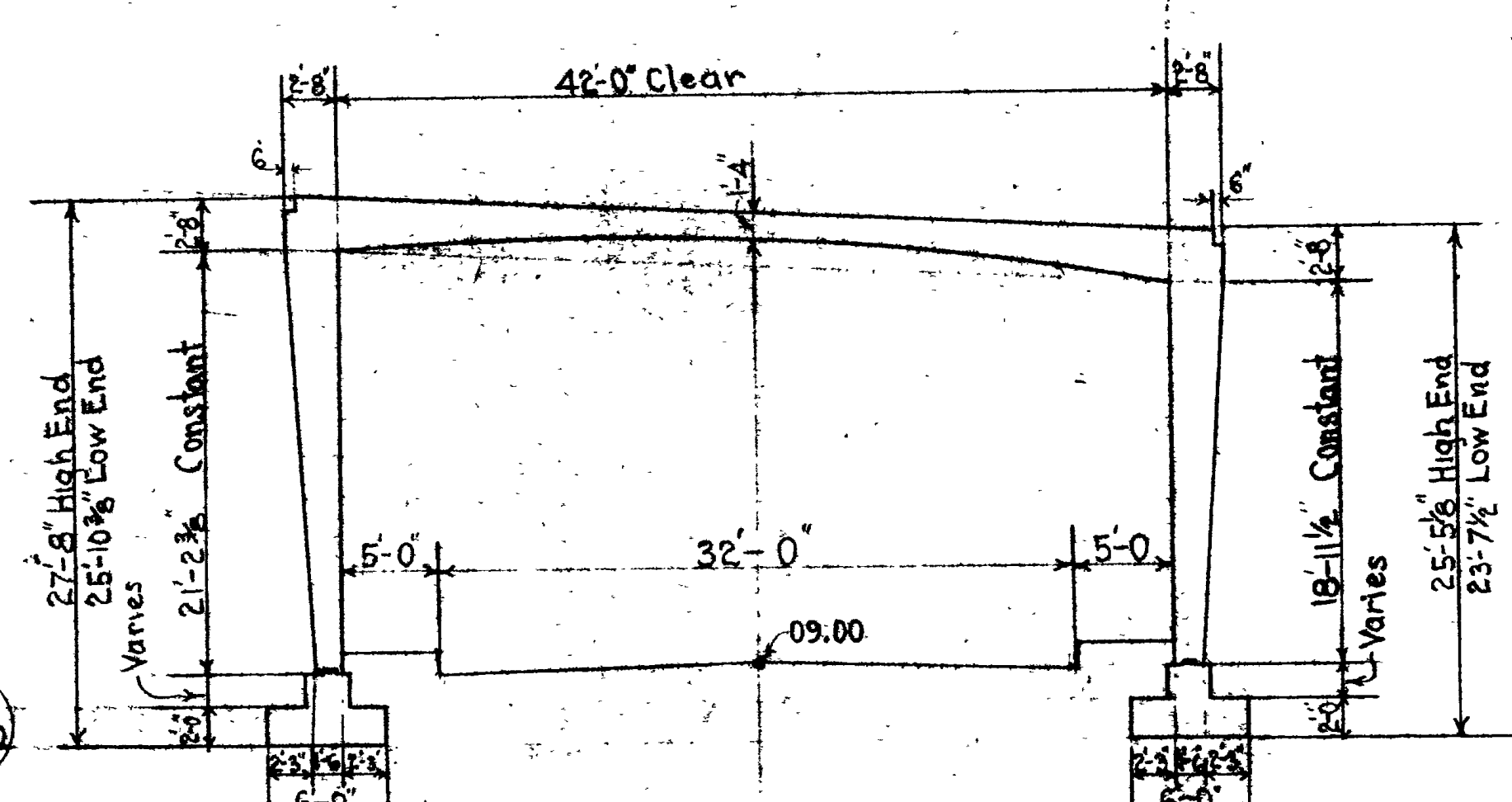
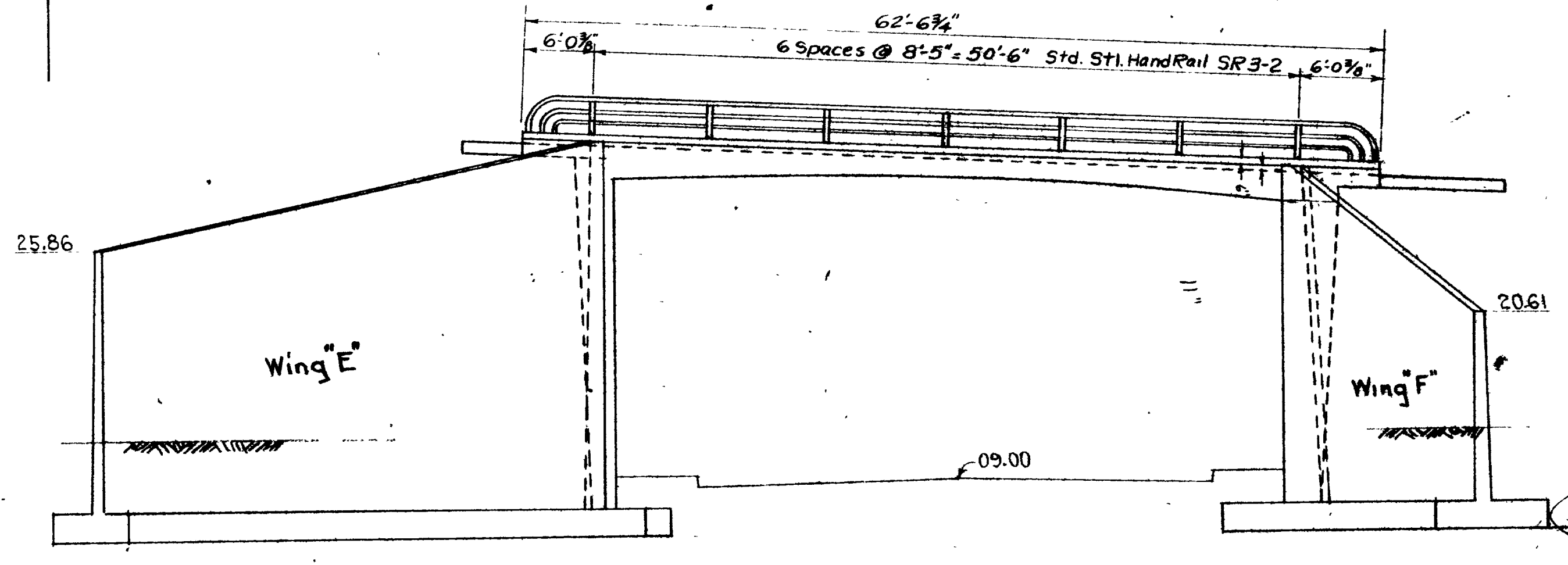
NO. 20-28-1-B (E) 653E

REVISIONS	
NO.	DATE



When piles are to be driven with a mandrel and shells less than #7 Ga. are permitted, the contractor at no extra cost to the project shall place 6" #6 bars and #2 spiral reinforcing bars at 6" centers inside of each pile extending 10 ft. below the bottom of footings or encasement.

Payment for furnishing and placing Class "A" Concrete in piles shall be included in contract unit price for "Piles (other than timber)."



CONCRETE QUANTITIES

LOCATION	Cu. Yards
WEST FOOTING	99.37
EAST FOOTING	80.01
WING E	49.74
F	21.24
G	23.03
H	25.22
WEST ABUTMENT	83.59
EAST ABUTMENT	74.76
DECK	166.65
NORTH & SOUTH CURB	17.48
EAST & WEST APPROACH SL	23.35
TOTAL WEST BD STR	665.07 Cu. Yards

WEST BOUND STRUCTURE

SHEET 9 OF 14 SHEETS

UTAH STATE ROAD COMMISSION
BALD LAKE CITY, UTAH
BRIDGE DEPARTMENT

REEVES AVE. OVERPASS
West Bd. 54.72 0 to 0. 120° 07' X-WING
Sta. 235+03.13 F-037-1(4) 2nd cont.
Jct. S.R. 38-Jct. Wall Ave. Ogden
WEBER CO.

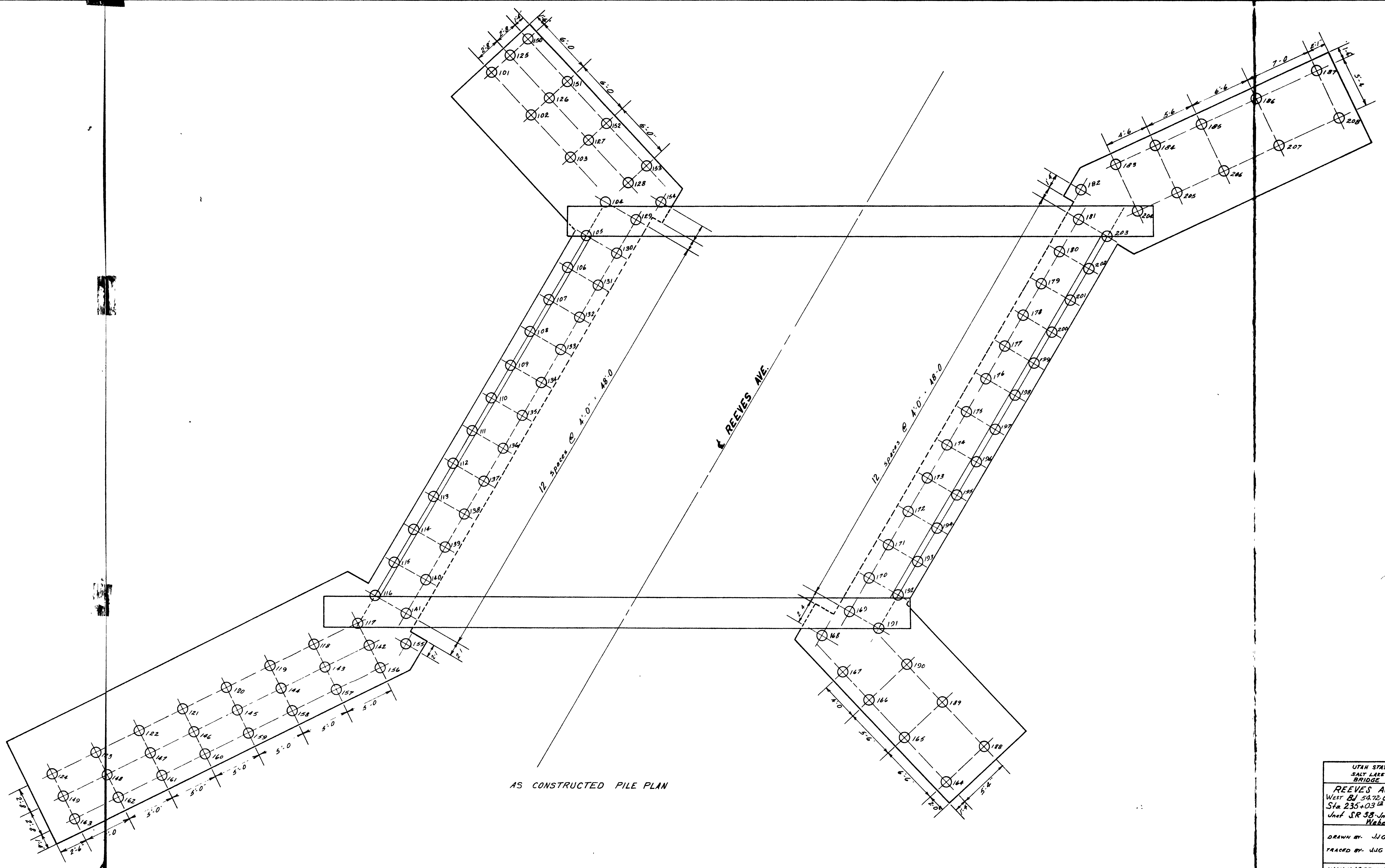
DESIGNED BY **F.M.E. F.M.E.** SCALE 1" = 8'

DRAWN BY **F.M.E. F.M.E.** ISSUED

TRACKED BY **L.W.E.** APPROVED

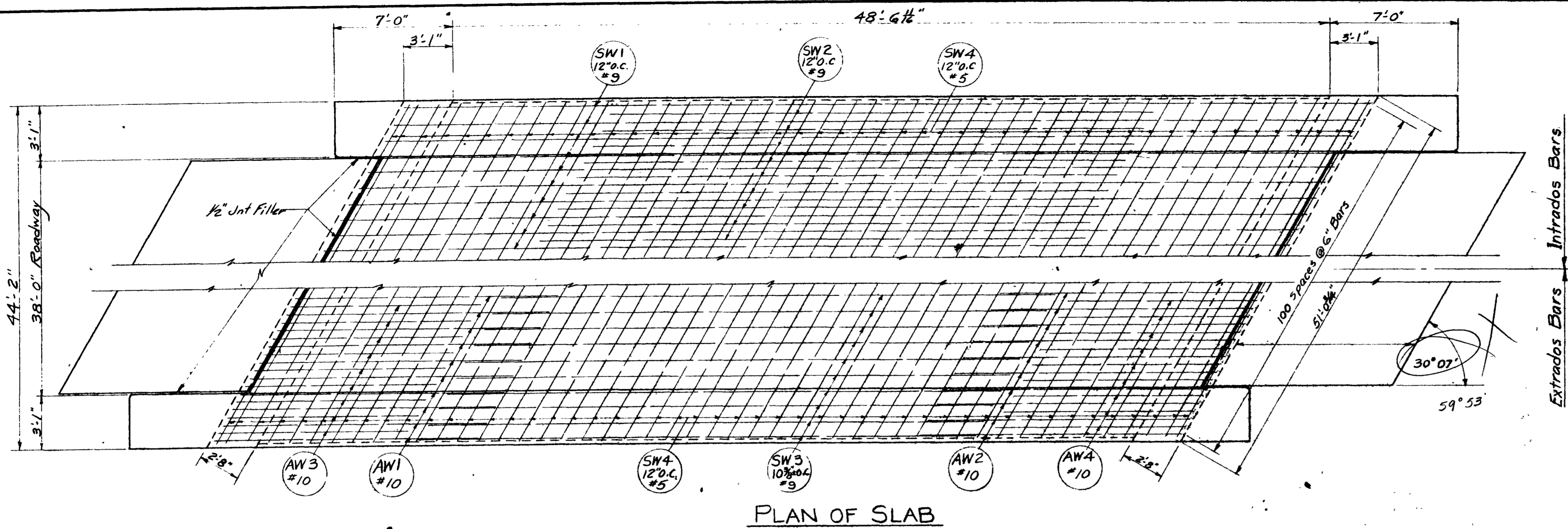
CHECKED BY **L.W.E.** CHIEF BRIDGE ENGINEER

BR. 29-208-1-4 (w.B) DRG. NO. D-653.W

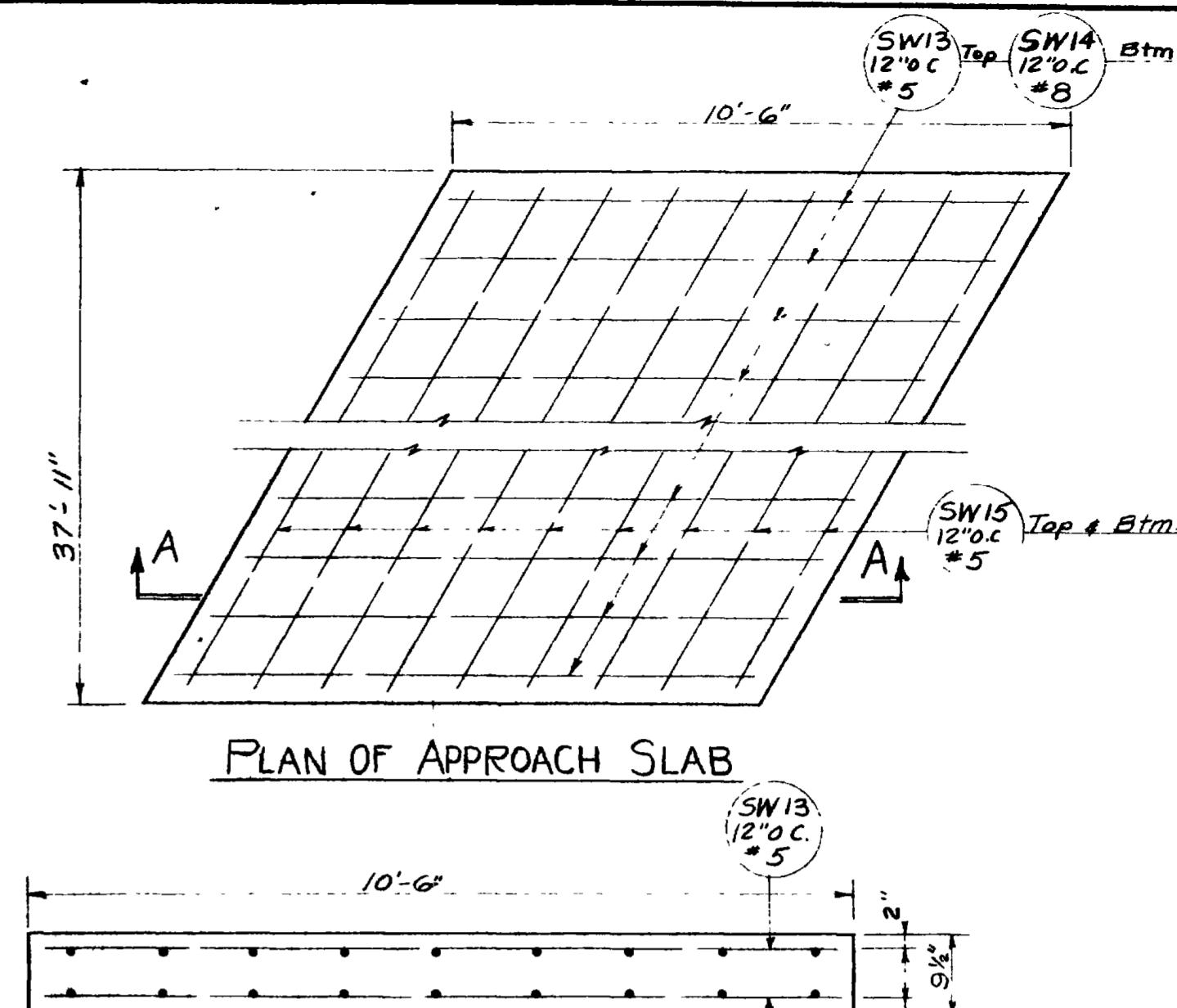


AS CONSTRUCTED PILE PLAN

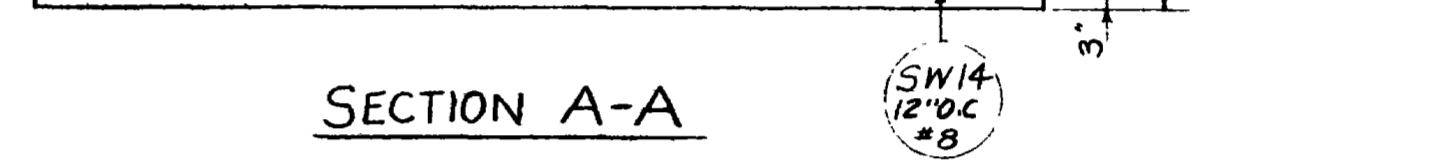
UTAH STATE ROAD COMM SALT LAKE CITY, UTAH BRIDGE DEPARTMENT	
REEVES AVE OVERPASS WEST B1 54.72.04.0-120.07 Sta 235+03.12 F-037-1(4) Und SR 38 Und Wall Ave Ogden Webber Co.	
DRAWN BY: JUG	PILE Plan
TRACED BY: JUG	
W.W. HANSEN - RES ENGR	



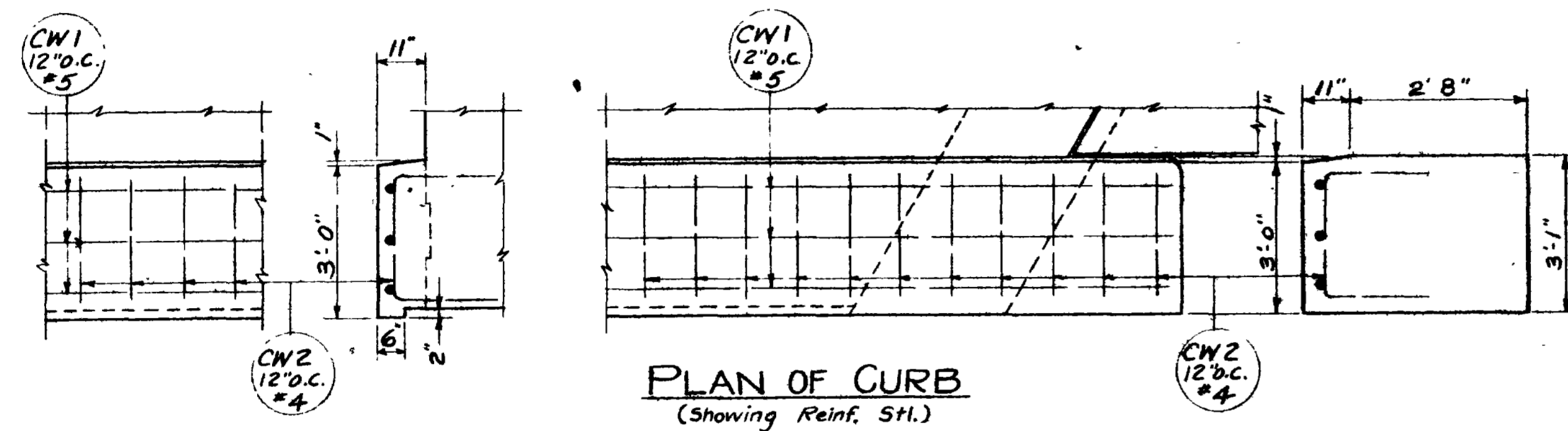
PLAN OF SLAB



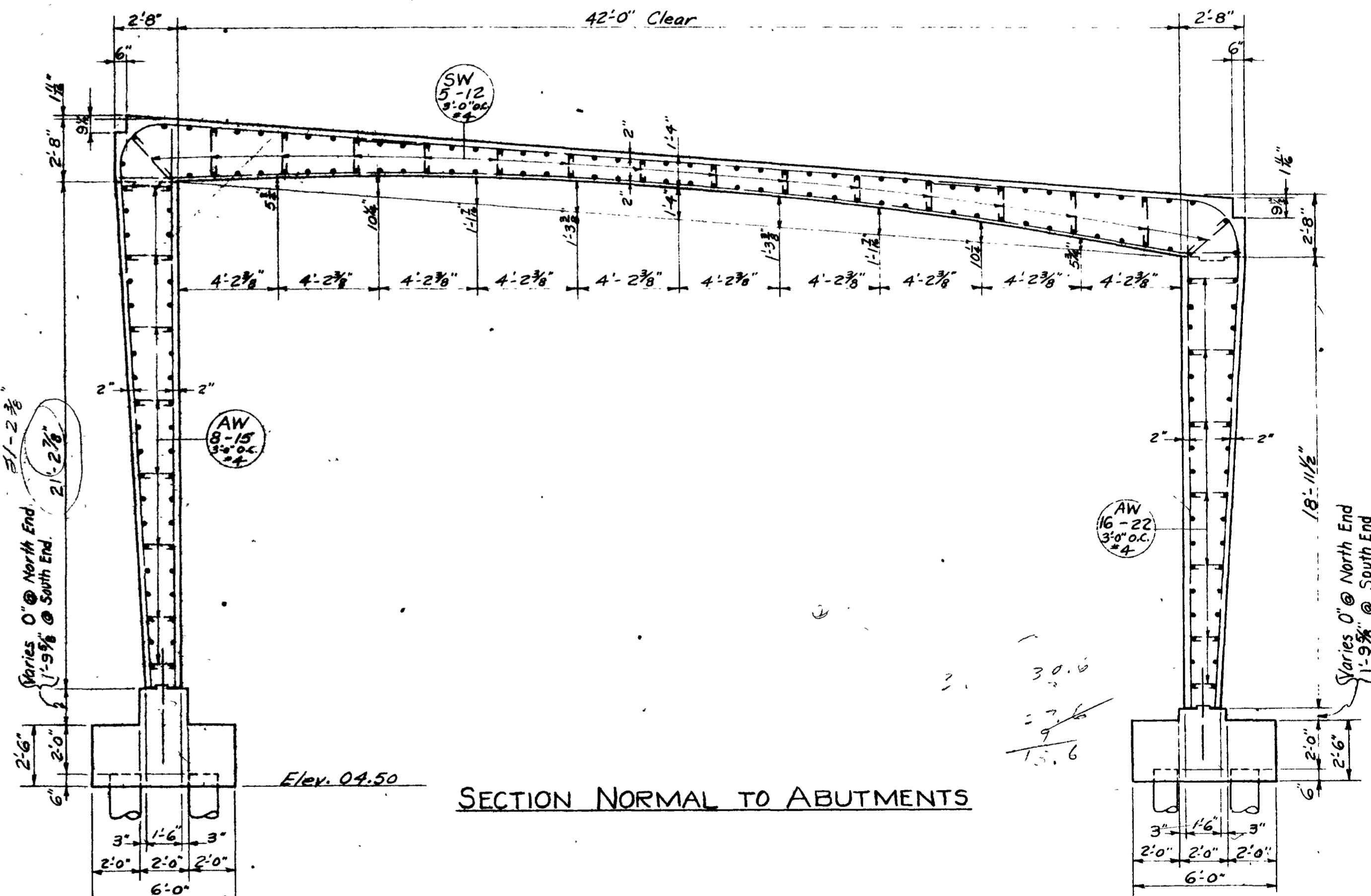
PLAN OF APPROACH SLAB



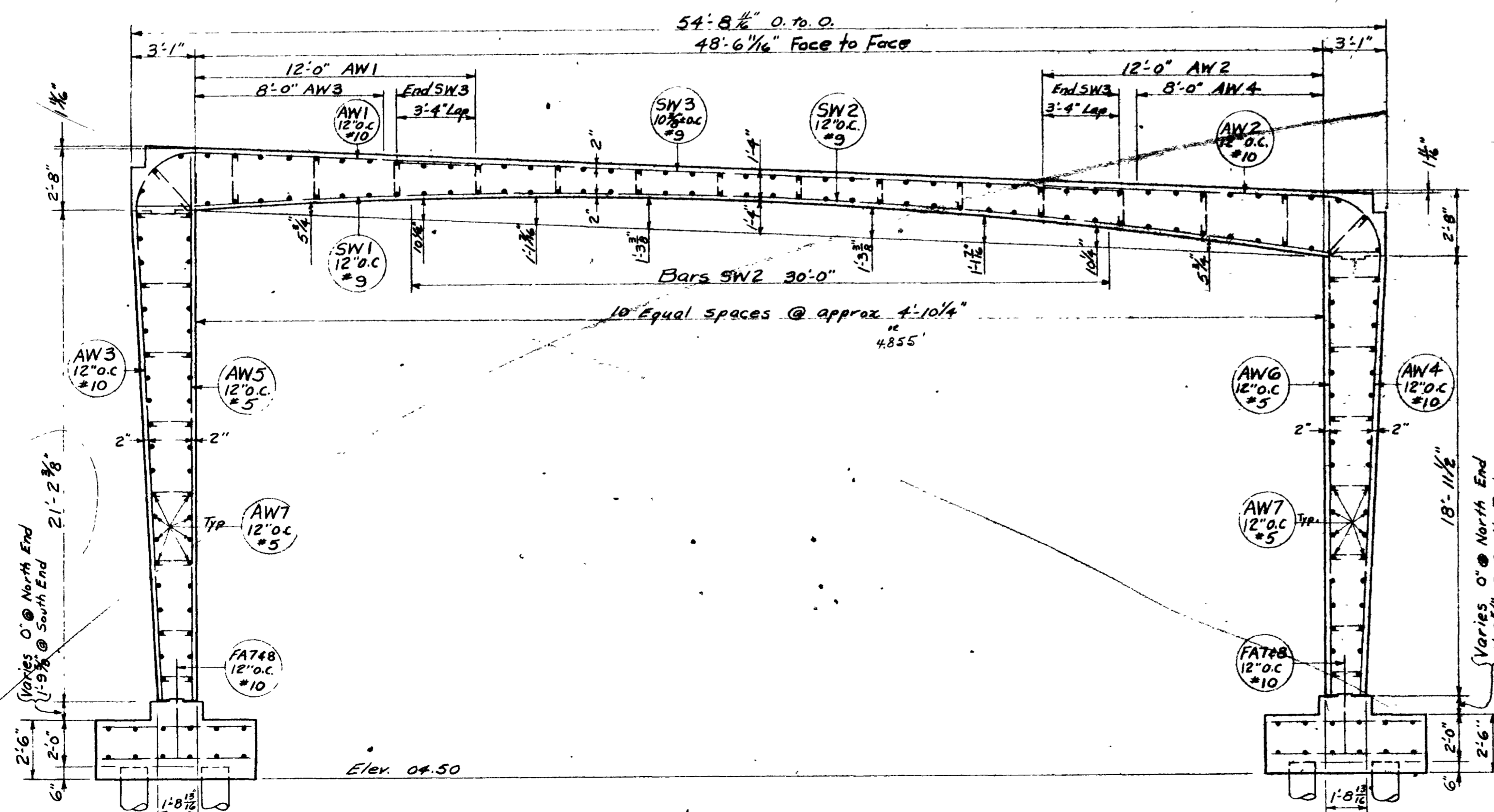
SECTION A-A



PLAN OF CURB
(Showing Reinf. Stl.)



SECTION NORMAL TO ABUTMENTS



SECTION ON ROAD

NO.	DATE	BY	REVISIONS
1	3-17-11	R.J.B.	REVISED
2	3-28-11	R.J.B.	REVISED

FRAME DETAILS

SHEET 10 OF 14 SHEETS

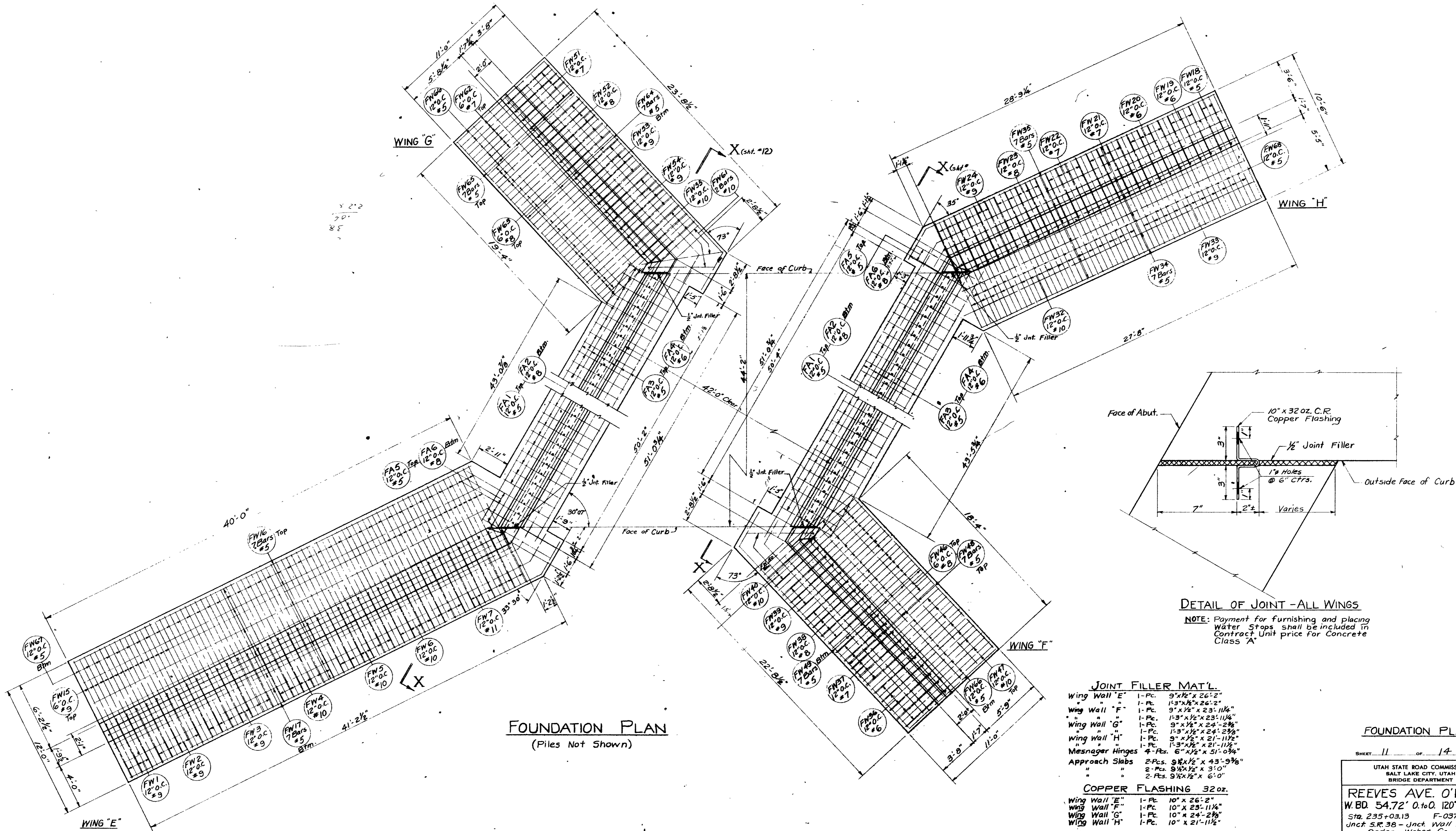
UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

REEVES AVE. O'PASS
W. BD. 54.72 O. TO O. 120'07\"/>

DESIGNED BY F.M.E. SCALE
DRAWN BY R.J.B. ISSUED
TRACED BY APPROVED
CHECKED BY W.N.E. CHIEF BRIDGE ENGINEER

BR. No. 29-208-1-4(DWG) DRG. No. D-653W

REVISIONS	BY	DATE
1	W.A.E.	3-13-54
2	J.E.	3-23-54



FOUNDATION PLAN
(Piles Not Shown)

DETAIL OF JOINT - ALL WINGS

NOTE: Payment for furnishing and placing Water Stops shall be included in Contract Unit price for Concrete Class "A"

JOINT FILLER MAT'L.	
Wing Wall "E"	1-Pc. 9'x1/2"x26'-2"
Wing Wall "F"	1-Pc. 11'3"x1/2"x26'-2"
Wing Wall "G"	1-Pc. 9'x1/2"x23'-11 1/4"
Wing Wall "H"	1-Pc. 11'3"x1/2"x24'-2 3/8"
Messenger Hinges	4-Pcs. 6" x 1/2" x 51'-0 3/4"
Approach Slabs	2-Pcs. 9'x1/2" x 43'-9 3/8"
	2-Pcs. 9'x1/2" x 3'-0"
	2-Pcs. 9'x1/2" x 6'-0"

COPPER FLASHING 32oz.	
Wing Wall "E"	1-Pc. 10" x 26'-2"
Wing Wall "F"	1-Pc. 10" x 23'-11 1/4"
Wing Wall "G"	1-Pc. 10" x 24'-2 3/8"
Wing Wall "H"	1-Pc. 10" x 21'-11 1/2"

NOTE:
Joint Filler shall be A.A.S.H.O Designation M-153-54

FOUNDATION PLAN

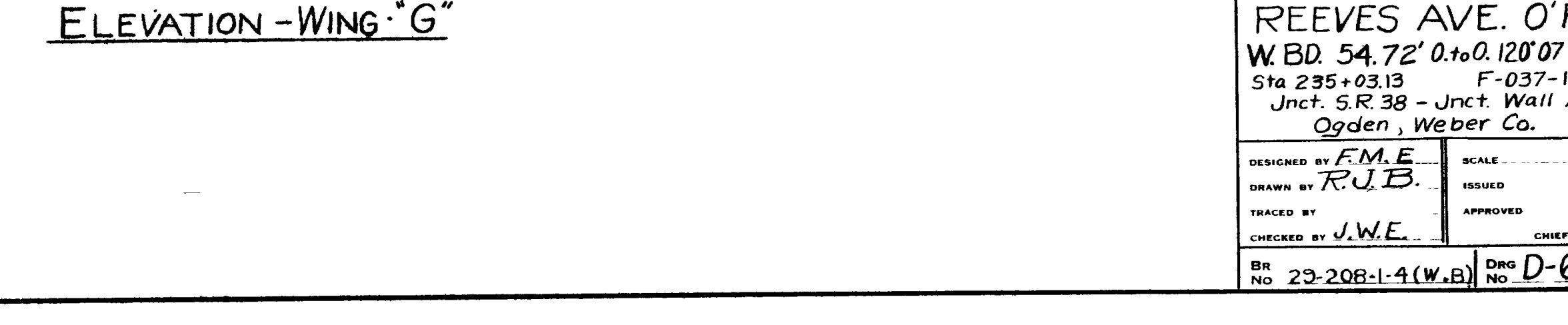
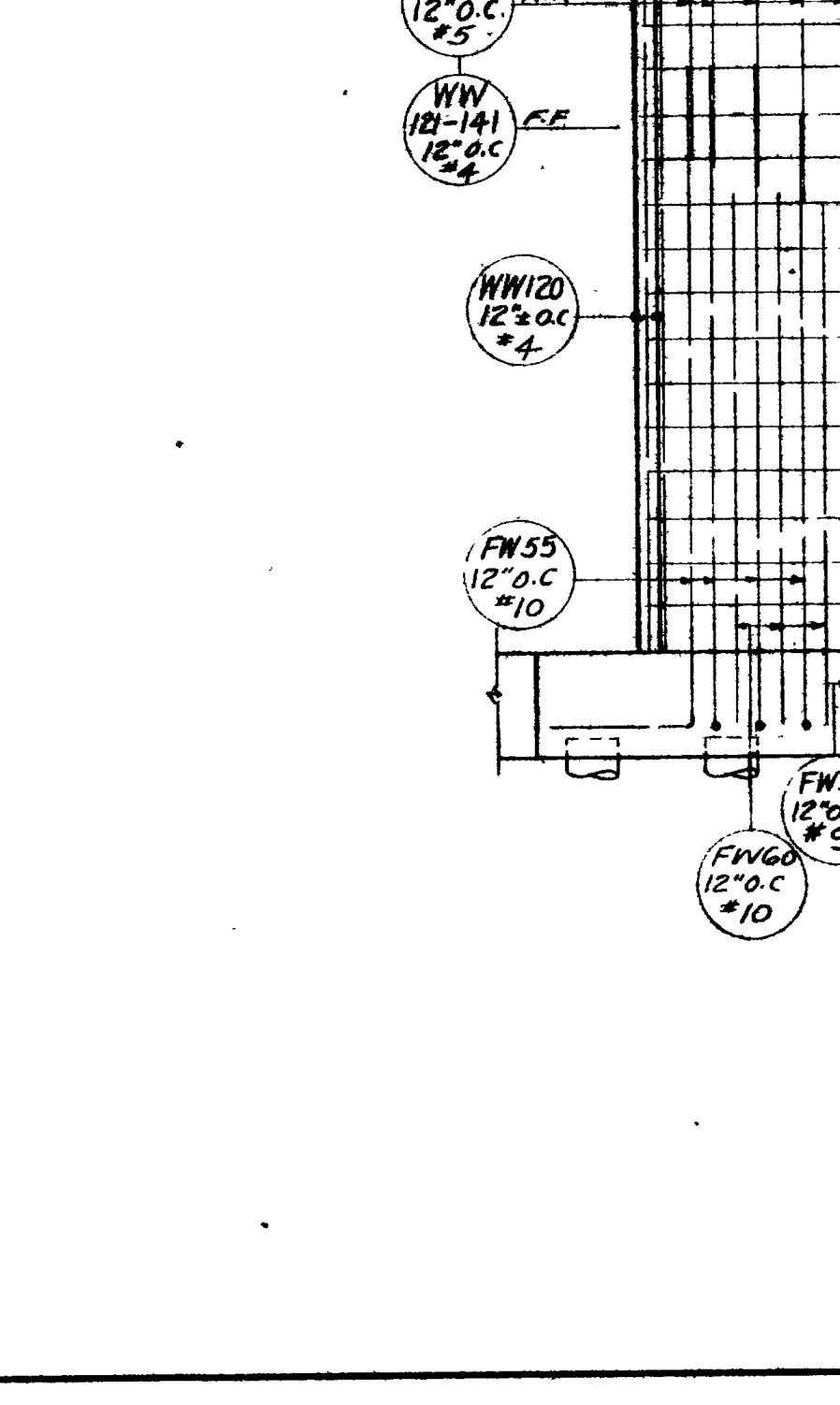
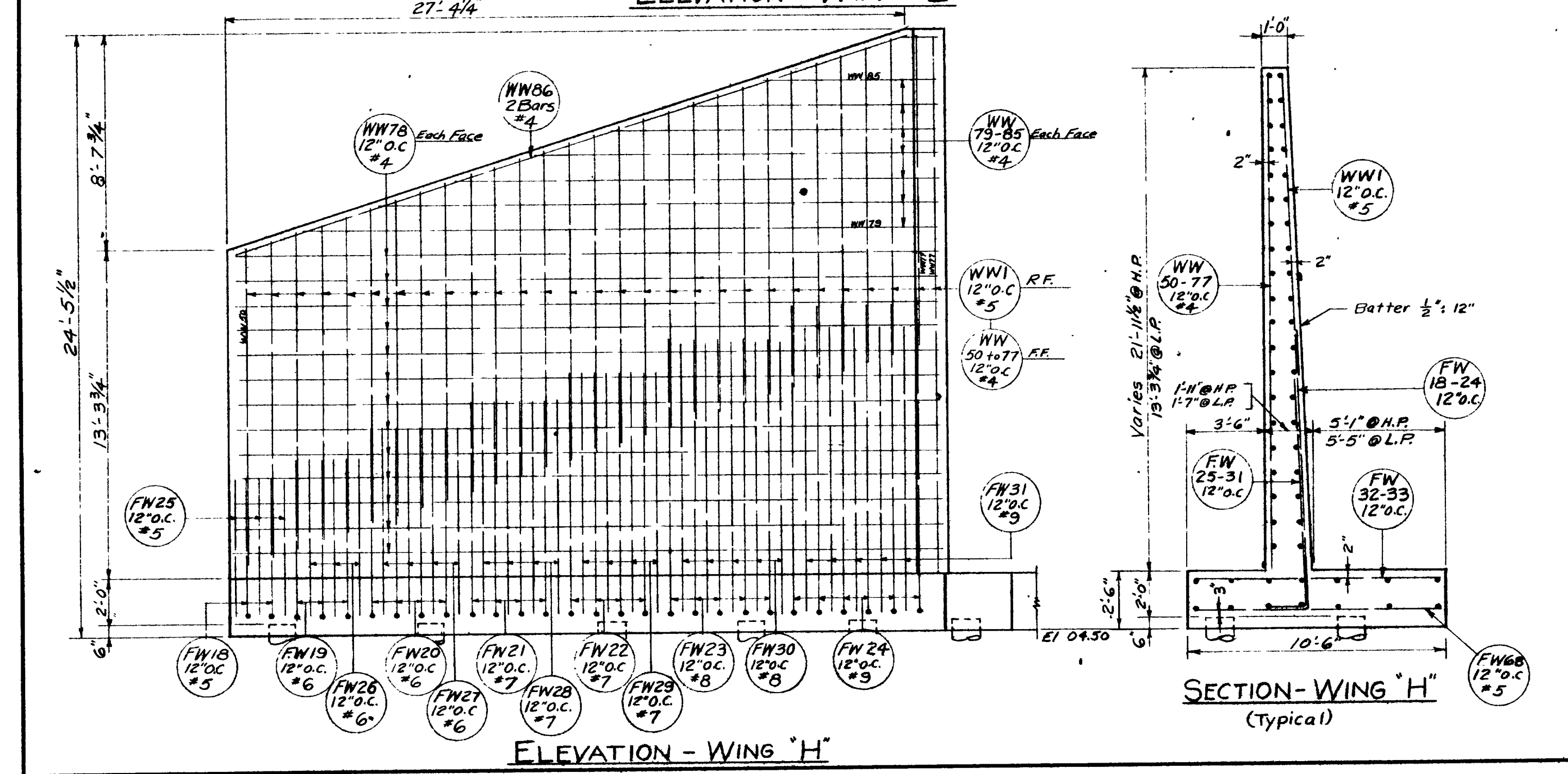
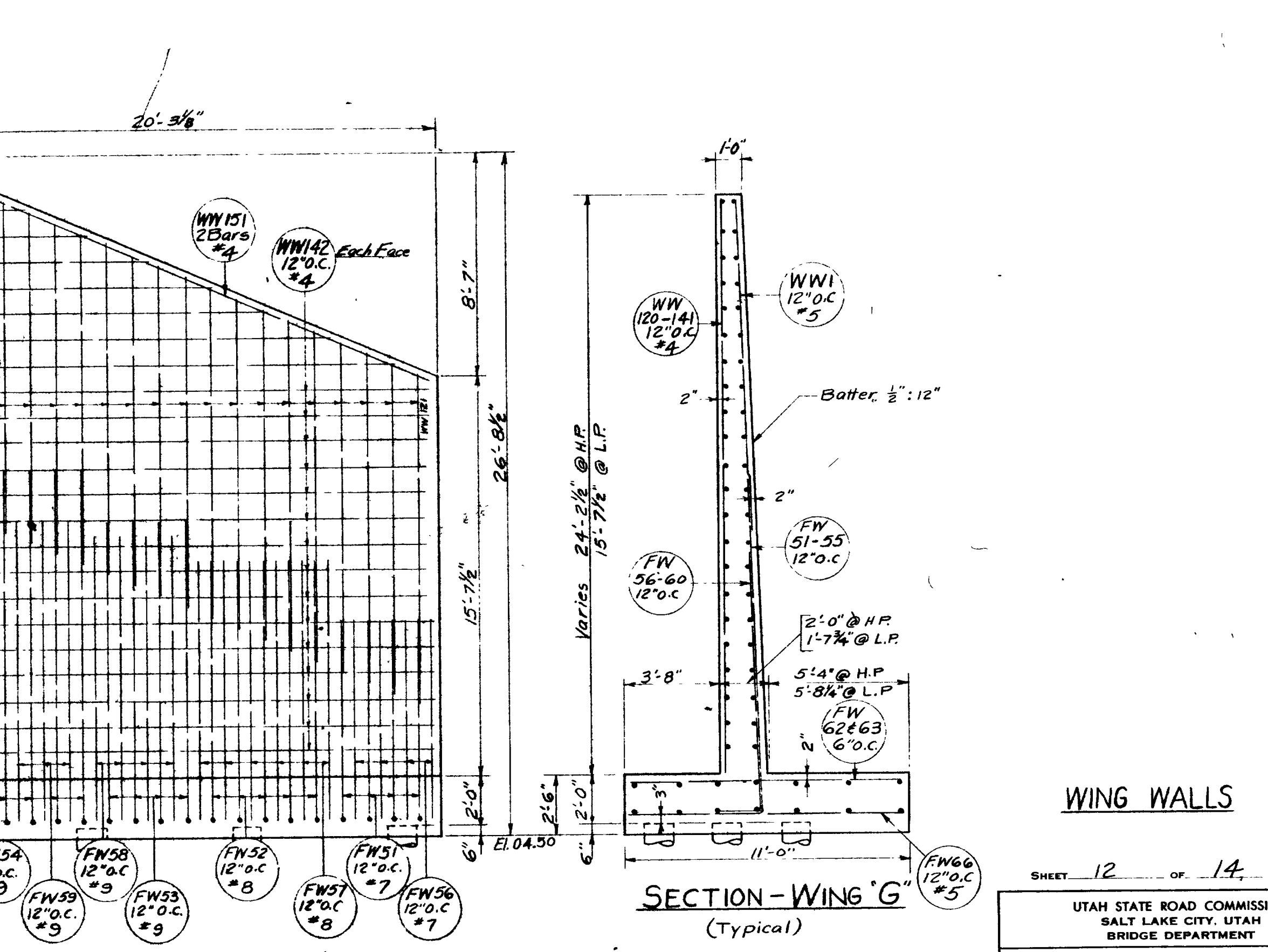
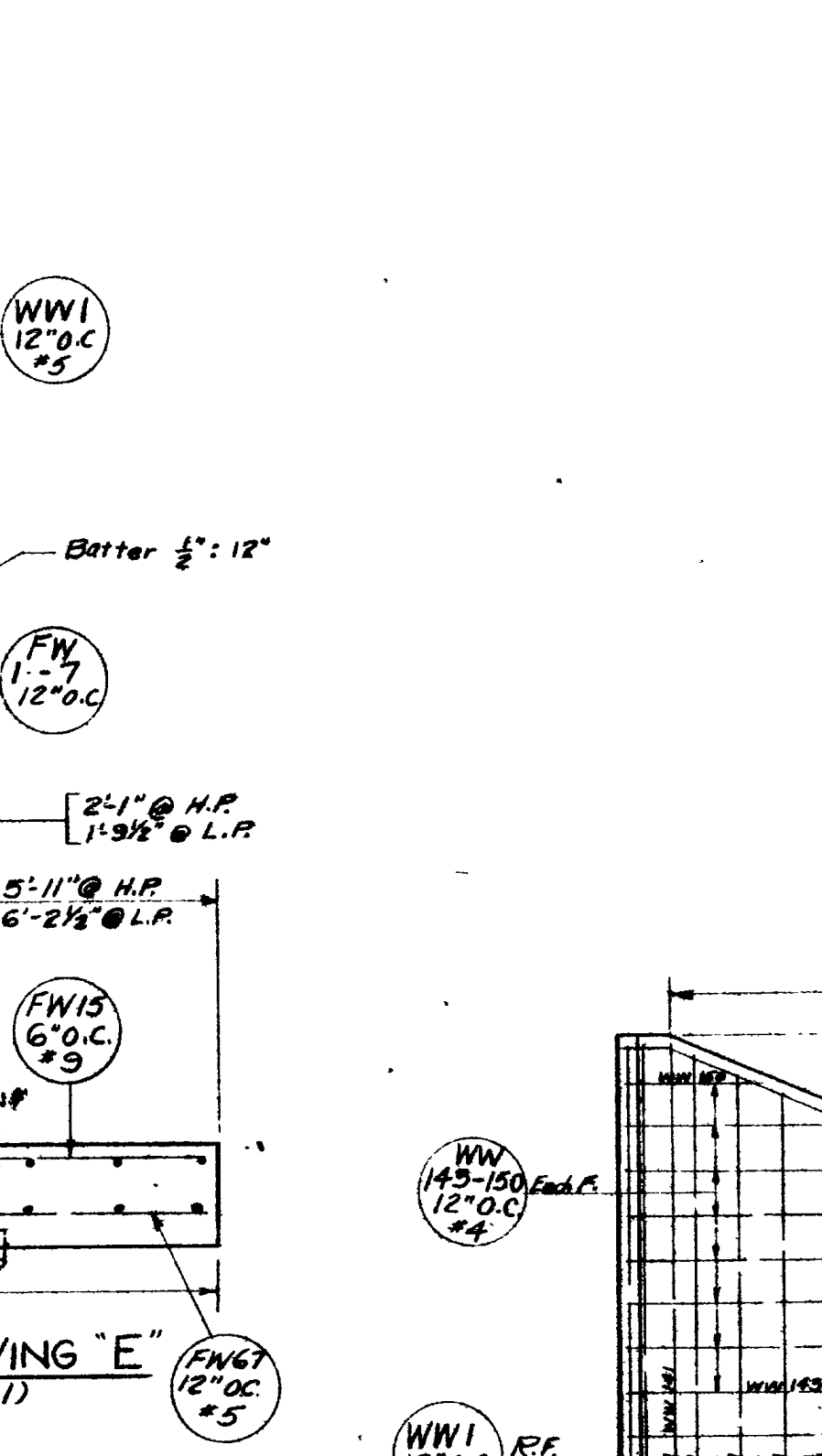
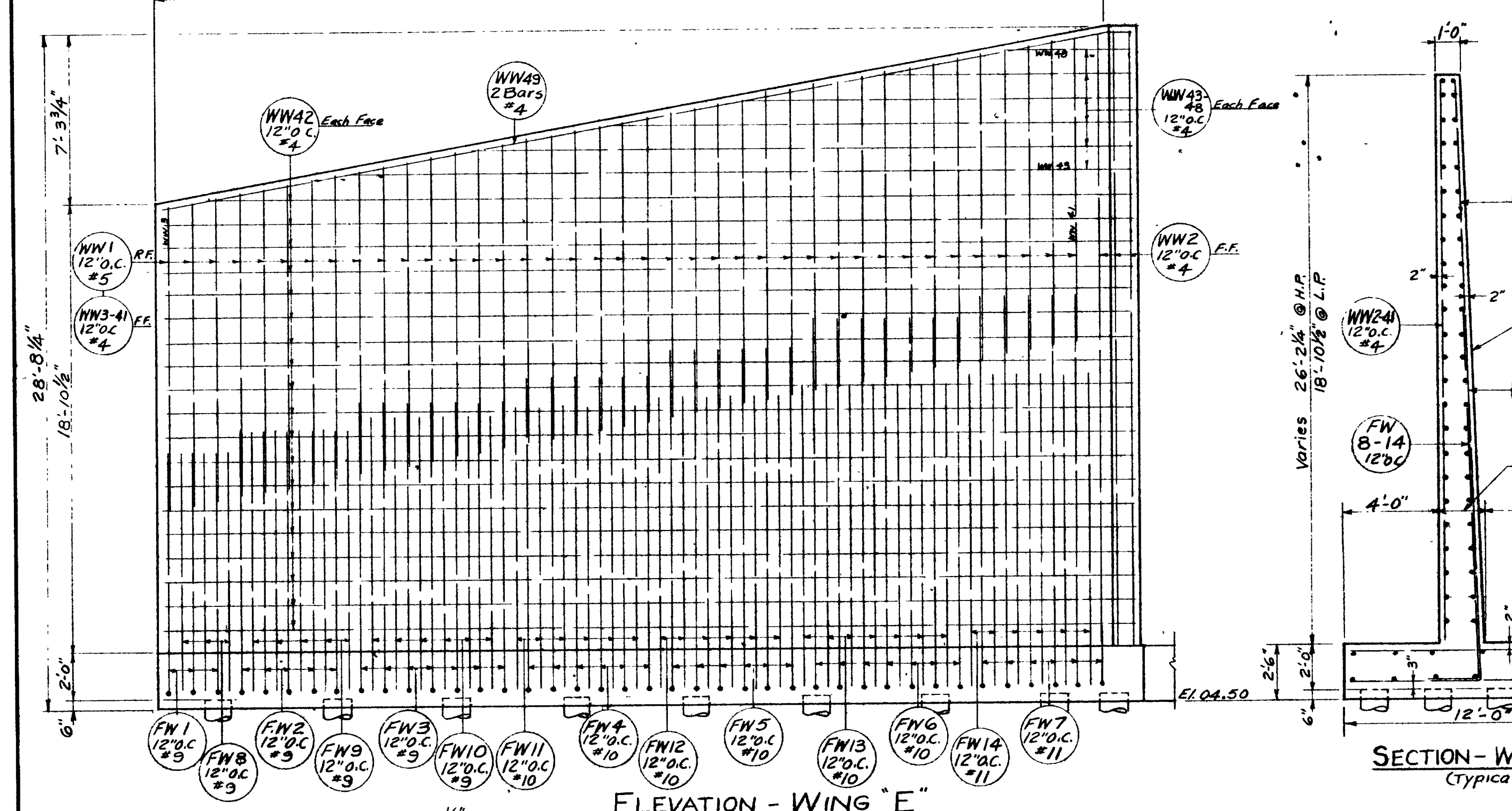
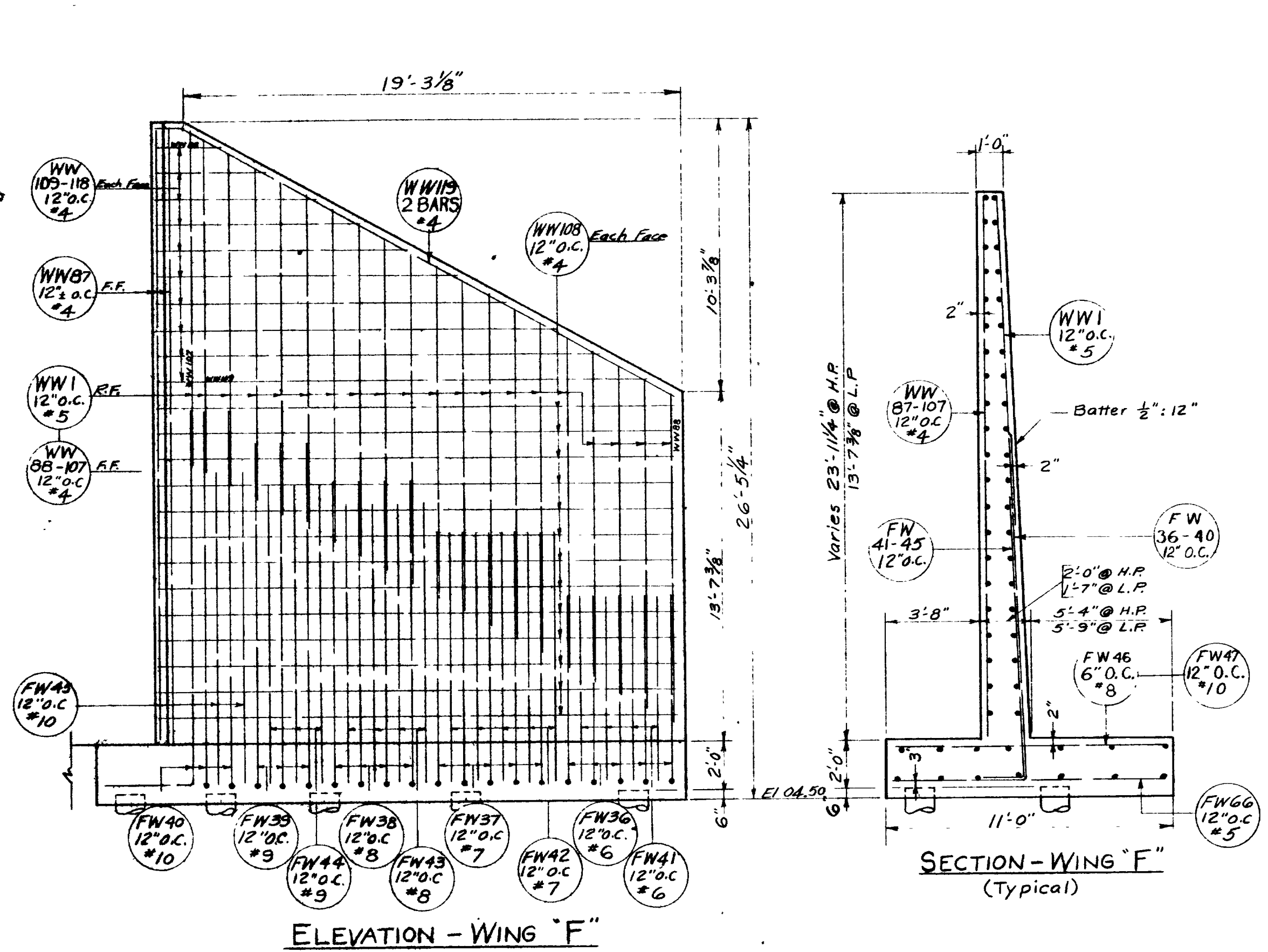
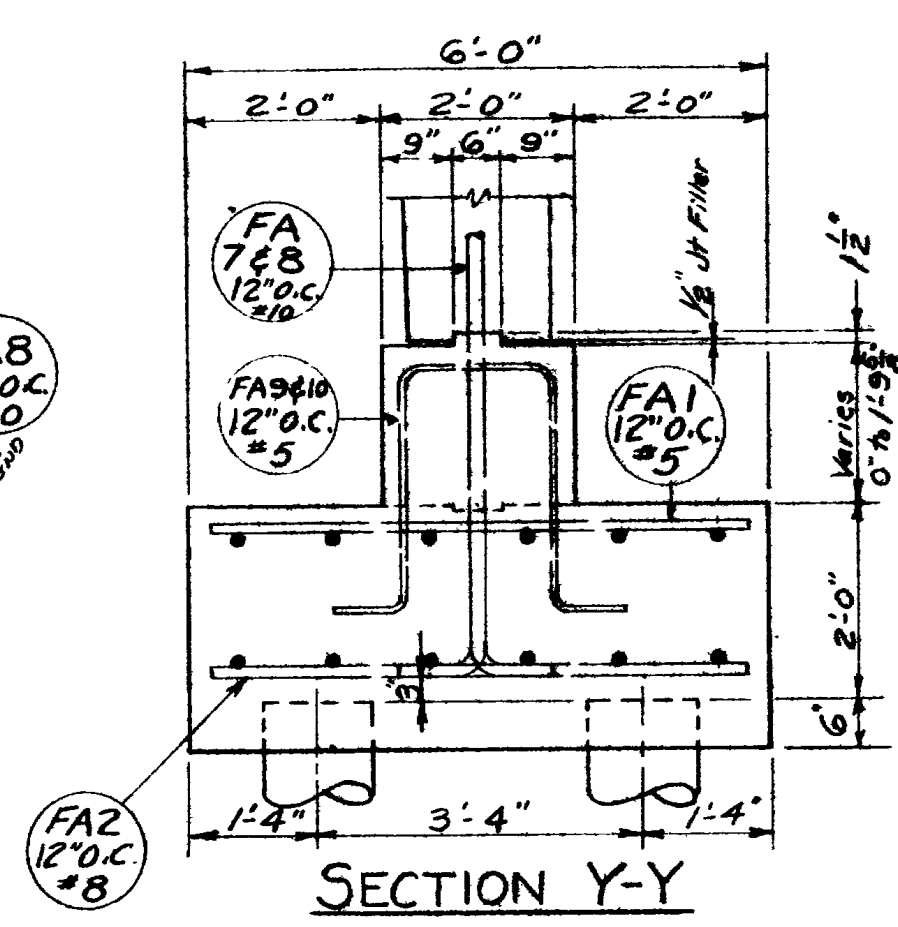
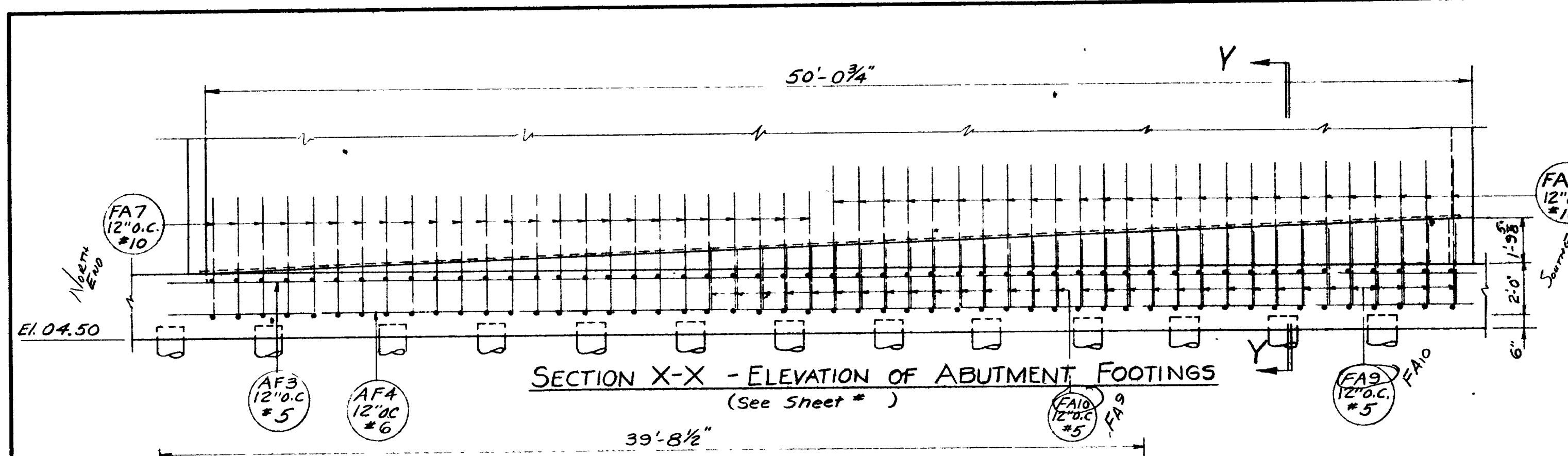
SHEET 11 OF 14 SHEETS

UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

REEVES AVE. O'PASS
W. BD. 54.72' O. to O. 120'07" WING L
Sta. 235+03.13 F-037-1(4) 22' 0" + 1'
Junct. S.R. 38 - Junct. Wall Ave.
Ogden, Weber Co.

DESIGNED BY **F.M.E.** SCALE: 1" = 4'
DRAWN BY **P.J.B.** ISSUED: _____
TRACED BY _____ APPROVED: _____
CHECKED BY **J.W.E.** CHIEF BRIDGE ENGINEER

BR. NO. 29-208-1-4(W.B.) DRG. NO. **D-653W**



REVISIONS	DATE	BY
1	3-73	J.W.E.
2	4-73	R.V.B.

WING WALLS

SHEET 12 OF 14 SHEETS

UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

REEVES AVE. O'PASS
W. BD. 54.72' O. to O. 120' 07" XING L.
Sta 235+03.13 F-037-1(4) 2nd Ed.
Junct. S.R. 38 - Junct. Wall Ave.
Ogden, Weber Co.

DESIGNED BY F.M.E. SCALE
DRAWN BY R.V.B. ISSUED
TRACED BY J.W.E. APPROVED
CHECKED BY J.W.E. CHIEF BRIDGE ENGINEER

BR No. 23-208-1-4(W.B.) DRG No. D-653 W

MARK	LOCATION	SIZE	NO	TOTAL	SKETCH
			NO	LENGTH	
WW123	N.Y.	4	29	38'	
WW133		4	29	38'	
WW145		4	29	38'	
WW146		4	29	38'	
WW147		4	29	38'	
WW148		4	29	38'	
WW149		4	29	38'	
WW150		4	29	38'	
WW151	N.Y.	4	29	38'	

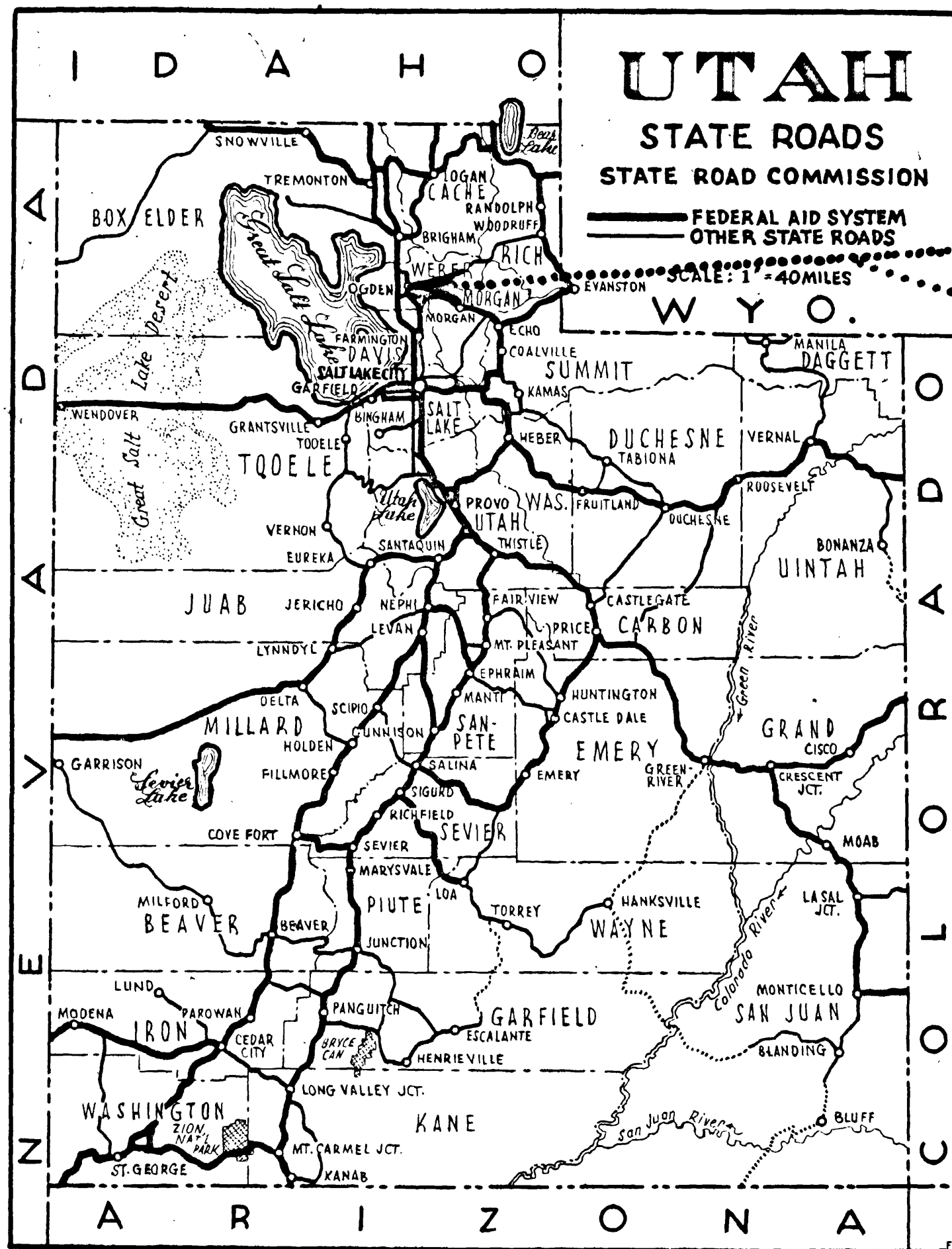
9,443.5	Lin. Ft. of # 4 bars	@ 0.668 Lbs./ft.	6,003	6,041
13,466.5	" 5	@ 1.043 Lbs./ft.	20,010	20,303
85.0	" 6	@ 1.502 Lbs./ft.	1,244	1,873
492.5	" 7	@ 2.044 Lbs./ft.	1,006	1,006
2,299.7	" 8	@ 2.61 Lbs./ft.	6,145	6,140
7,086.7	" 10	@ 3.40 Lbs./ft.	24,123	24,118
7,443.5	" 12	@ 4.31 Lbs./ft.	33,815	34,176
2.2	"	@ 5.31 Lbs./ft.	1,190	1,190
TOTAL =			94,034	Lbs.
			94,257	

NOTE: All dimensions relating to reinforcing are to outside of bars.

REVISIONS
 3-17-78
 5-28-81

SHEET 14 OF 14 SHEETS

UTAH STATE ROAD COMMISSION SALT LAKE CITY, UTAH BRIDGE DEPARTMENT	
REEVES AVE C PASS West Bd 5472 0 to 0 120'07" KING Sta 235+03.13 F-037 (14) 2nd con Junct SR 38 Junct Wall Ave Ogden, Weber Co	
DESIGNED BY: J.M.E. DRAWN BY: R.B.U. CHECKED BY: J.W.E.	SCALE: ISSUED: APPROVED: CHIEF BRIDGE ENGINEER
BR NO. 29-208-1-4(W.B.)	DRG NO. D-653W



STATE OF UTAH STATE ROAD COMMISSION

FG-037-1(5)
S-0568(2)
DF-037-1(3)
F-037-1(4)

INDEX TO SHEETS F-037-1(4) SEC. CONTR.

SHT. NO.	DESCRIPTION	DWG. NO.	STA.
1	TITLE SHEET		
2-28	TYPICAL SECTION & MATERIALS SHEET		
3-14	PLAN & PROFILE		
15-28	51.16' (E.B.L.) 55.49' (W.B.L.) 0-0 CONC. RIGID FR. O'PASS D-634		
29	STD. HANDRAIL DETAILS	S-R-3-2	
30	CATCH BASIN	V-750	
31	2 WAY DIVERSION BOX	V-376-2	1+60
32	STD. GUARD RAIL & GUIDE POSTS	B-158	
33	MED. ISLAND CURB DETAIL	B-151	
34	STD. END SECTIONS	B-160	
35	STD. R/W FENCE	B-157	
36	CHAIN LINK FENCE	B-155	
37	DELINEATORS	B-154	
38-40	STD. HIGHWAY SIGNS	B-95-1, 2, 3	
41-A	STD. F.A. & R/W MARKERS	M-45	
41-B	STD. FOR SUPER. CURVES	M-180	

(234+53.53 E.B.L.
235+03.13 W.B.L.)

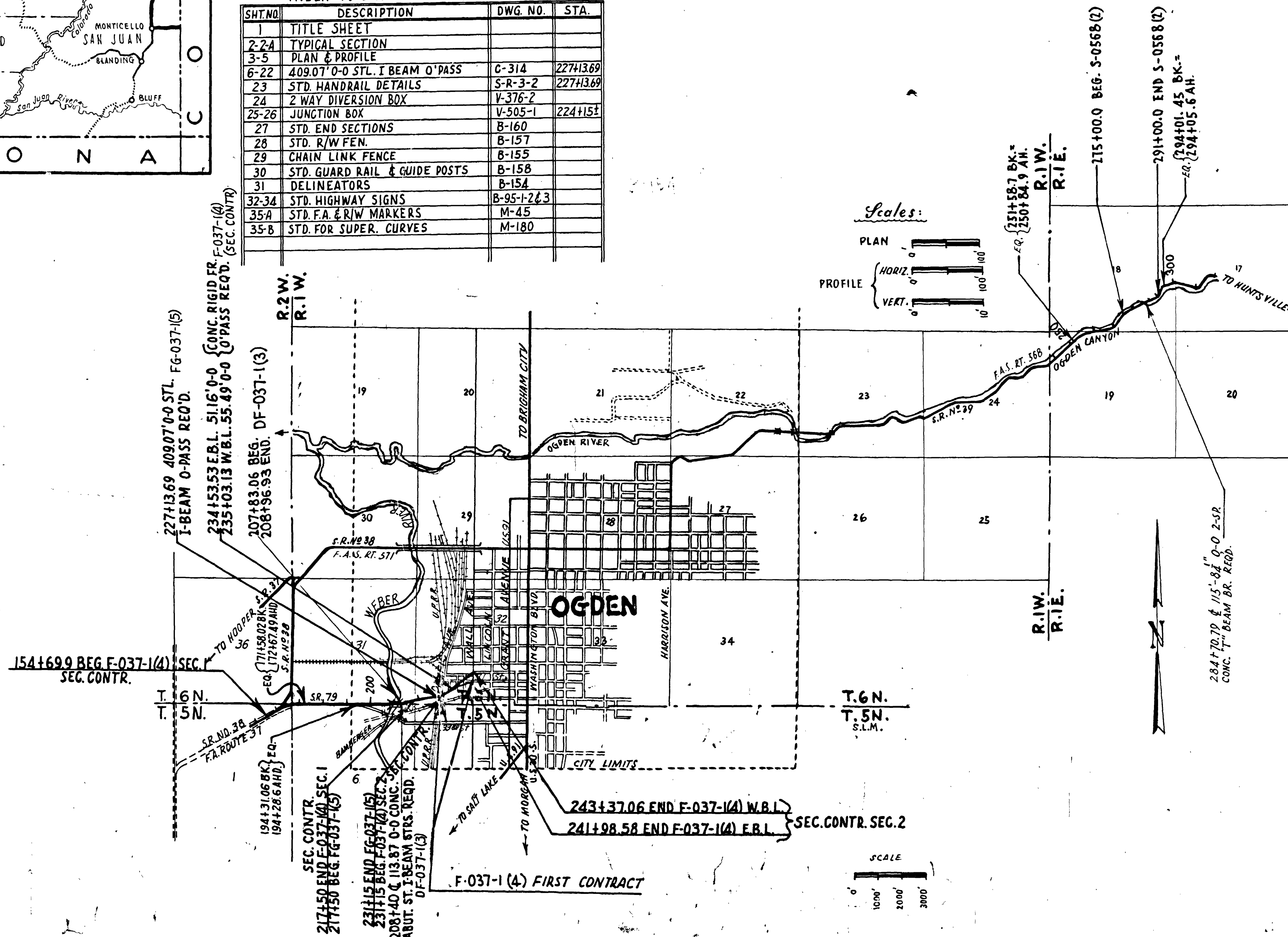
PLANS OF PROPOSED STATE ROAD FEDERAL AID PROJECT WEBER COUNTY

S-0568(2) LENGTH 0.303 MILES
DF-037-1(3) LENGTH 0.022 MILE
F-037-1(4) FIRST CONTRACT
SECOND CONTR. SEC. 1 & 2 F-037-1(4) LENGTH 1.373 MILES
FG-037-1(5) LENGTH 0.259 MILES

AS CONSTRUCTED

INDEX TO SHEETS FG-037-1(5)

SHT. NO.	DESCRIPTION	DWG. NO.	STA.
1	TITLE SHEET		
2-24	TYPICAL SECTION		
3-5	PLAN & PROFILE		
6-22	409.07' 0-0 STL. I BEAM O'PASS	C-314	227+13.69
23	STD. HANDRAIL DETAILS	S-R-3-2	227+13.69
24	2 WAY DIVERSION BOX	V-376-2	
25-26	JUNCTION BOX	V-505-1	224+15.1
27	STD. END SECTIONS	B-160	
28	STD. R/W FEN.	B-157	
29	CHAIN LINK FENCE	B-155	
30	STD. GUARD RAIL & GUIDE POSTS	B-158	
31	DELINEATORS	B-154	
32-34	STD. HIGHWAY SIGNS	B-95-1, 2, 3	
35-A	STD. F.A. & R/W MARKERS	M-45	
35-B	STD. FOR SUPER. CURVES	M-180	



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UT.	UTAH	S-0568(2)	POSTWAR	1	
UT.	UTAH	DF-037-1(3)	POSTWAR	1	
UT.	UTAH	F-037-1(4)	POSTWAR	1	
UT.	UTAH	F-037-1(4)	POSTWAR	1	41
UT.	UTAH	FG-037-1(5)	POSTWAR	1	39

INDEX TO SHEETS S-0568(2)

SHEET NO.	DESCRIPTION	DRAWING NO.	STATION
1	TITLE SHEET		
2	TYPICAL SECTION		
3	PLAN & PROFILE		
4-26	115'-8 1/2" 0-0 2-SP CONC. T BEAM BR	D-634	284+70.17
27	STD. HAND RAIL DETAILS	SR-3-2	284+70.17
28-30	RET. WALLS	V-722	
31-33	STD. HIGHWAY SIGNS	B-95-1, 2, 3	
34-A	" F.A. & R/W MARKERS	M-45	
34-B	" FOR SUPER. CURVES	M-180	

INDEX TO SHEETS DF-037-1(3)

SHEET NO.	DESCRIPTION	DRAWING NO.	STATION
1	TITLE SHEET		
2	PLAN & PROFILE		
3-15	113' 7 1/2" 0-0 CONC. ABUT. ST. I BEAM STRS.	C-310	208+40
16	STD. HANDRAIL DETAILS	SR-3-2	208+40
17-19	HIGHWAY SIGNS	B-95-1, 2, 3	

INDEX TO SHEETS F-037-1(4) FIRST CONTRACT

SHEET NO.	DESCRIPTION	DRAWING NO.	STATION
1	TITLE SHEET		
2	PLAN		

STATE ROAD COMMISSION OF UTAH
RECOMMENDED FOR APPROVAL: MAY 1959

R. J. Ballard
ASSISTANT DIRECTOR OF HIGHWAYS FOR ENGINEERING

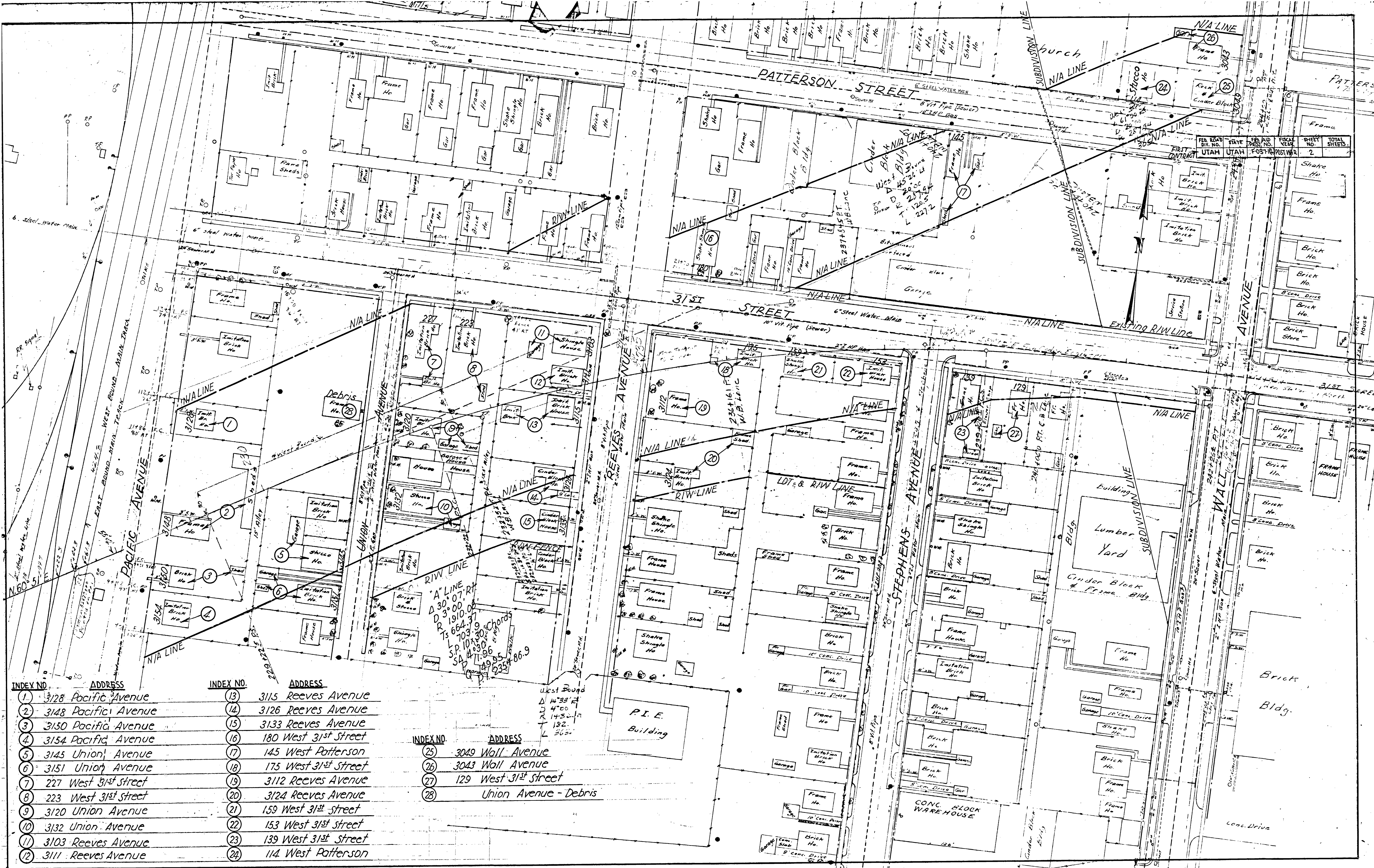
APPROVED: MAY 1959

Edwin R. Morgan
DIRECTOR OF HIGHWAYS

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED: _____
DIVISION ENGINEER DATE

cabinet #24



INDEX NO.	ADDRESS	INDEX NO.	ADDRESS
1	3128 Pacific Avenue	13	3115 Reeves Avenue
2	3148 Pacific Avenue	14	3126 Reeves Avenue
3	3150 Pacific Avenue	15	3133 Reeves Avenue
4	3154 Pacific Avenue	16	180 West 31st Street
5	3145 Union Avenue	17	145 West Patterson
6	3151 Union Avenue	18	175 West 31st Street
7	227 West 31st Street	19	3112 Reeves Avenue
8	223 West 31st Street	20	3124 Reeves Avenue
9	3120 Union Avenue	21	159 West 31st Street
10	3132 Union Avenue	22	153 West 31st Street
11	3103 Reeves Avenue	23	139 West 31st Street
12	3111 Reeves Avenue	24	114 West Patterson

INDEX NO.	ADDRESS
25	3049 Wall Avenue
26	3043 Wall Avenue
27	129 West 31st Street
28	Union Avenue - Debris

West Bound
 Δ 14° 33' RT
 D 4" 20'
 R 143' 0"
 L 182'
 L 365'

"A" LINE
 Δ 30° 07' RT
 D 3" 00'
 R 664' 37"
 L 703' 39"
 L 1064' 39"
 L 1095' 96"
 L 1495' 51"
 L 2351' 86.9"