

260+73.1
 BEG. OF PROJECT
 S.P. 1344

OFF. REV.
 A 18°38'30" RT.
 D 2°00'
 R 2864.9'
 TS 570.3'
 LS 1132.1'
 PI 249+82.6

SN - FAGH-214-F(1)
 FAP-32 (S)

PLAN SURVEYED
 PLOTTED
 ALIGNED CHECKED
 NOTE BOOK
 RT. OF WAY CHECKED
 NO.

PARCEL NO.
 F126-2B
 F126-89A

OWNER
 Raymond H. Ward, et ux.
 Elmer H. Ward, et ux.

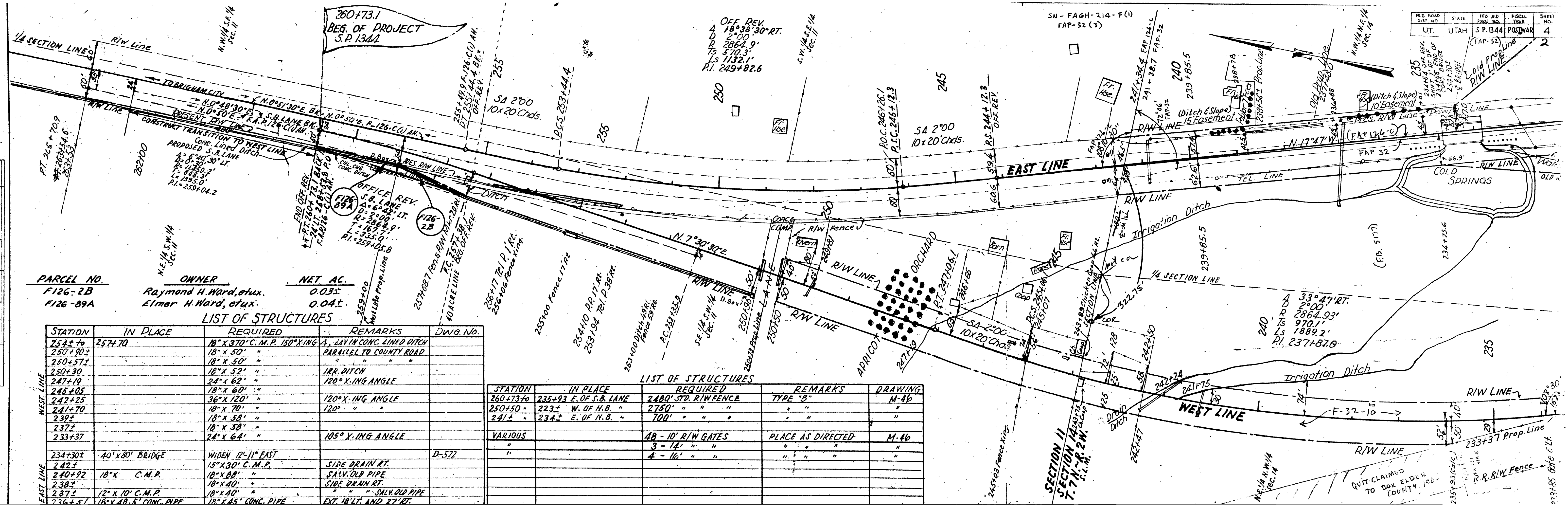
NET AC.
 0.03±
 0.04±

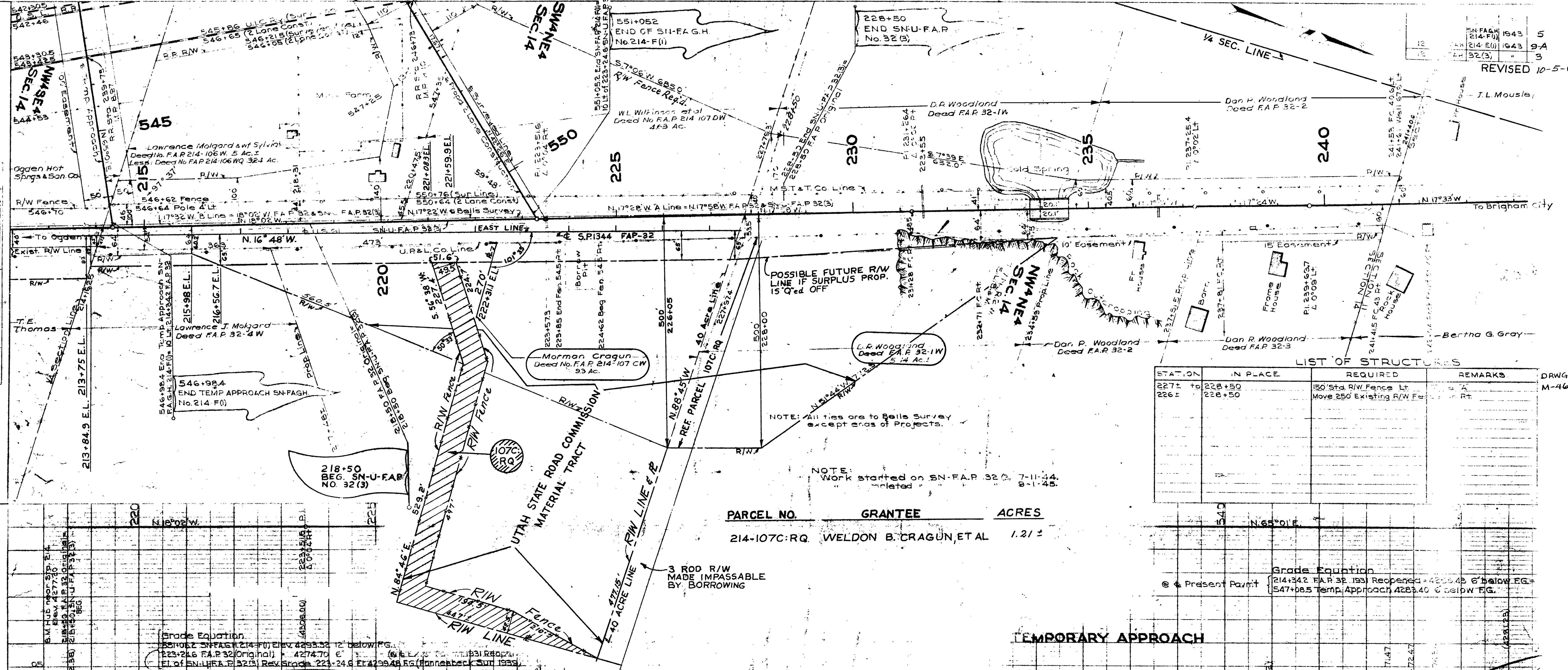
LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DWG. NO.
254± to 257± 70		18" x 370' C.M.P. 150' x ING. A.	LAY IN CONC. LINED DITCH	
250+90±		18" x 50'	PARALLEL TO COUNTY ROAD	
250+57±		18" x 50'	"	
250+30		18" x 52'	IRR. DITCH	
247+19		24" x 62'	120° X. ING. ANGLE	
245+05		18" x 60'	"	
242+25		36" x 120'	120° X. ING. ANGLE	
241+70		18" x 70'	120° " "	
239±		18" x 58'	"	
237±		18" x 58'	"	
233+37		24" x 64'	105° X. ING. ANGLE	
234+30±	40' x 80' BRIDGE	WIDEN 12"-11" EAST		D-572
242±		15" x 30' C.M.P.	SIDE DRAIN RT.	
240+92	18" x C.M.P.	18" x 88'	SALV. OLD PIPE	
238±		18" x 40'	SIDE DRAIN RT.	
237±	12" x 10' C.M.P.	18" x 40'	" " SALV. OLD PIPE	
236+51	18" x 48.5' CONC. PIPE	18" x 45' CONC. PIPE	EXT. 18' LT. AND 27' RT.	

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING
260+73± to 235+93 E. OF S.B. LANE		2480' STD. R/W FENCE	TYPE "B"	M-46
250+50±	223± W. OF N.B.	2750' " " "	" " "	"
241±	234± E. OF N.B.	700' " " "	" " "	"
VARIOUS		48 - 10' R/W GATES	PLACE AS DIRECTED	M-46
"		3 - 14' " "	" " "	"
"		4 - 16' " "	" " "	"

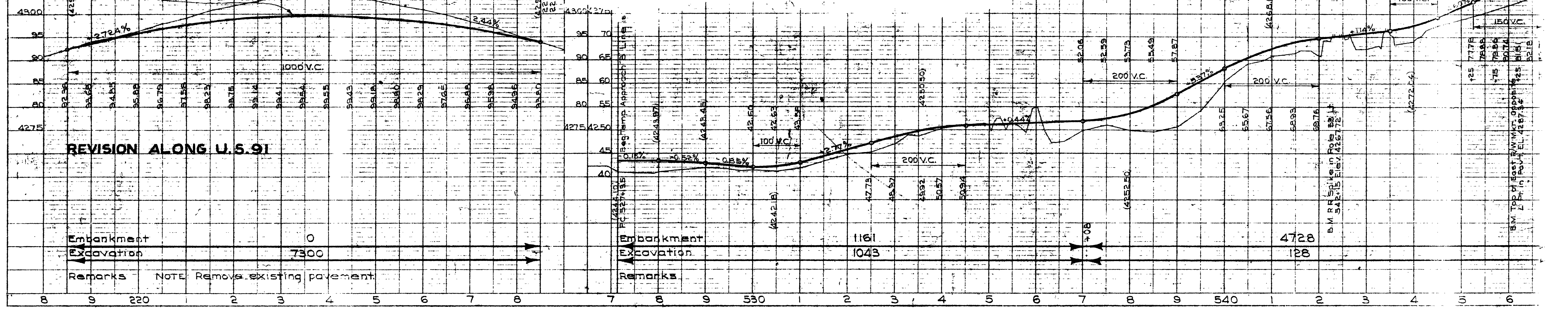




LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS
227+ to 228+50		150' Std. R/W Fence Lt	
226+ to 228+50		Move 250' Existing R/W Fence	

PARCEL NO.	GRANTEE	ACRES
214-107C RQ	WELDON B. CRAGUN, ET AL	1.21 ±



Grade Equation:
 251+06.2 SN-FAGH (214-FU) Elev. 4295.32 12' below F.G.
 223+24.6 F.A.P. 32 (Original) = 4274.70' E.
 E.L. of SN-FAGH P. 32(3) Rev. Grade 223+24.6 Elev. 4299.48 F.G. (Hannestack, Sun 1935)

Grade Equation:
 214+34.2 F.A.P. 32 1931 Reopened = 4295.43 6' below F.G.
 547+08.5 Temp. Approach 4283.40 6' below F.G.

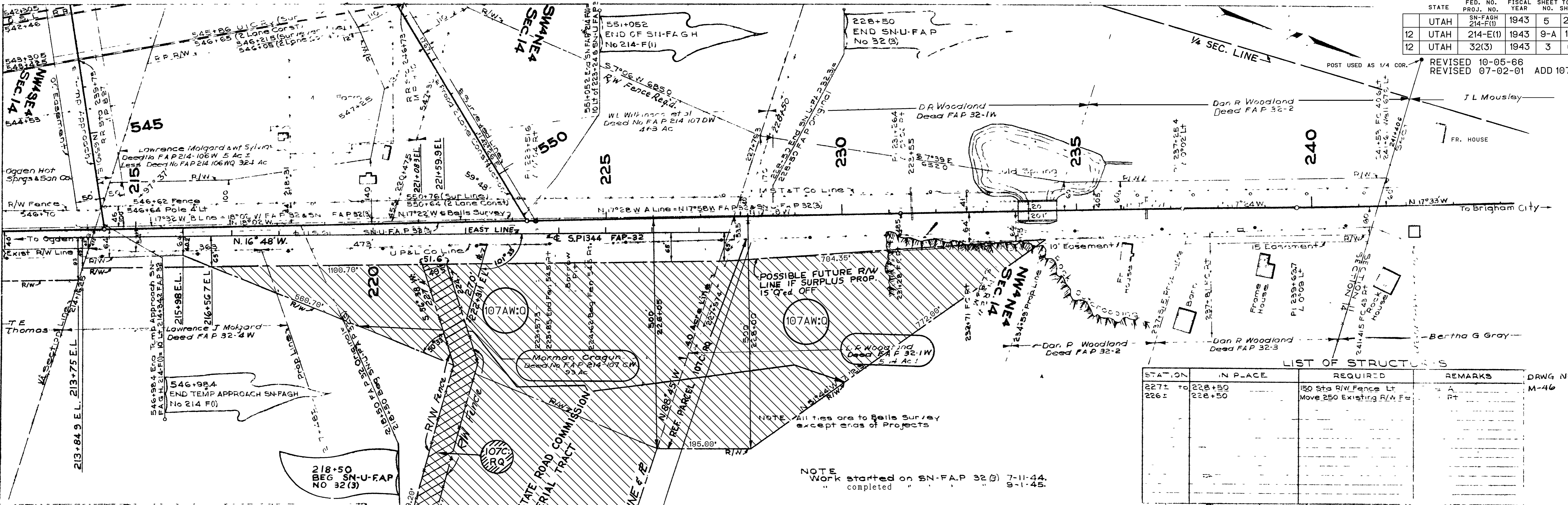
REVISION ALONG U.S. 91

Embankment 0
 Excavation 700E
 Remarks NOTE: Remove existing pavement.

Embankment 1161
 Excavation 1043
 Remarks

4728
 128
 B.M. RR Spike in Pole 531 Lt
 542+15 Elev. 4267.72
 B.M. Top of East R/W Mark. Opposite 145' Side
 2 Ft. in Post. EL. 4287.44

REVISED 10-05-66
REVISED 07-02-01 ADD 107AW:0

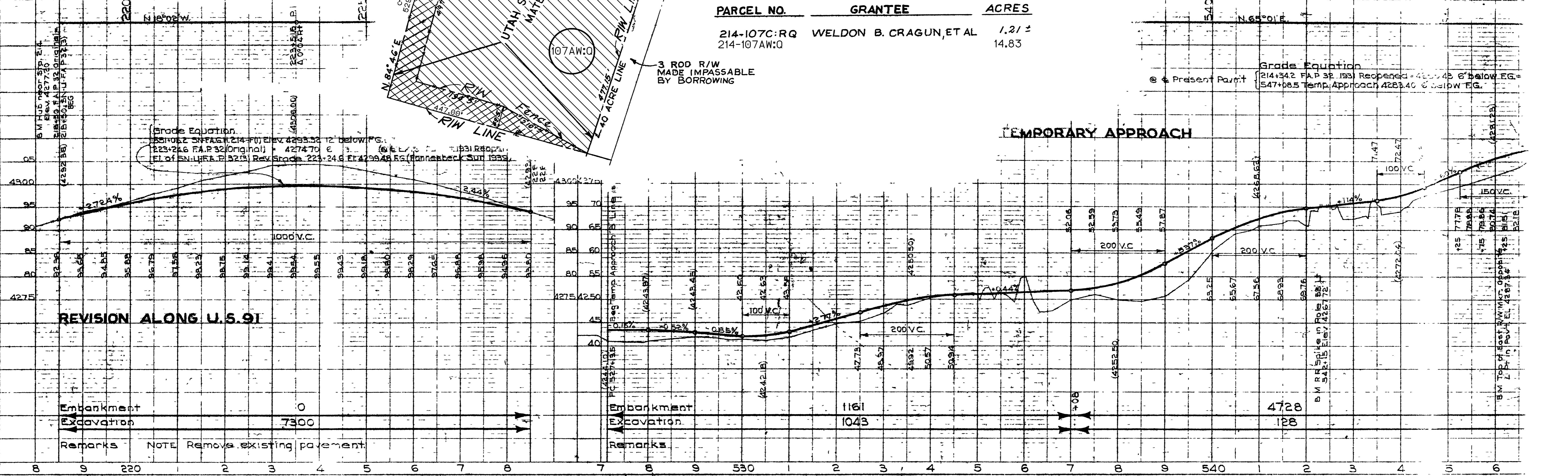


LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS
227+ to 228+50		150 Sta R/W Fence Lt	
226+ to 228+50		Move 250 Existing R/W Fence	

PARCEL NO.	GRANTEE	ACRES
214-107C:RQ	WELDON B. CRAGUN, ET AL	1.21 ±
214-107AW:0		14.83

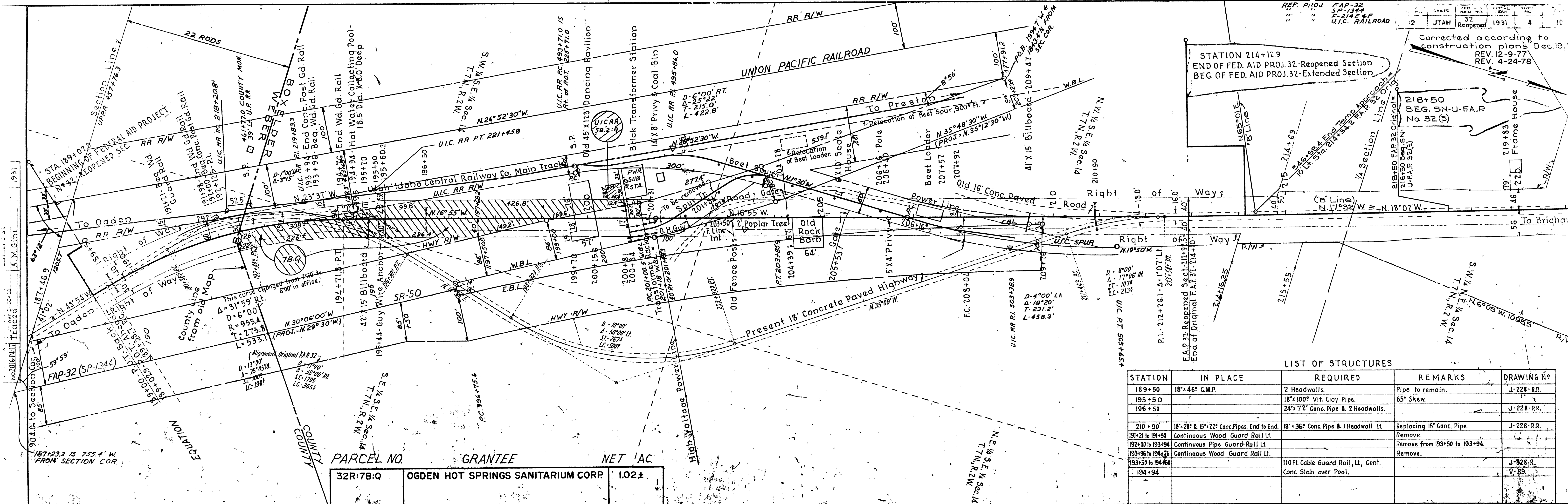
Grade Equation
 @ Present Point (214+34.2 FAP 32-193) Reopened = 4255.45 6' below EG = 547+08.5 Temp. Approach 4283.40 6' below EG.



Embankment 0
 Excavation 7300
 Remarks NOTE Remove existing pavement.

Embankment 1161
 Excavation 1043
 Remarks

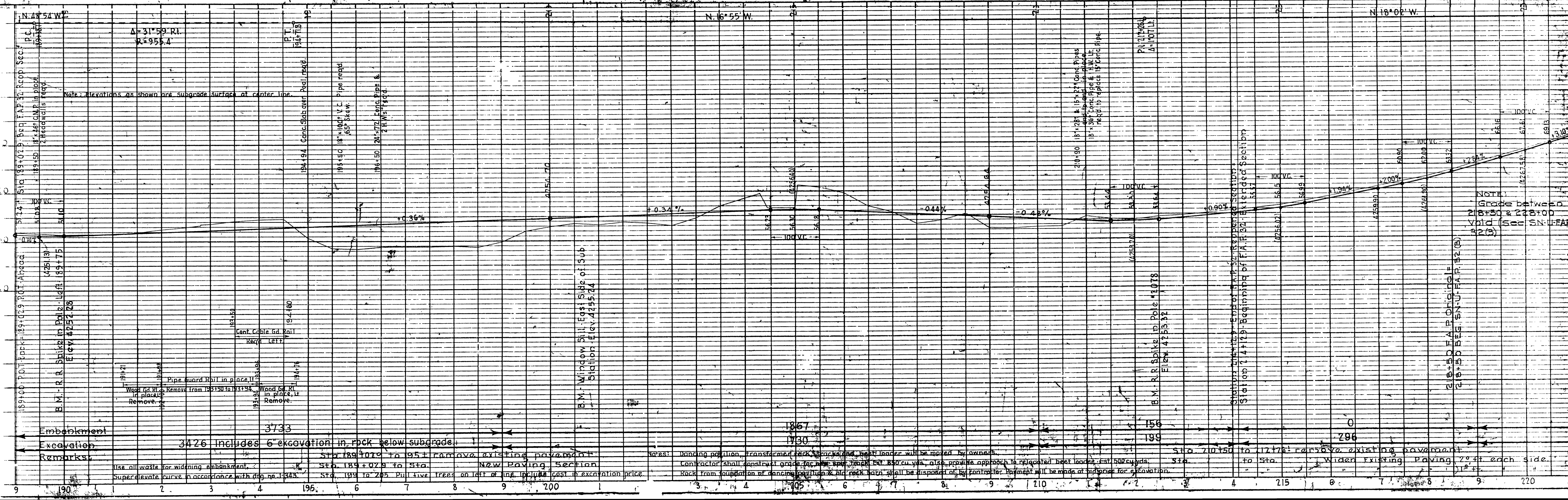
4728
 128
 B.M. P.P. 5421.5 Elev 4287.72
 B.M. Top of East R/W Mkt. Opposite 4251.15 Elev 4287.34



LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING NO.
189+50	18'x46" C.M.P.	2 Headwalls.	Pipe to remain.	J-228-R.R.
195+50		18'x100" Vit. Clay Pipe.	65' Skew.	
196+50		24'x72" Conc. Pipe & 2 Headwalls.		J-228-R.R.
210+90	18'x28" & 15'x22" Conc. Pipes, End to End.	18'x36" Conc. Pipe & 1 Headwall Lt.	Replacing 15' Conc. Pipe.	J-228-R.R.
191+21 to 191+98	Continuous Wood Guard Rail Lt.		Remove.	
192+00 to 193+94	Continuous Pipe Guard Rail Lt.		Remove from 193+50 to 193+94.	
193+96 to 194+76	Continuous Wood Guard Rail Lt.		Remove.	
193+50 to 194+60		110 Ft. Cable Guard Rail, Lt. Cont.		J-328-R.
194+94		Conc. Slab over Pool.		V-85.

PARCEL NO.	GRANTEE	NET AC.
32R:7B:Q	OGDEN HOT SPRINGS SANITARIUM CORR.	1.02±



Notes: Dancng pavilion, Transformer rack, tanks and beet loader will be moved by owners.
 Contractor shall construct grade for new spur track for 850 cu. yds, also provide approach to relocated beet loader at 500 yds.
 Rock from foundation of dancing pavilion & old rock bins shall be disposed of by contractor. Payment will be made at bid price for excavation.

Sta. 189+00 to 195+00 remove existing pavement & N.W. paving section.
 Sta. 193 to 205 pull live trees on left of line, include cost in excavation price.

Sta. 210+150 to 212+75 remove existing pavement & widen existing paving 2' ft each side.

PARCEL SOLD NET AC.
 F32-1W-SQ 0.86±
 UG-586-58-1-Q
 F32-7-AQ 2.678±

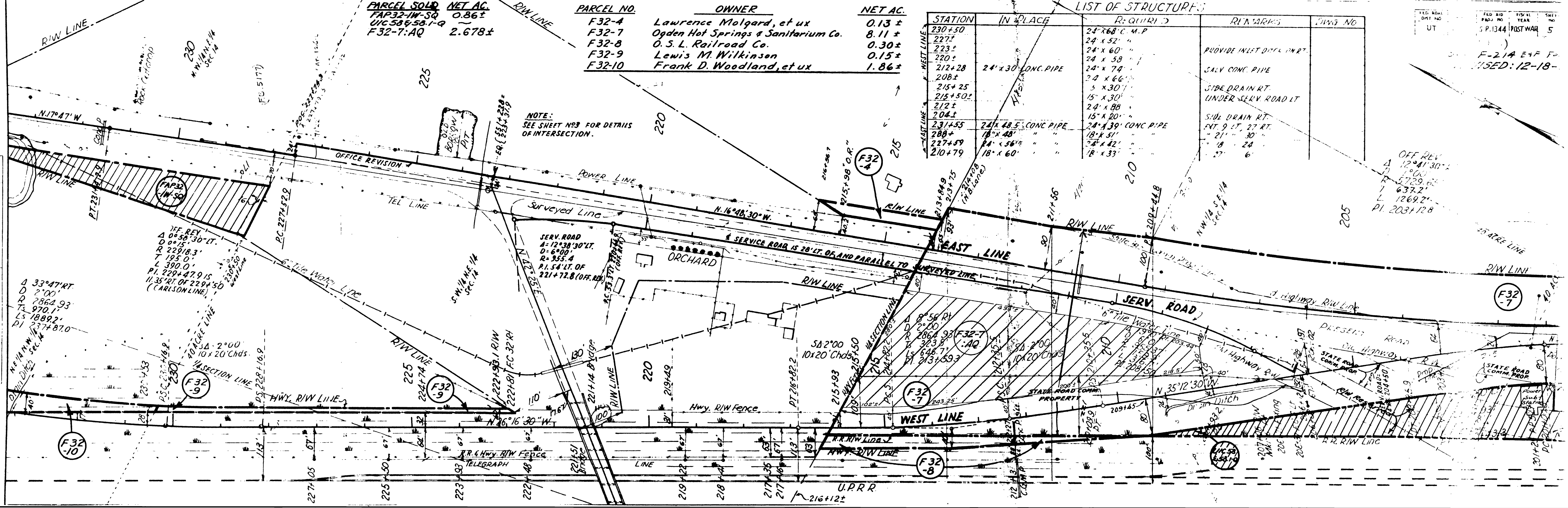
PARCEL NO.	OWNER	NET AC.
F32-4	Lawrence Molgard, et ux	0.13 ±
F32-7	Ogden Hot Springs & Sanitarium Co.	8.11 ±
F32-8	O. S. L. Railroad Co.	0.30 ±
F32-9	Lewis M. Wilkinson	0.15 ±
F32-10	Frank D. Woodland, et ux	1.86 ±

LIST OF STRUCTURES				
STATION	IN PLACE	REQUIRE D	REMARKS	DATE NO.
230+50		24" x 68" C.M.P.		
227±		24" x 52" "		
223±		24" x 60" "	PROVIDE INLET DETENTION	
220±		24" x 58" "		
212+28	24" x 30" CONC. PIPE	24" x 74" "	SALV CONC. PIPE	
208±		24" x 66" "		
215+25		5" x 30" "	SIDE DRAIN RT.	
215+50±		15" x 30" "	UNDER SERV. ROAD LT	
212±		24" x 88" "		
204±		15" x 20" "	SIDE DRAIN RT.	
231+55	24" x 48.5" CONC. PIPE	24" x 30" CONC. PIPE	ENT. 9' LT. 27' RT.	
208±		18" x 48" "	21" x 30"	
227+59		24" x 56" "	18" x 24"	
210+79		18" x 60" "	18" x 33"	

FED. ROAD DIST. NO. UT
 FED. AID PROJ. NO. S.P. 1344
 YEAR POSTWAR
 SHEET NO. 5

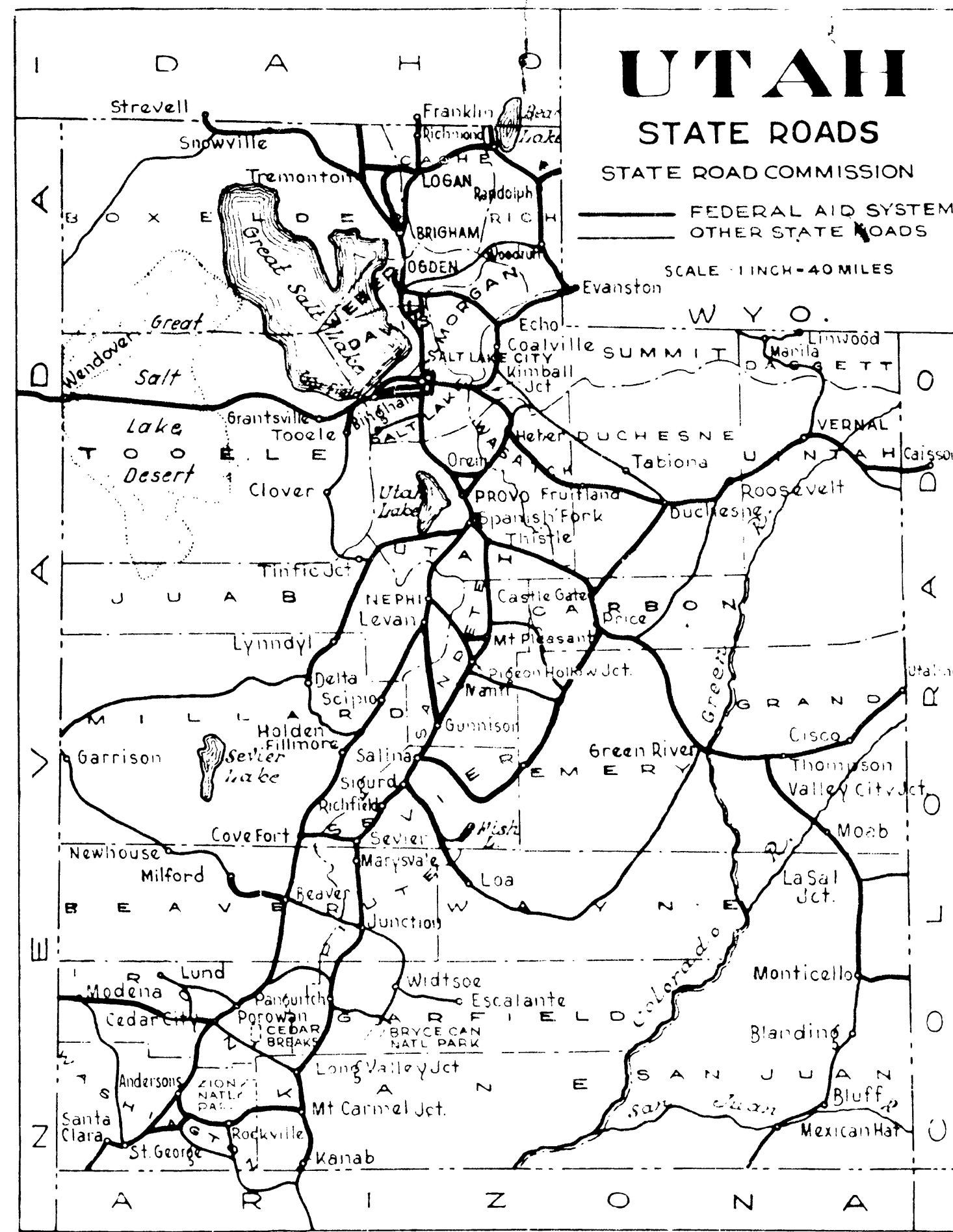
OFF REV
 A 12°41'30"
 B 17°00'
 C 5729.85'
 D 637.2'
 E 1269.2'
 PL. 2031.128

NOTE:
 SEE SHEET N83 FOR DETAILS
 OF INTERSECTION.



PLAN
 INVERTED
 NOTED
 AT
 10' SCALE

STATE OF UTAH STATE ROAD COMMISSION



INDEX TO SHEETS SN-U-F.A.P. No 32 (3)

SHEET	DESCRIPTION	DRAWING NO.	STATION
1	TITLE SHEET		
2	TYPICAL SECTION		
3	PLAN AND PROFILE		
4-5	STD. HIGHWAY SIGNS	8-95-142	
6-A	STD. R/W FENCE	M-46	
1-2	X-SECTIONS		

PLANS OF PROPOSED STATE ROAD FEDERAL AID PROJECT

SN - F.A.G.H. No 214-C (3)	CROSSING SIGN.
SN - F.A.G.H. No 214-C (2)	0.527 MILES
SN - F.A.P. No 214-C (3)	2.054 MILES
SN - F.A.P. No 214-D (3)	0.160 MILES
SN-U-F.A.P. No 214-E (3)	3.543 MILES
SN - F.A.G.H. No 214-F (1)	0.455 MILES
SN-U-F.A.P. No 32 (3)	0.189 MILES

INDEX TO SHEETS SN-U-F.A.P. No 214-E (1)

SHEET	DESCRIPTION	DRAWING	STATION
1	TITLE SHEET		
2	TYPICAL SECTION		
3	PLAN AND PROFILE		
4-5	STD. HIGHWAY SIGNS	8-95-142	
6-A	STD. R/W FENCE	M-46	
1-2	X-SECTIONS		

INDEX TO SHEETS F.A.G.H. No 214-C (2)

SHEET	DESCRIPTION	DRAWING	STATION
1	TITLE SHEET		
2	TYPICAL SECTION		
3	PLAN AND PROFILE		
4-5	STD. HIGHWAY SIGNS	8-95-142	
6-A	STD. R/W FENCE	M-46	
1-2	X-SECTIONS		

INDEX TO SHEETS F.A.G.H. No 214-C (3)

SHEET	DESCRIPTION	DRAWING	STATION
1	TITLE SHEET		
2	SITUATION PLAN		
3	SIGNAL AND ACC. EQUIPMENT	D.S.R.G.W.	32+11.6
4	WIRING DIAGRAM		

INDEX TO SHEETS SN-F.A.G.H. No 214-F (1)

SHEET	DESCRIPTION	DRAWING	STATION
1	TITLE SHEET		
2	TYPICAL SECTION		
3-5	PLAN AND PROFILE		
6-7	STD. HIGHWAY SIGNS	8-95-142	
8-19	CONC. OVERHEAD	0.443	344+39.62
10-A	F.A.P. MARKERS	M-45	
10-B	R/W FENCE AND GATES	M-46	
20-C	SUPER. & WIDEN CURVES	M-37	
1-15	X-SECTIONS		

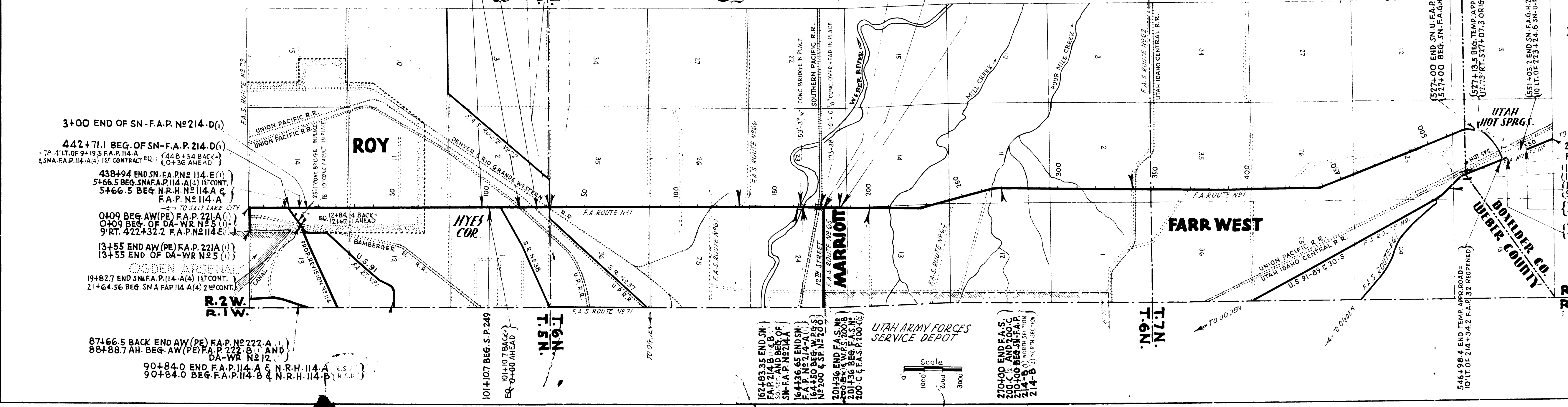
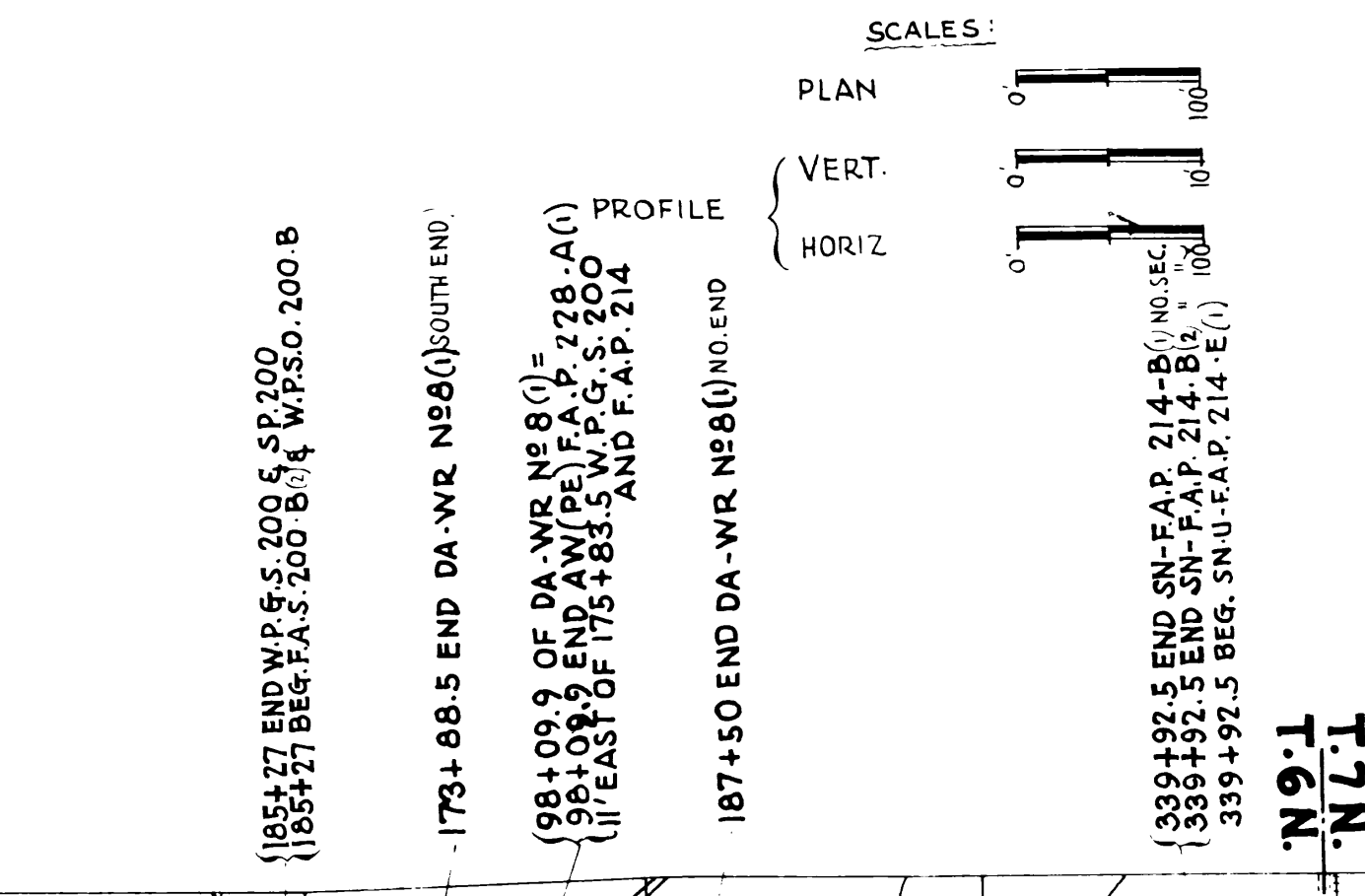
INDEX TO SHEETS SN-F.A.P. 214-C (1)

SHEET	DESCRIPTION	DRAWING	STATION
1	TITLE SHEET		
2	TYPICAL SECTION		
3-8	PLAN AND PROFILE		
9-10	3-WAY DIVERSION BOX	V-20	34+50
11	STD. DIVERSION BOX	V-302	52+38
12	CATCH BASIN	V-330-L-2	62+00
13	18" X 12" CONC. PIPE SYPHON	E-746-L-4	77+04
14	STD. 2-WAY DIVERSION BOX	V-205	83+71
15	13' X 4' X 49" CONC. BOX	A-411-L-4	11+46
16-18	7' X 6' CONC. DIV. BOX TRANSITION	V-305	174+33.65
19	32" CONC. TRANSITION FROM CONC. BOX TO CANAL	V-303	174+85.14
20	6' X 3' X 77" CONC. BOX	V-306	174+85.14
21	WILSON CANAL REVISION	V-312	174+85.14
22	HEADGATES AND OUTLETS	V-214	VARIOUS
23	18" X 102" CONC. PIPE SYPHON	E-746-L-5	130+97
24	R/W MARKERS	M-45	
24-C	SUPER. AND WIDEN CURVES	M-37	
25	STD. HIGHWAY SIGNS	V-205	VARIOUS
26	R.P. ADVANCE WARNING SIGN	J-483	
27	R.P. XING SIGN	B-47	
28	3' X 3' X 24" CONC. BOX	A-411-L-6	126+12.8
15-B	6' X 3' X 12" CONC. BOX	A-411-L-5	126+15
1-26	X-SECTIONS		

INDEX TO SHEETS SN-F.A.P. 214-D (1)

SHEET	DESCRIPTION	DRAWING	STATION
1	TITLE SHEET		
2-2A	TYPICAL SECTION		
3	PLAN AND PROFILE		
4	CHANNELIZATION		
5-6	STD. HIGHWAY SIGNS	8-95-142	
7	HEADGATES AND OUTLETS	V-313-L-1	VARIOUS
8	TEXT TO EXISTING BOX	E-756	124+74
10	REINFORCING AND JOINT DETAIL	B-94	448+51
11	STD. CURB	B-48-1	
12-A	F.A.P. MARKER	M-45	
1-C	X-SECTIONS		

97+25 BEG. SN-F.A.G.H. 214-C(2)
 14+23.98 - 194.92 CONC. OVERHEAD IN PLACE
 (24+00 END SN-F.A.G.H. 214-C(2))
 (24+00 BEG. SN-F.A.P. 214-C(1))
 (30+87 SN-F.A.P. 214-C(1)) ORIGINAL INTERSECTION
 (108+40 OF F.A.S.P. No 2)
 NS-1 (32+11.6 F.A.P. No 214-C(1)) PROPOSED CONSTRUCTION
 NS-1 (108+73.2 'B' LINE F.A.S.P. No 2)
 32+11.6 SN-F.A.G.H. 214-C(2)
 HIGHWAY CROSSING SIGNS



APPROVED MARCH 1942
 STATE ROAD COMMISSION OF UTAH

RECOMMENDED FOR APPROVAL

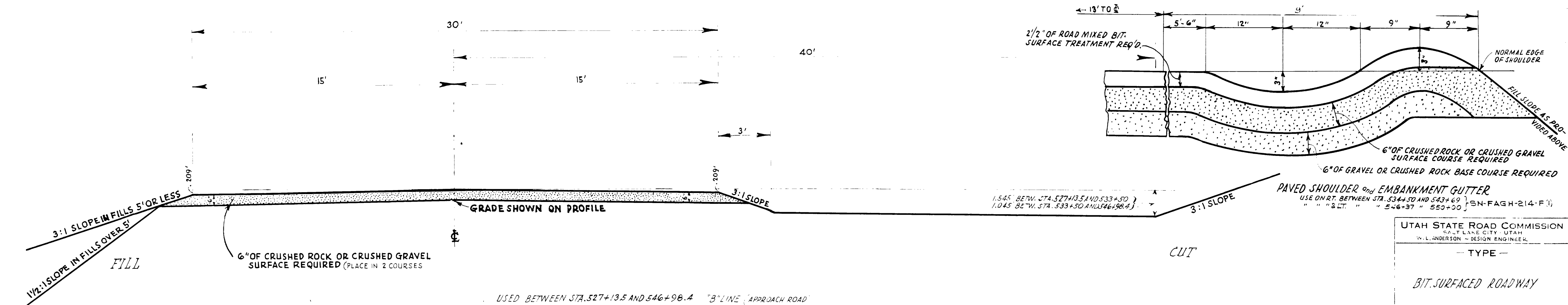
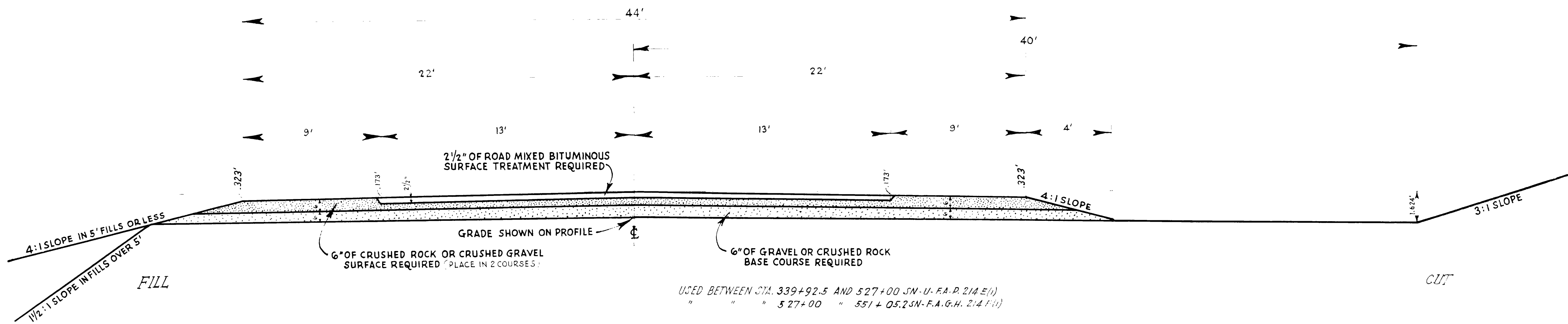
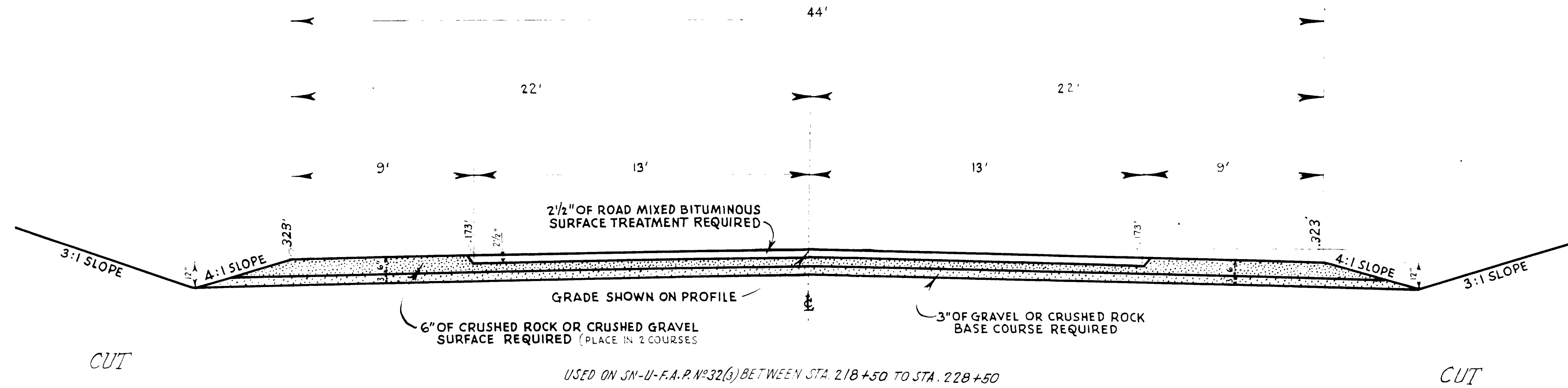
241+00 BEG. SN-F.A.P. 32(2)
 F.A.S. 33-A(1) XING SIGNAL
 189+02.9 BEG. F.A.P. 32 REGR. AH=
 189.00 BACK
 (1+61.6 BEG. F.A.S. 10-A & 10-A(1)=
 9 RT. OF 184+32.0 F.A.P. No 32
 (228+50 END SN-U-F.A.P. 32(3))
 (228+50 F.A.P. 32 (ORIGINAL)=
 218+50 F.A.P. 22 (ORIGINAL)=
 218+50 BEG. SN-U-F.A.P. 32(3))

RECOMMENDED FOR APPROVAL

APPROVED

TYPICAL CROSS SECTION

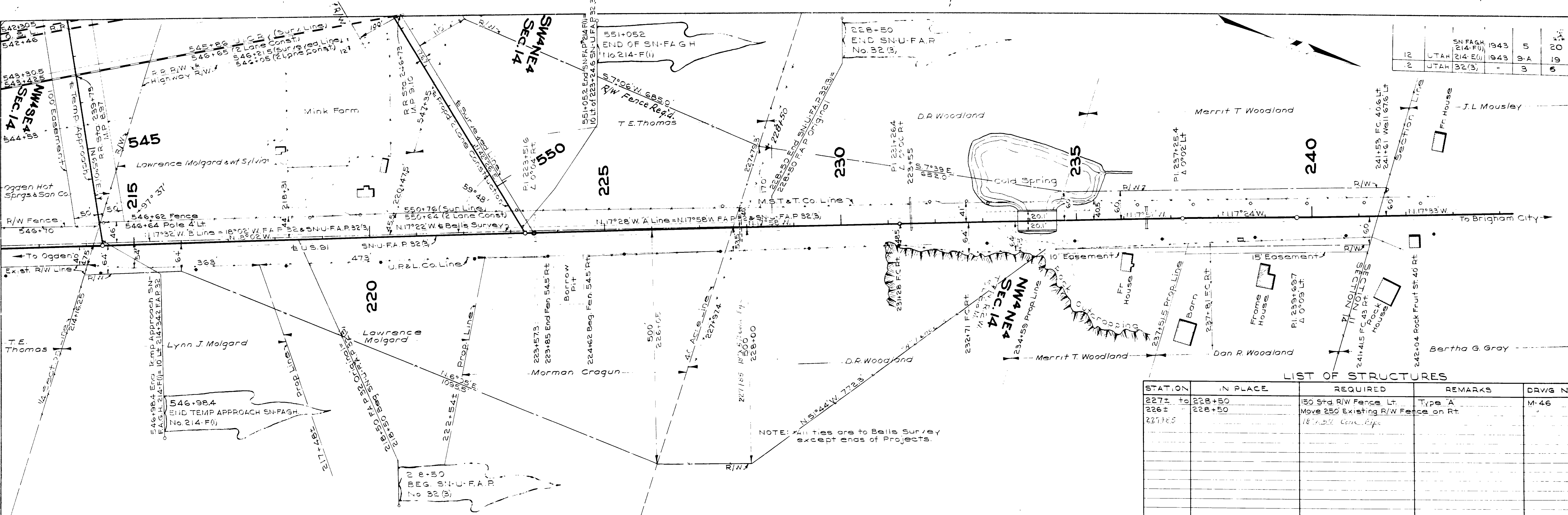
REV. NO.	DATE	BY	CHKD.	REASON	NO. SHEETS	TOTAL SHEETS
12	UTAH	SN-U-F.A.P. 32(3)	1943		2	6
"	"	214-E	1943		2	
"	"	214-F	1943		2	



REV. NO.	DATE	BY	CHKD.

PLAN DATE 1942
 BY C.H. Fornesbeck
 CHECKED H.P. Wright
 NO. 5177
 REVISIONS
 1943
 1944

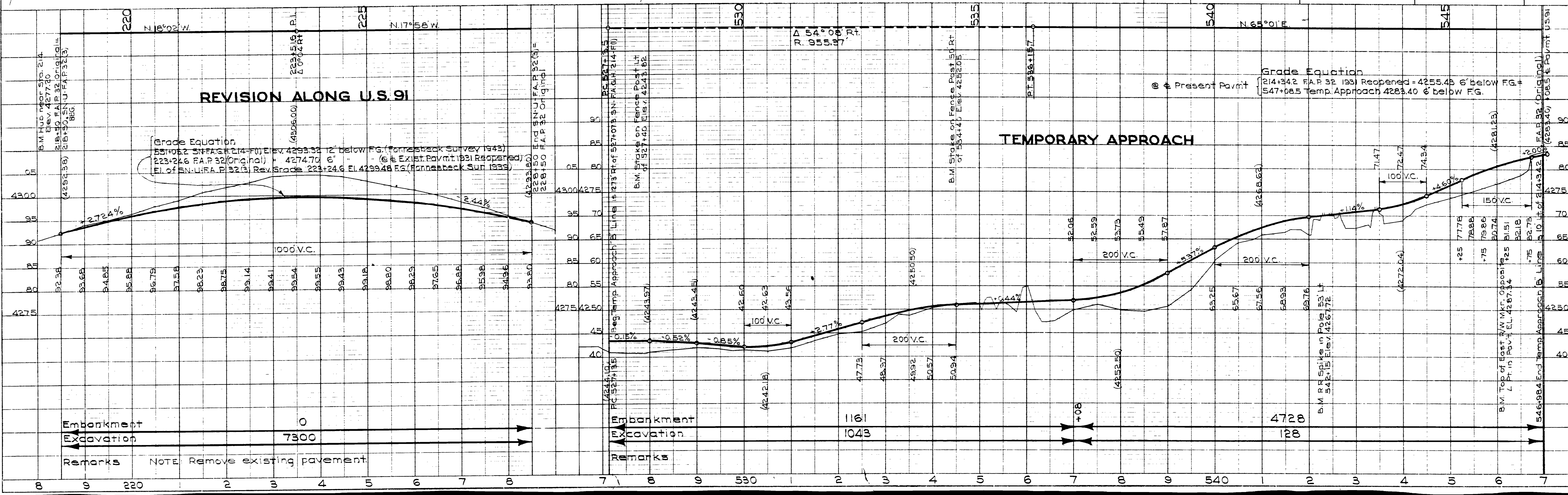
PROFILE DATE 1940
 BY Bell
 CHECKED H.S.W.
 NO. 5177
 REVISIONS
 1943
 1944



12	UTAH	SN.FAGH (214-FU)	1943	5	20
2	UTAH	214-F(1)	1943	9-A	19
		32(3)		3	6

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRWG NO.
227+10 to 228+50		150 Std. R/W Fence Lt.	Type "A"	M-46
226+10 to 228+50		Move 250 Existing R/W Fence on Rt.		
227+85			18" x 22" Concrete Pipe	



REVISION ALONG U.S. 91

Grade Equation
 551+052 SN.FAGH (214-FU) Elev. 4299.32 12' below FG. (Fornesbeck Survey 1942)
 223+246 FAP 32 (Original) + 4274.70' e'
 El. of SN.U.F.A.P. 32(3) Rev. Grade 223+246 El. 4299.48 EG. (Fornesbeck Sur 1933)

TEMPORARY APPROACH

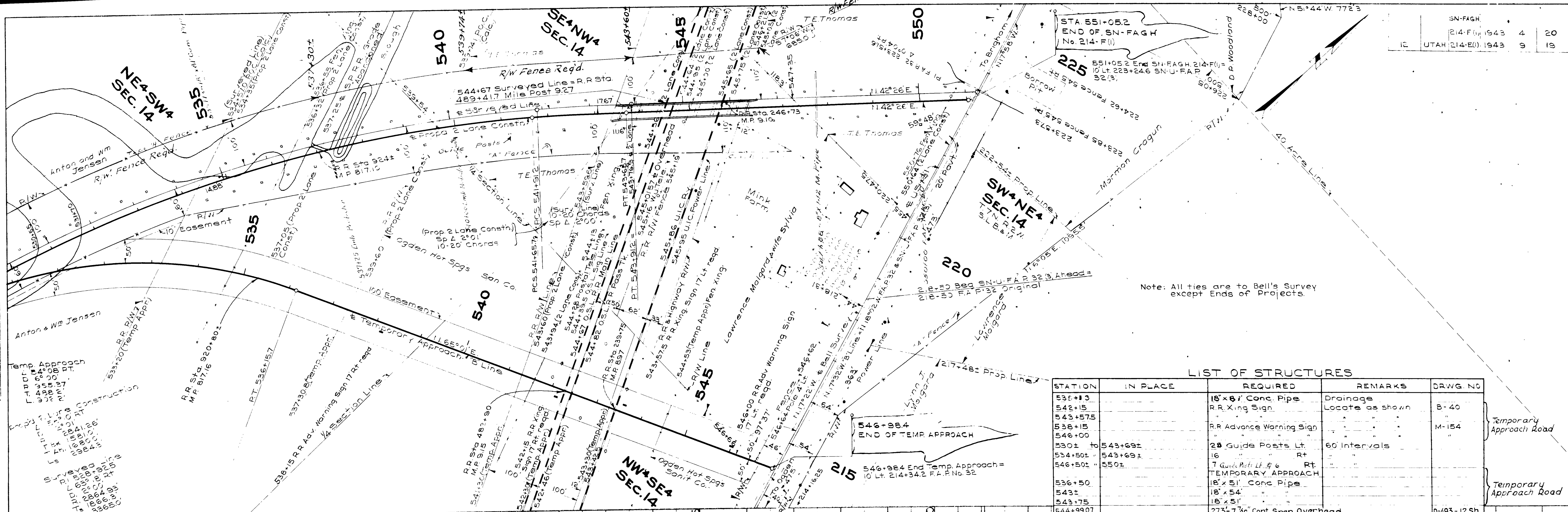
Enbankment
 Excavation
 Remarks NOTE: Remove existing pavement

Enbankment
 Excavation
 Remarks

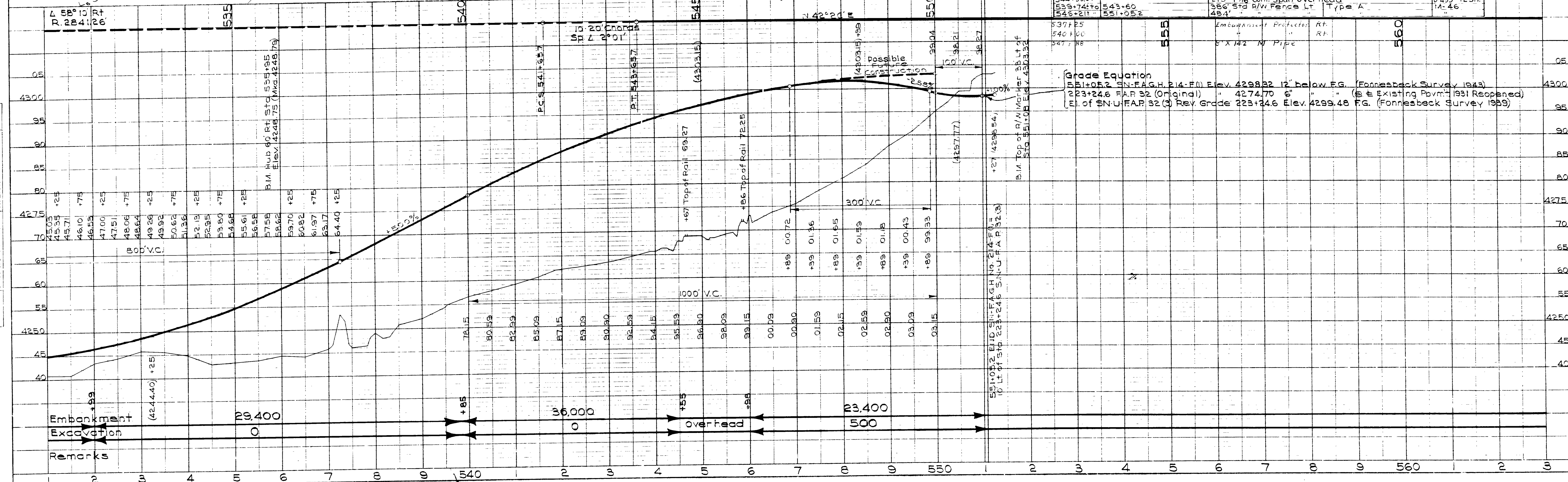
Grade Elevation
 @ Present Pavmt
 214+342 F.A.P. 32 1933 Reopened = 4255.48 6' below FG. +
 547+085 Temp. Approach 4283.40 6' below FG.

PLAN
 DRAWN BY C.M. Farnesbeck 1943
 CHECKED BY H.S. Petersen 1943
 DATE 5/16/43

PROFILE
 DRAWN BY C.M. Farnesbeck 1942
 CHECKED BY H.S. Petersen 1943
 DATE 5/16/43



STATION	IN PLACE	REQUIRED	REMARKS	DRWG. NO.
535+13		18" x 6' Conc. Pipe	Drainage	
542+15		RR Xing Sign	Locate as shown	B-40
543+57.5				
538+15		RR Advance Warning Sign		M-154
546+00				
530± to 543+69±		28 Guide Posts Lt.	60' Intervals	
534+50±		16 " " Rt.		
546+50±		7 Guide Posts Lt. & 6 " " Rt.		
536+50		TEMPORARY APPROACH		
543±		18" x 51' Conc. Pipe		
543+75		18" x 51' " "		
544+99.07		275'-7 1/2' Cont. Span Overhead		D-493-12 Sh.
539+74± to 543+60		386' Std R/W Fence Lt. Type A		M-46
546+21± to 551+05.2				
537+25		Embankment Protection: Rt.		
540+00		" " " " Lt.		
547+78		8" x 142' M. Pipe		

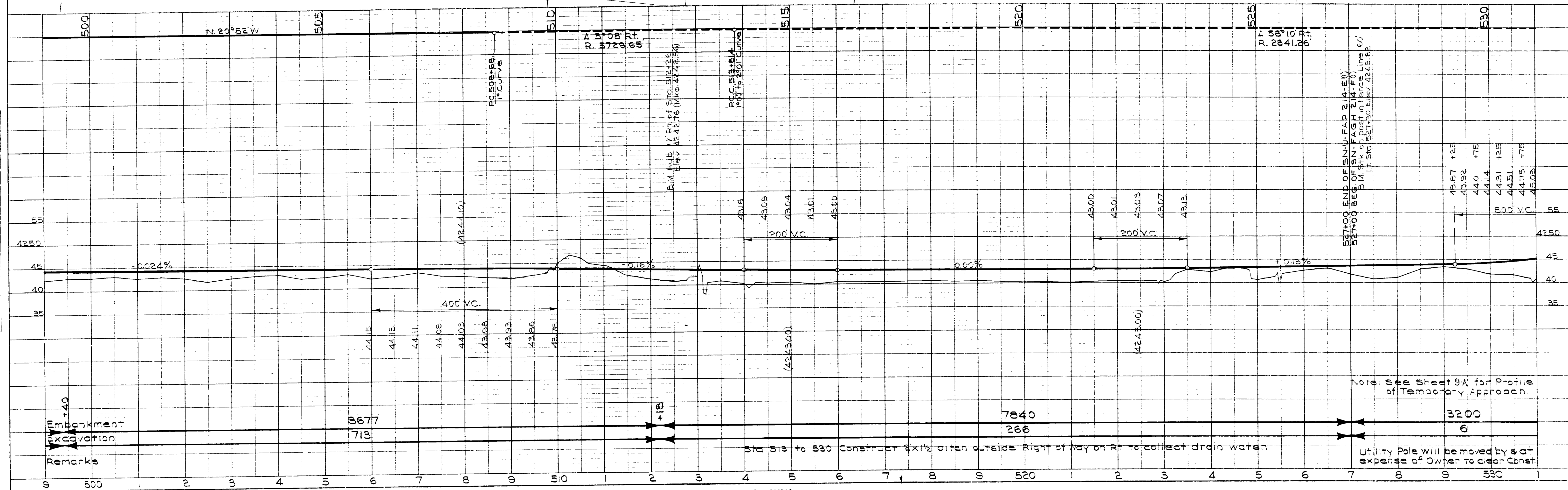
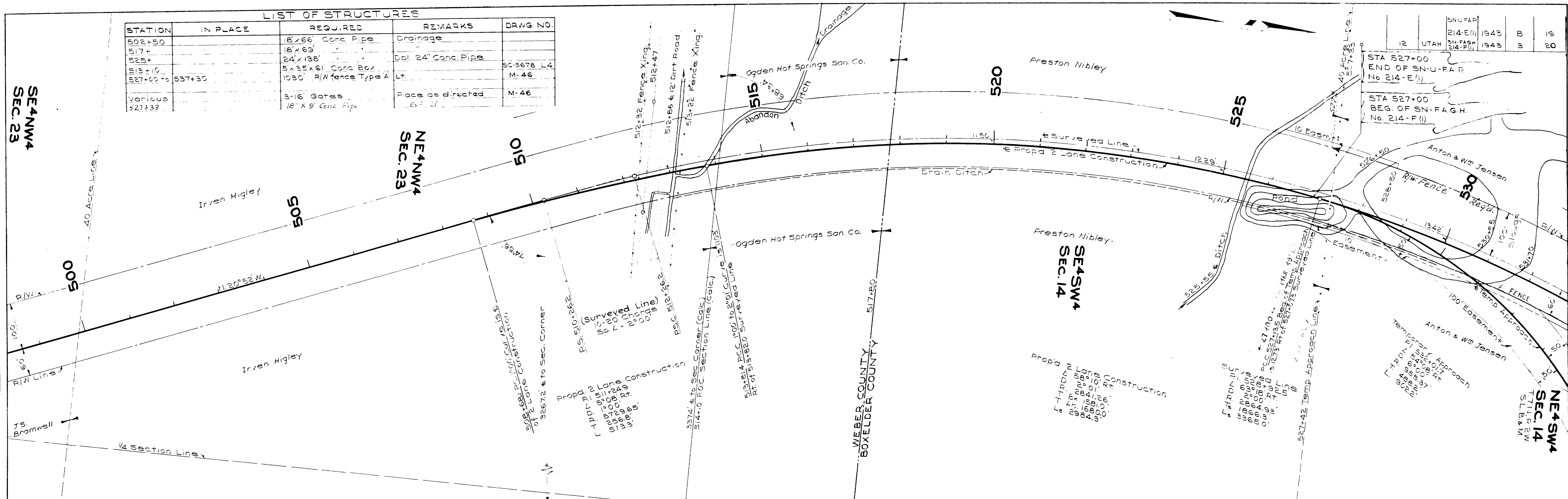


PLAN
 DRAWN BY: C.M. Farnesbeck
 DATE: 1943
 CHECKED BY: H.S. Wright
 DATE: 1943
 PROJECT NO: 5176
 SHEET NO: 1

PROFILE
 DRAWN BY: C.M. Farnesbeck
 DATE: 1942
 CHECKED BY: H.S. Wright
 DATE: 1943
 PROJECT NO: 5176
 SHEET NO: 1

STATION	IN PLACE	REQUIRED	REMARKS	DRWG. NO.
502+50		18" x 66' Conc. Pipe	Drainage	
517+		18" x 66'		
525+		24" x 138'	Op. 24" Conc. Pipe	
513+10		5" x 35' x 61' Conc. Box		SC-5678 L4
527+00 to 537+30		1030' R/W fence Type A	Lt.	M-46
Various		3-16' Gates	Place as directed	M-46
527+33		18" x 9' Conc. Pipe		

STATION	IN PLACE	REQUIRED	REMARKS	DRWG. NO.
12	UTAH	SN-U-FAP 214-E(1)	1943	19
		SN-FAGH 214-F(1)	1943	20



Note: See sheet 9A for Profile of Temporary Approach.

Utility Pole will be moved by & at expense of Owner to clear Const.

**STATE ROAD
CONSTRUCTION
NEXT 10 MILES**

BLACK BORDER 1"
INSET 3/4"

NOTE:
MILEAGE INSERT SHALL BE MADE REMOVABLE. SHOW MILEAGE TO NEAREST MILE ONLY.

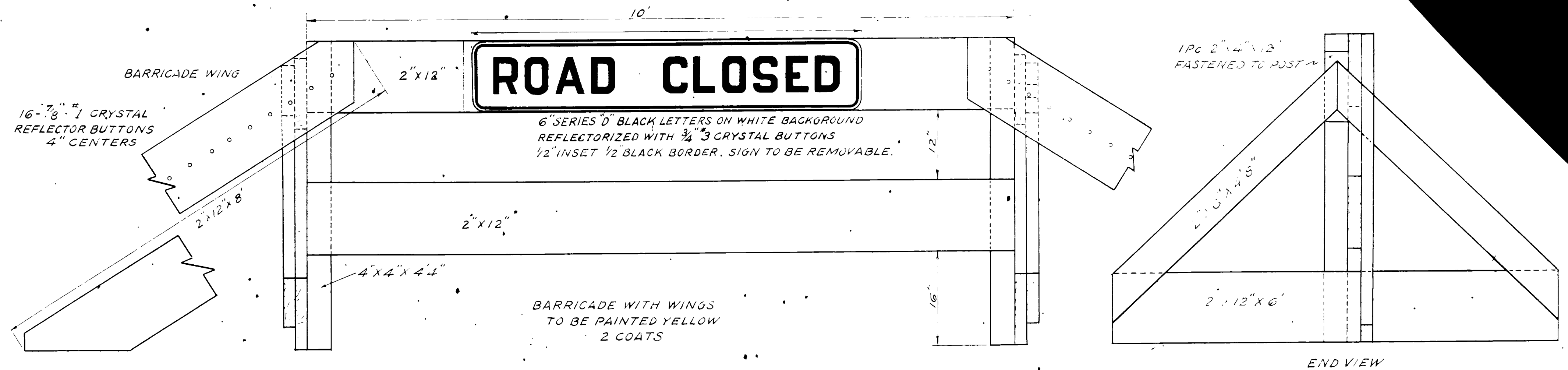
WHITE BACKGROUND WITH BLACK 10 & 12 SERIES C LETTERS

**CONSTRUCTION
ZONE**

WHITE BACKGROUND WITH BLACK B SERIES C LETTERS REFLECTORIZED WITH 7/8" CRYSTAL BUTTONS 1/2" INSET 1" BLACK BORDER

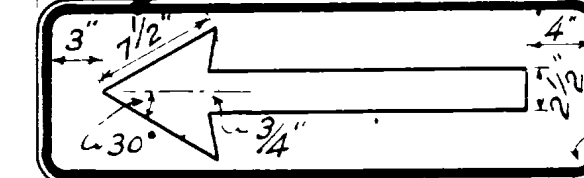
**END OF
CONSTRUCTION**

WHITE BACKGROUND WITH BLACK B SERIES D LETTERS 3/4" INSET 3/4" BLACK BORDER

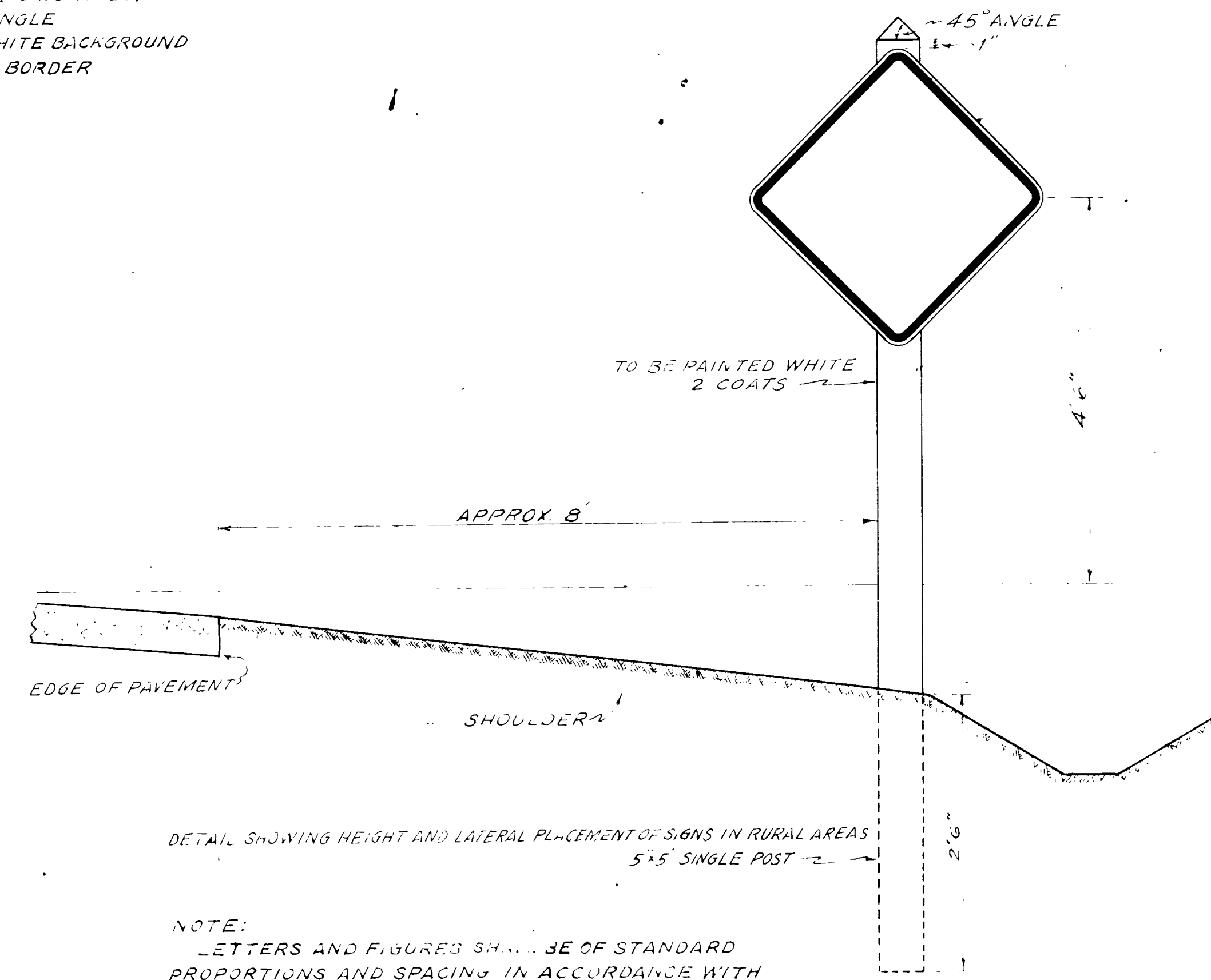
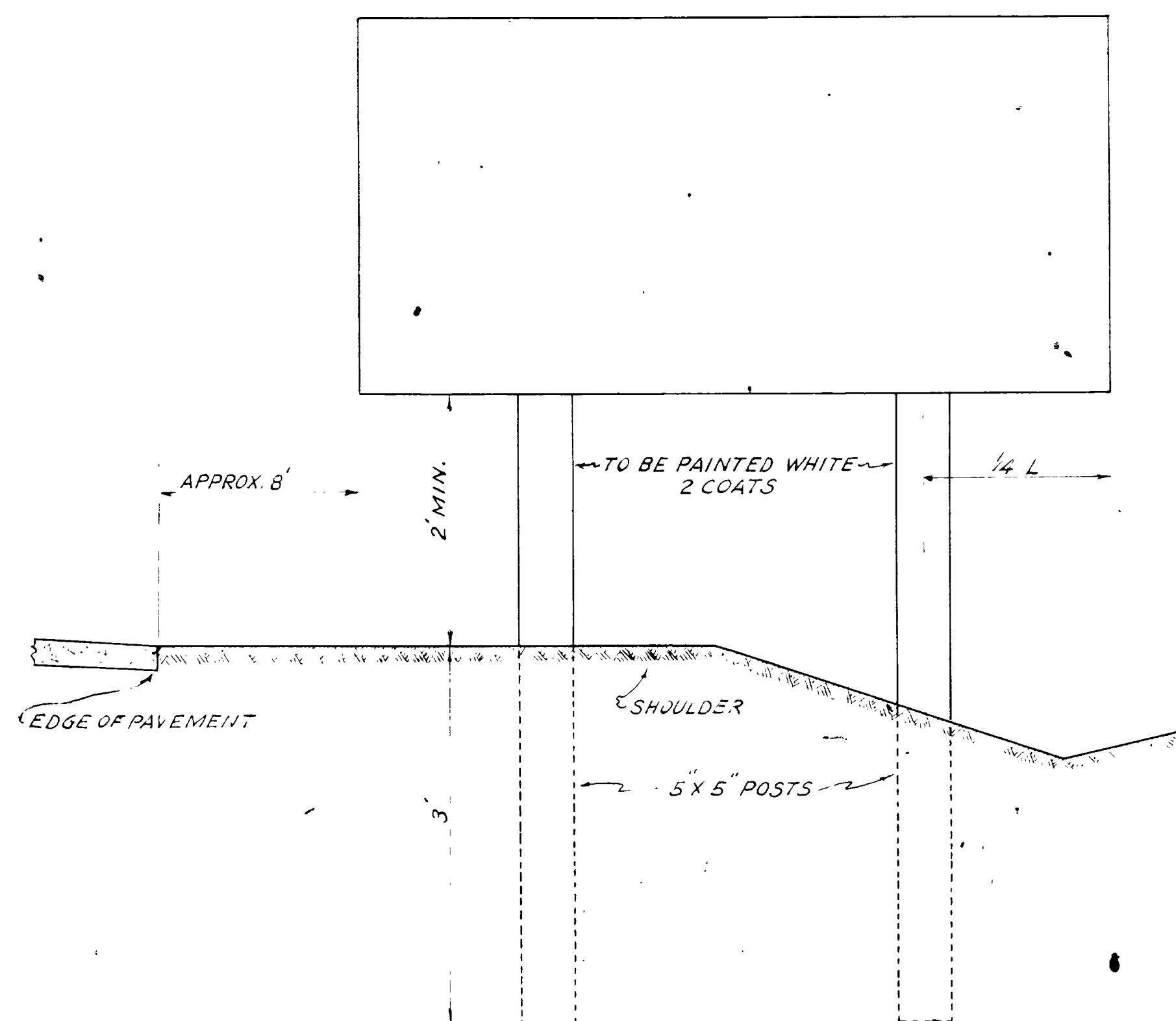


DETOUR

6" SERIES D BLACK LETTERS REFLECTORIZED 3/4" CRYSTAL BUTTONS 1/2" INSET 1/2" BLACK BORDER



REFLECTORIZED 7/8" CRYSTAL BUTTONS SIDES OF HEAD 30° ANGLE BLACK ARROW ON WHITE BACKGROUND 1/2" INSET 1/2" BLACK BORDER



DETAIL SHOWING HEIGHT AND LATERAL PLACEMENT OF SIGNS IN RURAL AREAS 5' x 5' SINGLE POST

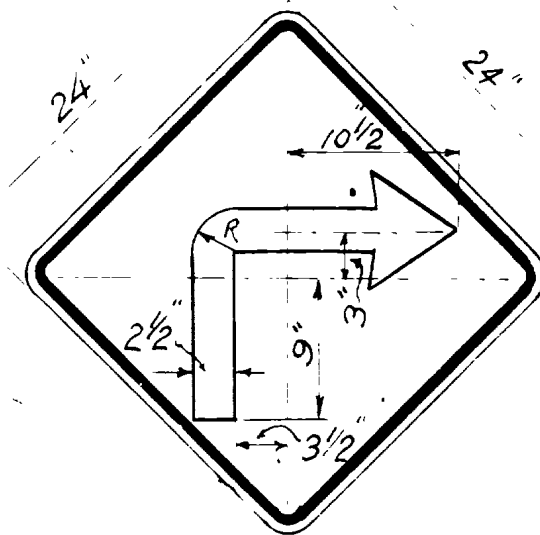
NOTE:
LETTERS AND FIGURES SHALL BE OF STANDARD PROPORTIONS AND SPACING IN ACCORDANCE WITH INDICATED ALPHABETS USED BY THE U.S. PUBLIC ROADS ADMINISTRATION.

UTAH STATE ROAD COMMISSION
W. L. ANDERSON DESIGN ENGINEER

TYPE
STANDARD ROAD SIGNS
METHOD OF INSTALLATION
SCALE 1/4"

DRAWN BY CSH

DWG. NO. B-95



YELLOW BACKGROUND WITH BLACK ARROW REFLECTORIZED WITH 3/4" #3 CRYSTAL BUTTONS 1/8" CENTER TO CENTER 1/2" INSET 3/4" BLACK BORDER



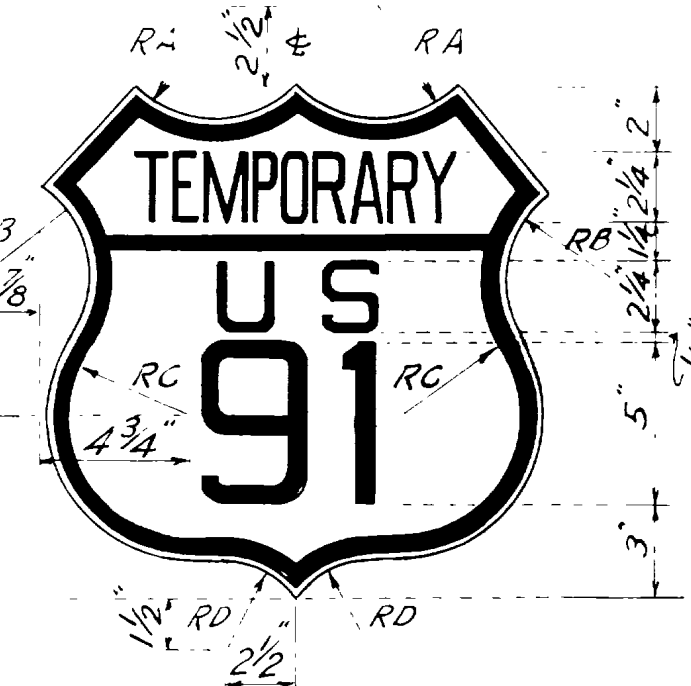
YELLOW BACKGROUND WITH BLACK 8" SERIES C LETTERS REFLECTORIZED WITH 3/4" #3 CRYSTAL BUTTONS 1/2" INSET 3/4" BLACK BORDER



YELLOW BACKGROUND WITH BLACK 6" SERIES C LETTERS REFLECTORIZED WITH 3/4" #3 CRYSTAL BUTTONS 1/2" INSET 3/4" BLACK BORDER

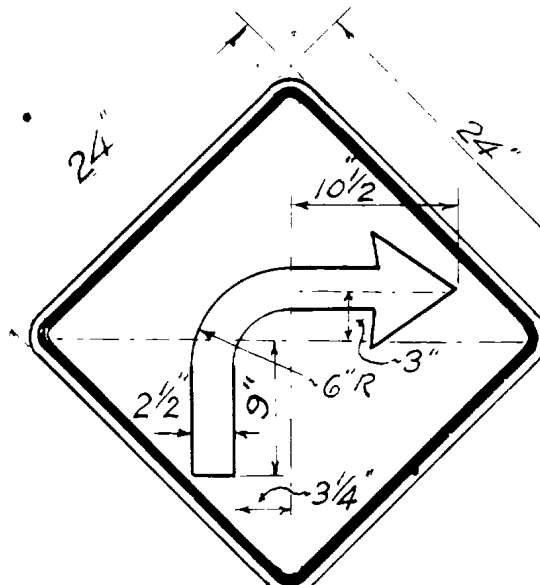


YELLOW BACKGROUND WITH BLACK 6" SERIES C LETTERS REFLECTORIZED WITH 3/4" #3 CRYSTAL BUTTONS 1/2" INSET 3/4" BLACK BORDER



SCALE 2"=1' WHITE BACKGROUND WITH BLACK LETTERS AND NUMERALS THE SIZE SHOWN 1/4" INSET 1/2" BLACK BORDER

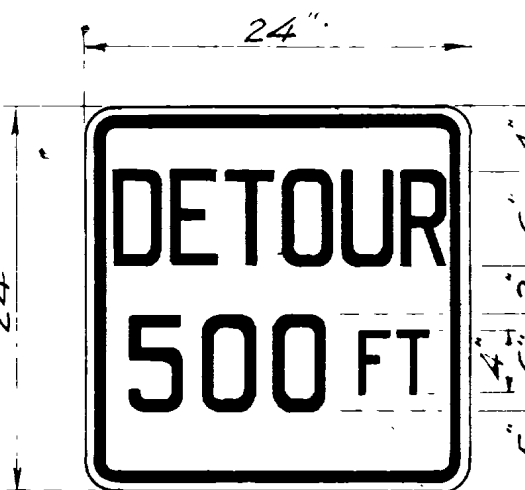
RADIUS CHART	
RA	3/4"
RB	3/8"
RC	1/2"
RD	2/32"



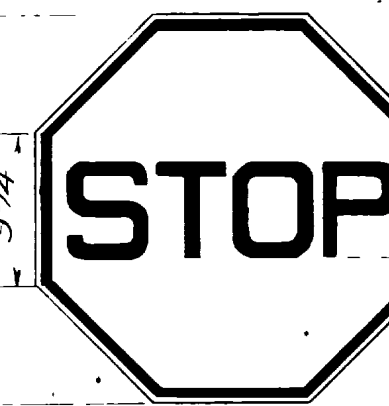
YELLOW BACKGROUND WITH BLACK ARROW REFLECTORIZED WITH 3/4" #3 CRYSTAL BUTTONS 1/8" CENTER TO CENTER 1/2" INSET 3/4" BLACK BORDER



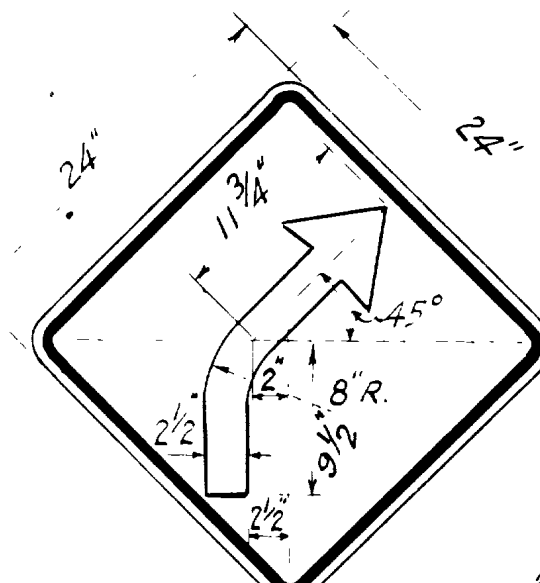
YELLOW BACKGROUND WITH BLACK 8" SERIES D LETTERS REFLECTORIZED WITH 3/4" #3 CRYSTAL BUTTONS 1/2" INSET 3/4" BLACK BORDER



YELLOW BACKGROUND WITH BLACK 6" SERIES C AND 4" SERIES C LETTERS REFLECTORIZED WITH 3/4" #3 CRYSTAL BUTTONS 1/2" INSET 3/4" BLACK BORDER



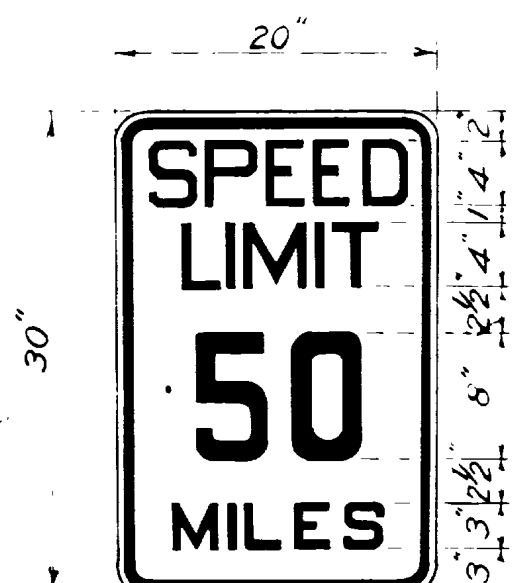
YELLOW BACKGROUND WITH BLACK 6" SERIES C LETTERS REFLECTORIZED WITH 3/4" #3 CRYSTAL BUTTONS 1/2" INSET 3/4" BLACK BORDER



YELLOW BACKGROUND WITH BLACK ARROW REFLECTORIZED WITH 3/4" #3 CRYSTAL BUTTONS 1/8" CENTER TO CENTER 1/2" INSET 3/4" BLACK BORDER



YELLOW BACKGROUND WITH BLACK 6" SERIES C LETTERS REFLECTORIZED WITH 3/4" #3 CRYSTAL BUTTONS 1/2" INSET 3/4" BLACK BORDER



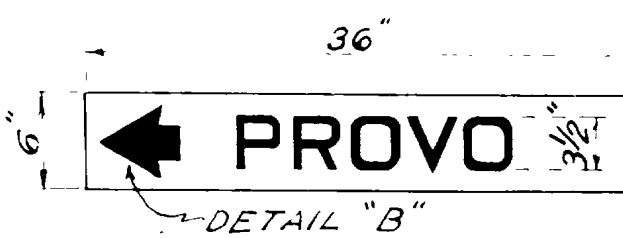
WHITE BACKGROUND WITH BLACK 4" AND 3" SERIES C LETTERS NUMERALS TO BE 8" SERIES C AND REFLECTORIZED WITH 3/4" #3 CRYSTAL BUTTONS 1/2" INSET 1/2" BLACK BORDER



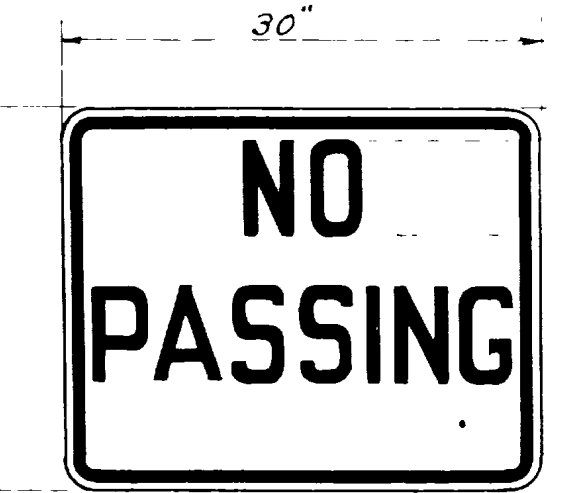
WHITE BACKGROUND WITH BLACK 6" SERIES C LETTERS REFLECTORIZED WITH 3/4" #3 CRYSTAL BUTTONS 1/2" INSET 1/2" BLACK BORDER



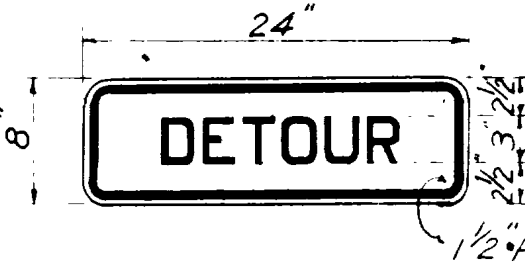
WHITE BACKGROUND WITH BLACK LETTER AND NUMERALS 1/2" INSET



PLAIN WHITE SIGN WITH BLACK 3/2" LETTERS



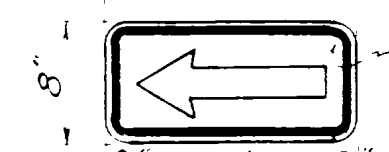
WHITE BACKGROUND WITH BLACK LETTERS 6" SERIES C REFLECTORIZED WITH 3/4" #3 CRYSTAL BUTTONS 1/2" INSET 3/4" BLACK BORDER



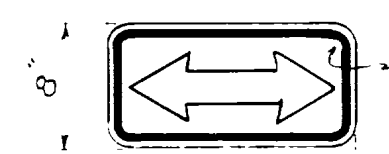
WHITE BACKGROUND WITH BLACK 3" LETTERS 1/2" INSET 1/2" BORDER



WHITE BACKGROUND WITH BLACK 3" LETTERS 1/2" INSET 1/2" BLACK BORDER

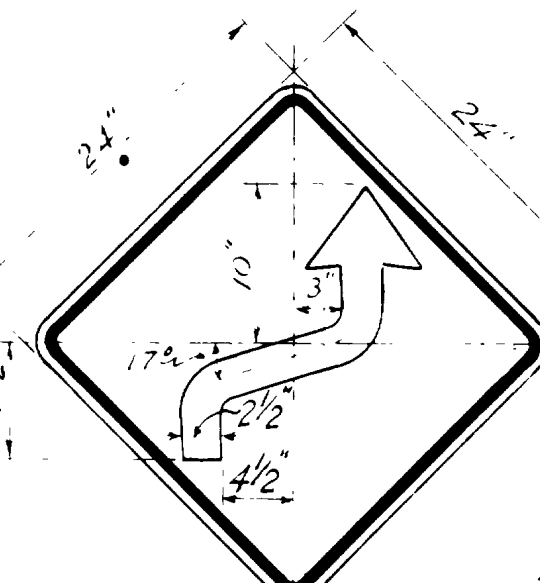


1/2" RADIUS

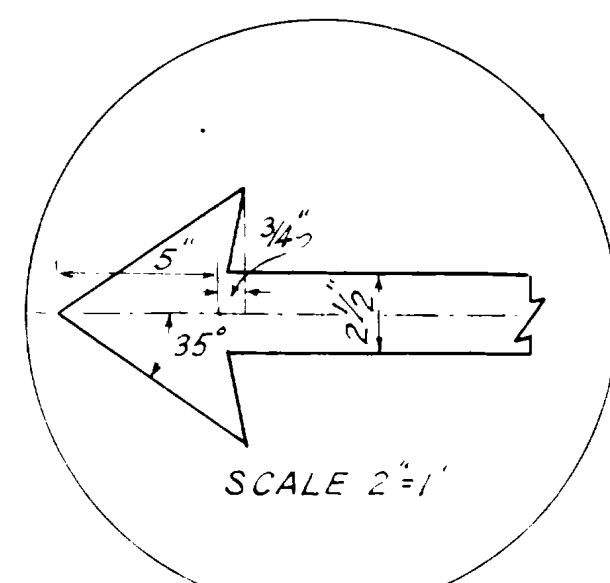


1/2" RADIUS

WHITE BACKGROUND WITH BLACK ARROWS DETAIL B DESIGN 1/2" INSET 1/2" BLACK BORDER

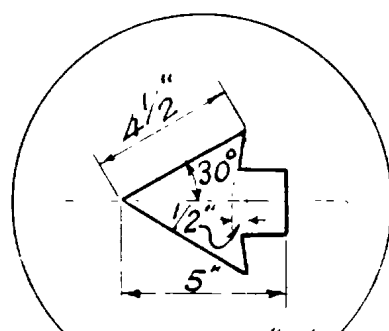


YELLOW BACKGROUND WITH BLACK ARROW REFLECTORIZED WITH 3/4" #3 CRYSTAL BUTTONS 1/8" CENTER TO CENTER 1/2" INSET 3/4" BLACK BORDER



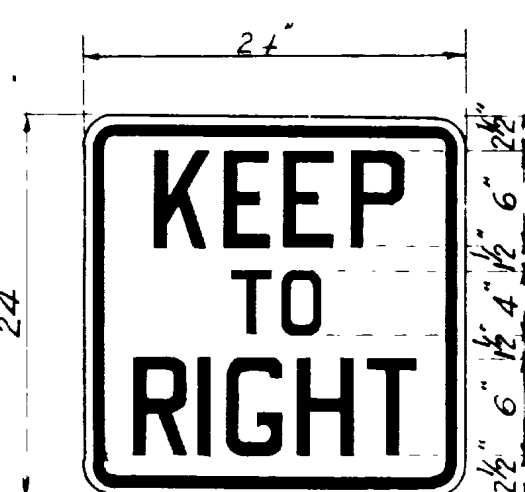
SCALE 2"=1'

ARROW HEAD DETAIL FOR CURVE SIGNS



SCALE 2"=1'

DETAIL "B" FOR DIRECTIONAL ARROWS



WHITE BACKGROUND WITH BLACK 6" AND 4" SERIES C LETTERS REFLECTORIZED WITH 3/4" #3 CRYSTAL BUTTONS 1/2" INSET 3/4" BLACK BORDER

SCALE 1"=1'

GENERAL NOTES

- WHERE CONDITIONS REQUIRE GREATER VISIBILITY NECESSITATING A LARGER SIGN, THE OUTSIDE DIMENSIONS SHALL BE INCREASED IN MULTIPLES OF 6 INCHES
- SPECIAL SIGNS SHALL BE USED WHERE NECESSARY FOR SAFETY.

FED. ROAD DIST. NO.	STATE	S.N.	F.A.G.H. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
12	UTAH	214 F				

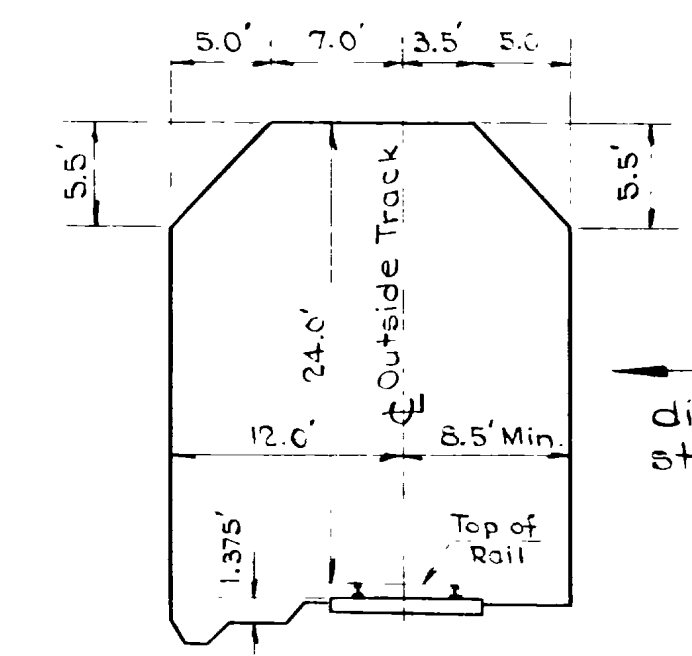
GENERAL NOTES

Materials, Construction and Workmanship shall be in accordance with State Standard Specifications for Road and Bridge Construction, edition of 1939, and Supplements thereto.

DESIGN DATA

A.A.S.H.O. Specifications of 1941
H-15 Loading, $f_c = 1000 \text{ #/sq. in.}$, $f_s = 18,000 \text{ #/sq. in.}$, $n = 10$

Note: Survey Sta. 544+67 = R.R. Sta. 489+41.7 Mile Post 9.27



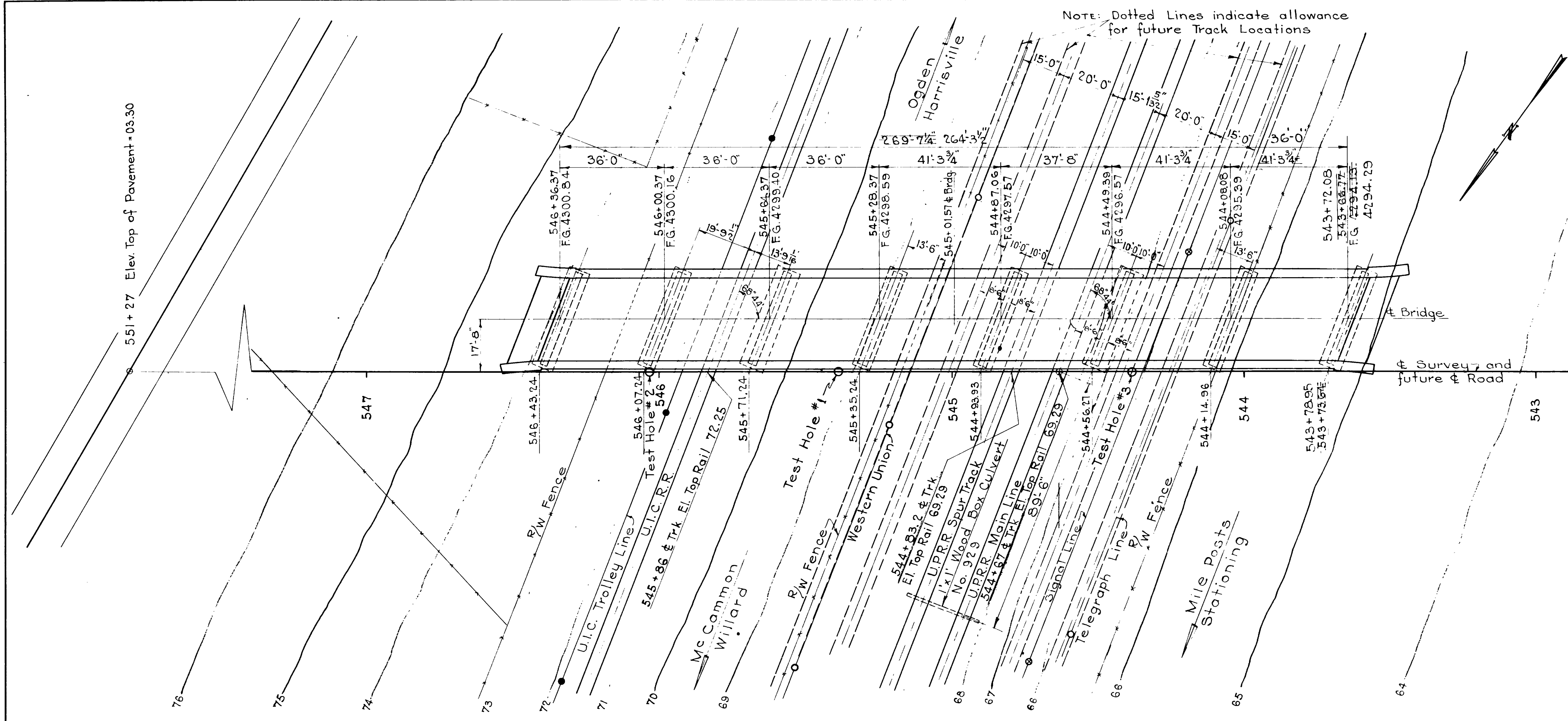
Note: Clearance diagram used for this structure.

CLEARANCE DIAGRAM

Taken from Union Pacific
Drg. No. 57137
Sc. 1" = 10'

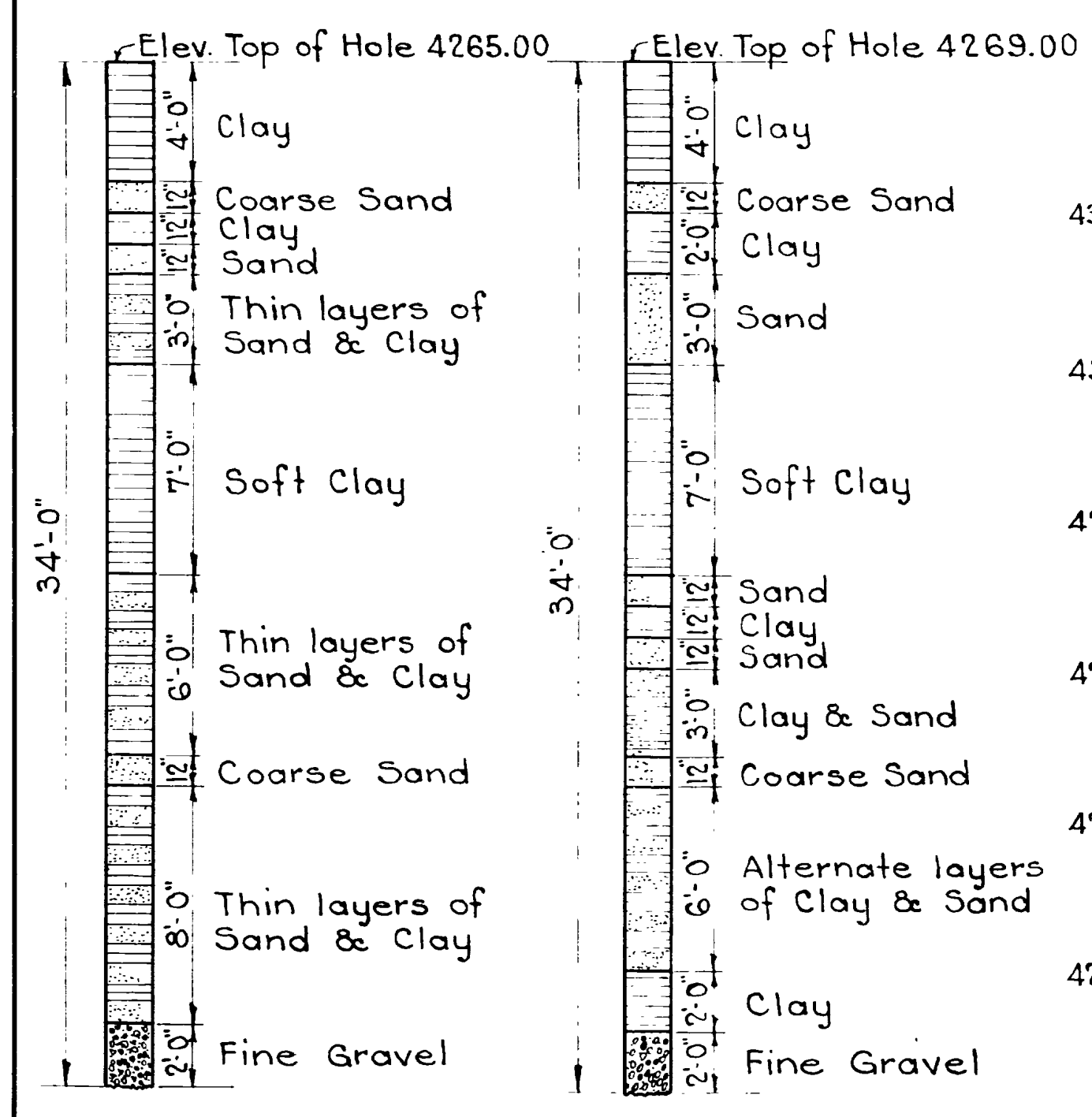
No. 1 B.E.

REVISIONS	DATE	BY	REASON

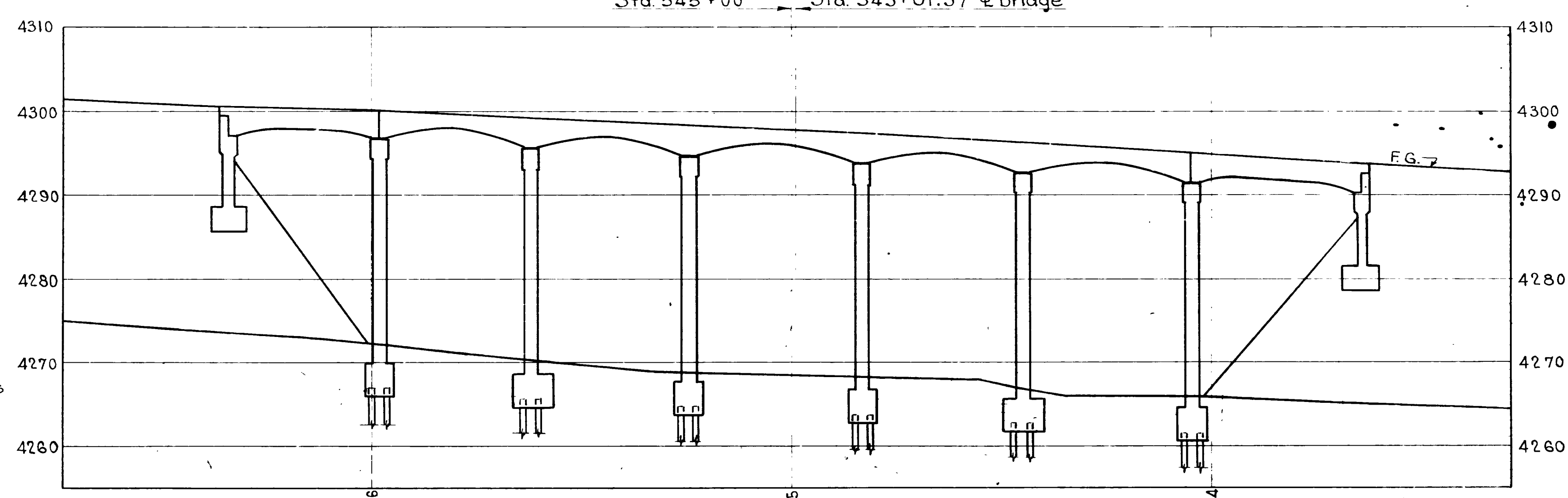


PLAN
1" = 20'

500' V.C. 500' V.C.
Sta. 545+00 Sta. 545+01.57 & Bridge

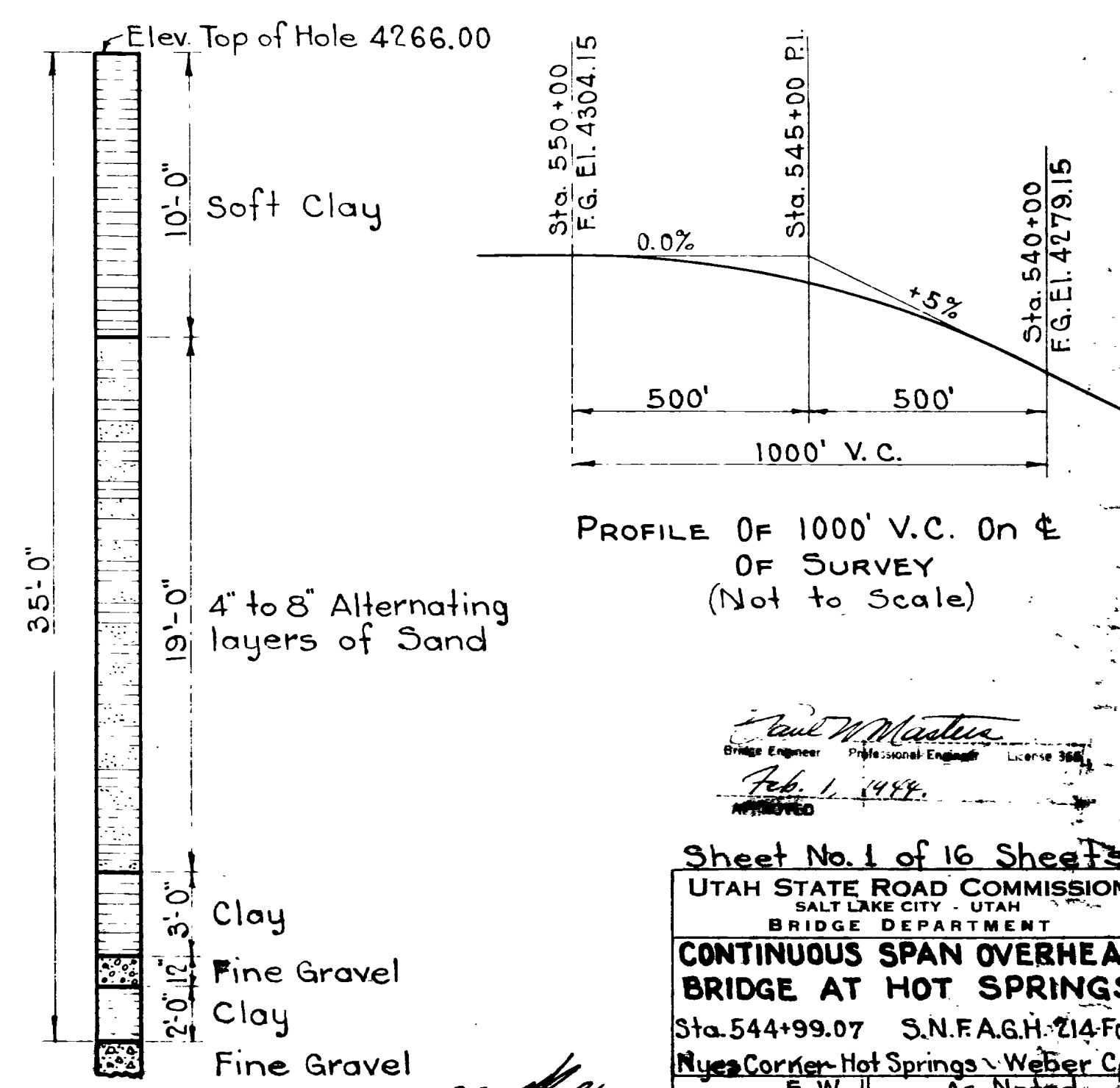


TEST HOLE No. 1 TEST HOLE No. 2



PROFILE ALONG & OF ROAD

SCALE: HORIZ. 1" = 20'
VERT. 1" = 10'



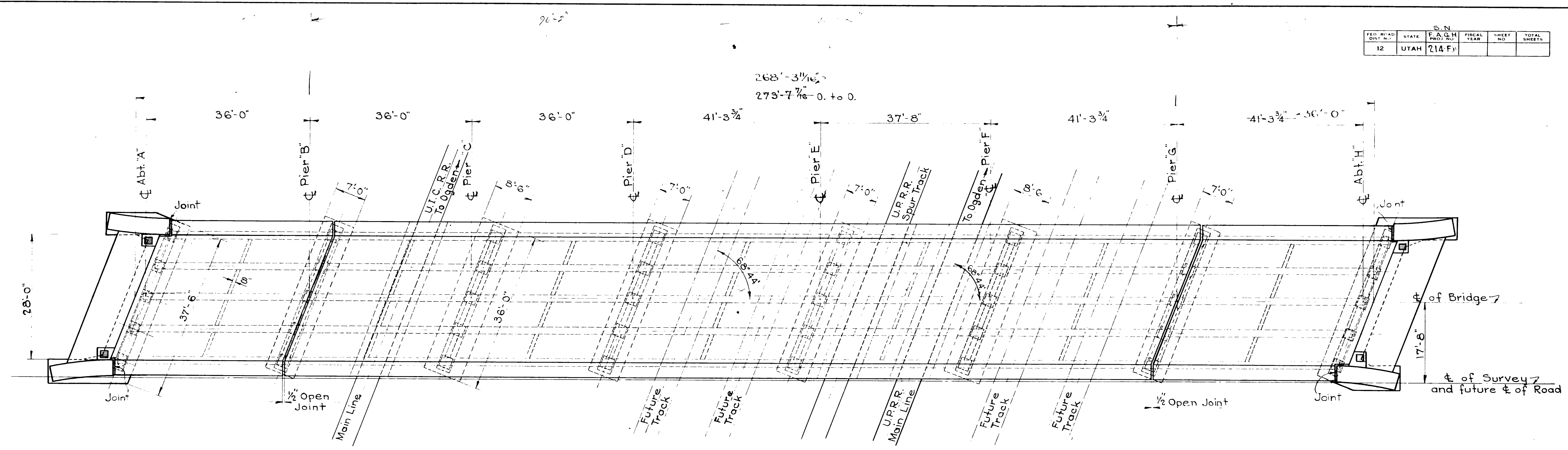
TEST HOLE No. 3

PROFILE OF 1000' V.C. ON & OF SURVEY (Not to Scale)

Paul W. Minter
Chief Engineer Professional Engineer License 368
Feb. 1, 1948

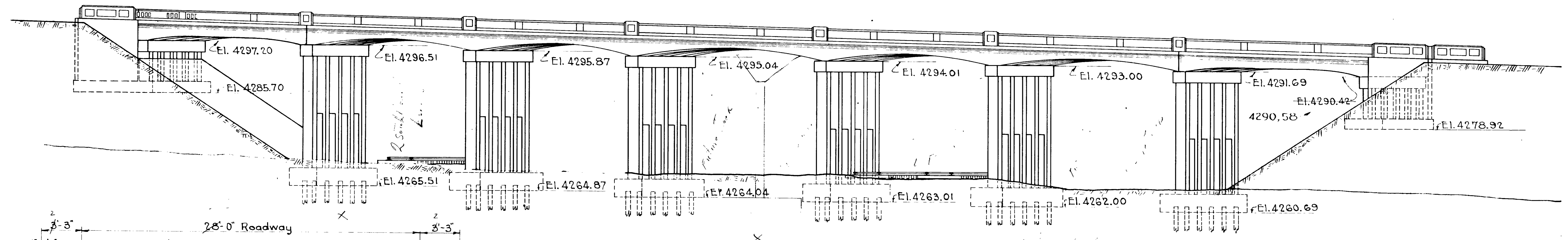
Sheet No. 1 of 16 Sheets
UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT
CONTINUOUS SPAN OVERHEAD BRIDGE AT HOT SPRINGS
Sta. 544+99.07 S.N.F.A.G.H. 214 F
Nye's Corner Hot Springs - Weber Co.
DESIGNED BY E. W. SCALE As Noted
DRAWN BY D.M.S. ISSUED
CHECKED BY APPROVED
EXAMINED BY
BR. NO. 2023-1-3 DSG. NO. D-493

FED. ROAD DIST. NO.	STATE	S.N.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
12	UTAH	214-F			

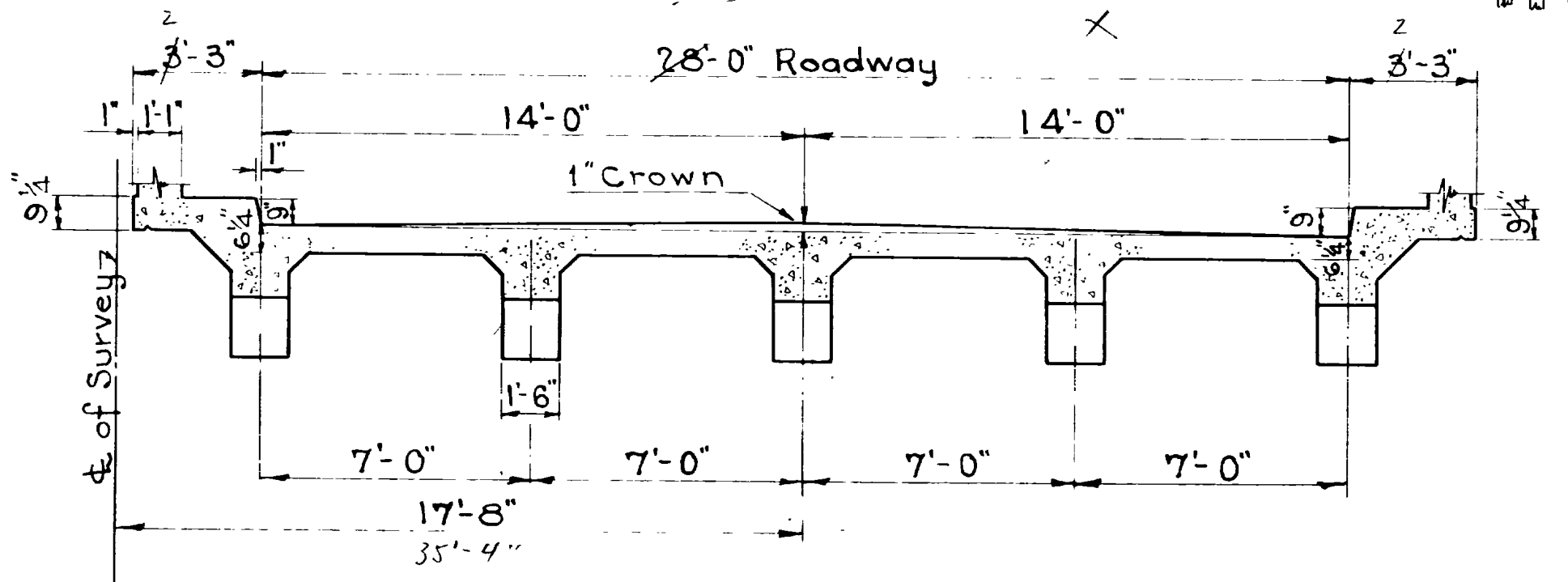


PLAN

NO.	DATE	BY	REVISION
1	4-28-44	E.W.	5-16-45 R.M.E.
2	6-1-44	E.W.	
3	8-28-48	E.W.	



ELEVATION



TYPICAL SECTION THRU DECK
1/4" = 1'-0"

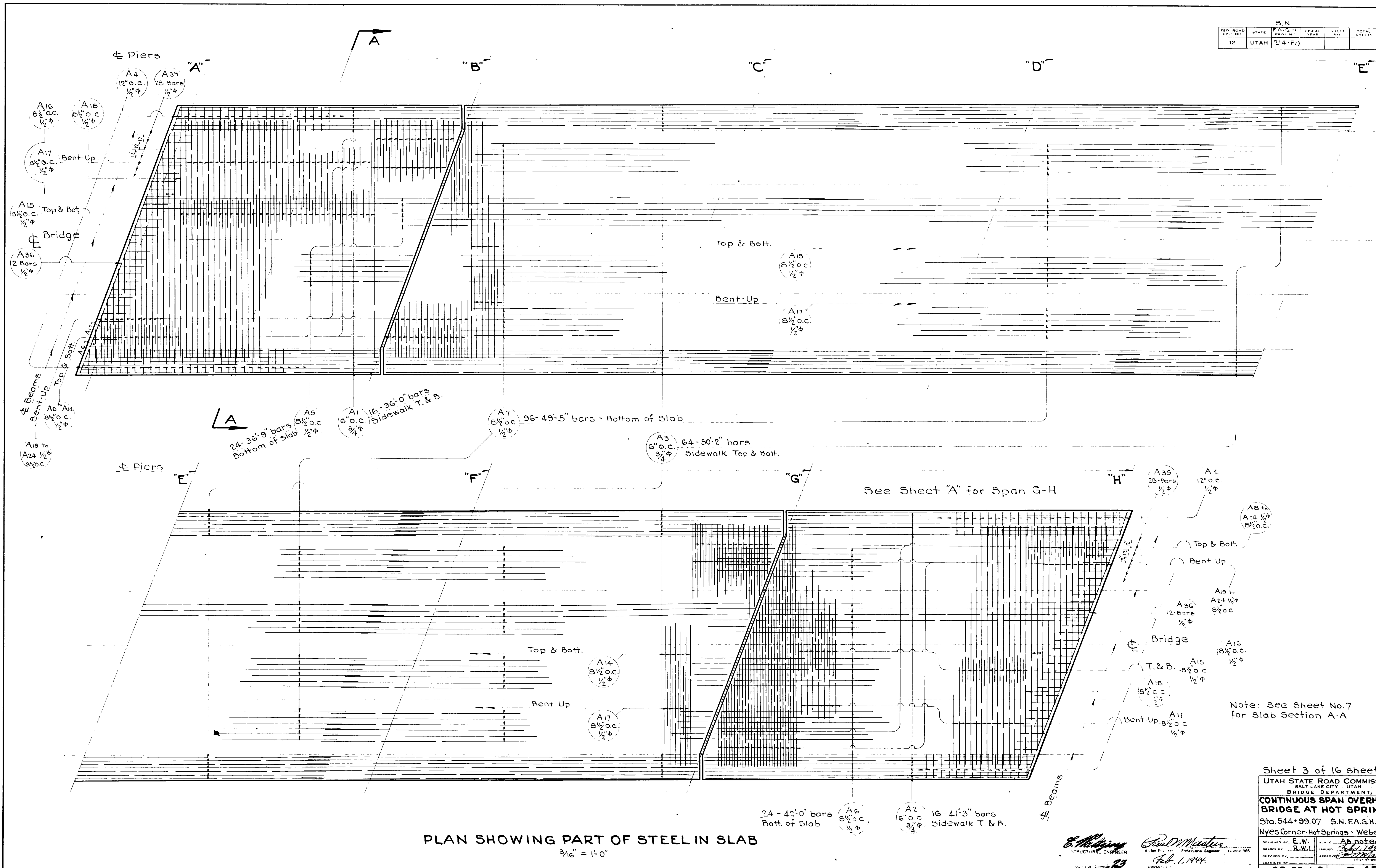
QUANTITIES

Excavation for Structure	1193	963	Cu.Yd.
Concrete Class A		+20+	
Concrete Handrail	586	596	Lin Ft
Reinforcing Steel	233036	234429	Lbs.
Structural Steel		3456	Lbs.
Piles (Treated) 120-12" Dia. x 35'-0"		4200	Lin Ft.
Drainage Pipes (6" C.G.M.P. Perf.)		92	" "
(6" C.G.M.P.)		288	" "
Reinforcing Steel (Approach Slab)		2328	Lbs.

Paul M. Weston
Professional Engineer
Feb. 1, 1944
APPROVED

Sheet No. 2 of 16 Sheets
UTAH STATE ROAD COMMISSION
SALT LAKE CITY - UTAH
BRIDGE DEPARTMENT
**CONTINUOUS SPAN OVERHEAD
BRIDGE AT HOT SPRINGS**
Sta. 544+99.07 S.N. F.A.G.H. 214-F
Nyes Corner - Hot Springs - Weber Co.
DESIGNED BY: E.W.
DRAWN BY: E.W.
CHECKED BY: *Paul M. Weston*
EXAMINED BY: *Paul M. Weston*
BR. NO. 29-23-48 DRG. NO. D-493

S.N.				
FED. ROAD DIST. NO.	STATE	F.A.G.H. PROJ. NO.	FISCAL YEAR	TOTAL SHEETS
12	UTAH	214-F-0		



REVISIONS	
NO.	DATE

A5 24-36'-9" bars 8 1/2" o.c. Bottom of Slab
 A1 16-36'-0" bars 3/4" Sidewalk T. & B.
 A7 96-49'-5" bars 1/2" Bottom of Slab
 A3 64-50'-2" bars 3/4" Sidewalk Top & Bott.

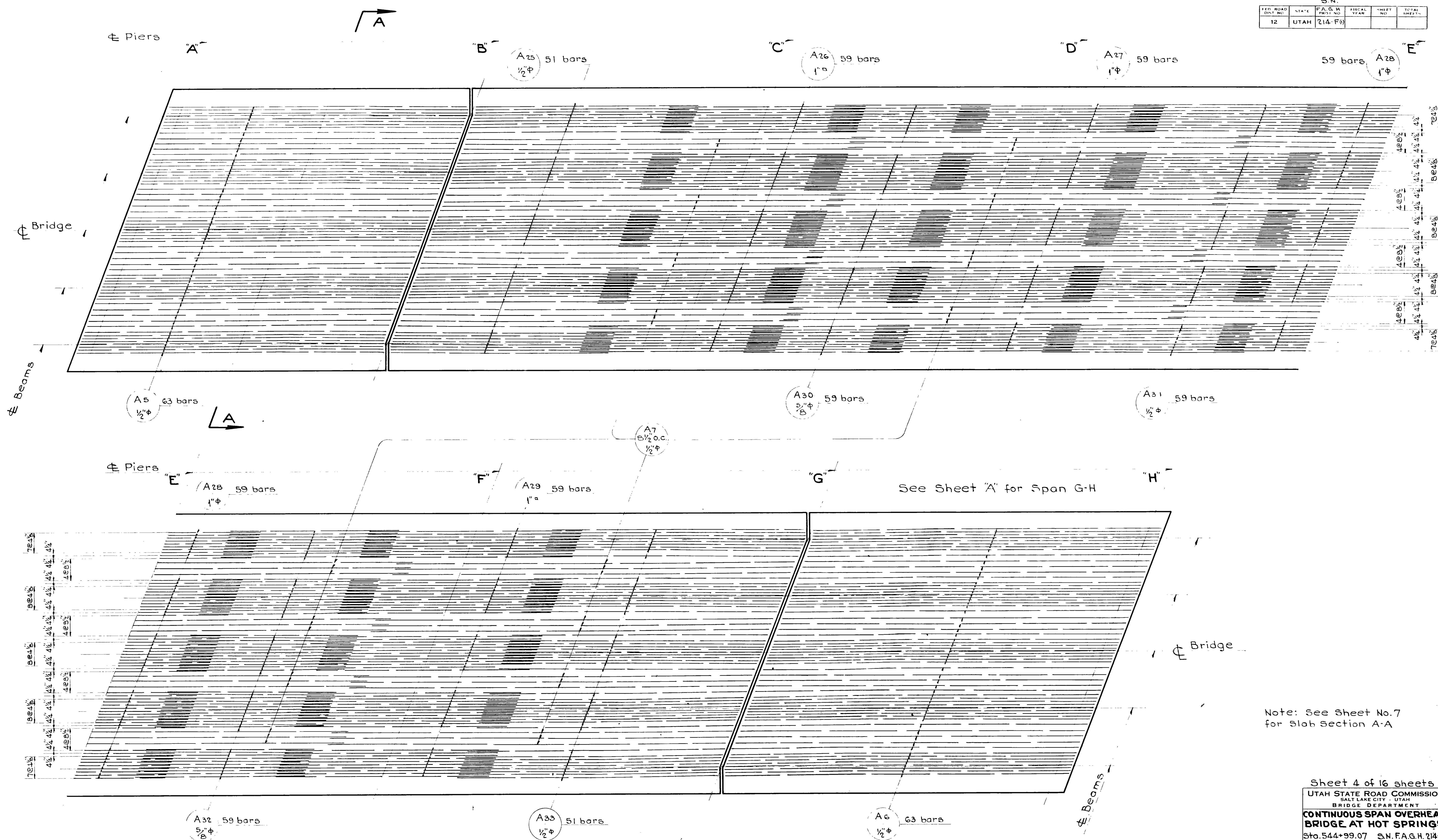
See Sheet "A" for Span G-H

Note: See Sheet No. 7 for Slab Section A-A

PLAN SHOWING PART OF STEEL IN SLAB
 3/16" = 1'-0"

Sheet 3 of 16 sheets
 UTAH STATE ROAD COMMISSION
 SALT LAKE CITY - UTAH
 BRIDGE DEPARTMENT
**CONTINUOUS SPAN OVERHEAD
 BRIDGE AT HOT SPRINGS**
 Sta. 544+99.07 S.N. F.A.G.H. 214-F-0
 Nyes Corner - Hot Springs - Weber Co.
 DESIGNED BY: E.W. [Signature] SCALE: As noted
 DRAWN BY: R.W.I. ISSUED: Feb. 1, 1944
 CHECKED BY: [Signature] APPROVED: [Signature]
 EXAMINED BY: [Signature]
 BR NO. 29-25-1-3 ORG. NO. D-49

S.N.					
FED. ROAD DIST. NO.	STATE	F.A.G.H. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
12	UTAH	214-F(6)			



REVISIONS		
NO.	DATE	BY
1	5-27-44	E.W.
2	6-4-45	R.W.L.
3	1-24-46	E.W.
4	3-18-46	E.W.

PLAN SHOWING PART OF STEEL IN SLAB (TOP)
 $\frac{3}{16}'' = 1'-0''$

Note: See Sheet No. 7 for Slab Section A-A

Sheet 4 of 16 sheets

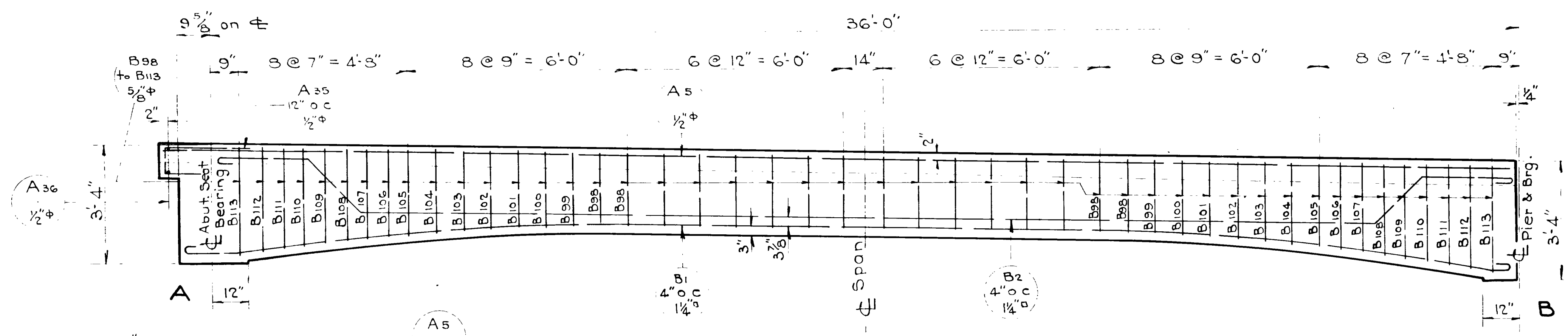
UTAH STATE ROAD COMMISSION
 SALT LAKE CITY - UTAH
 BRIDGE DEPARTMENT

CONTINUOUS SPAN OVERHEAD BRIDGE AT HOT SPRINGS
 Sta. 544+99.07 S.N. F.A.G.H. 214-F(6)
 Nyes Corner - Hot Springs - Weber Co.

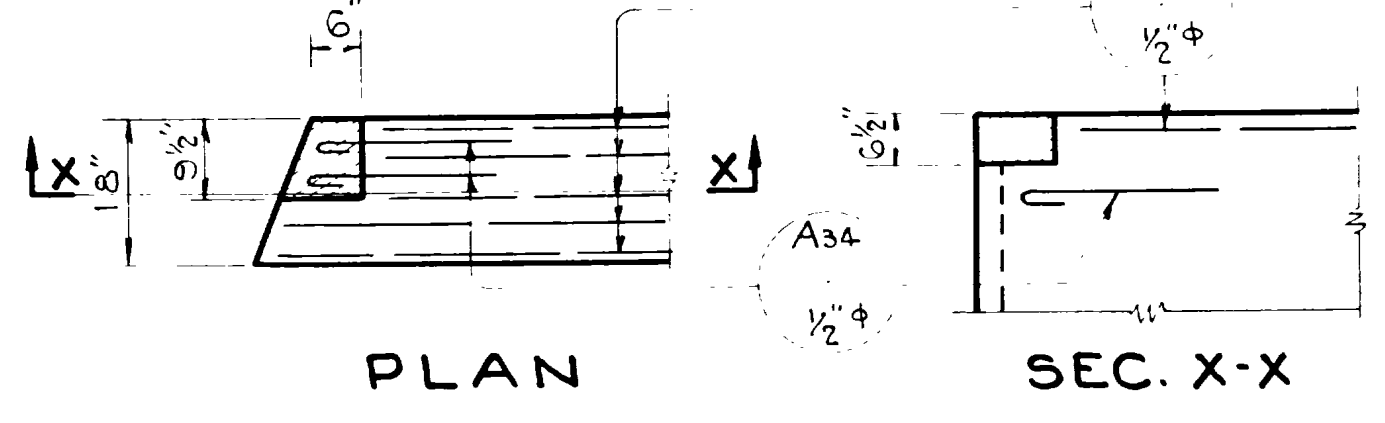
DESIGNED BY E.W. SCALE As noted
 DRAWN BY R.W.L. ISSUED Feb. 6, 1944
 CHECKED BY APPROVED
 EXAMINED BY

BR NO. 29-25-1-B Dwg NO. D-493

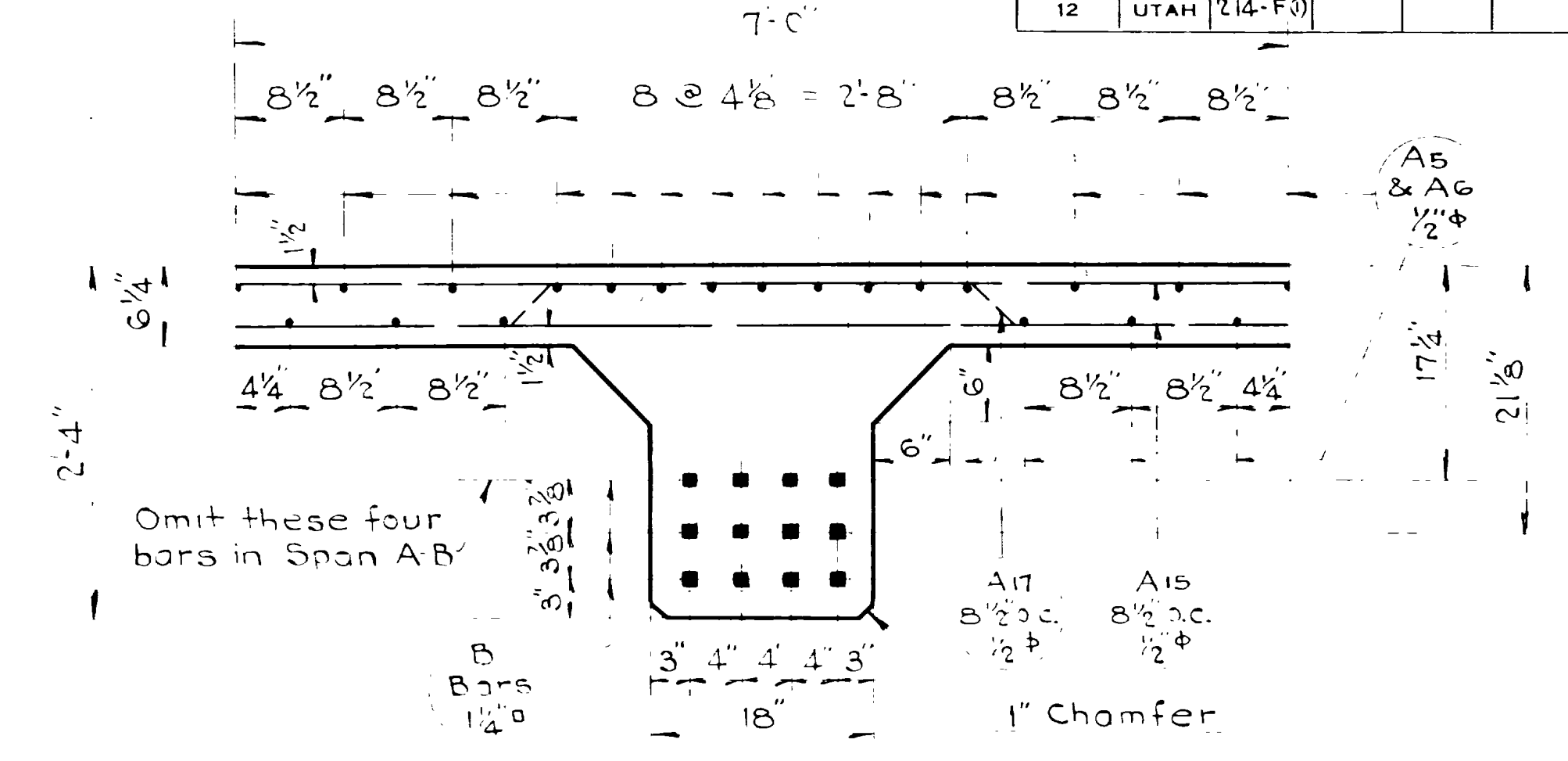
S.N.					
FED. ROAD DIST. NO.	STATE	F.A.G.H. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
12	UTAH	(214-F3)			



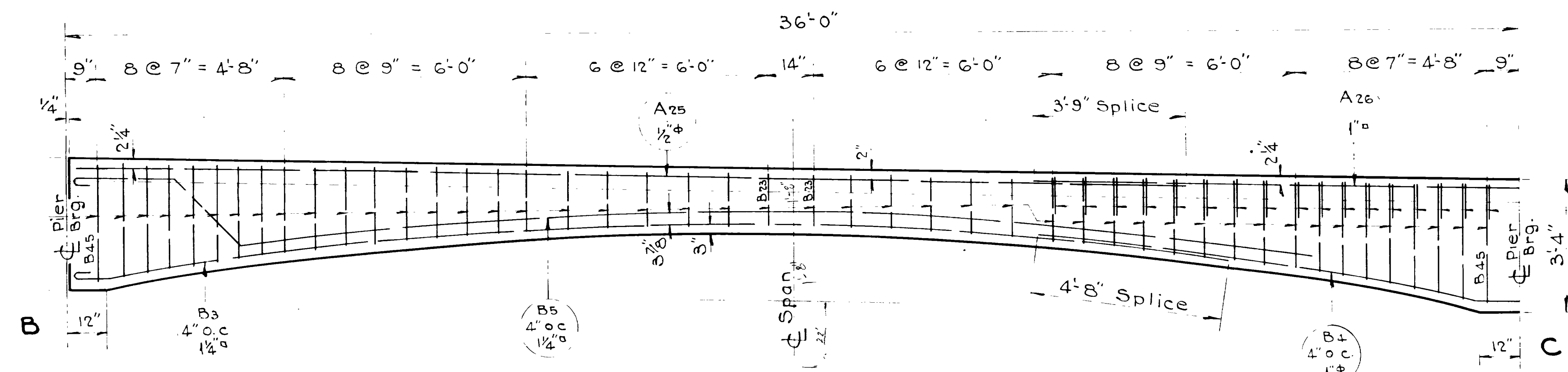
BEAM DETAILS - END SPAN A-B
1/2" = 1'-0"



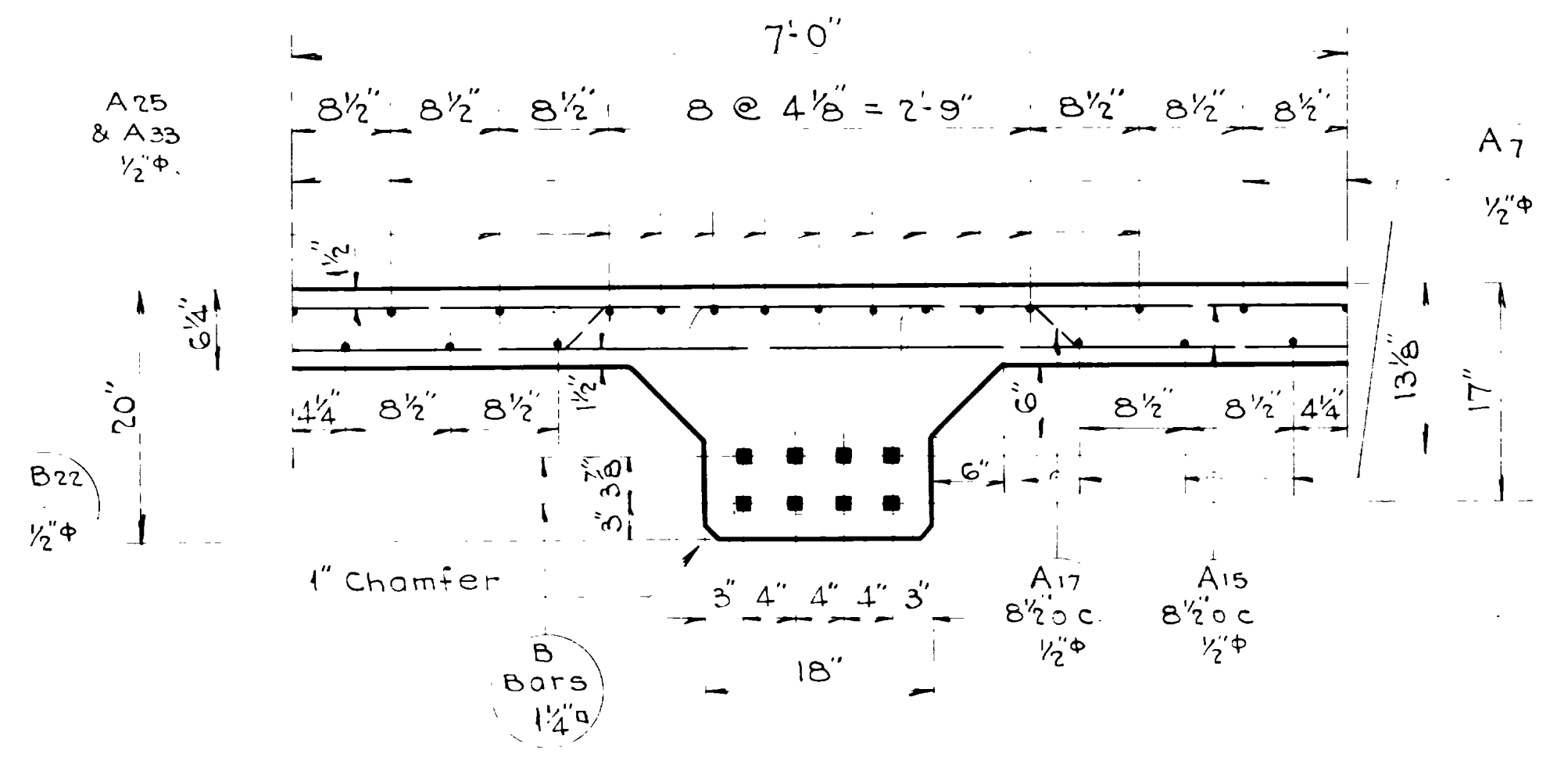
NOTCH DETAIL OF OUTS. BEAM AT ABUT. 'A'
(Left of Station 543+70.92)



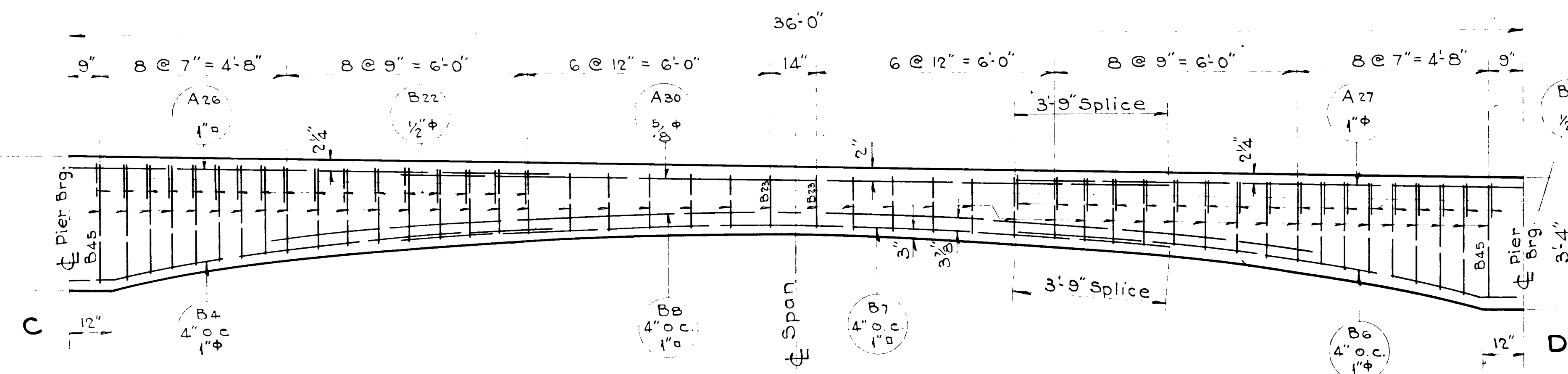
SECTION AT CROWN OF 3-INS. BEAMS FOR END SPANS A-B & G-H
1" = 1'-0"



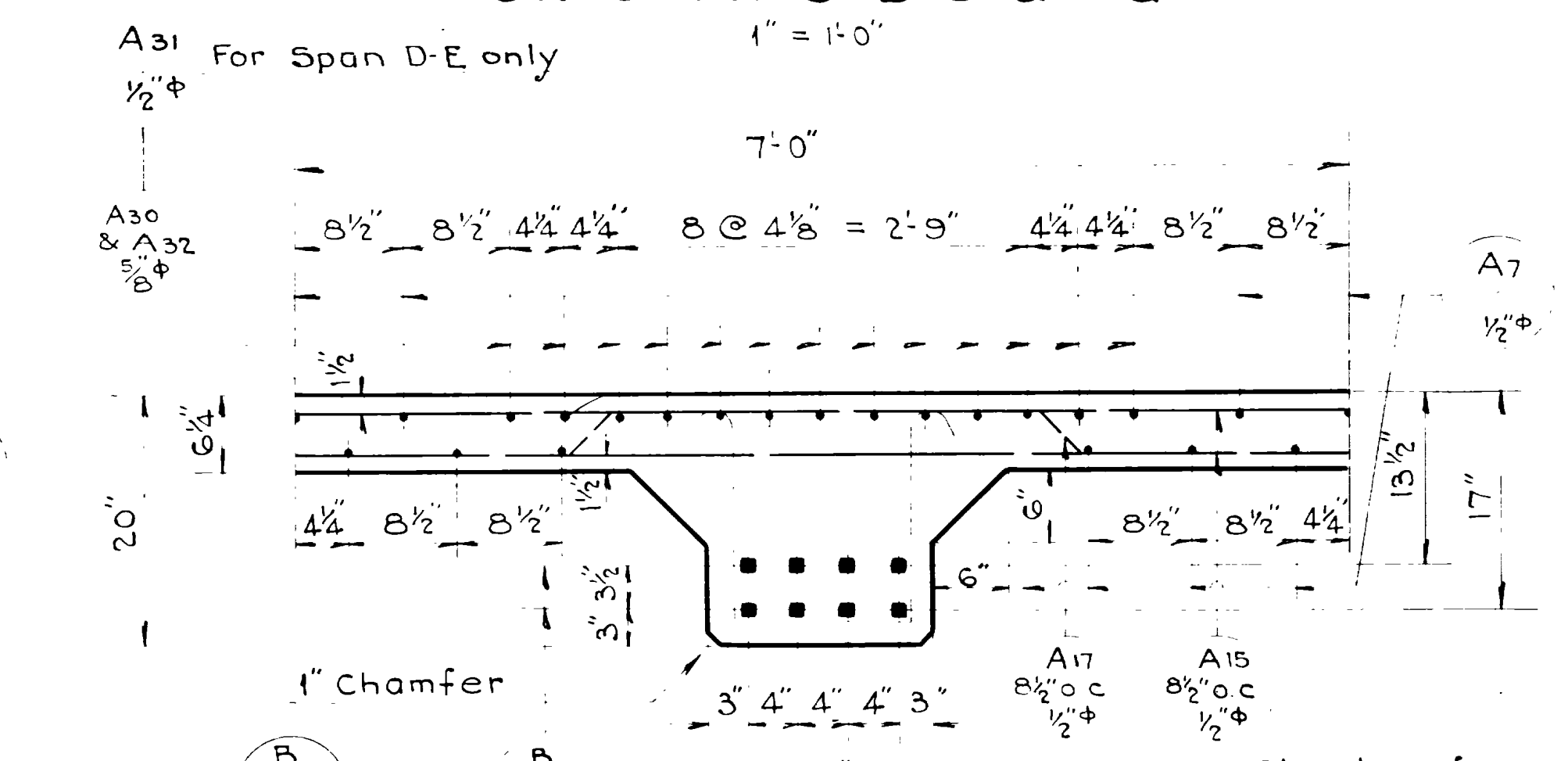
BEAM DETAILS - SPAN B-C
1/2" = 1'-0"



SECTION AT CROWN OF 3-INS. BEAMS FOR SPANS B-C & F-G
1" = 1'-0"



BEAM DETAILS - SPAN C-D
1/2" = 1'-0"



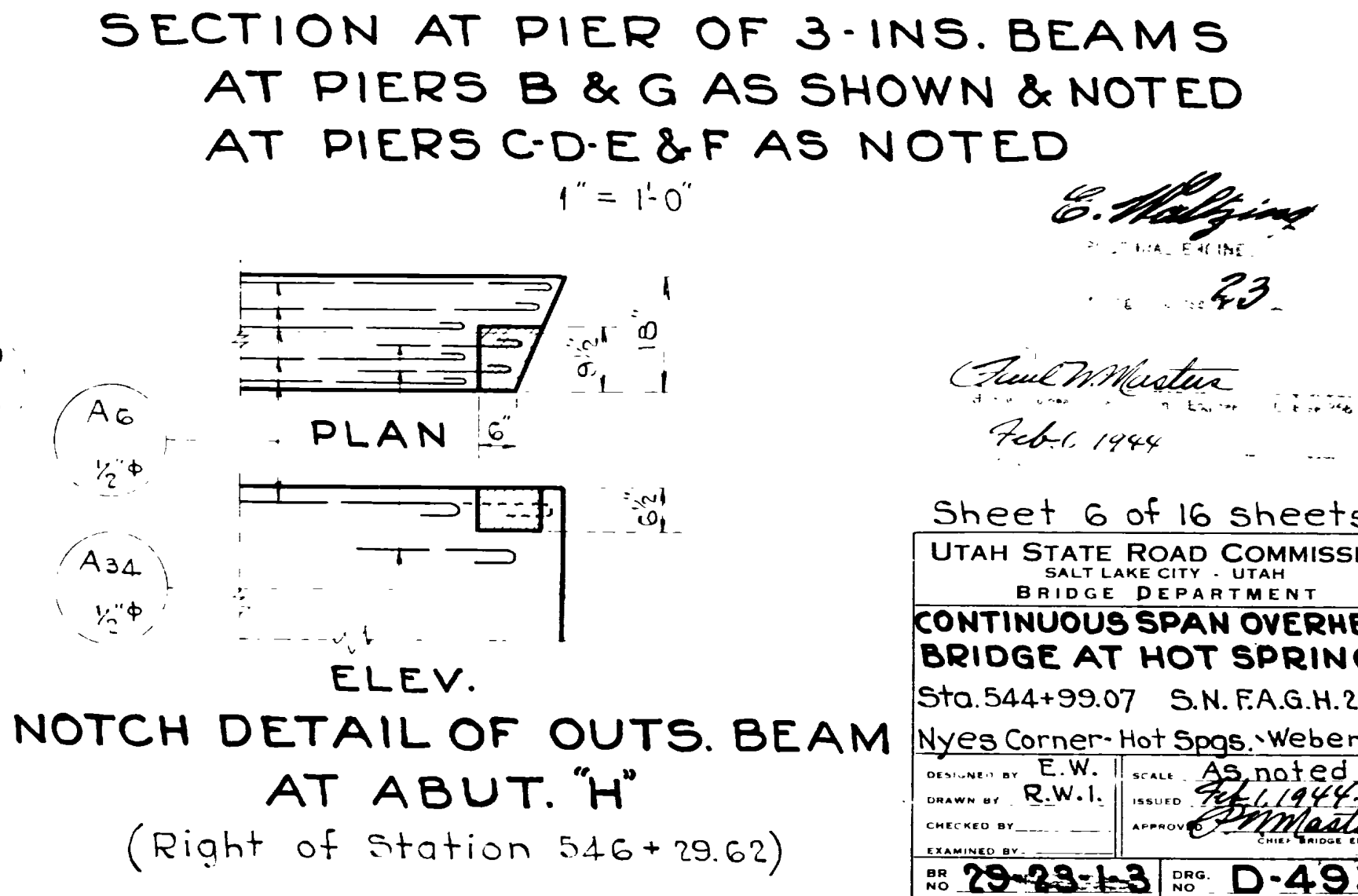
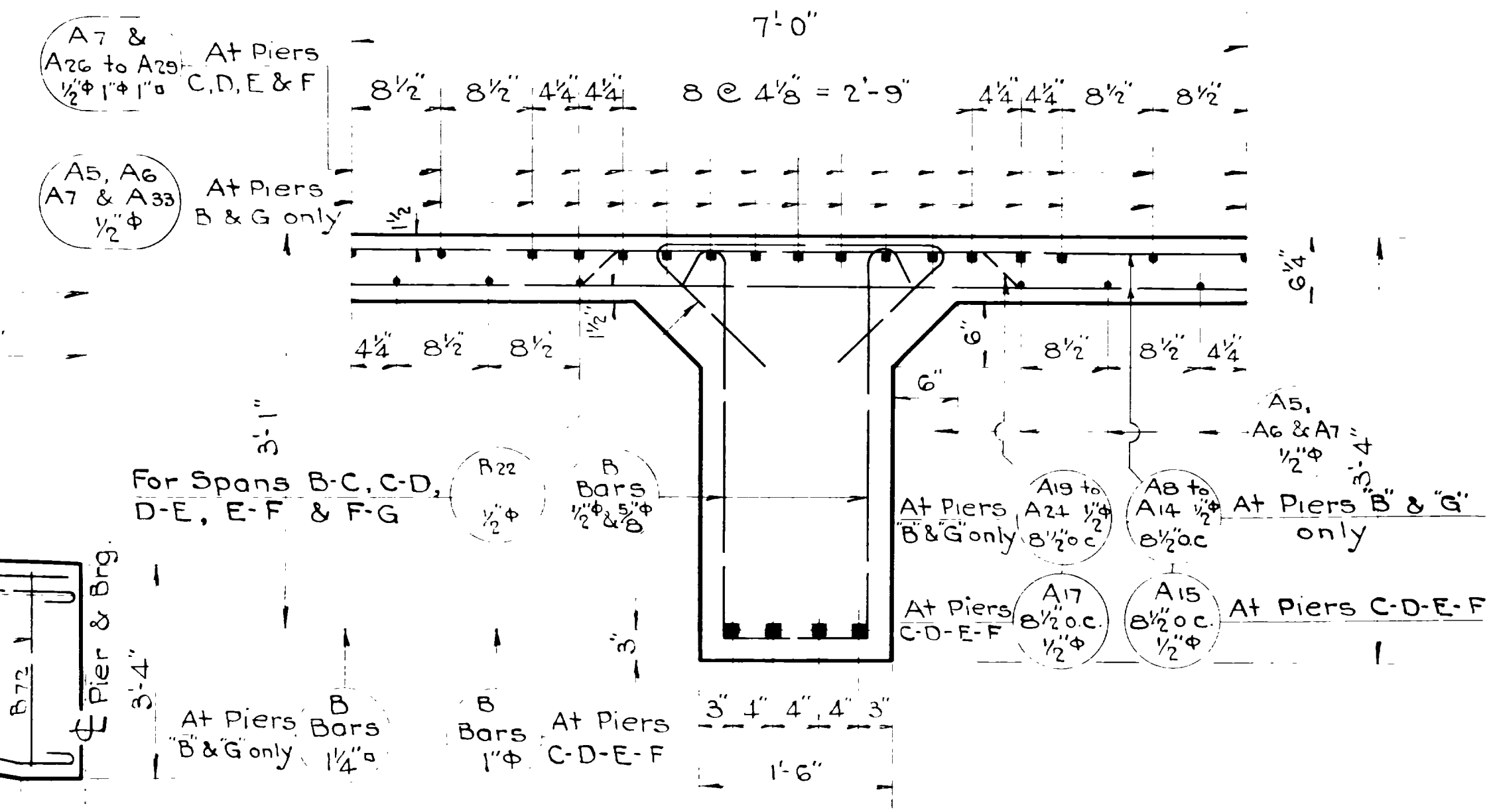
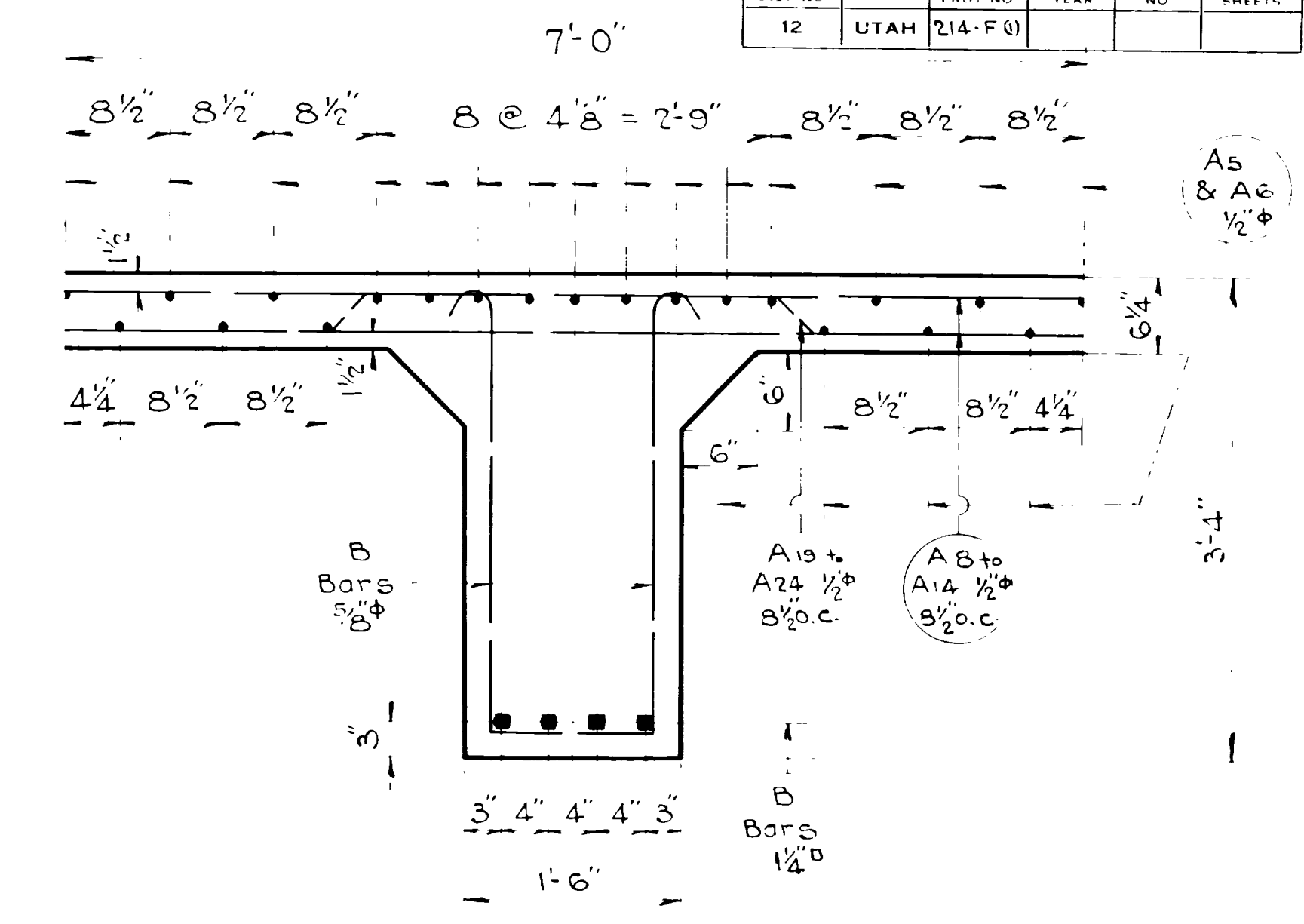
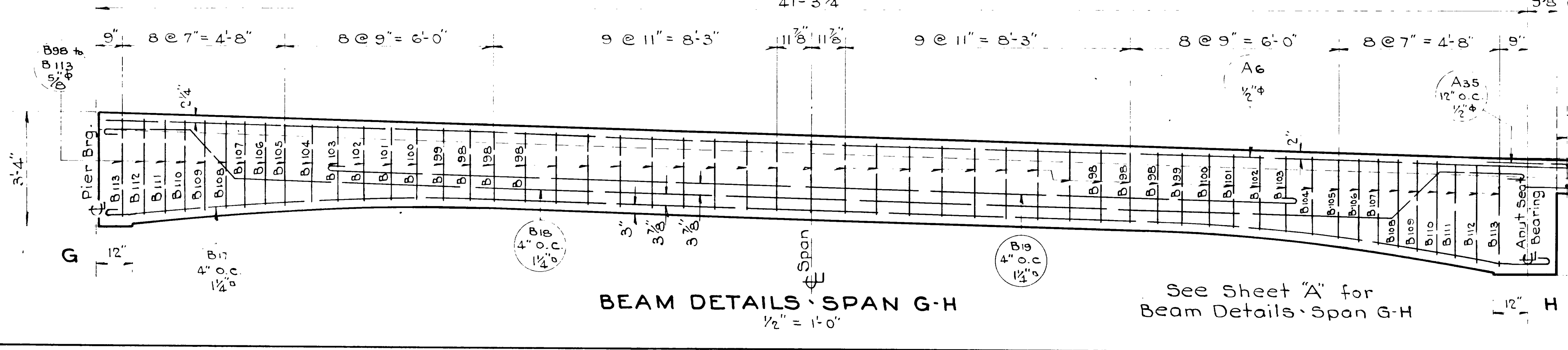
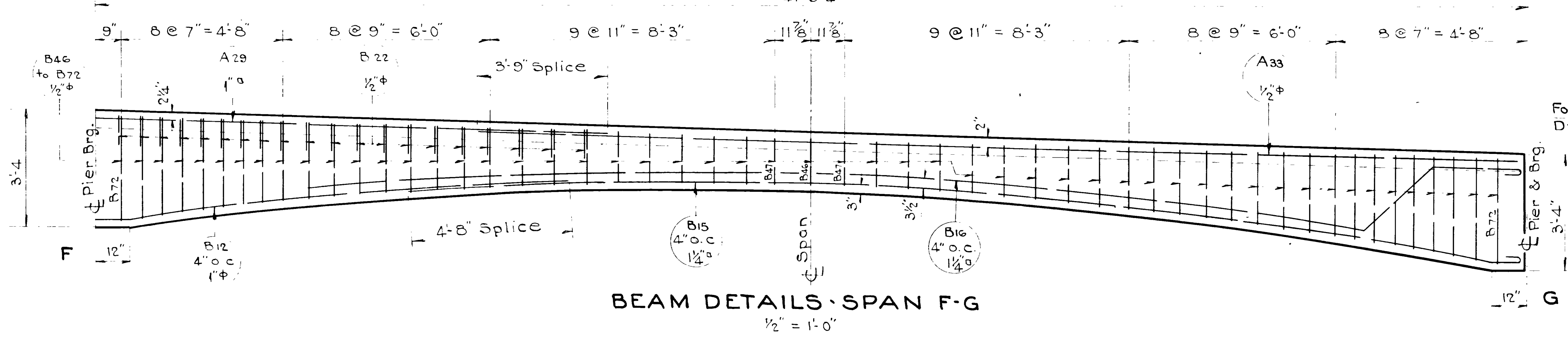
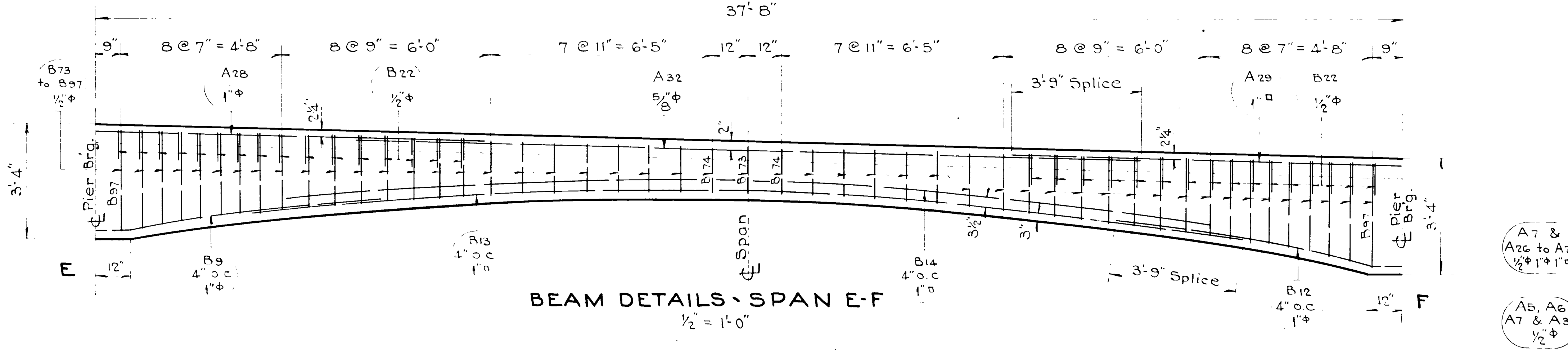
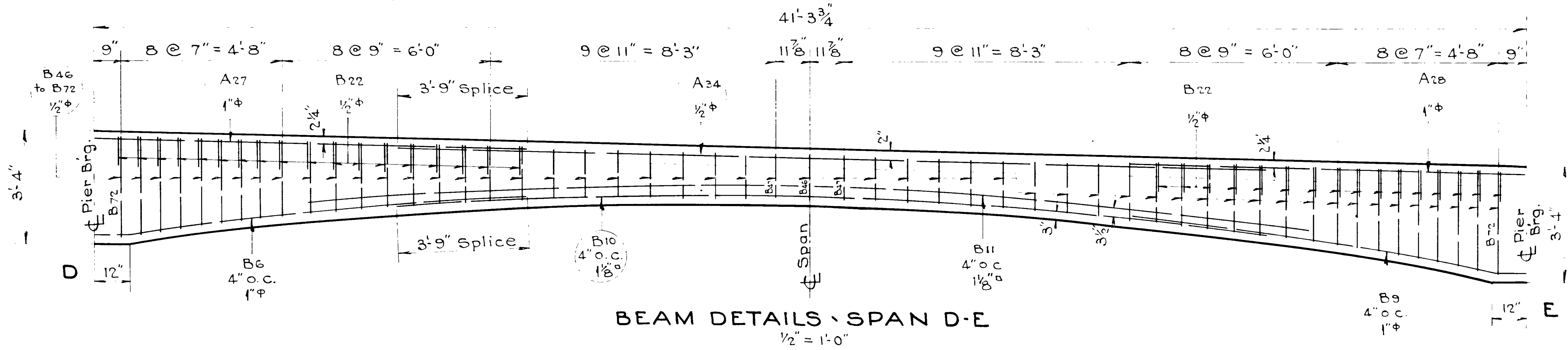
SECTION AT CROWN OF 3-INS. BEAMS FOR SPANS C-D, D-E & E-F
1" = 1'-0"

NO.	DATE	BY	REVISIONS
1	11-1-44	W.W.	REVISED
2	11-1-44	W.W.	REVISED

Sheet 5 of 16 sheets
 UTAH STATE ROAD COMMISSION
 SALT LAKE CITY - UTAH
 BRIDGE DEPARTMENT
CONTINUOUS SPAN OVERHEAD BRIDGE AT HOT SPRINGS
 Sta. 544+99.07 S.N. F.A.G.H. 214-F3
 Nyes Corner - Hot Springs - Weber
 DESIGNED BY: E.W. SCALE: As noted
 DRAWN BY: R.W.L. DATE: Feb. 1, 1944
 CHECKED BY: APPROVED: [Signature]
 EXAMINED BY: [Signature]
 BR NO. 20-22-1-3 DRG NO. D-49

FED. ROAD DIST. NO.	STATE	F.A.G.H. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
12	UTAH	214-F(1)			

REVISIONS	DATE	BY	CHK.
5-22-44 E.M.	6-1-45 R.W.L.		
6-1-44 E.W.			
5-26-45 P.W.E.			

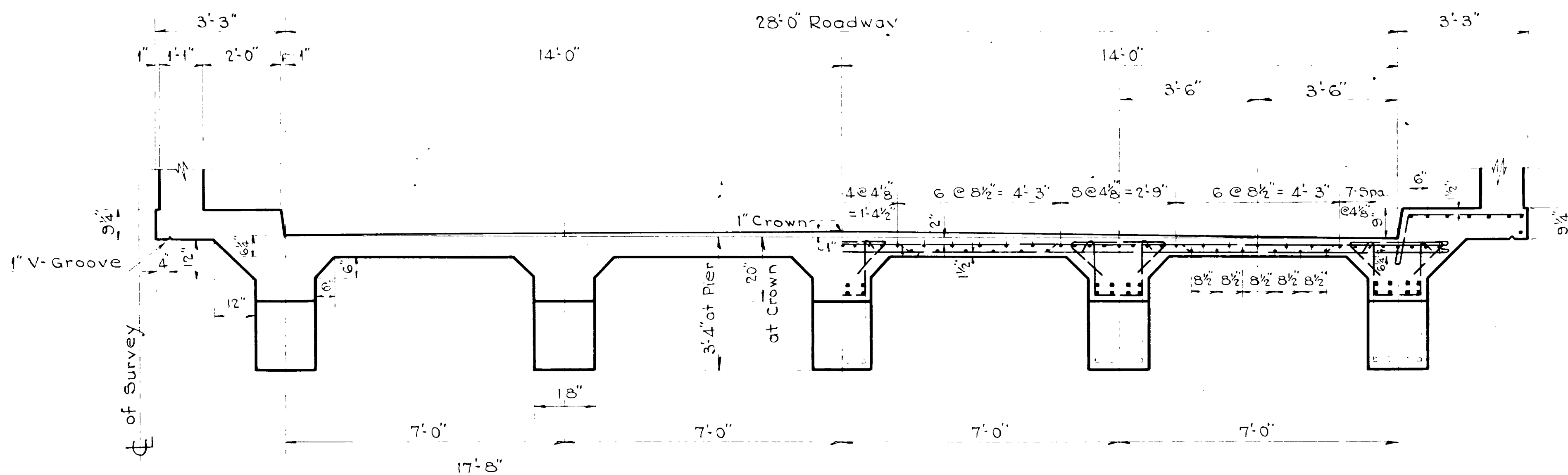


See Sheet "A" for Beam Details - Span G-H

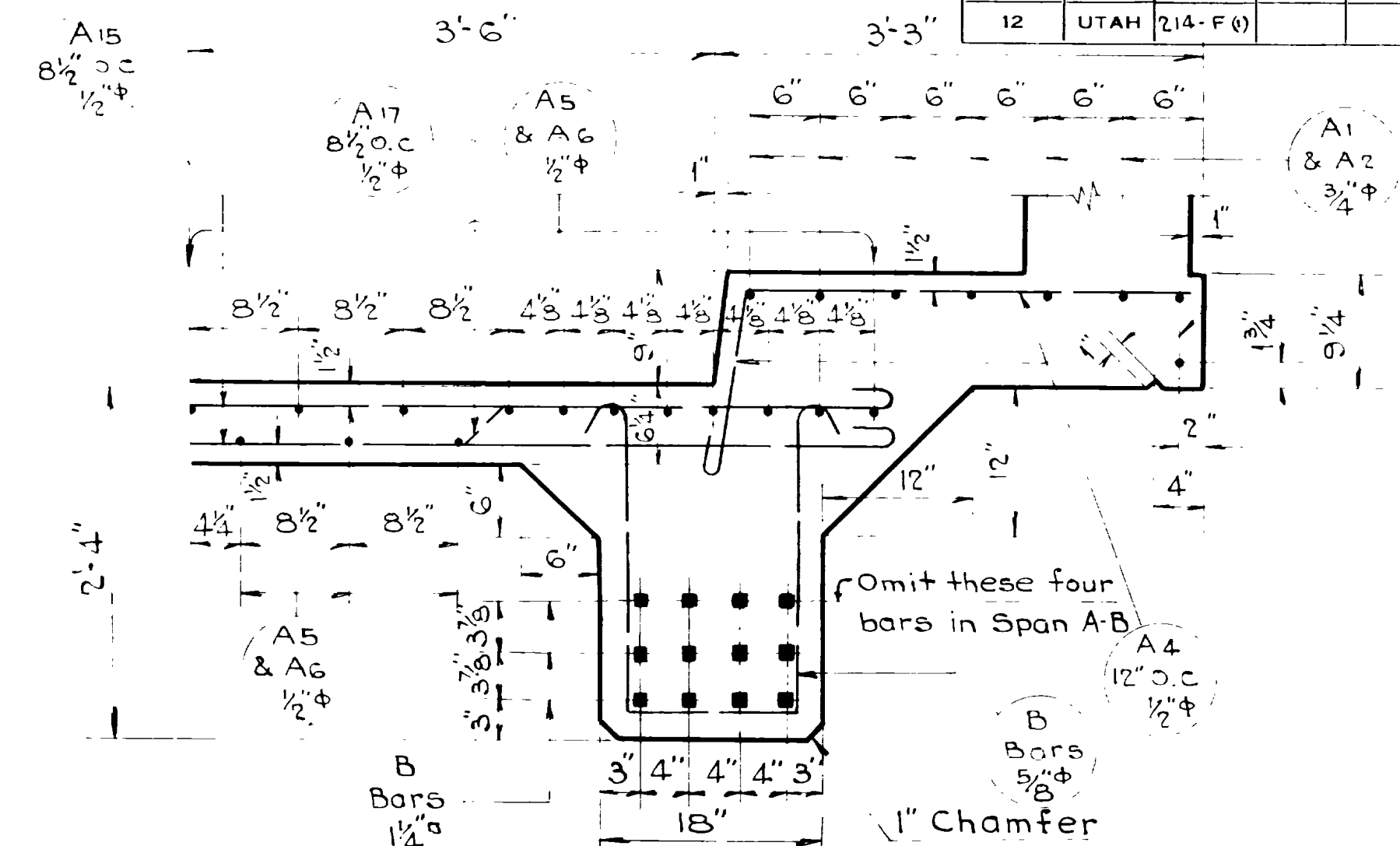
E. Malgouyres
E. MALGOUYRES
23
Paul M. Masten
PAUL M. MASTEN
Feb. 1, 1944

Sheet 6 of 16 sheets
UTAH STATE ROAD COMMISSION
SALT LAKE CITY - UTAH
BRIDGE DEPARTMENT
CONTINUOUS SPAN OVERHEAD BRIDGE AT HOT SPINGS
Sta. 544+99.07 S.N. F.A.G.H. 214-F(1)
Nyes Corner - Hot Spgs. - Weber Co.
DESIGNED BY E.W. SCALE: As noted
DRAWN BY R.W.L.
CHECKED BY *Paul M. Masten*
EXAMINED BY *Paul M. Masten*
29-23-13 DRG. NO. D-493

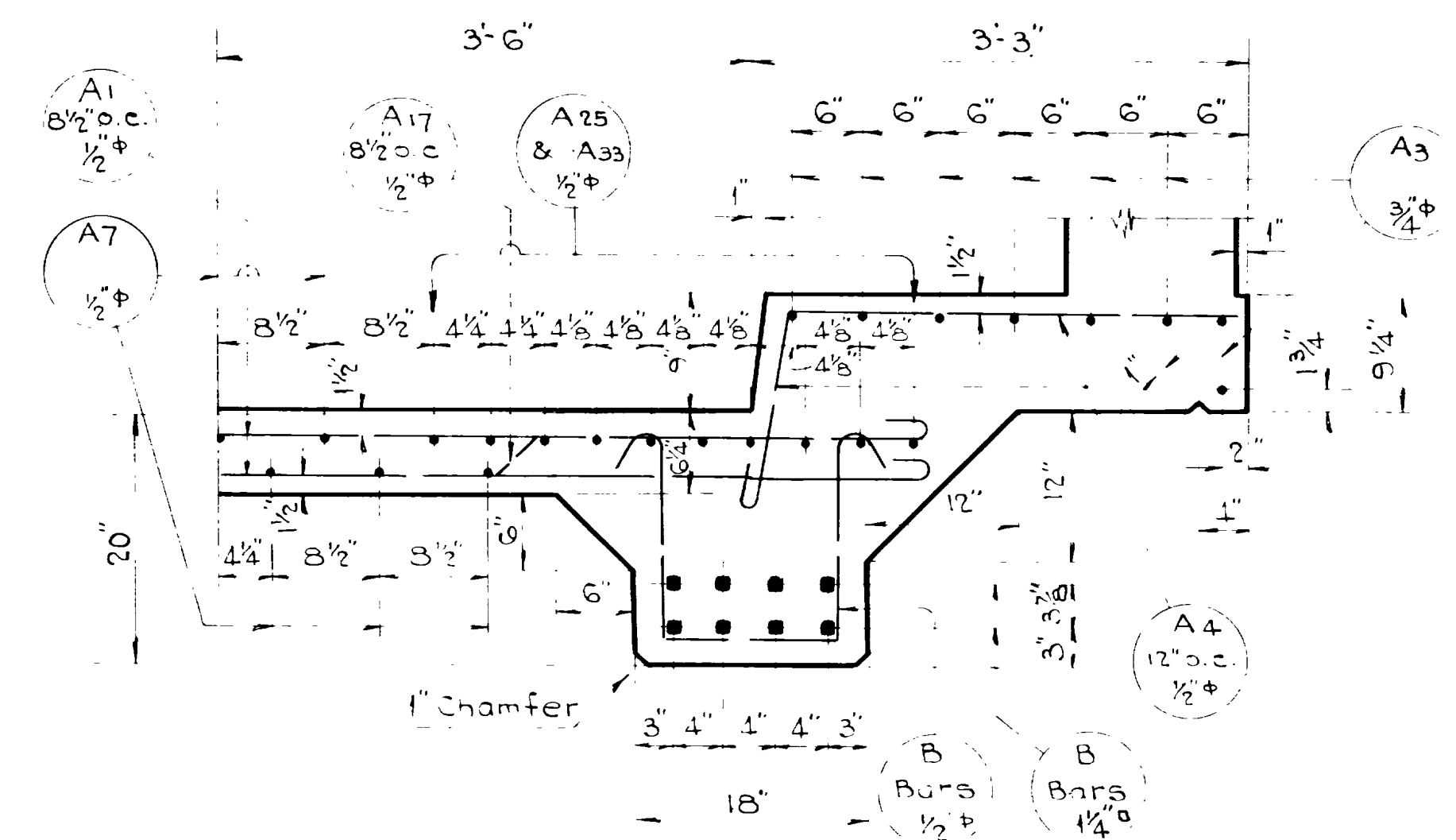
FED. ROAD DIST. NO.	STATE	F.A.G.H. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
12	UTAH	214-F(6)			



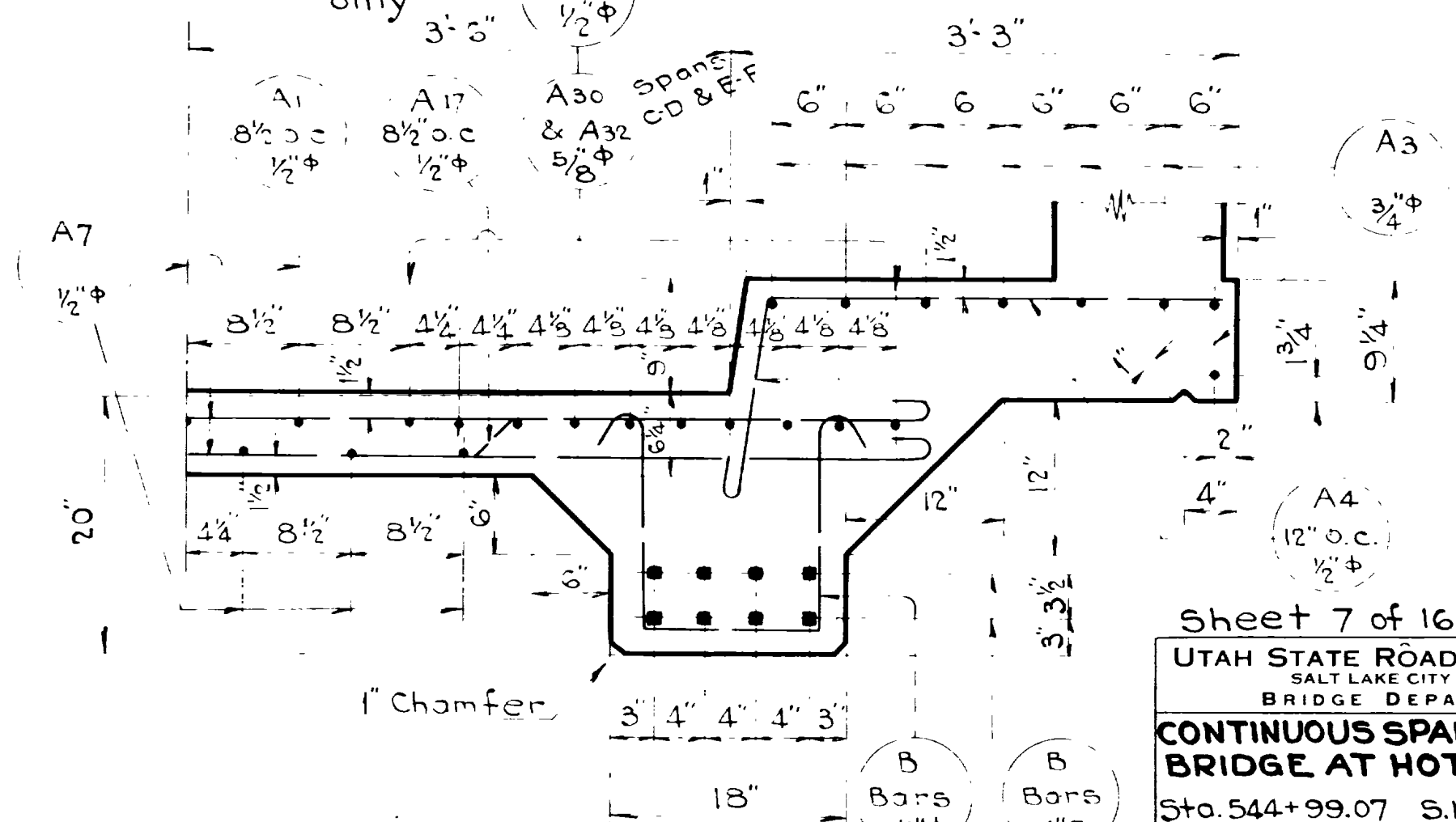
SLAB SECTION A-A (SHEETS 3 & 4)
1/2" = 1'-0"



SECTION AT CROWN OF 2-OUTS. BEAMS FOR END SPANS A-B & G-H
1" = 1'-0"

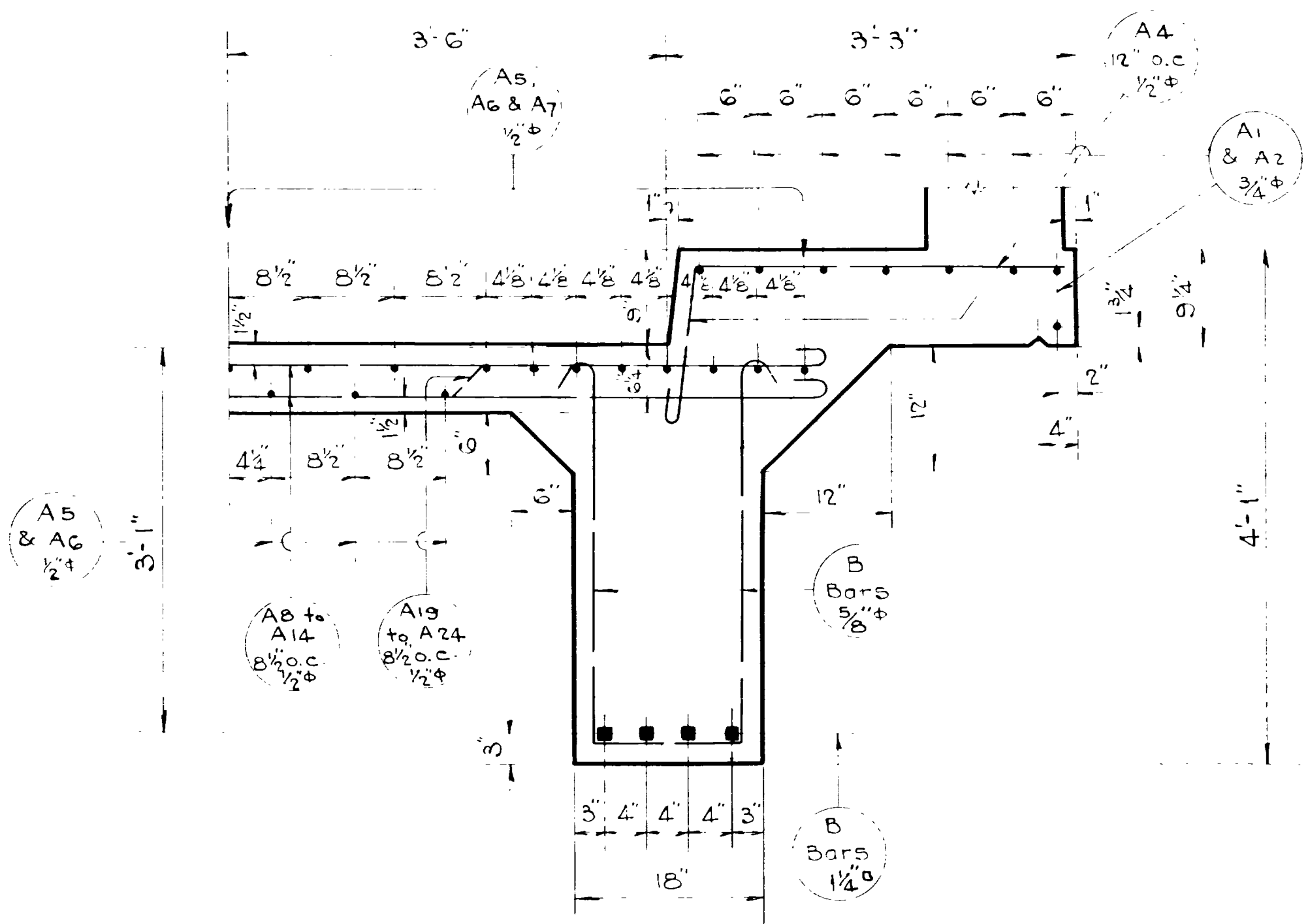


SECTION AT CROWN OF 2-OUTS. BEAMS FOR SPANS B-C & F-G
For Span D-E only
1" = 1'-0"

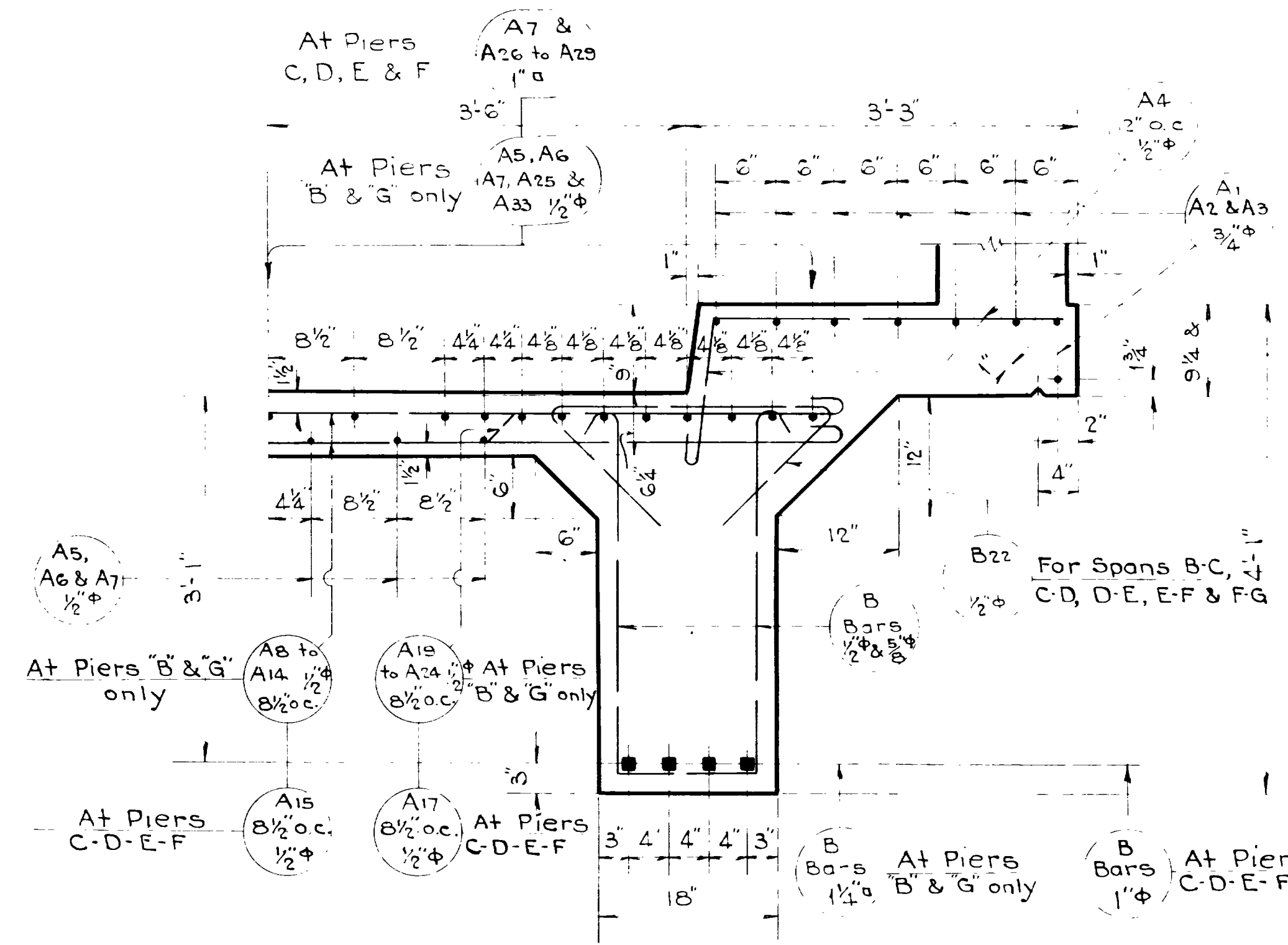


SECTION AT CROWN OF 2-OUTS. BEAMS FOR SPANS C-D, D-E & E-F

NO.	DATE	BY	DESCRIPTION
1	11-14-44	E.W.	REVISED
2	1-14-45	E.W.	REVISED



SECTION AT ABUT. OF 2-OUTS. BEAMS AT ABUTS. A & H
1" = 1'-0"



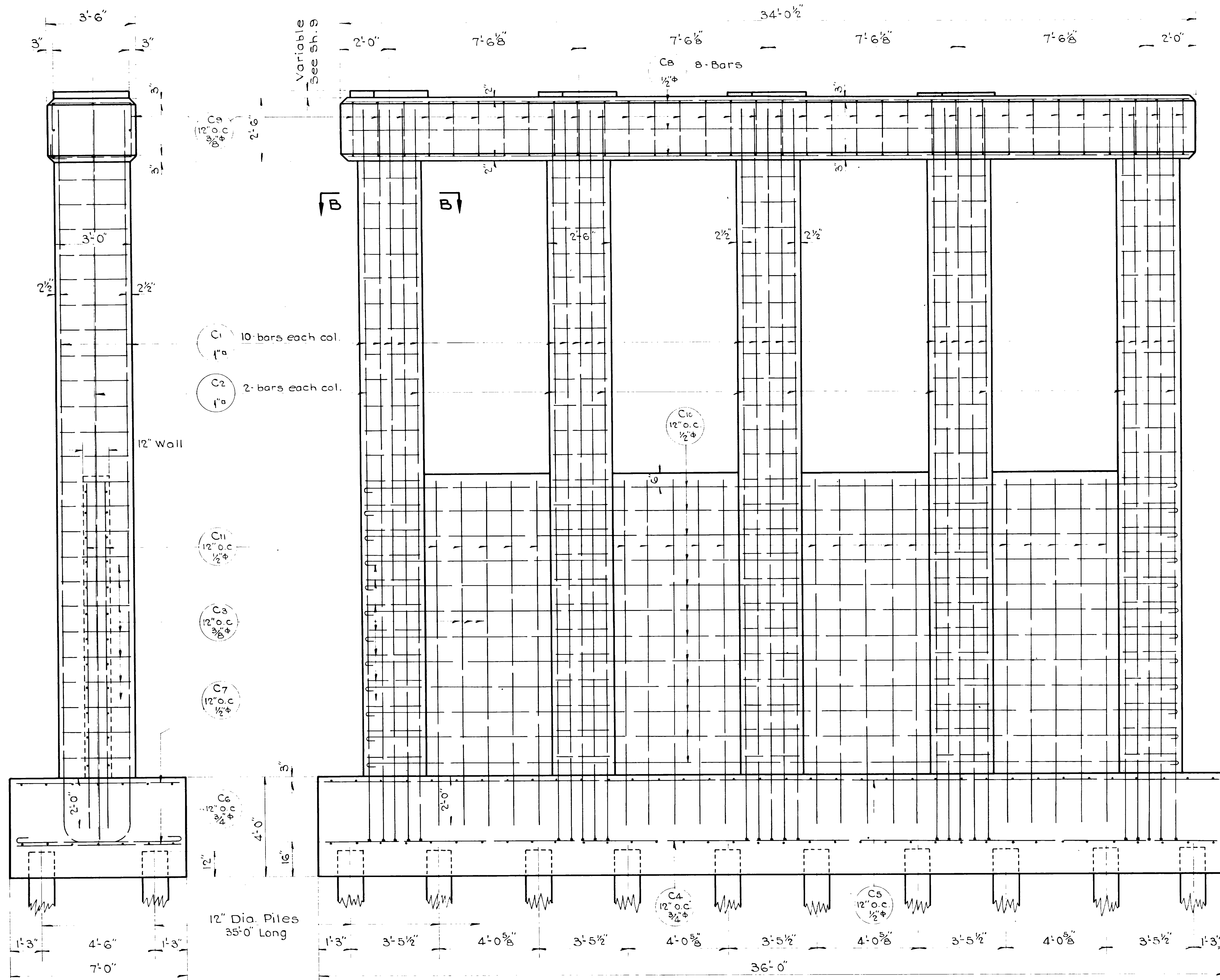
SECTION AT PIER OF 2-OUTS. BEAMS AT PIERS B & G AS SHOWN & NOTED AT PIERS C, D, E & F AS NOTED
1" = 1'-0"

E. W. Weber

Paul Masten
Feb. 1, 1951

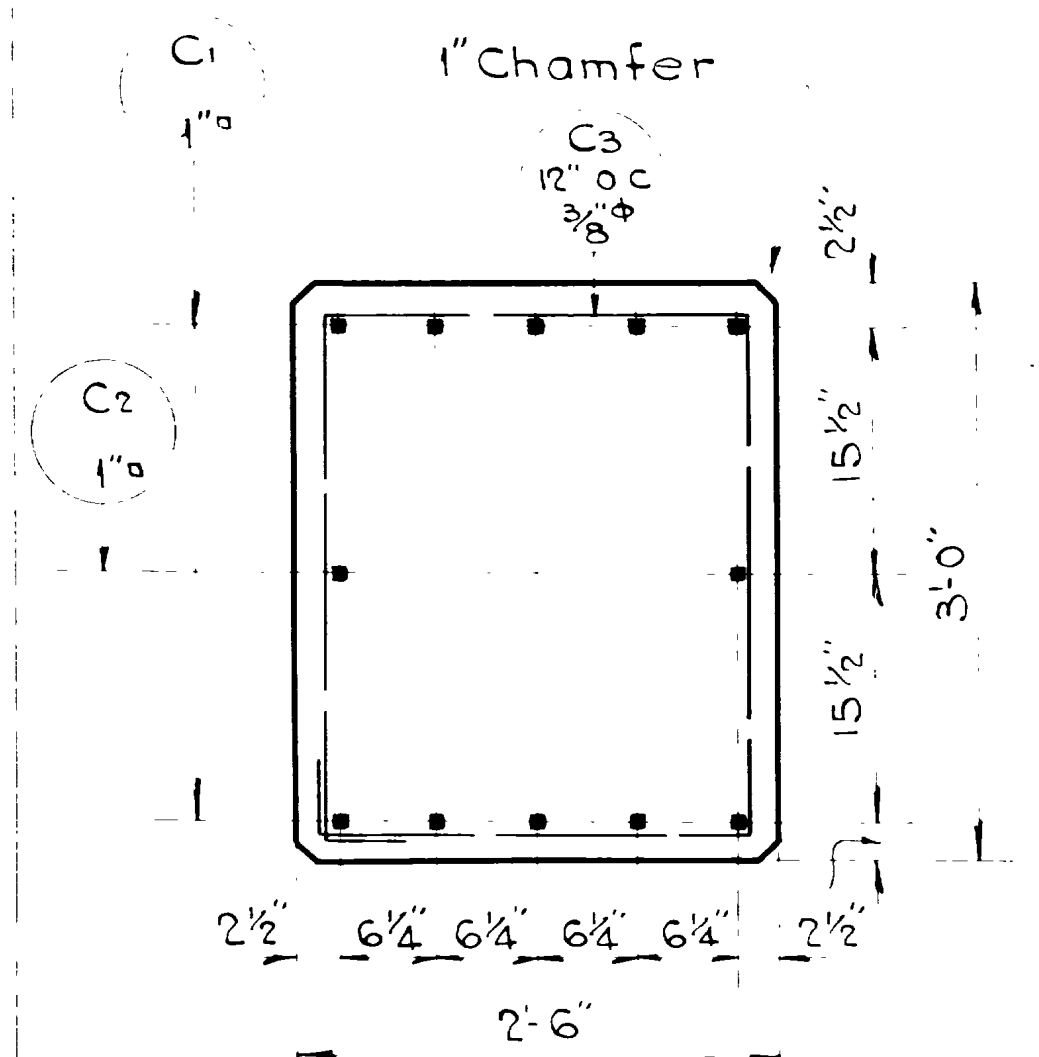
Sheet 7 of 16 sheets
 UTAH STATE ROAD COMMISSION
 SALT LAKE CITY, UTAH
 BRIDGE DEPARTMENT
CONTINUOUS SPAN OVERHEAD BRIDGE AT HOT SPRINGS
 Sta. 544+99.07 S.N. F.A.G.H. 214-F(6)
 Nyes Corner - Hot Springs - Weber Co.
 DESIGNED BY E.W. WEBER
 DRAWN BY R.W.L.
 CHECKED BY *E. W. Weber*
 CLEANED BY
 BR 29-23-18 ORG. D-493

FED. ROAD DIST. NO.	STATE	S.N. F.A.G.H. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
12	UTAH	214-F0			

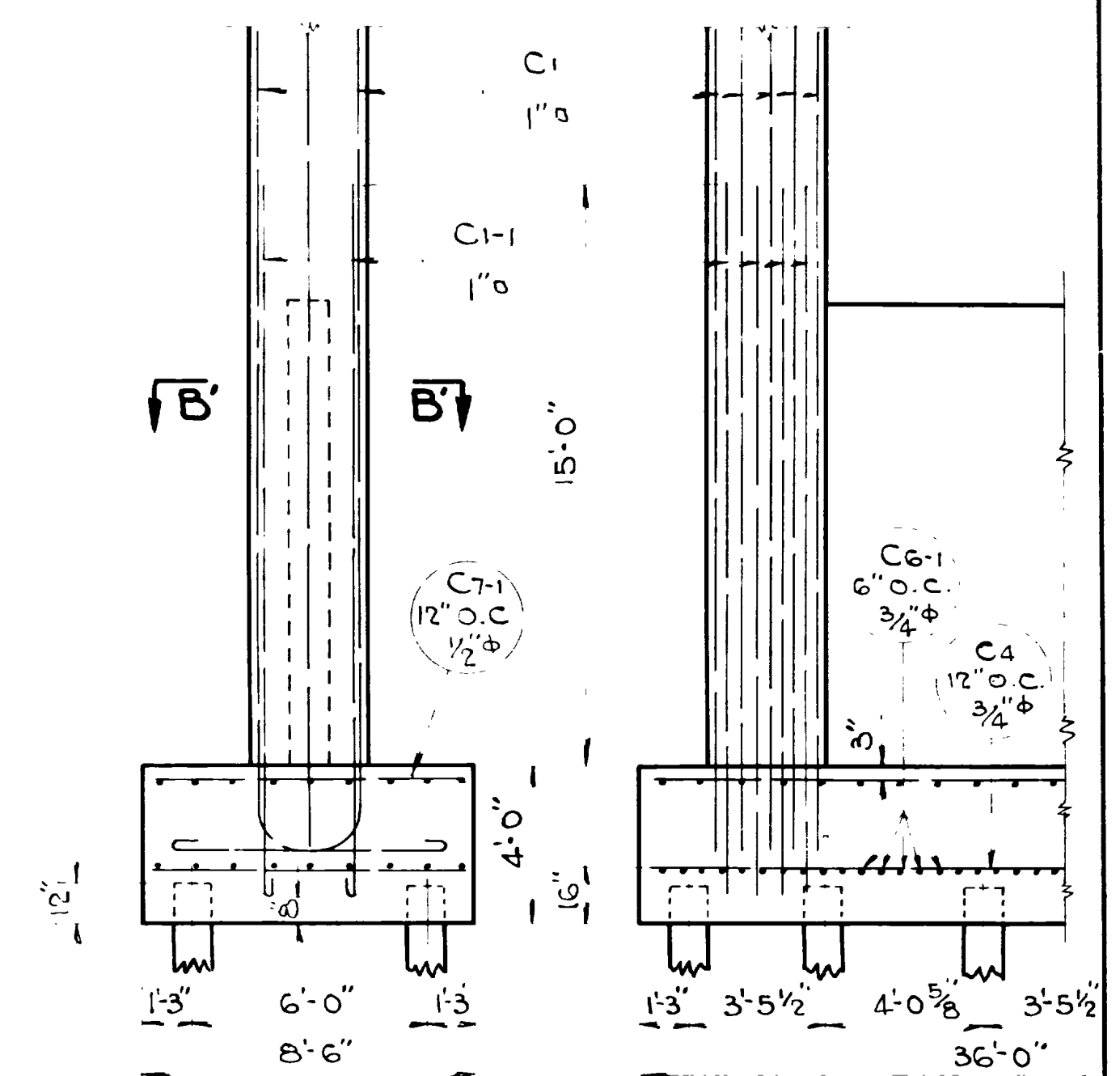


END ELEVATION FOR PIERS B-D-E-G
1/2" = 1'-0"

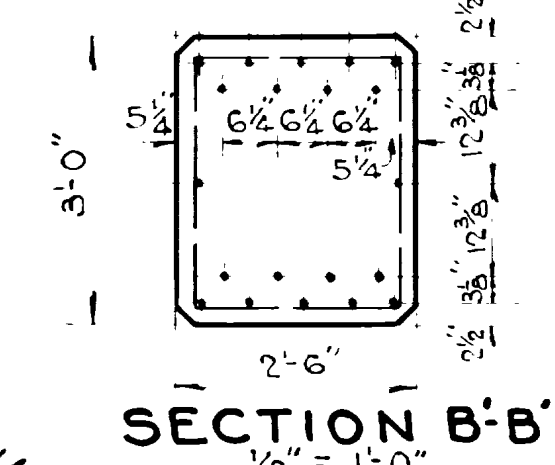
TYPICAL ELEVATION OF PIERS
1/2" = 1'-0"



TYPICAL SECTION B-B FOR PIERS B-D-E-G
1" = 1'-0"



END ELEV. PIERS C & F
1/4" = 1'-0"



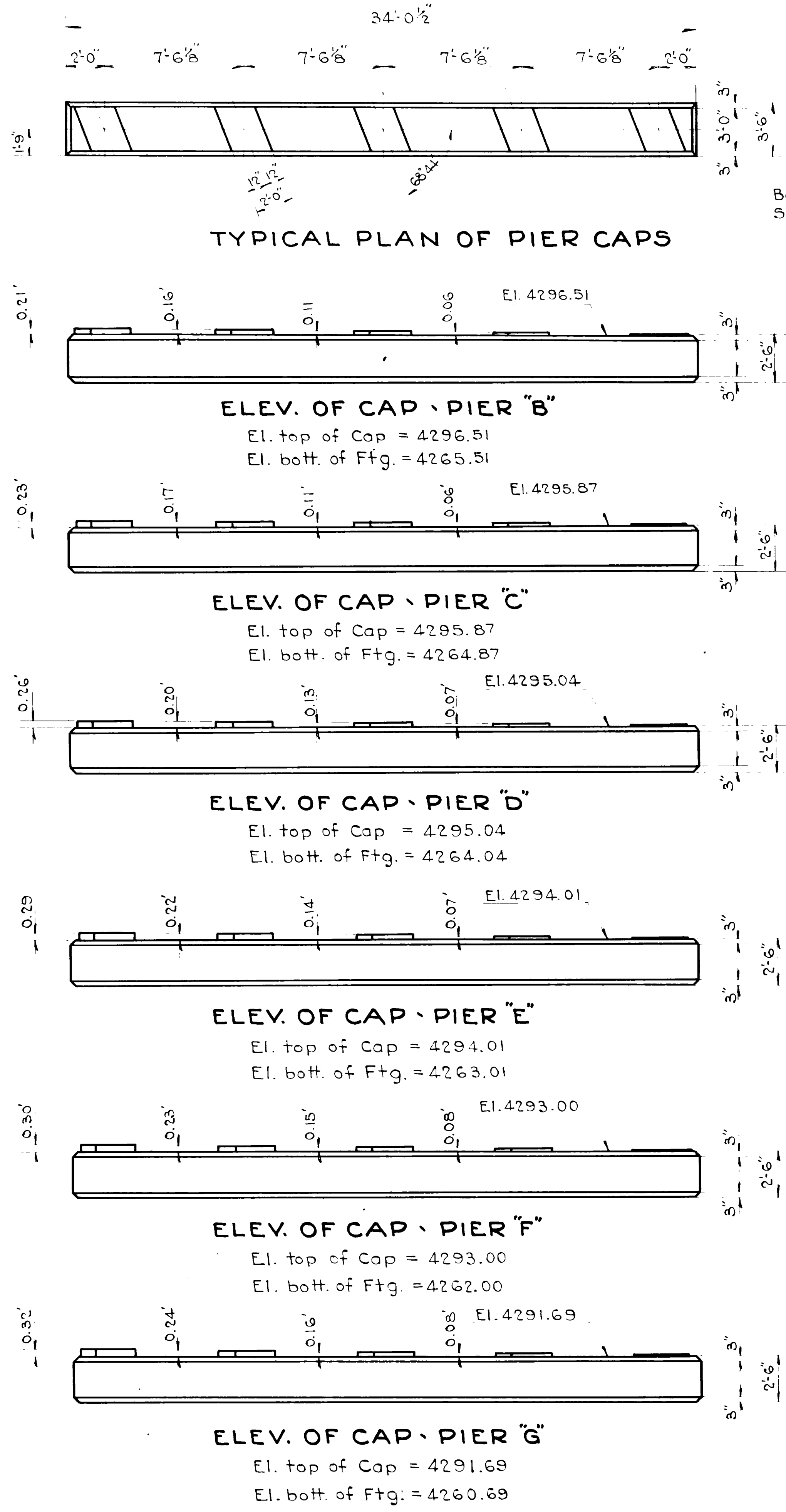
SECTION B-B
1/2" = 1'-0"

Sheet 8 of 16 sheets
 UTAH STATE ROAD COMMISSION
 SALT LAKE CITY, UTAH
 BRIDGE DEPARTMENT
CONTINUOUS SPAN OVERHEAD BRIDGE AT HOT SPRINGS
 Sta. 544+99.07 S.N. F.A.G.H. 214-F0
 Nyes Corner Hot Springs, Weber Co.
 DESIGNED BY E.W. SCALE As noted
 DRAWN BY R.W.I. ISSUED Feb. 1, 1944
 CHECKED BY APPROVED
 NO. 29-23-1-3 DRG. NO. D-493

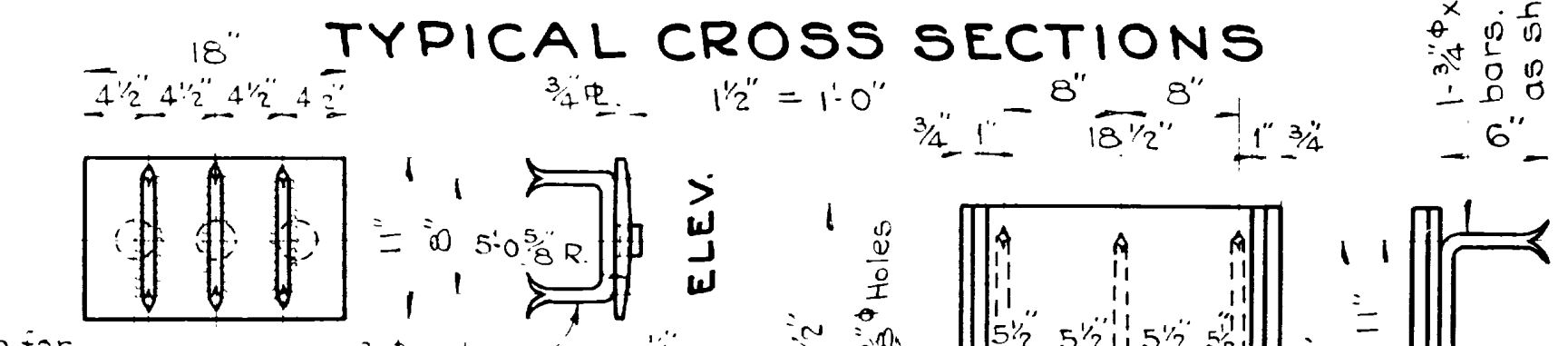
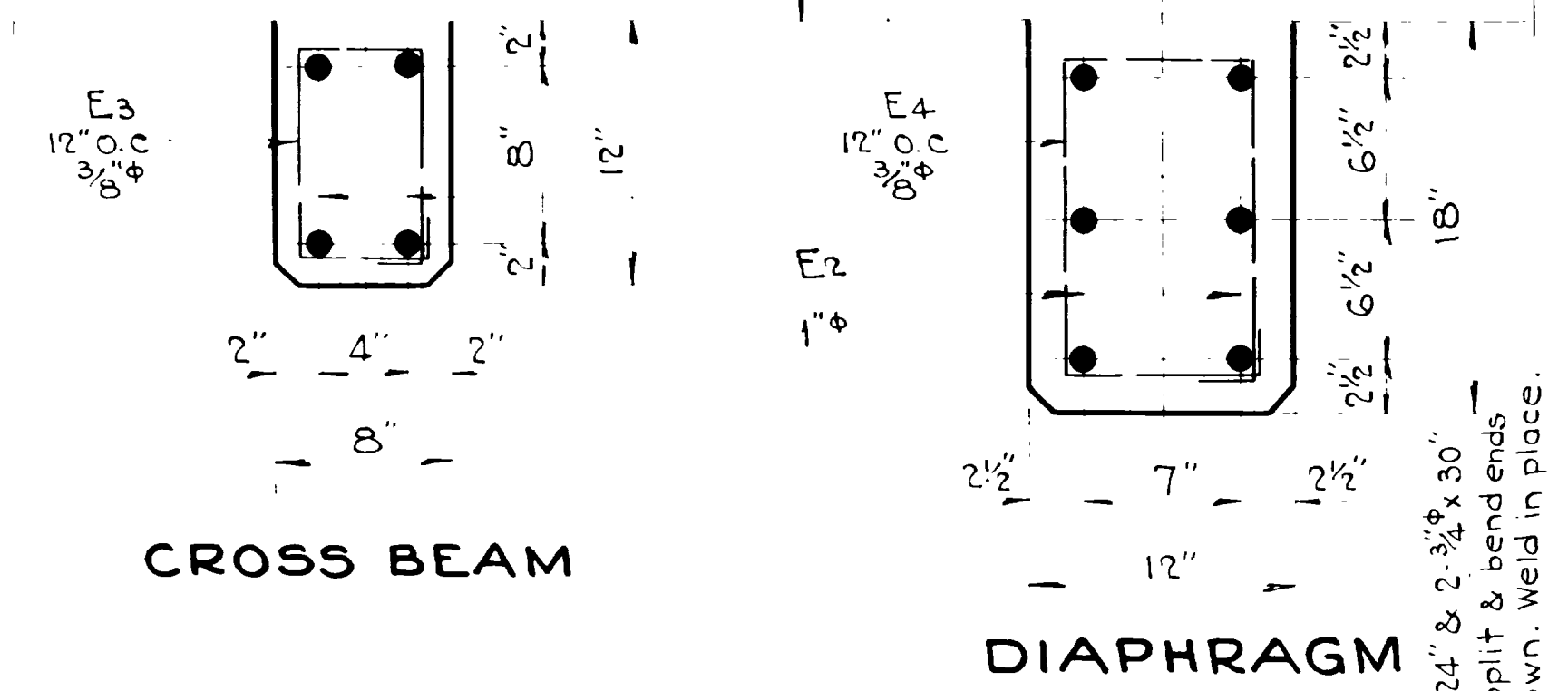
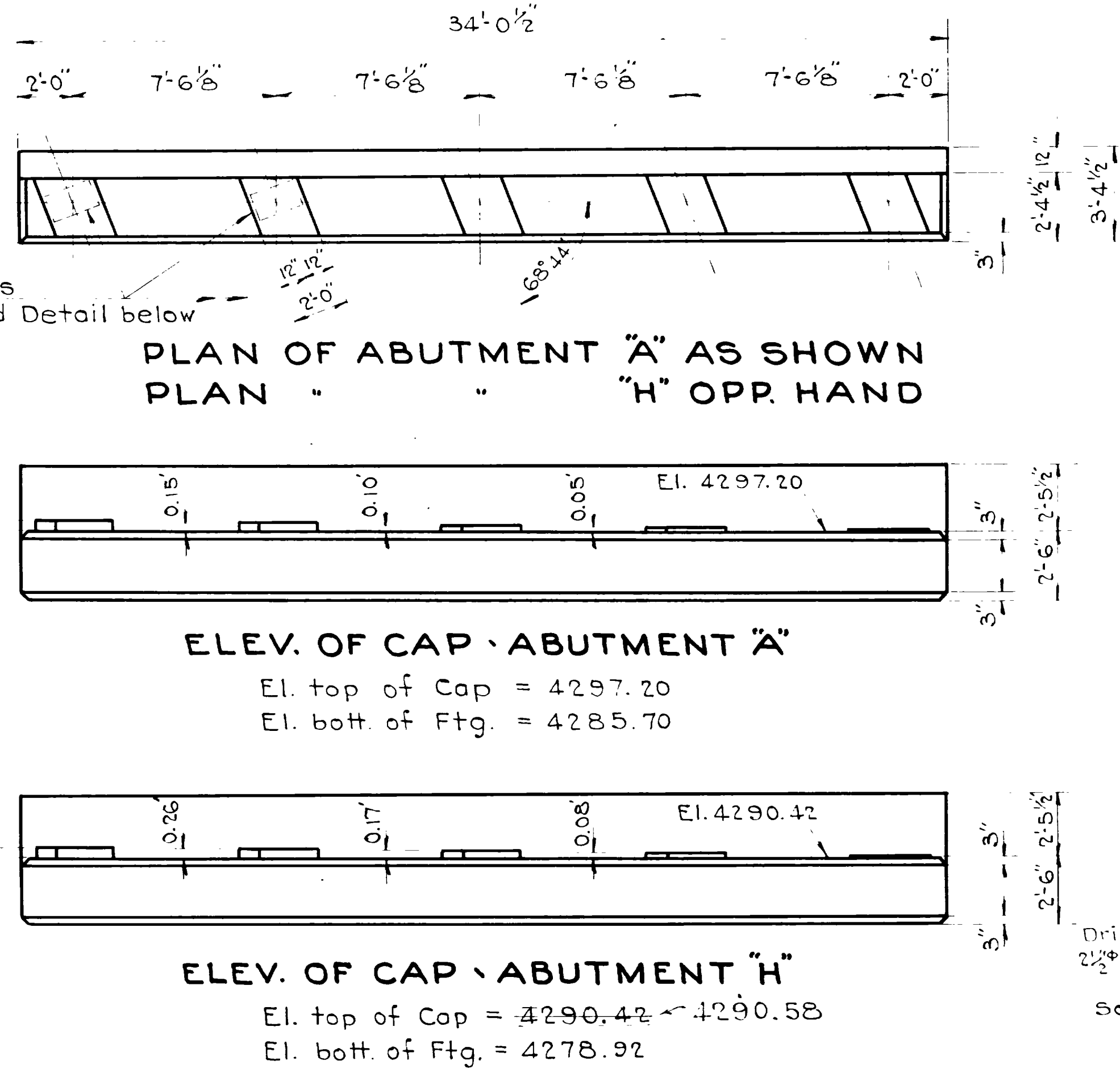
REVISIONS

DATE	BY	DATE	BY
4-28-44	E.W.		
5-17-44	E.W.		

FED. ROAD DIST. NO.	STATE	F.A.G.H. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
12	UTAH	214-F0			

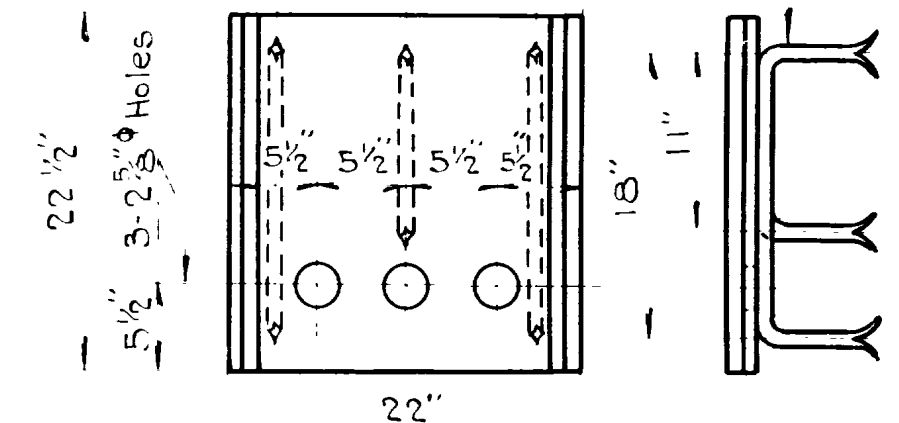
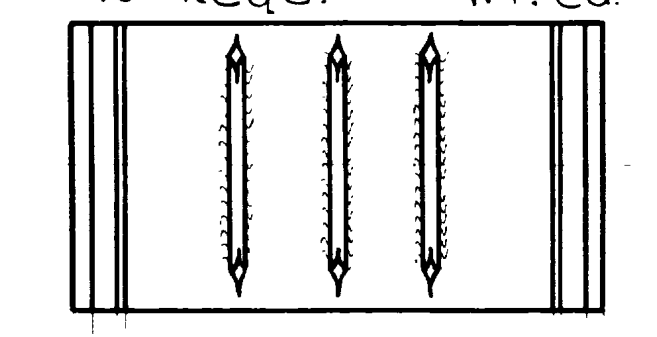


Bearing Plates
See Enlarged Detail below



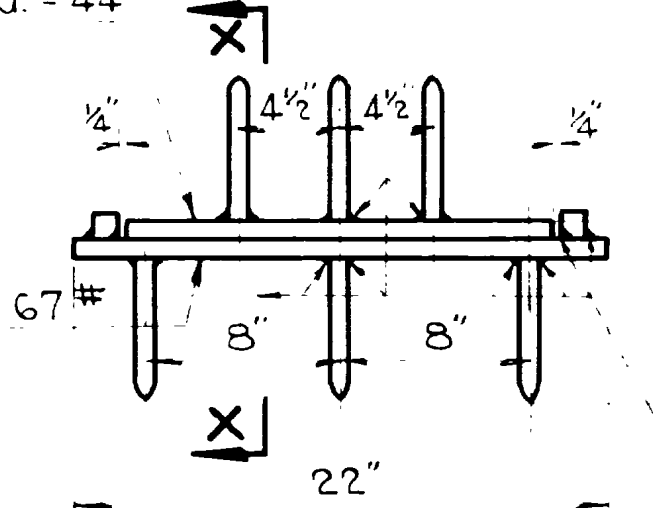
Drill and Tap for
2 1/2" Dia. x 1 1/2" Long 3/4" x 2 1/2" bar.
Split & bend ends as shown.
Weld in place.
Sc. 1" = 1'-0"

**PLAN
DETAIL OF BEARING RS.**
10- Req'd. Wt. ea. = 47#

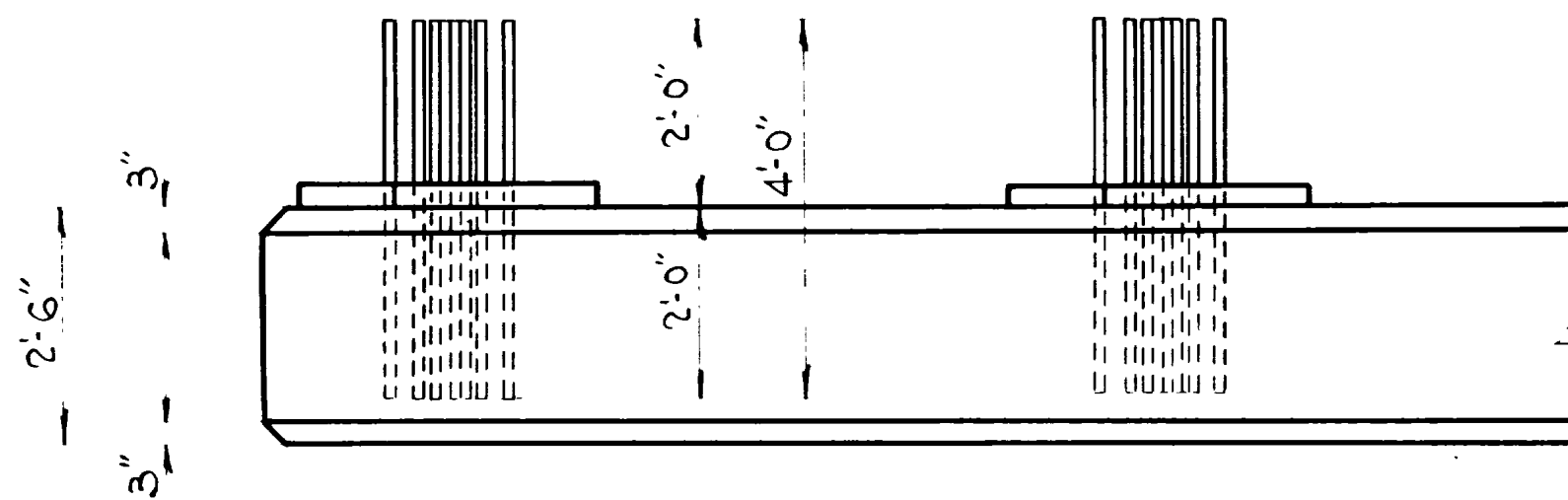
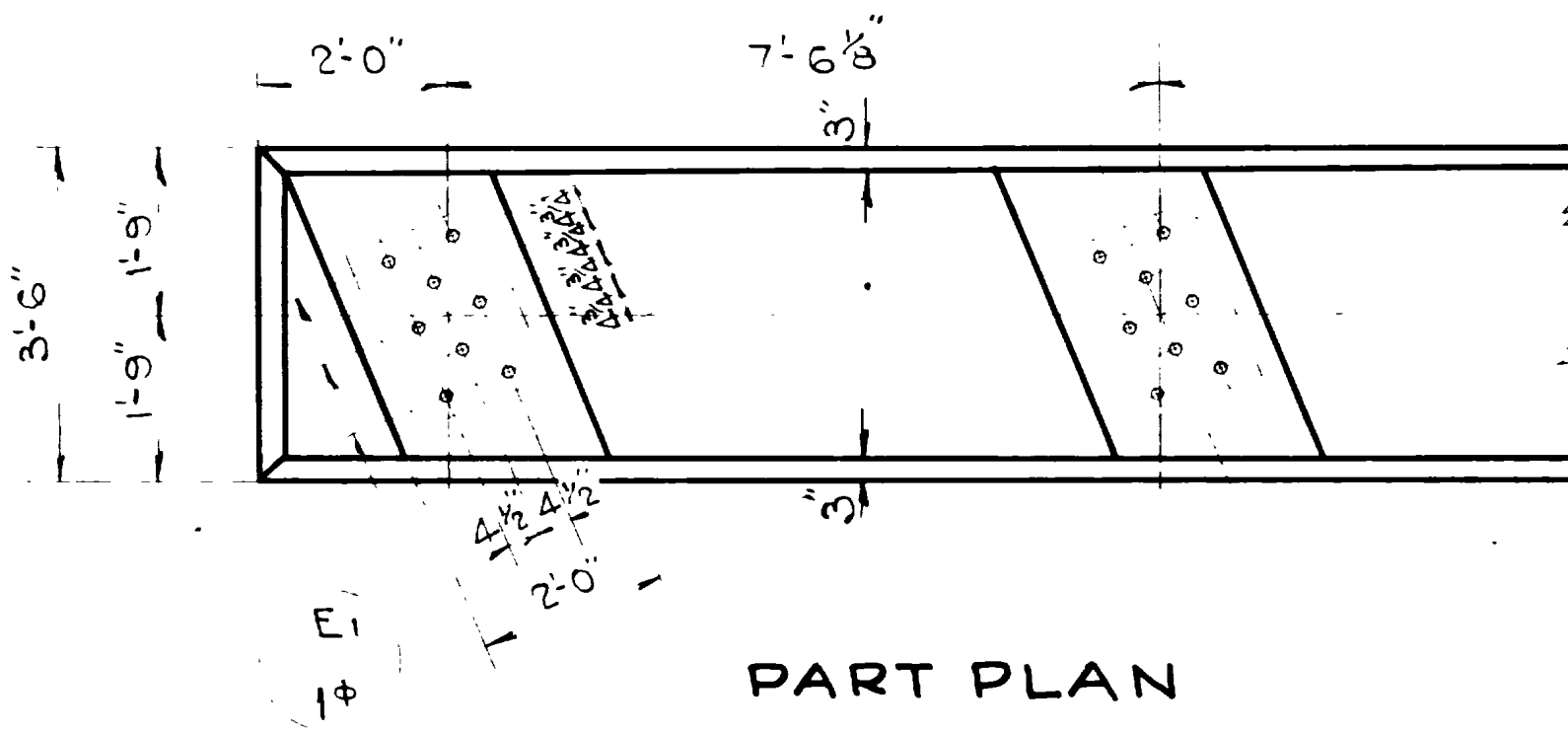
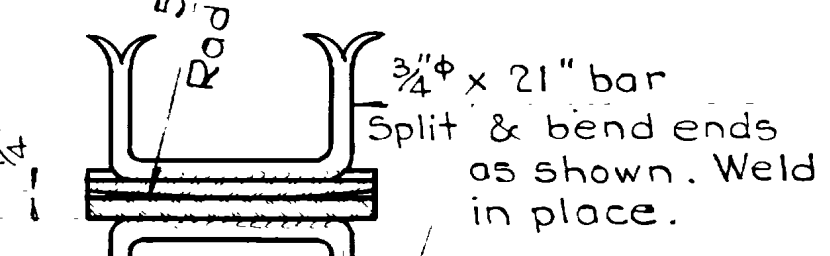


Bearing R. Wt. ea. = 44#
20- Req'd.

PLAN



DETAIL OF MASONRY RS.
10- Req'd. Wt. ea. = 128#



**DETAIL OF CAP DOWELS
PIERS C-D-E-F**
1/2" = 1'-0"

REVISIONS	DATE	BY
1	4-29-44	E.W.
2	6-15-44	E.W.
3	8-25-44	E.W.

Sheet 9 of 16 sheets

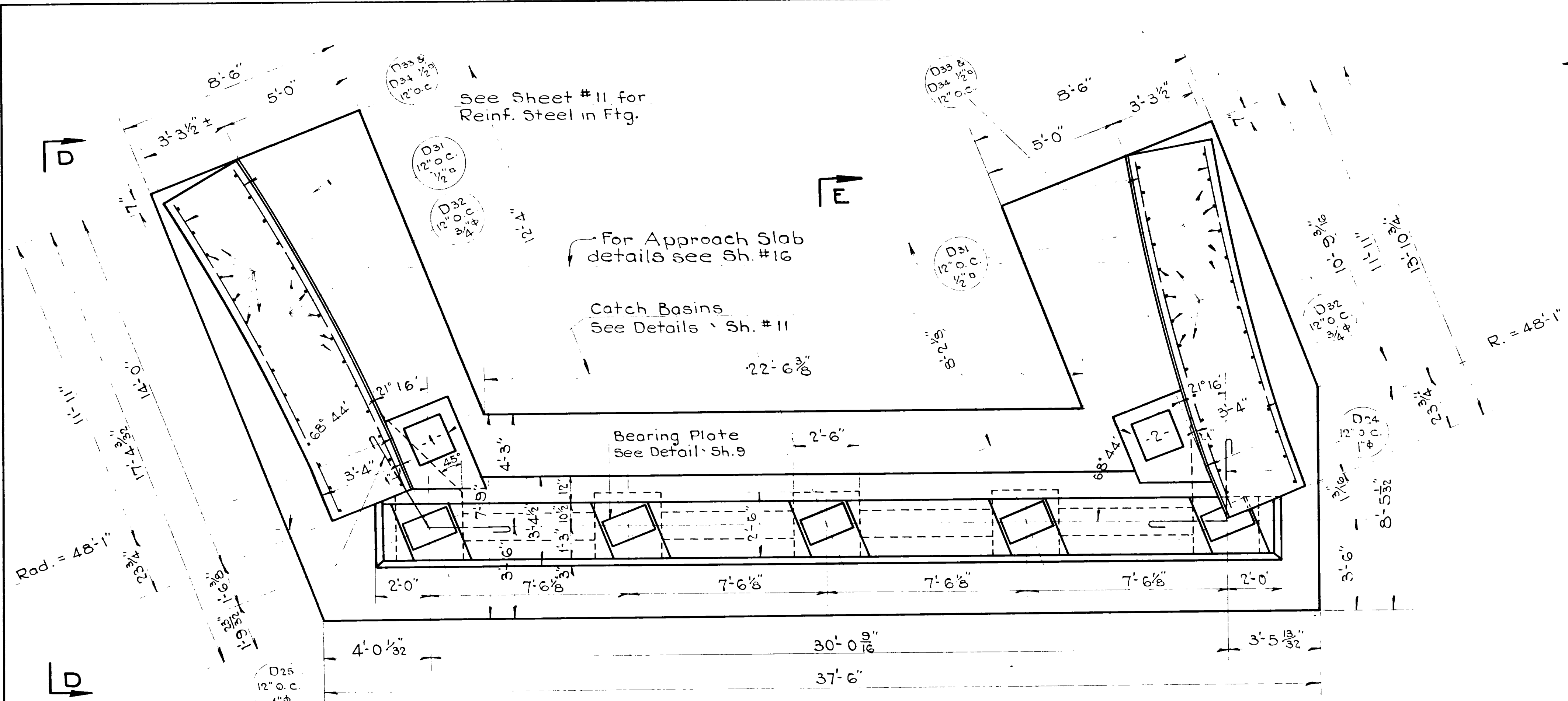
UTAH STATE ROAD COMMISSION
SALT LAKE CITY - UTAH
BRIDGE DEPARTMENT

**CONTINUOUS SPAN OVERHEAD
BRIDGE AT HOT SPRINGS**
Sta. 544+99.07 S.N. F.A.G.H. 214-F0
Nyes Corner - Hot Springs - Weber Co.

DESIGNED BY: E.W. SCALE: As noted
DRAWN BY: R.W.L. ISSUED: Feb. 1944
CHECKED BY: APPROVED: [Signature]
EXAMINED BY: [Signature]

DR. NO. 29-234-3 DPG. NO. D-493

FED. ROAD DIST. NO.	STATE	F.A.G.H. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
12	UTAH	214-F(3)			



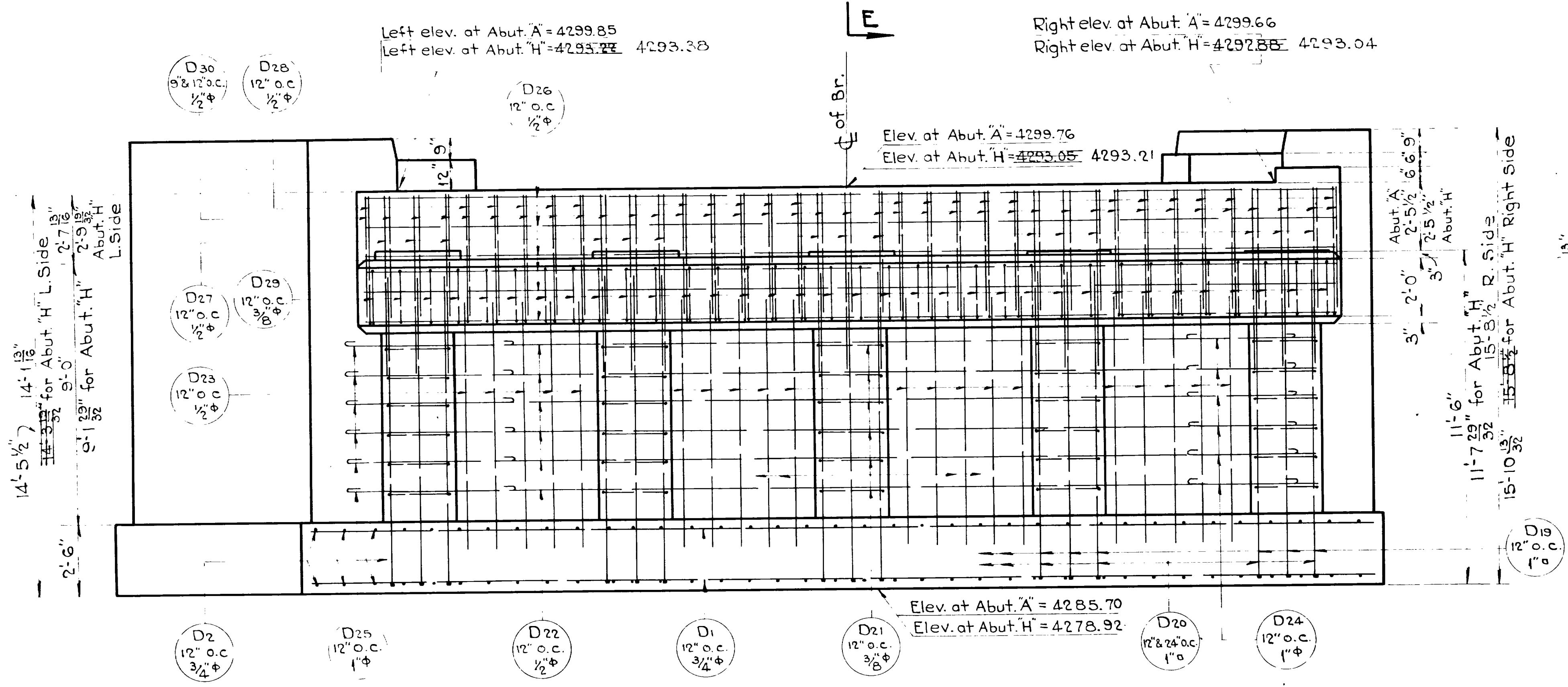
PLAN ABUT. A
3/8" = 1'-0"

Note: See Sheet #11 for Section E-E

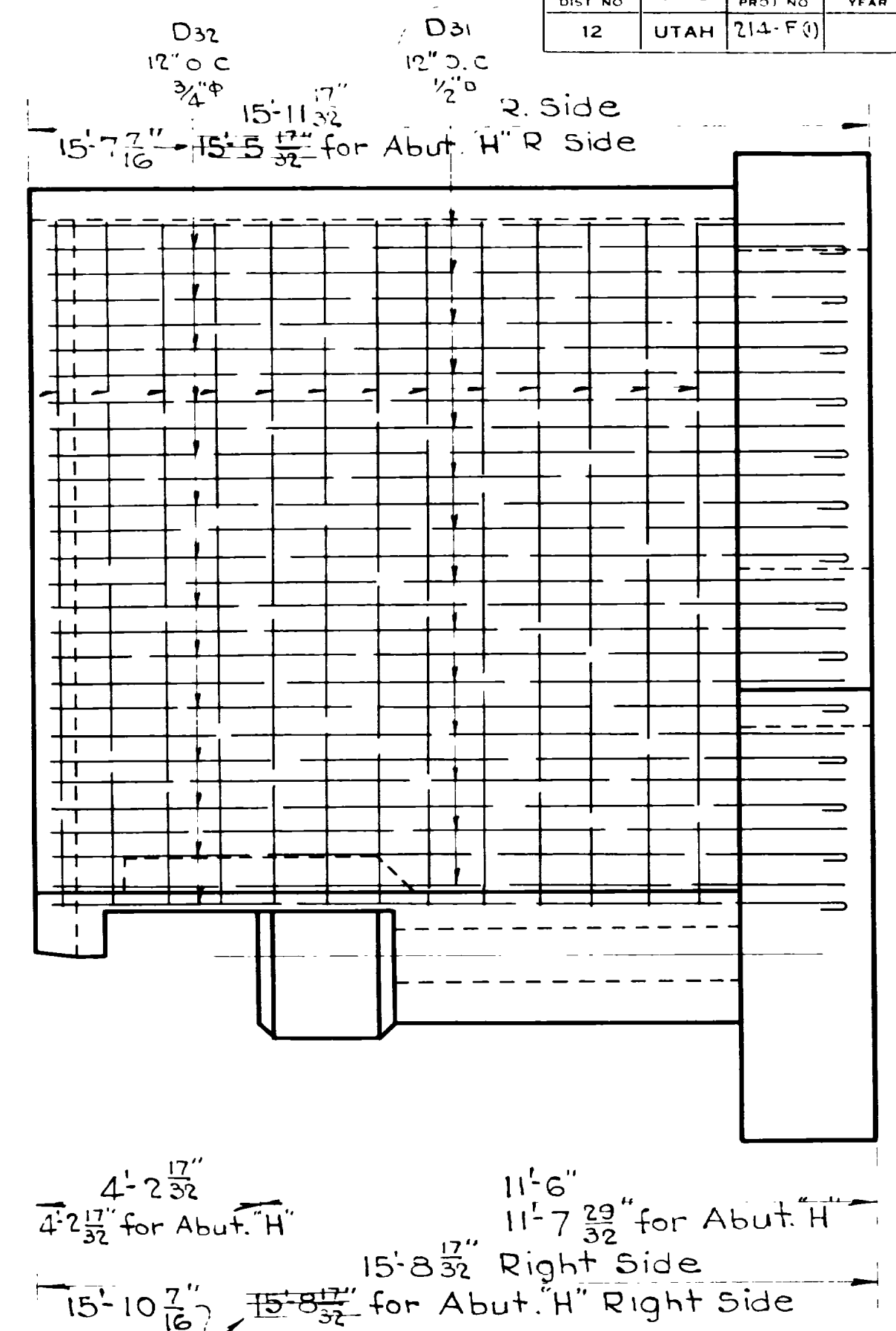
NO.	DATE	BY	DESCRIPTION
1	5-20-44	E.W.L.	PRELIMINARY
2	6-11-44	E.W.L.	REVISED
3	8-11-45	E.W.L.	REVISED

Left elev. at Abut. A = 4299.85
Left elev. at Abut. H = 4293.23

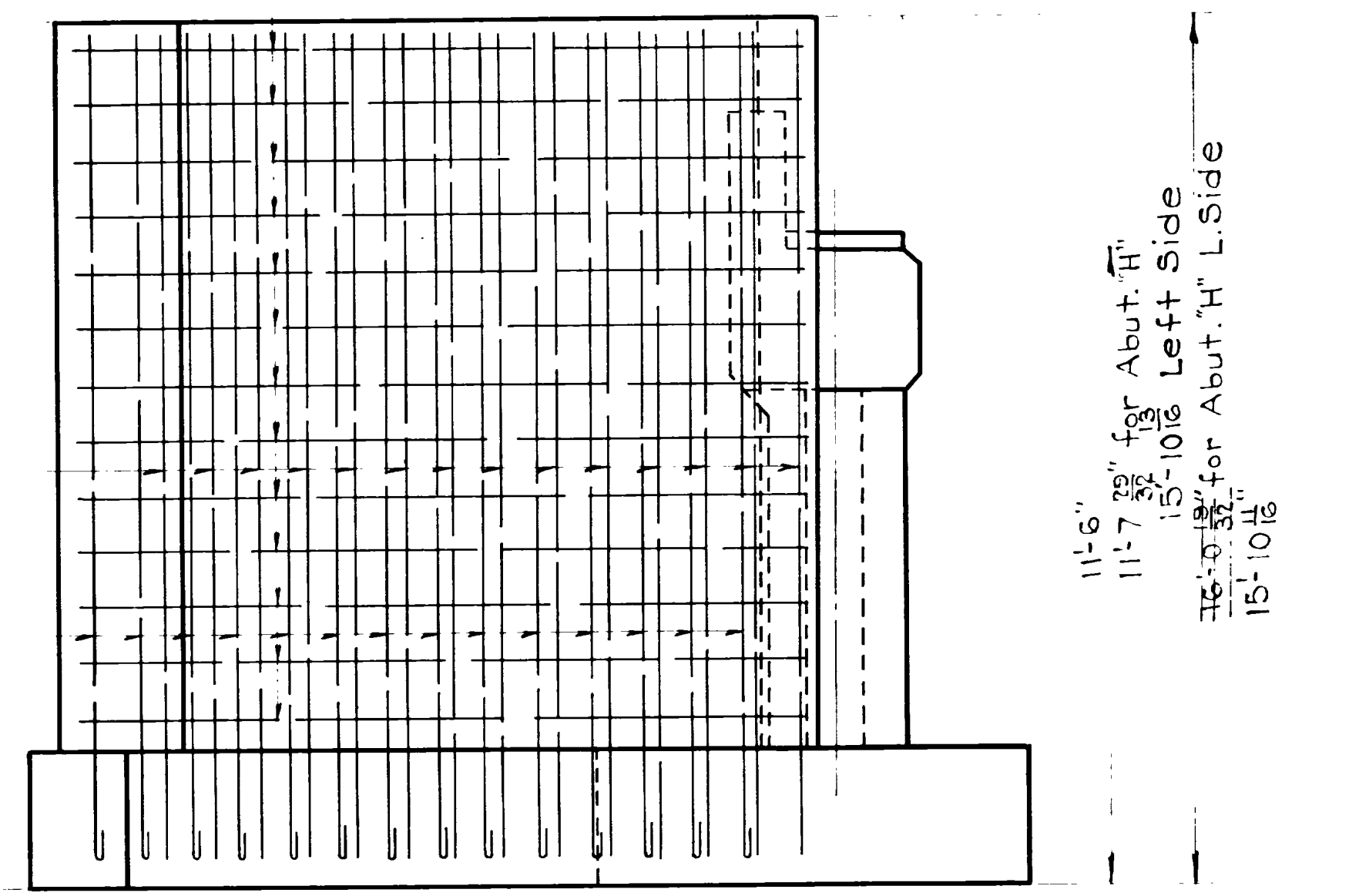
Right elev. at Abut. A = 4299.66
Right elev. at Abut. H = 4292.88



ELEVATION ABUT. A
3/8" = 1'-0"



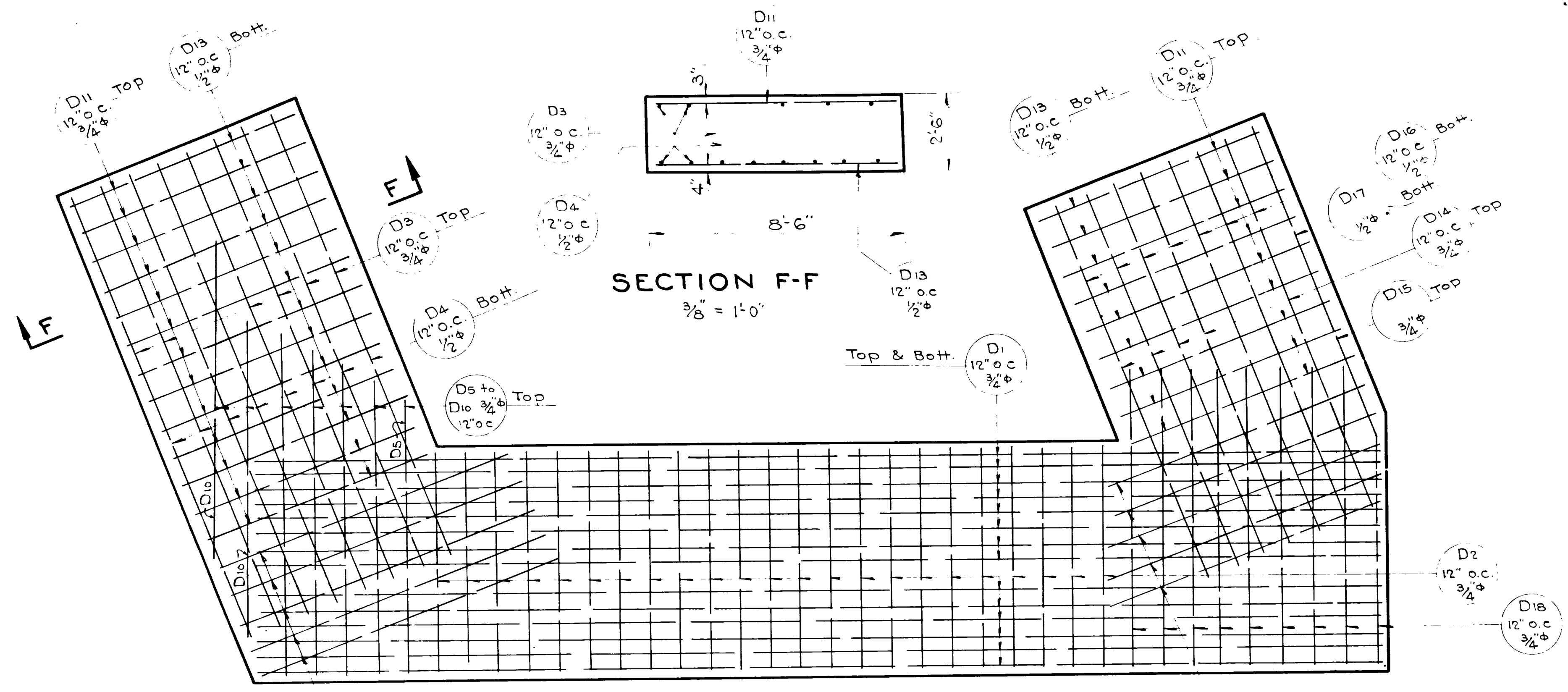
END ELEVATION F-F
3/8" = 1'-0"



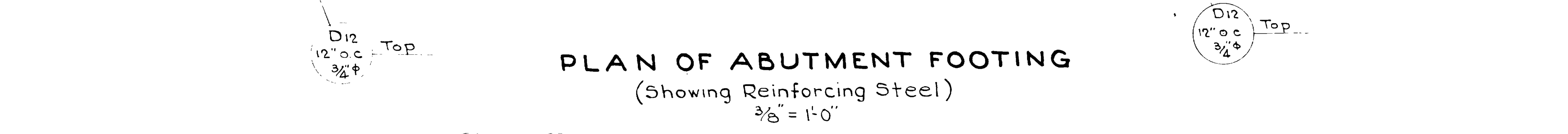
ELEVATION D-D
3/8" = 1'-0"

Sheet 10 of 16 sheets
 UTAH STATE ROAD COMMISSION
 SALT LAKE CITY, UTAH
 BRIDGE DEPARTMENT
CONTINUOUS SPAN OVERHEAD BRIDGE AT HOT SPRINGS
 Sta. 544+99.07 S.N. F.A.G.H. 214-F(3)
 Nyes Grner-Hot Springs-Weber Co.
 DESIGNED BY: E.W.L. SCALE: As noted
 DRAWN BY: R.W.L. ISSUED: Feb. 1944
 CHECKED BY: APPROVED: [Signature]
 NO. 29-23-1-3 DRG. NO. D-493

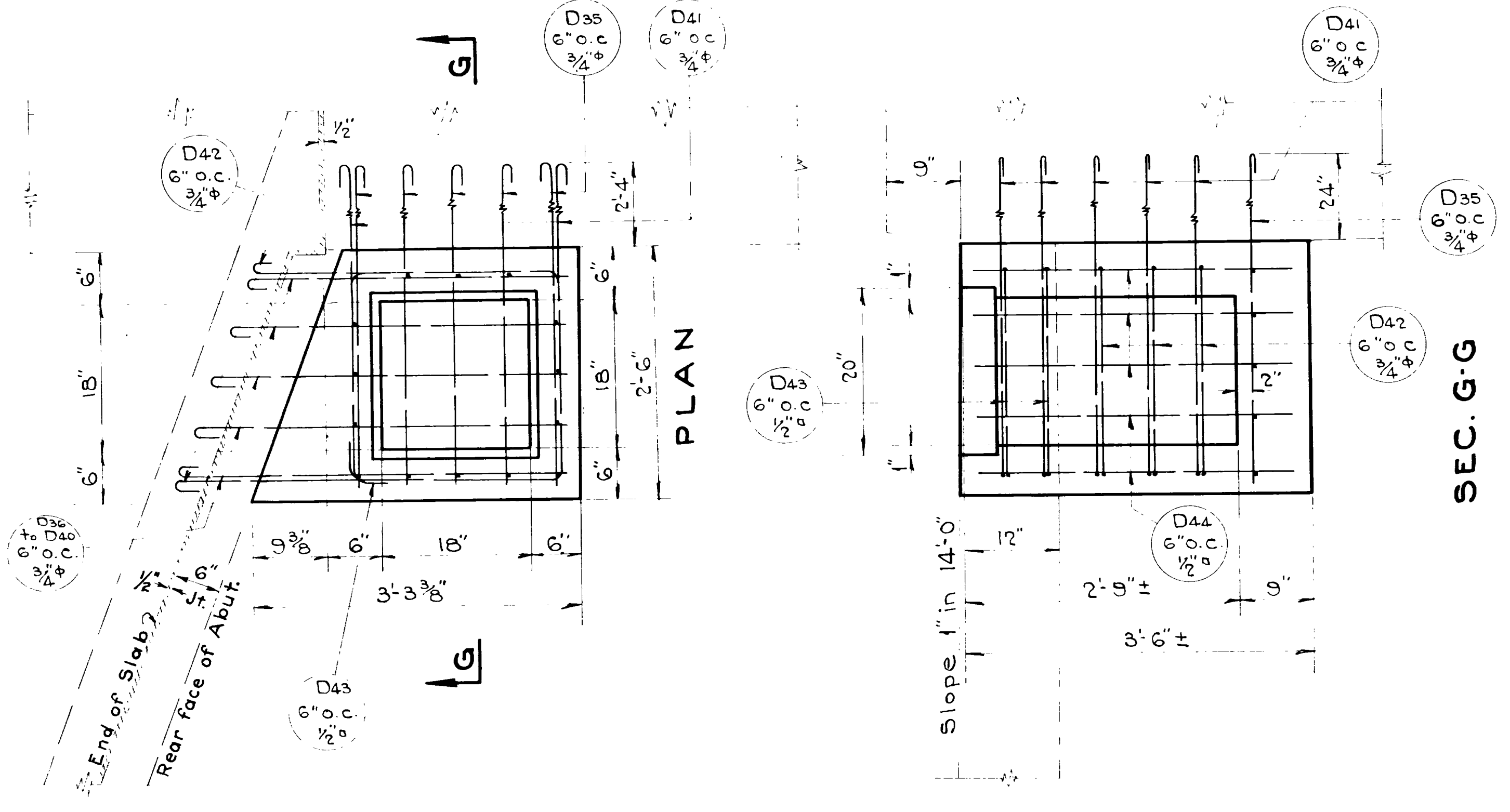
S.N.		FISCAL YEAR		SHEET NO.		TOTAL SHEETS	
FED. ROAD DIST. NO.	STATE	F.A.G.H. PROJ. NO.	YEAR	NO.	OF	NO.	OF
12	UTAH	214-F(0)					



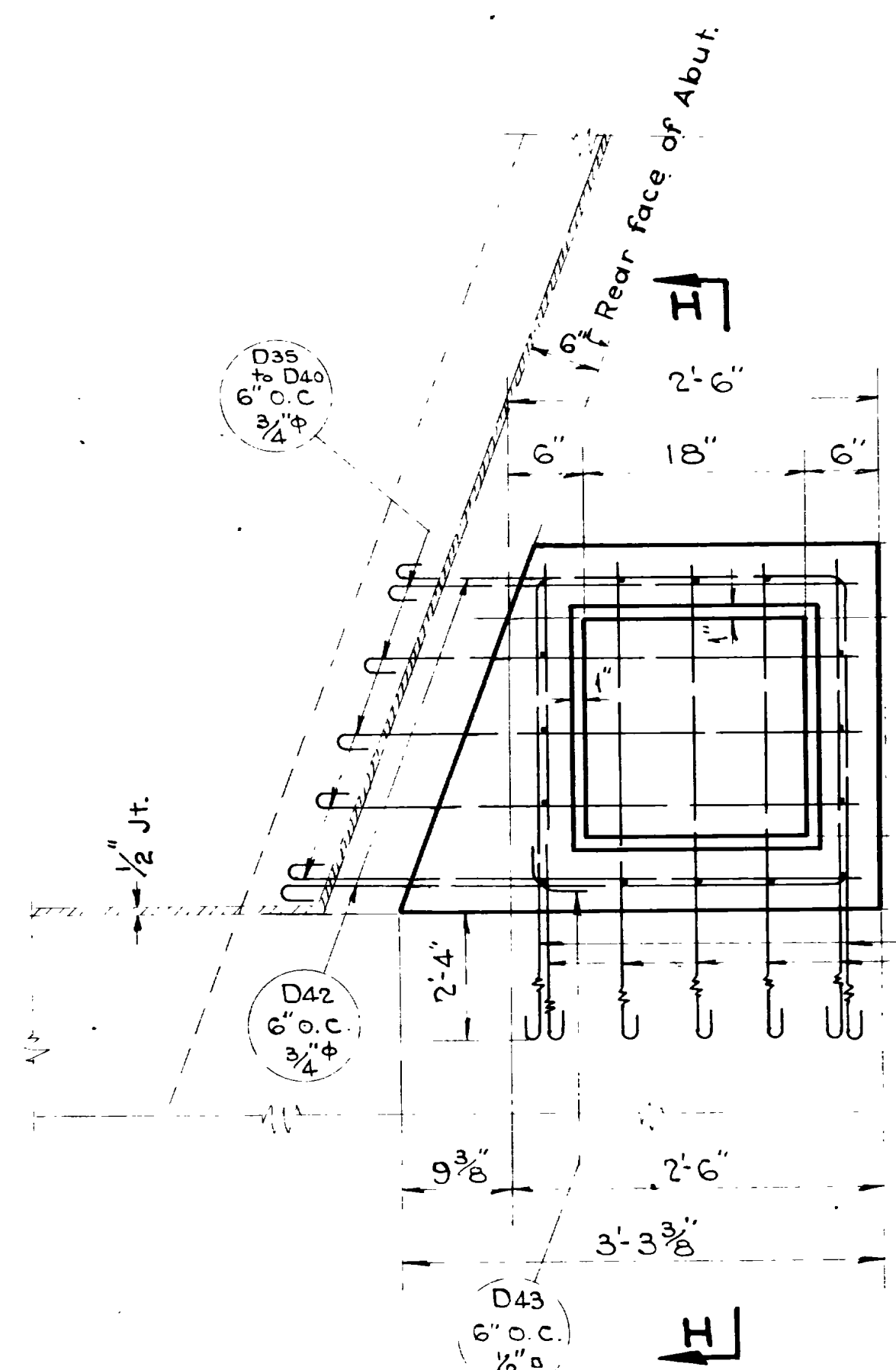
SECTION F-F
3/8" = 1'-0"



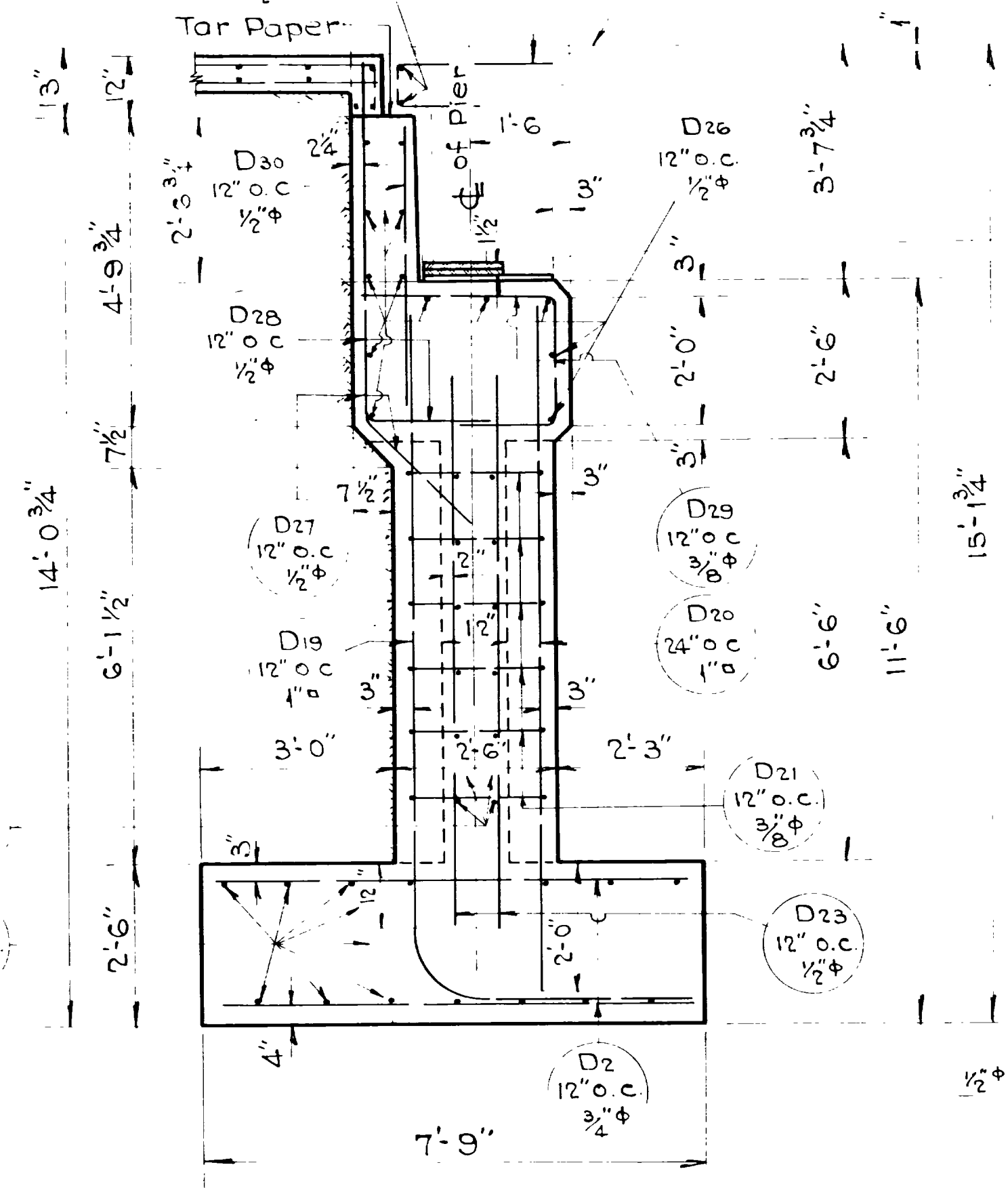
PLAN OF ABUTMENT FOOTING
(Showing Reinforcing Steel)
3/8" = 1'-0"



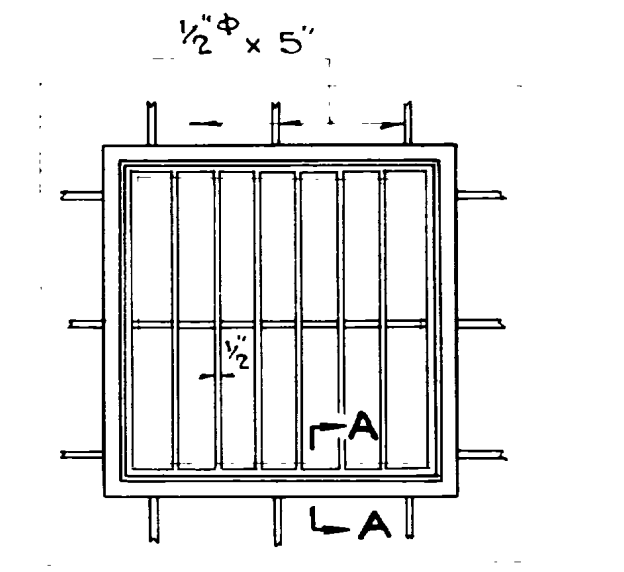
DETAIL OF CATCH BASIN No. 1
1" = 1'-0"



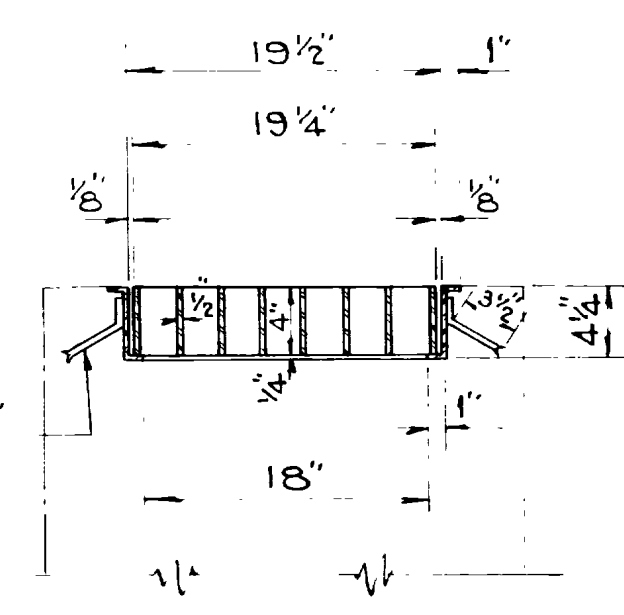
DETAIL OF CATCH BASIN No. 2
1" = 1'-0"



SECTION E-E (SHEET 10)
1/2" = 1'-0"

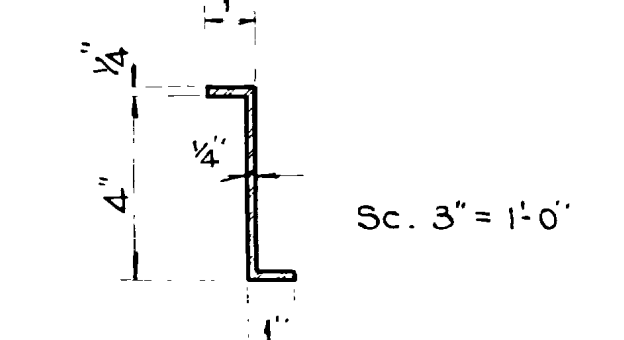


PLAN



SECTION

GRATING DETAILS
4-Reqd. Wt. Ea. = 115#
1" = 1'-0"



GRATING FRAME
SEC. A-A
4-Reqd. Wt. Ea. = 38#

SEC. H-H

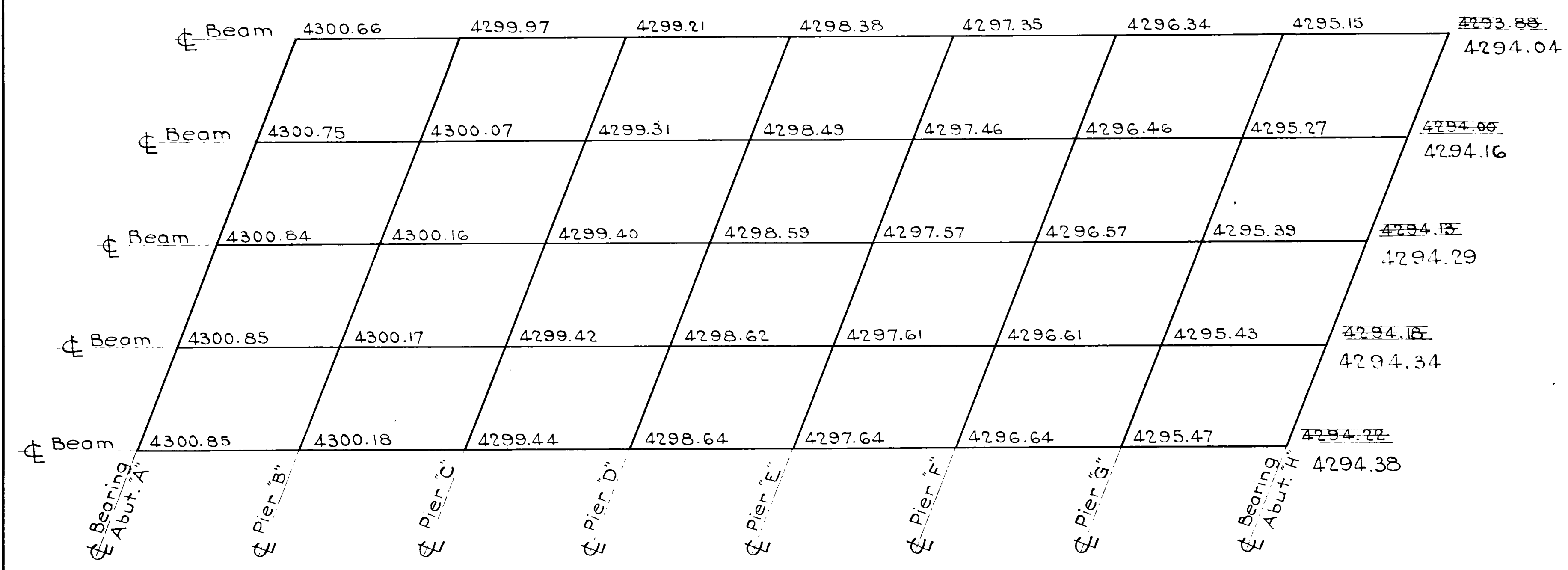
Sheet 11 of 16 sheets

UTAH STATE ROAD COMMISSION
SALT LAKE CITY - UTAH
BRIDGE DEPARTMENT
**CONTINUOUS SPAN OVERHEAD
BRIDGE AT HOT SPRINGS**
Sta. 544+99.07 S.N. FA.G.H. 214-F(0)
Nyes Corner - Hot Springs - Weber Co.

DESIGNED BY: E.W. R.W.1
DRAWN BY: R.W.1
CHECKED BY: [Signature]
EXAMINED BY: [Signature]
SCALE: As noted
DATE: Feb. 1, 1944
APP. [Signature]
BRIDGE NO. 29-23-1-3 ORG. D-493

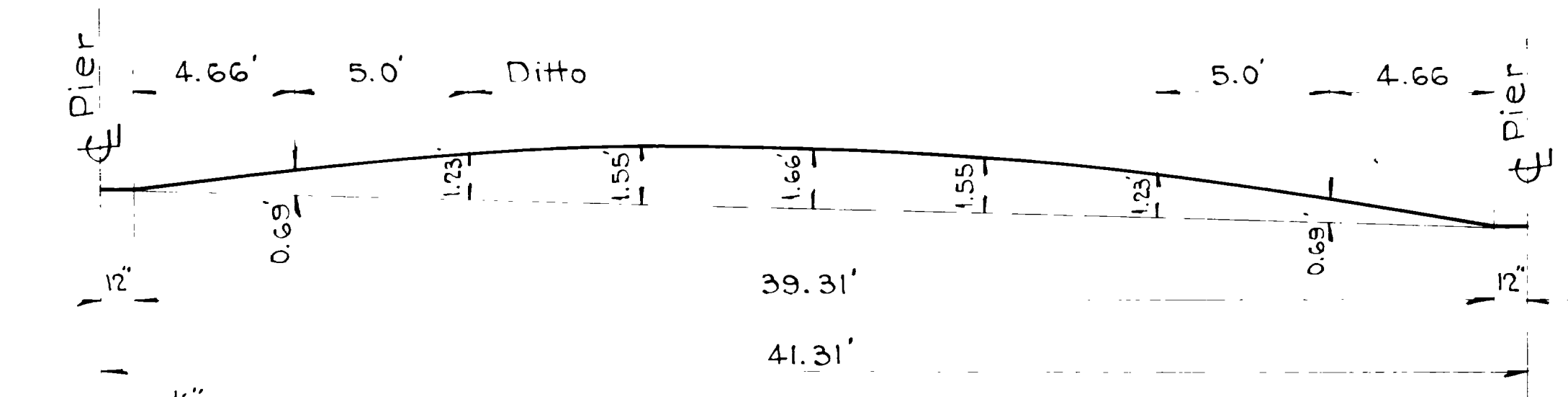
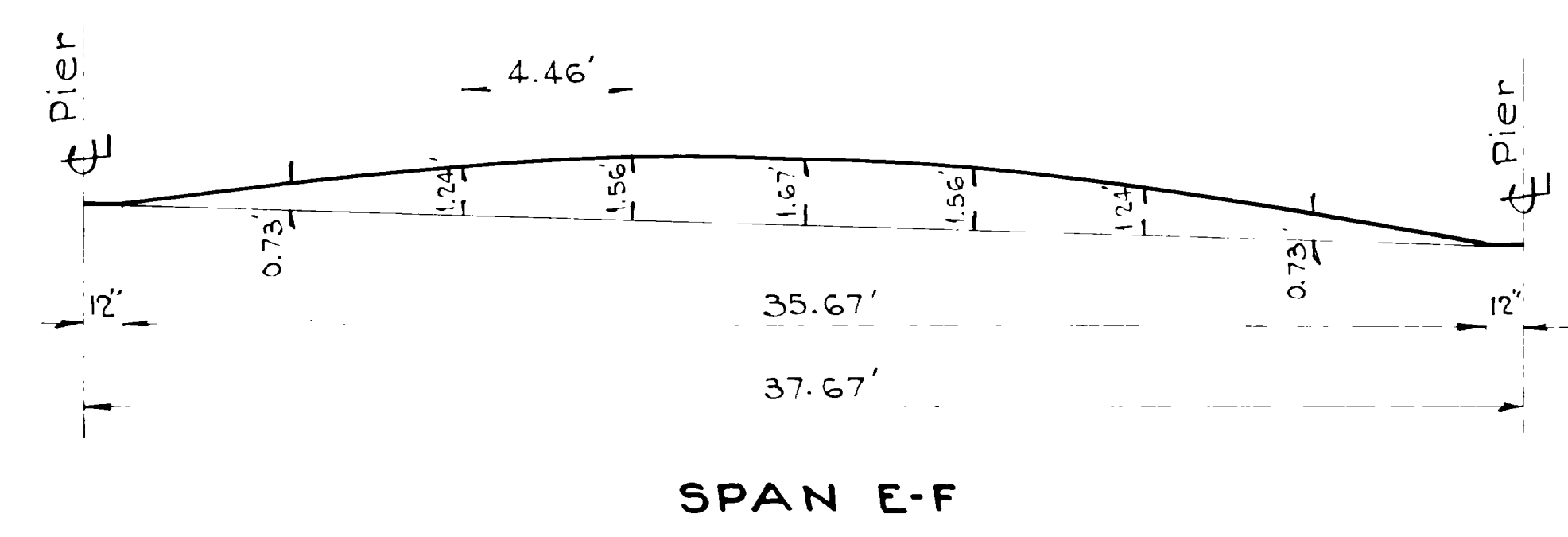
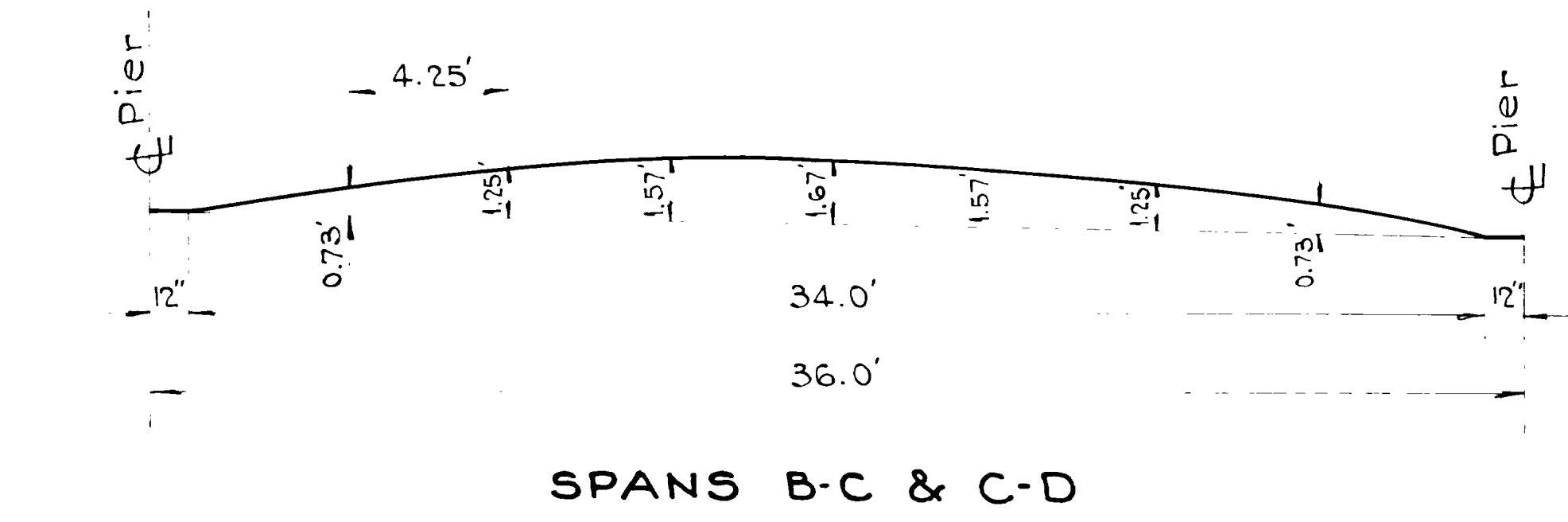
REVISIONS	DATE	BY
1	12-20-43	E.V.
2	1-20-44	E.V.

S.N.					
FED. ROAD DIST. NO.	STATE	F.A.G.H. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
12	UTAH	214-F0			



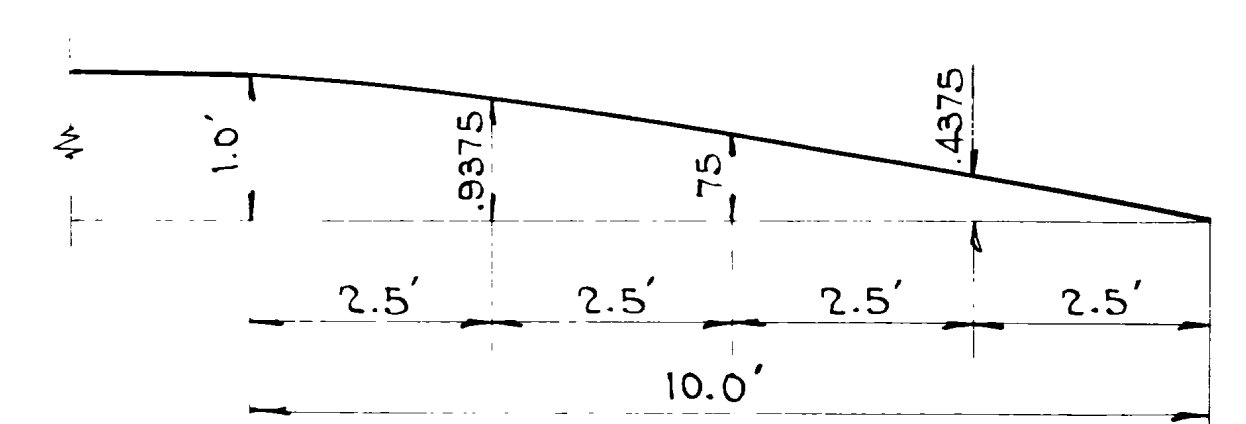
Note: Top of Slab elevations over Pier centers for displacement of 17.67' to the right of Survey Elevations include camber.

DIAGRAM SHOWING TOP OF SLAB ELEVATIONS



Note: All ordinates in beams of same span are similar.

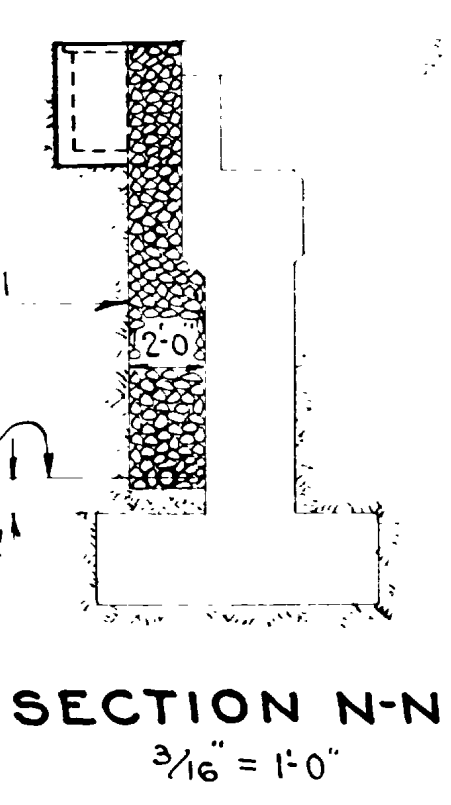
BEAM ORDINATES
1/4" = 1'-0"



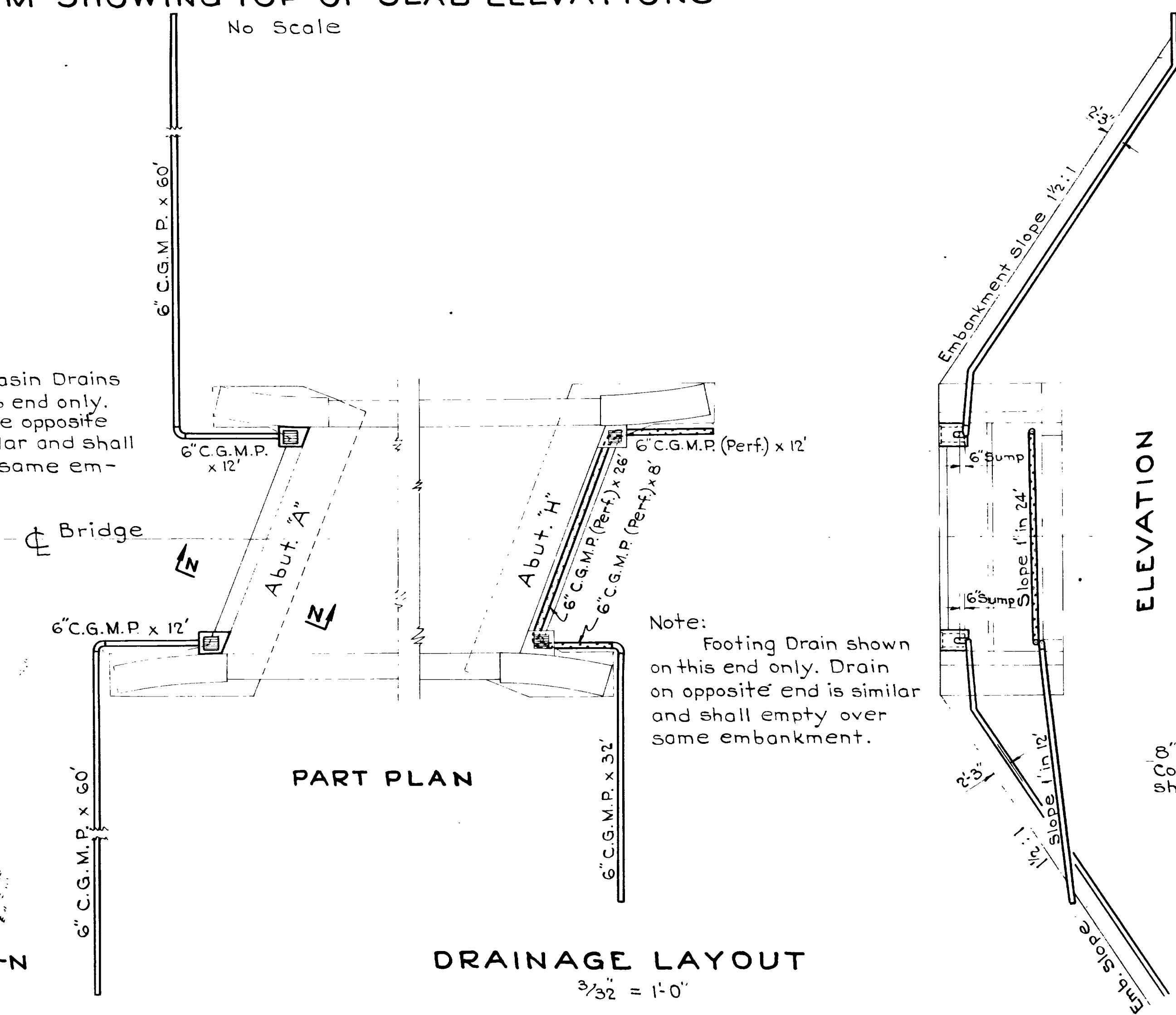
HAUNCH ORDINATES - SPANS A-B & G-H
1/2" = 1'-0"

REVISIONS	DATE	BY
1	5-20-44	E.W.
2	5-16-45	E.W.

Note: Catch Basin Drains shown on this end only. Drains on the opposite end are similar and shall empty over same embankment.



SECTION N-N
3/16" = 1'-0"

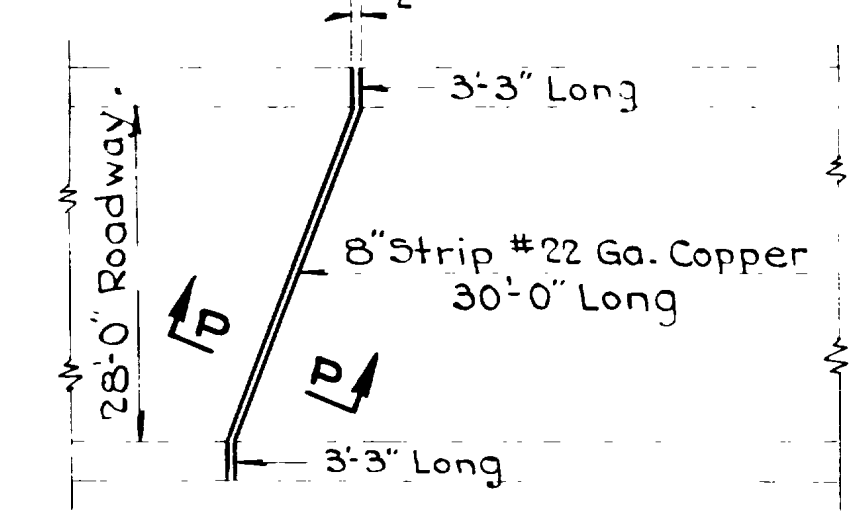


Note: Footing Drain shown on this end only. Drain on opposite end is similar and shall empty over same embankment.

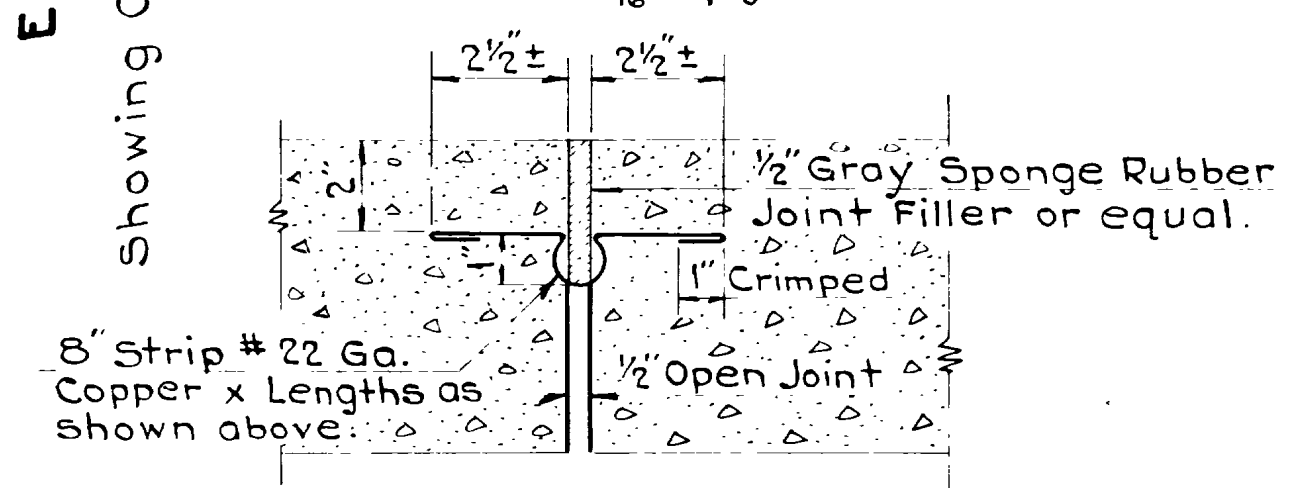
DRAINAGE LAYOUT
3/32" = 1'-0"

ELEVATION

Showing Catch Basin & Footing Drains



LAYOUT
1/16" = 1'-0"



SECTION P-P
3" = 1'-0"

EXPANSION JOINT DETAILS
Required: 73 Lin. Ft. @ 1.27#/ft

Sheet 12 of 16 sheets

UTAH STATE ROAD COMMISSION
SALT LAKE CITY - UTAH
BRIDGE DEPARTMENT

CONTINUOUS SPAN OVERHEAD
BRIDGE AT HOT SPRINGS
Sta. 544+99.07 S.N. F.A.G.H. 214-F0
Nyes Corner-Hot Springs - Weber Co.

DESIGNED BY E.W. SCALE As noted
DRAWN BY R.W.L. ISSUED Feb. 1, 1944
CHECKED BY APPROVED
EXAMINED BY

BR. NO. 29-23-1-3 DRG. NO. D-493

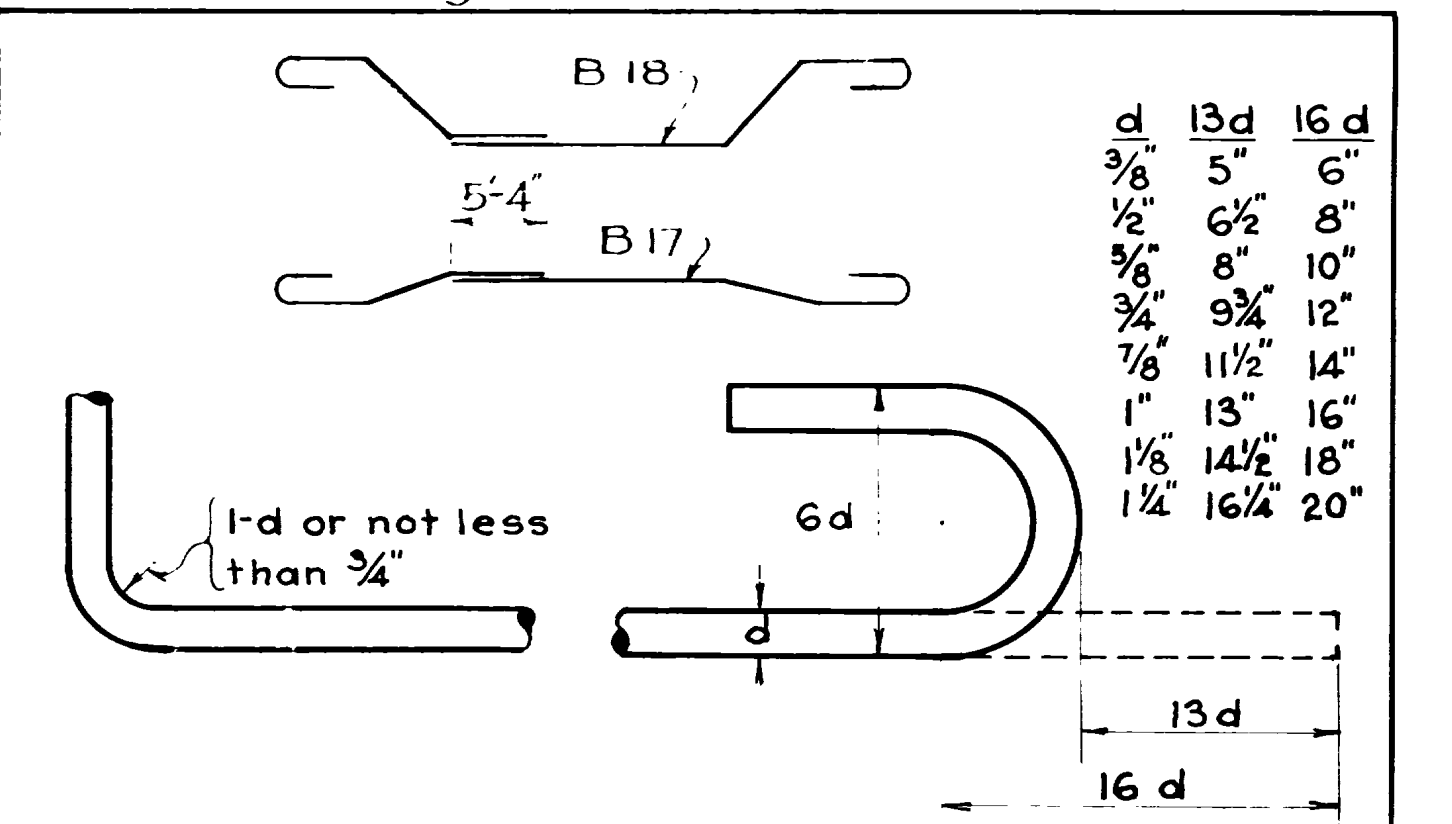
MARK	LOCATION	SIZE	LGTH.	No. BARS	TOTAL LENGTH	SKETCH	O.to.O.
A1	Sidewalk 36' Span	3/8"	36'-0"	16	576'-0"		576'-0"
A2	" " 41' "	3/8"	41'-3"	16	660'-0"		
A3	" cont. "	3/8"	50'-2"	64	3210'-8"		
A4	Sidewalk	1/2"	4'-11"	542	2664'-10"		2615'-8"
A5	T. & B. Slab 36' Span	1/2"	36'-9"	87	3197'-3"		3197'-3"
A6	" " 41' "	1/2"	42'-6"	87	3654'-0"		
A7	" " cont. "	1/2"	49'-5"	144	7116'-0"		
A8	Top & Bott. of Slab	1/2"	6'-4"	24	152'-0"		5'-9 1/2"
A9	" " " "	1/2"	10'-0"	24	240'-0"		9'-5 1/2"
A10	" " " "	1/2"	13'-8"	24	328'-0"		13'-1 1/2"
A11	" " " "	1/2"	17'-4"	24	416'-0"		16'-9"
A12	" " " "	1/2"	21'-0"	24	504'-0"		20'-5"
A13	" " " "	1/2"	24'-7"	24	590'-0"		24'-0 1/2"
A14	" " " "	1/2"	28'-3"	24	678'-0"		27'-8 1/2"
A15	" " " "	1/2"	31'-6"	24	758'-0"		30'-5"
A16	Top & Bott. of Slab	1/2"	29'-7"	8	236'-8"		29'-0 1/2"
A17	Top & Bott. of Slab	1/2"	32'-5"	330	10,697'-6"	See sketch	30'-5"
A18	Top & Bott. of Slab	1/2"	30'-6"	2	61'-0"	See sketch	29'-0 1/2"
A19	" " " "	1/2"	8'-5"	12	101'-0"	See sketch	8'-4"

MARK	LOCATION	SIZE	LGTH.	No. BARS	TOTAL LENGTH	SKETCH	O.to.O.
A20	Top & Bott. of Slab	1/2"	12'-2"	12	146'-0"		
A21	Top & Bott. of Slab	1/2"	16'-0"	12	192'-0"	See sketch	14'-11 1/2"
A22	Top & Bott. of Slab	1/2"	19'-8"	12	236'-0"	See sketch	18'-7"
A23	Top & Bott. of Slab	1/2"	23'-5"	12	281'-0"	See sketch	22'-2 1/2"
A24	Top & Bott. of Slab	1/2"	27'-3"	16	436'-0"	See sketch	25'-10 1/2"
A25	Top of Slab - Span B-C	1/2"	27'-6"	51	1402'-6"		
A26	" " " over Pier C	1/2"	24'-0"	59	1416'-0"		
A27	" " " " D	1/2"	25'-2"	59	1484'-0"		
A28	" " " " E	1/2"	23'-0"	59	1357'-0"		
A29	" " " " F	1/2"	26'-3"	59	1548'-9"		
A30	" " " Span C-D	1/2"	19'-2"	59	1130'-10"		
A31	" " " " D-E	1/2"	23'-8"	59	1396'-4"		
A32	" " " " E-F	1/2"	22'-8"	59	1337'-4"		

MARK	LOCATION	SIZE	LGTH.	No. BARS	TOTAL LENGTH	SKETCH	O.to.O.
A33	Top of Slab - Span F-G	1/2"	30'-4"	51	1547'-0"		
A34	" " " " Span A-B	1/2"	2'-7"	1	10'-4"		2'-0"
A35	End of Outside Slabs	1/2"	4'-7"	56	256'-8"		
A36	" " " "	1/2"	29'-8"	4	118'-8"		
B1	Bott. T-Beam A-B	1/4"	39'-0"	20	780'-0"		
B2	" " " "	1/4"	39'-8"	20	793'-4"		
B3	Bott. T-Beam B-C	1/4"	30'-0"	20	600'-0"		
B4	T-Beam Pier C	1/4"	24'-0"	20	480'-0"		
B5	T-Beam B-C	1/4"	37'-10"	20	756'-8"		
B6	T-Beam Pier D	1/4"	25'-0"	20	500'-0"		
B7	T-Beam C-D	1/4"	19'-6"	20	390'-0"		
B8	" " " "	1/4"	26'-0"	20	520'-0"		

MARK	LOCATION	SIZE	LGTH.	No. BARS	TOTAL LENGTH	SKETCH	O.to.O.
B9	Over Pier E	1/4"	23'-0"	20	460'-0"		
B10	T-Beam D-E	1/4"	24'-0"	20	480'-0"		
B11	" " " "	1/4"	29'-4"	20	586'-8"		
B12	Over Pier F	1/4"	21'-8"	20	433'-4"		
B13	T-Beam E-F	1/4"	28'-8"	20	573'-4"		
B14	" " " "	1/4"	26'-8"	20	533'-4"		
B15	T-Beam F-G	1/4"	33'-8"	20	673'-4"		
B16	" " " "	1/4"	37'-0"	20	740'-0"		
* B17	T-Beam G-H	1/4"	44'-3"	20	885'-0"		36'-2"
* B18	" " " "	1/4"	44'-9"	20	895'-0"		35'-6"
B19	" " " "	1/4"	30'-9"	20	615'-0"		27'-10"

* Cut these bars and splice with lap of 5'-4" as shown below. Alternate splices left and right.



ROD NOTES

When hooks are called for the lengths given in the Total Length column include allowance for hooks as shown in above detail. Lengths given in sketches are center to center of bend points. Bar diagrams are not drawn to scale and those bars not detailed are either straight or field bent.

MARK	LOCATION	SIZE	LGTH.	No. BARS	TOTAL LENGTH	SKETCH	O.to.O.
B22	All T-Beams	1/2"	4'-7"	690	3162'-6"		
B23	T-Beams	1/2"	4'-8"	20	93'-4"		
B24	"	1/2"	4'-8"	93	393'-4"		
B25	"	1/2"	4'-9"	96	411'-0"		
B26	"	1/2"	4'-10"	96	416'-0"		
B27	"	1/2"	5'-0"	100	500'-0"		
B28	"	1/2"	5'-1"	101	505'-0"		
B29	"	1/2"	5'-3"	105	525'-0"		
B30	"	1/2"	5'-4"	106	526'-0"		
B31	"	1/2"	5'-6"	110	546'-0"		
B32	"	1/2"	5'-8"	113	564'-0"		
B33	"	1/2"	5'-9"	115	570'-0"		
B34	"	1/2"	5'-11"	118	598'-0"		
B35	"	1/2"	6'-1"	121	606'-0"		
B36	"	1/2"	6'-4"	126	636'-0"		
B37	"	1/2"	6'-6"	130	660'-0"		
B38	"	1/2"	6'-8"	133	678'-0"		
B39	"	1/2"	6'-11"	138	726'-0"		
B40	"	1/2"	7'-1"	141	744'-0"		
B41	"	1/2"	7'-3"	145	771'-0"		
B42	"	1/2"	7'-6"	150	810'-0"		
B43	"	1/2"	7'-8"	153	834'-0"		
B44	"	1/2"	7'-11"	158	888'-0"		
B45	"	1/2"	8'-0"	20	160'-0"		
B46	"	1/2"	4'-8"	10	46'-0"		
B47	"	1/2"	4'-9"	20	95'-0"		
B48	T-Beams	1/2"	4'-9"	20	95'-0"		

MARK	LOCATION	SIZE	LGTH.	No. BARS	TOTAL LENGTH	SKETCH	O.to.O.
B49	T-Beams	1/2"	4'-9"	20	95'-0"		
B50	"	1/2"	4'-10"	96	384'-0"		
B51	"	1/2"	4'-11"	98	402'-0"		
B52	"	1/2"	4'-11"	98	402'-0"		
B53	"	1/2"	5'-1"	101	405'-0"		
B54	"	1/2"	5'-2"	103	422'-0"		
B55	"	1/2"	5'-4"	106	426'-0"		
B56	"	1/2"	5'-5"	108	432'-0"		
B57	"	1/2"	5'-7"	111	447'-0"		
B58	"	1/2"	5'-8"	113	452'-0"		
B59	"	1/2"	5'-10"	116	468'-0"		
B60	"	1/2"	6'-0"	120	480'-0"		
B61	"	1/2"	6'-2"	123	492'-0"		
B62	"	1/2"	6'-4"	126	504'-0"		
B63	"	1/2"	6'-6"	130	520'-0"		
B64	"	1/2"	6'-8"	133	534'-0"		
B65	"	1/2"	6'-10"	136	546'-0"		
B66	"	1/2"	7'-0"	140	560'-0"		
B67	"	1/2"	7'-2"	143	572'-0"		
B68	"	1/2"	7'-4"	146	588'-0"		
B69	"	1/2"	7'-6"	150	600'-0"		
B70	"	1/2"	7'-9"	155	630'-0"		
B71	"	1/2"	7'-11"	158	642'-0"		
B72	"	1/2"	8'-1"	20	160'-0"		
B73	"	1/2"	4'-8"	5	23'-0"		
B74	"	1/2"	4'-8"	10	46'-0"		
B75	"	1/2"	4'-9"	1	4'-9"		
B76	"	1/2"	4'-9"	1	4'-9"		
B77	"	1/2"	4'-10"	1	4'-10"		
B78	"	1/2"	4'-11"	1	4'-11"		
B79	"	1/2"	5'-0"	1	5'-0"		
B80	T-Beams	1/2"	5'-1"	10	50'-0"		

MARK	LOCATION	SIZE	LGTH.	No. BARS	TOTAL LENGTH	SKETCH	O.to.O.
B81	T-Beams	1/2"	5'-3"	10	52'-6"		
B82	"	1/2"	5'-4"	53	226'-0"		
B83	"	1/2"	5'-6"	55	243'-0"		
B84	"	1/2"	5'-8"	56	252'-0"		
B85	"	1/2"	5'-10"	58	266'-0"		
B86	"	1/2"	6'-0"	60	270'-0"		
B87	"	1/2"	6'-2"	61	276'-0"		
B88	"	1/2"	6'-4"	63	282'-0"		
B89	"	1/2"	6'-7"	65	292'-0"		
B90	"	1/2"	6'-9"	67	303'-0"		
B91	"	1/2"	6'-11"	69	315'-0"		
B92	"	1/2"	7'-1"	70	315'-0"		
B93	"	1/2"	7'-3"	72	324'-0"		
B94	"	1/2"	7'-5"	74	329'-0"		
B95	"	1/2"	7'-8"	76	336'-0"		
B96	"	1/2"	7'-10"	78	342'-0"		
B97	"	1/2"	8'-0"	80	360'-0"		
B98	"	1/2"	6'-1"	195	1165'-0"		
B99	"	1/2"	6'-1"	20	121'-0"		
B100	"	1/2"	6'-2"	123	738'-0"		
B101	"	1/2"	6'-3"	125	750'-0"		
B102	"	1/2"	6'-4"	126	756'-0"		
B103	"	1/2"	6'-5"	128	768'-0"		
B104	"	1/2"	6'-7"	131	783'-0"		
B105	"	1/2"	6'-9"	135	802'-0"		
B106	"	1/2"	6'-10"	136	816'-0"		
B107	"	1/2"	7'-0"	140	840'-0"		
B108	"	1/2"	7'-2"	143	854'-0"		
B109	"	1/2"	7'-4"	146	876'-0"		
B110	"	1/2"	7'-6"	150	900'-0"		
B111	T-Beams	1/2"	7'-9"	20	155'-0"		

MARK	LOCATION	SIZE	LGTH.	No. BARS	TOTAL LENGTH	SKETCH	O.to O
B112	T-Beams	3/8"	7'-11"	20	158'-4"		
B113	"	3/8"	8'-1"	20	161'-8"		
C1	Pier Columns	1"	34'-8"	300	10,400'-0"		
C1-1	"	1"	19'-5"	80	1,553'-4"		18'-4"
C2	"	1"	29'-3"	60	1,755'-0"		
C3	"	3/8"	10'-3"	720	7,380'-0"		
C4	Pier Footings	3/4"	35'-6"	46	1,633'-0"		
C5	"	1/2"	35'-6"	46	1,633'-0"		
C6	"	3/8"	6'-6"	144	936'-0"		
C6-1	Pier Ftgs C & F	3/8"	8'-0"	142	1,136'-0"		
C7	Pier Footings	1/2"	6'-6"	144	936'-0"		
C7-1	Pier Ftgs C & F	1/2"	8'-0"	72	576'-0"		
C8	Top Piers	1/2"	33'-5"	48	1,604'-0"		

MARK	LOCATION	SIZE	LGTH.	No. BARS	TOTAL LENGTH	SKETCH	O.to O
C9	Top Piers	3/8"	10'-8"	204	2,176'-0"		
C10	Pier Curtain Wall	1/2"	33'-3"	144	4,788'-0"		32'-2"
C11	"	1/2"	13'-9"	240	3,300'-0"		
D1	Abut. Footings	3/4"	37'-3"	28	1,043'-0"		
D2	"	3/4"	7'-6"	92	690'-0"		
D3	"	3/4"	15'-9"	12	189'-0"		
D4	"	1/2"	15'-9"	16	252'-0"		
D5	"	3/4"	8'-9"	2	17'-6"		
D6	"	3/4"	9'-6"	2	19'-0"		
D7	"	3/4"	10'-3"	2	20'-6"		
D8	"	3/4"	11'-0"	2	22'-0"		
D9	"	3/4"	11'-9"	2	23'-6"		
D10	"	3/4"	8'-0"	4	32'-0"		
D11	"	3/4"	8'-2"	44	359'-4"		
D12	"	3/4"	9'-0"	20	180'-0"		
D13	"	3/4"	8'-2"	44	359'-4"		
D14	"	3/4"	13'-3"	10	132'-6"		
D15	"	3/4"	10'-9"	2	21'-6"		
D16	"	3/4"	13'-3"	14	185'-6"		
D17	"	3/4"	10'-9"	2	21'-6"		
D18	Abut. Footings	3/4"	10'-0"	18	180'-0"		
D19	Abut. Columns	1"	14'-1"	30	422'-6"		
D20	"	1"	10'-6"	20	210'-0"		

MARK	LOCATION	SIZE	LGTH.	No. BARS	TOTAL LENGTH	SKETCH	O.to O
D21	Abut. Columns	3/8"	9'-0"	60	540'-0"		
D22	Abut. Walls	1/2"	32'-2"	24	772'-0"		
D23	"	1/2"	8'-6"	80	680'-0"		
D24	End. Abut. Col.	1"	9'-8"	12	116'-0"		
D25	"	1"	10'-5"	12	125'-0"		
D26	End Abut. Sills	1/2"	33'-7"	28	940'-4"		
D27	End Abut. Backwalls	1/2"	7'-10"	30	235'-0"		
D28	"	1/2"	7'-7"	44	333'-8"		
D29	End Abut. Sills	1/2"	6'-8"	68	453'-4"		
D30	End Abut. Backwalls	1/2"	4'-3"	74	314'-6"		

FED. ROAD DIST. NO.	STATE	F.A.G.H. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
12	UTAH	214-F(0)			

MARK	LOCATION	SIZE	LGTH.	No. BARS	TOTAL LENGTH	SKETCH	O.to O
D31	Abut. Wing Walls	1/2"	15'-0"	56	840'-0"		
D32	"	1/2"	15'-10"	56	886'-8"		15'-0"
D33	"	1/2"	13'-6"	52	702'-0"		
D34	"	1/2"	13'-2"	52	684'-8"		
D35	Catch Basins	3/4"	5'-6"	20	110'-0"		4'-8"
D36	"	3/4"	1'-0"	4	16'-0"		3'-2"
D37	"	3/4"	4'-2"	4	16'-8"		3'-4"
D38	"	3/4"	4'-5"	4	17'-8"		3'-7"
D39	"	3/4"	4'-7"	4	18'-4"		3'-9"
D40	"	3/4"	4'-9"	4	19'-0"		3'-11"
D41	"	3/4"	13'-1"	20	261'-8"		
D42	"	3/4"	10'-8"	12	128'-0"		
D43	"	1/2"	9'-0"	8	72'-0"		
D44	Catch Basins	1/2"	3'-1"	64	197'-4"		

REVISIONS	DATE	BY	CHKD.
1	5-19-44	E.W.	E.W.
2	6-21-44	E.W.	E.W.

MARK	LOCATION	SIZE	LGTH.	No. BARS	TOTAL LENGTH	SKETCH	O.to O
P1	End Posts of Rail.	3/8"	11'-9"	48	564'-0"		
P2	"	3/8"	5'-9"	96	552'-0"		
P3	Inter. Posts & Panels	3/4"	2'-9"	368	1,012'-0"		
P3-1	Panels	3/4"	2'-2"	56	121'-4"		
P4	Intermed. Posts	3/4"	4'-4"	72	312'-0"		3'-6 1/2"
P5	Railing & Panels	3/4"	4'-1"	1,048	4,279'-4"		3'-3 1/2"
P6	End & Int. Posts	3/4"	1'-6"	224	336'-0"		
P7	End Post Curb	3/4"	13'-3"	32	424'-0"		
P8	Railing	3/4"	7'-9"	96	744'-0"		
P9	"	3/4"	8'-9"	128	1,120'-0"		
P10	"	3/4"	9'-9"	32	312'-6"		
P11	"	3/4"	10'-9"	32	344'-0"		
P12	"	3/4"	11'-9"	32	376'-0"		
P13	"	3/4"	12'-9"	16	204'-0"		
P14	End Post Side Walk	1/2"	4'-11"	56	275'-4"		
E1	Pier Cap Dowels	1"	4'-0"	160	640'-0"		
E2	Cross Beams Diaphragms	1"	33'-4"	28	933'-4"		31'-2"
E3	Cross Beams	3/8"	2'-10"	168	476'-0"		
E4	Diaphragms	3/8"	4'-2"	240	1,000'-0"		

REINFORCING STEEL

11,572'-0" of 3/8" bars @ 0.376#/ft = 4,351.07
 82,822'-7" of 1/2" " @ 0.668#/ft = 54,574.21
 5,436'-2" of 1/2" " @ 0.85#/ft = 4,620.74
 5,737'-9" of 5/8" " @ 1.043#/ft = 5,984.48
 23,256'-2" of 3/4" " @ 1.502#/ft = 34,930.76
 8,662'-10" of 1" " @ 2.670#/ft = 23,129.76
 19,322'-3" of 1" " @ 3.400#/ft = 65,695.65
 1,066'-8" of 1 1/8" " @ 4.303#/ft = 4,589.87
 6,738'-4" of 1 1/4" " @ 5.313#/ft = 35,800.76

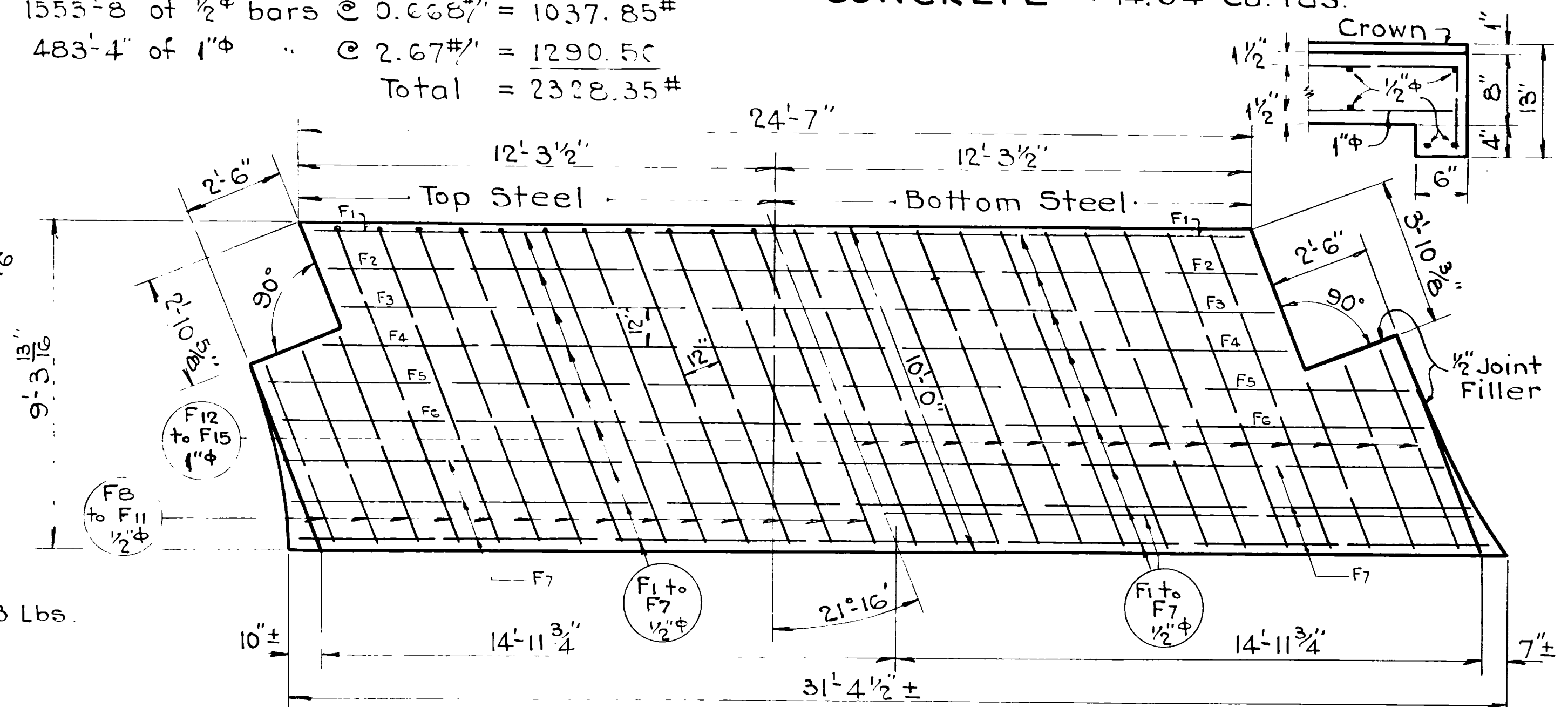
Total = 234,428.58 Lbs.
 233,036.43 Lbs.

MARK	LOCATION	SIZE	LGTH.	No. BARS	TOTAL LENGTH	SKETCH	O.to O
F1	Top & Bott. of Slab	1/2"	30'-9"	4	123'-0"		
F2	"	1/2"	30'-4"	4	121'-4"		
F3	"	1/2"	29'-11"	4	119'-8"		
F4	"	1/2"	29'-6"	4	118'-0"		
F5	"	1/2"	29'-3"	4	117'-0"		
F6	"	1/2"	25'-0"	4	100'-0"		
F7	"	1/2"	24'-2"	14	338'-4"		
F8	Top of Slab	1/2"	4'-9"	4	19'-0"		
F9	"	1/2"	5'-2"	4	20'-8"		
F10	"	1/2"	5'-6"	4	22'-0"		
F11	"	1/2"	10'-4"	44	454'-8"		

REINFORCING STEEL FOR SLAB

1555'-8" of 1/2" bars @ 0.668#/ft = 1037.85#
 483'-4" of 1" " @ 2.67#/ft = 1290.50
 Total = 2328.35#

CONCRETE = 14.64 Cu. Yds.



MARK	LOCATION	SIZE	LGTH.	No. BARS	TOTAL LENGTH	SKETCH	O.to O
F12	Bott. of Slab	1"	9'-7"	44	421'-8"		
F13	"	1"	4'-9"	4	19'-0"		
F14	"	1"	5'-2"	4	20'-8"		
F15	"	1"	5'-6"	4	22'-0"		

APPROACH SLAB

3/8" = 1'-0"

DESIGNED BY: E.W.
 DRAWN BY: E.W.
 CHECKED BY: Paul M. Masters
 EXAMINED BY: Paul M. Masters

Sheet 16 of 16 sheets

UTAH STATE ROAD COMMISSION
 SALT LAKE CITY, UTAH
 BRIDGE DEPARTMENT

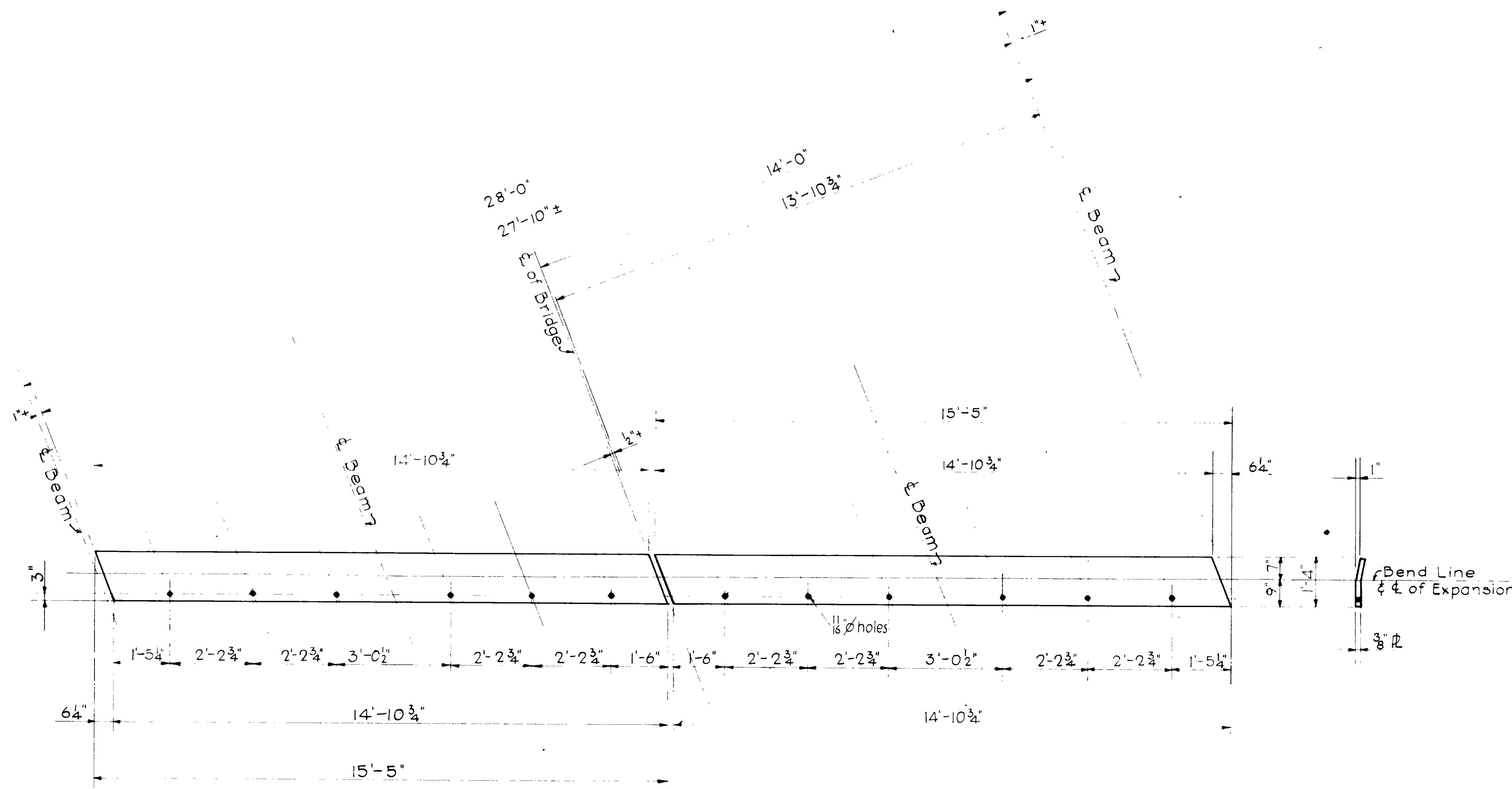
CONTINUOUS SPAN OVERHEAD BRIDGE AT HOT SPRINGS

Sta. 544+99.07 S.N. F.A.G.H. 214-F(0)
 Nye's Corner-Hot Springs-Weber Co.

DESIGNED BY: E.W. SCALE: None
 DRAWN BY: E.W. ISSUED: Feb. 1, 1944
 CHECKED BY: Paul M. Masters
 EXAMINED BY: Paul M. Masters

BR NO. 29-23-1-3 BRG. NO. D-493

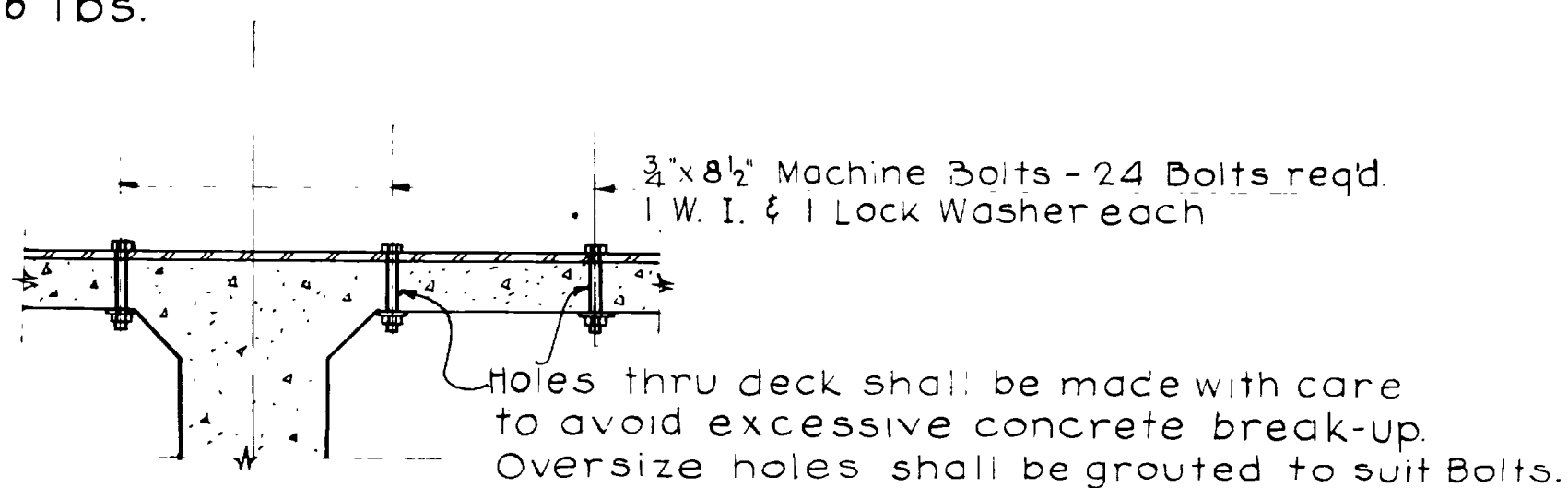
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FIN. AL. YEAR	SHEET NO.	TOTAL SHEETS
12	UTAH				



MAKE TWO PLATES THUS - MK. "A"
Weight each = 304 lbs.

MAKE TWO PLATES THUS - MK. "B"
Weight each = 304 lbs.

Total weight of Steel Plates 1,216 lbs.



SECTION ALONG C of HOLES
Wt. of Bolts and Washers 37 lbs.

GENERAL NOTES

Material, construction and workmanship shall be in accordance with State Standard Specifications for Road and Bridge Construction, 1939 Edition and Supplements thereto which are in effect at the date of request for bids.

QUANTITIES

Structural Steel Plates 1,216 lbs.
" Bolts & Washers 37 lbs.

REVISIONS	DATE	BY	SCALE	BY

UTAH STATE ROAD COMMISSION SALT LAKE CITY, UTAH BRIDGE DEPARTMENT	
HOT SPRINGS OVERHEAD REPAIRS	
Sta. 544+99.07 Nye's Corner-Hot Spr, Box Elder Co	
DESIGNED BY	None
CHECKED BY	D.S. <i>April 1, 1952</i>
APPROVED BY	<i>D.P. Peterson</i>
EXAMINED BY	
REV. NO.	2-23-1-1
DESIGN NO.	D-493 R

