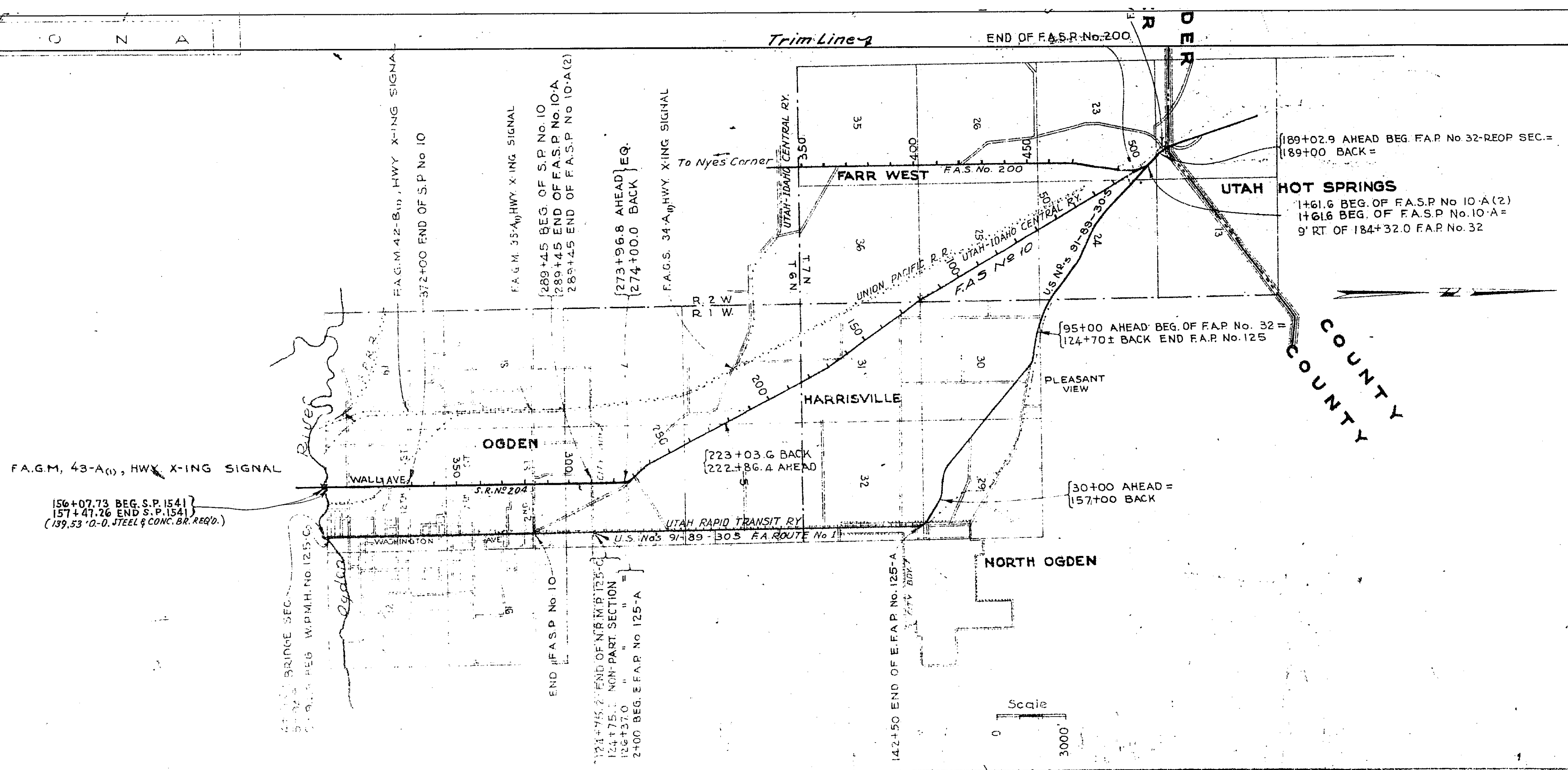


Project#: F-215 (SR-154) A (1545)
 County: 097
 Route: 204
 Beg. Ref. Post:
 End Ref. Post:
 Sheet#: /
 Sheet Type: 09



APPROVED MAY 1954
 STATE ROAD COMMISSION OF UTAH
W.L. Anderson
 ASSIST. CHIEF ENGR.

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS

APPROVED: _____
 DISTRICT ENGINEER DATE

FAS 10

Project#: F-215(3P-154) & (1545)
 County: 057
 Route: 204
 Beg. Ref. Post: 142+00
 End Ref. Post: 170+00
 Sheet#: 2
 Sheet Type: 09

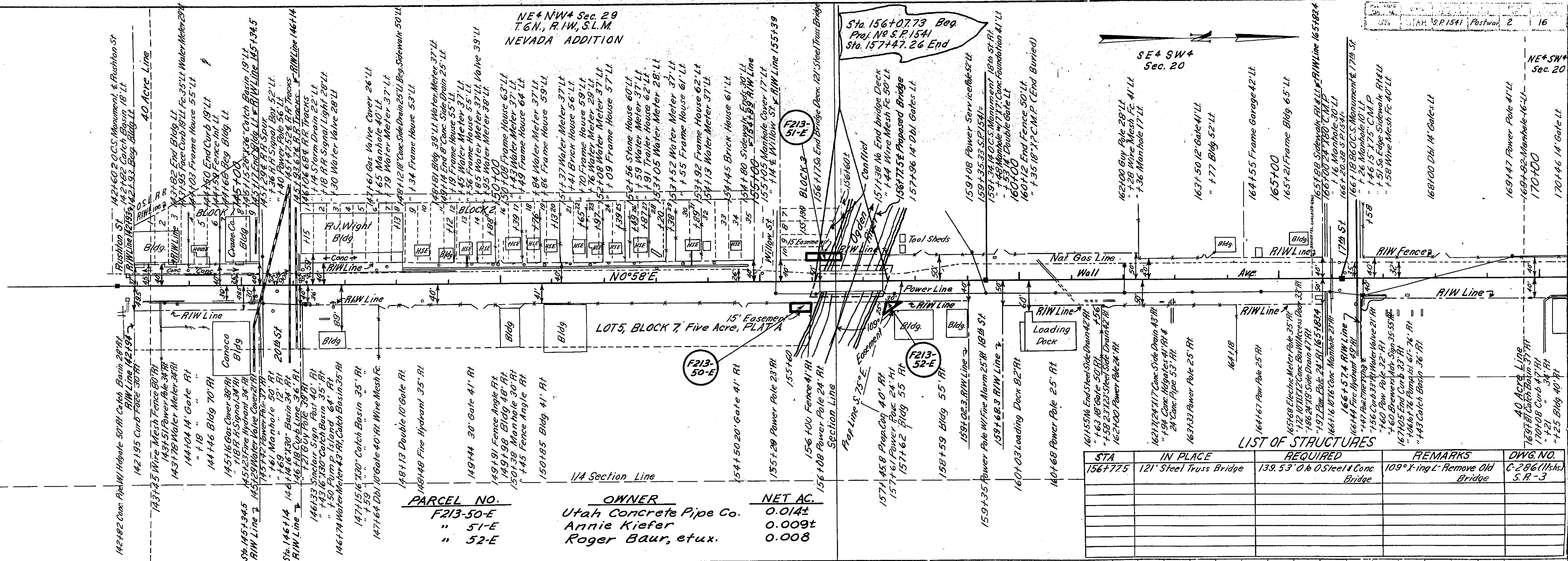
PLAN	SUR
NOTE BOOK A/LG	NO. 2268
RT. 1	J.

SE4 NW4 Sec. 29
 T.6N., R.1W., S.L.M.

NE4 NW4 Sec. 29
 T.6N., R.1W., S.L.M.
 NEVADA ADDITION

SE4 SW4
 Sec. 20

NE4 SW4
 Sec. 20



LOT 5, BLOCK 7, Five Acre, PLAT A

PARCEL NO.	OWNER	NET AC.
F213-50-E	Utah Concrete Pipe Co.	0.014±
" 51-E	Annie Kiefer	0.009±
" 52-E	Roger Baur, et ux.	0.008

LIST OF STRUCTURES

STA	IN PLACE	REQUIRED	REMARKS	DWG. NO.
156+77.5	121' Steel Truss Bridge	139.53' 0" O/S Steel & Conc. Bridge	109' X-ing L-Remove Old Bridge	C-286(11/15/15) S.R.-3

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	S.P. 1545	POST WAR	2-A	

OFFICE REVISION
 Δ = 19° 14' LT.
 D = 100'
 R = 5729.7
 T = 970.8
 L = 1923.3
 P.I. = 263+11.4

LT. EDGE OF PAVEMENT
 Δ = 8° 00' LT.
 R = 4879.1
 T = 341.2
 L = 681.3
 P.I. = 268+05.1

RT. EDGE OF PAVEMENT
 Δ = 10° 00' LT.
 R = 2630.2
 T = 230.1
 L = 453.1
 P.I. = 268+36.7

SE 1/4 NW 1/4 SEC. 8
T. 6 N. ~ R. 1 W.
 S.L.M.

REVISIONS
 NO. DATE BY
 1 10/15/45 JAB
 2 10/15/45 JAB
 3 10/15/45 JAB
 4 10/15/45 JAB
 5 10/15/45 JAB
 6 10/15/45 JAB
 7 10/15/45 JAB
 8 10/15/45 JAB
 9 10/15/45 JAB
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 99 10/15/45 JAB
 100 10/15/45 JAB

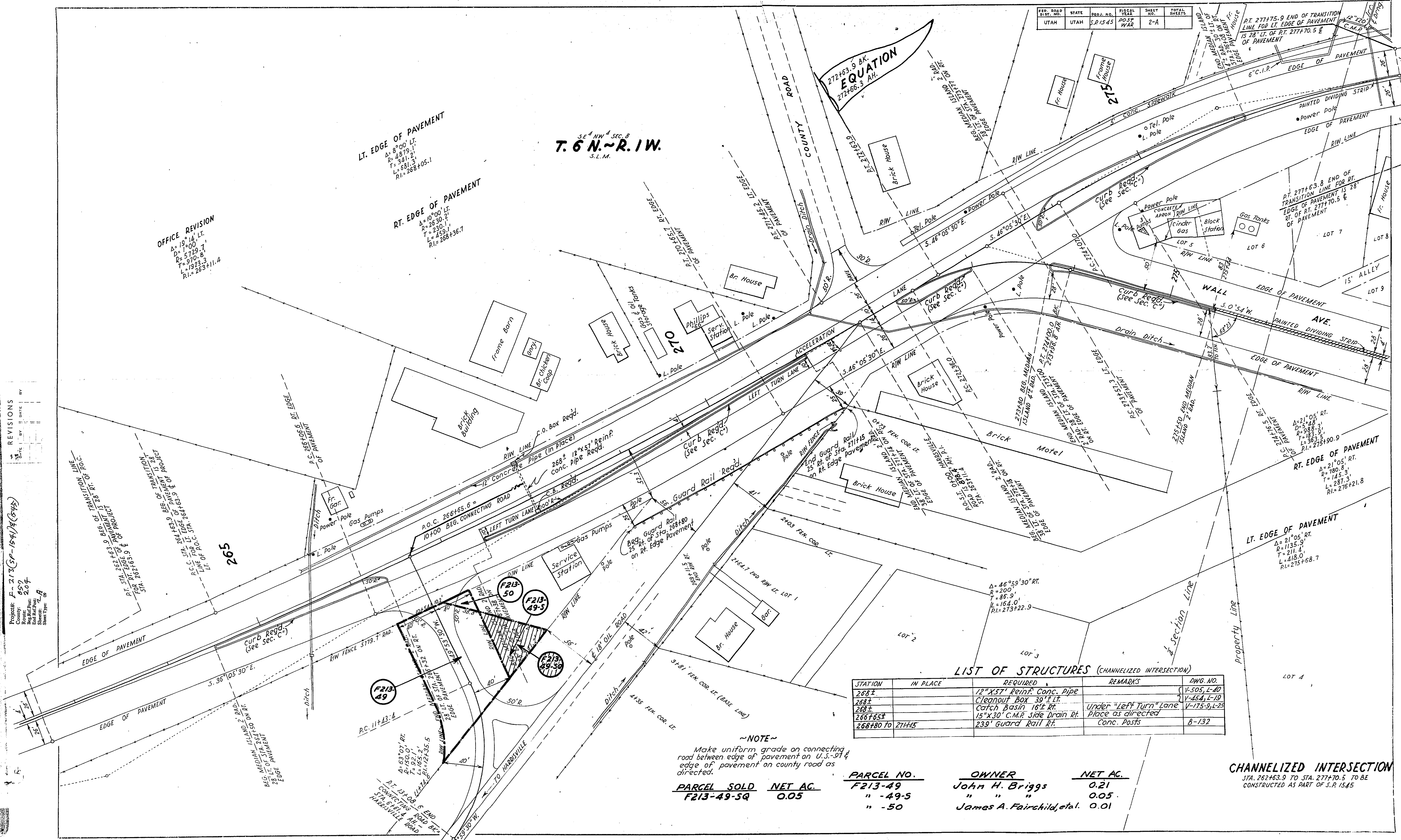
LIST OF STRUCTURES (CHANNELIZED INTERSECTION)

STATION	IN PLACE	REQUIRED	REMARKS	DWG. NO.
268±		12" X 57' Reinf. Conc. Pipe		V-505, L-40
268±		Cleanout Box 39" L.F.		V-454, L-19
268±		Catch Basin 16" Rt.	Under "Left Turn" Lane	V-175-9, L-25
266+65±		15" X 30" C.M.P. side Drain Rt.	Place as directed	
268+80 to 271+15		239' Guard Rail Rt.	Conc. Posts	B-132

~NOTE~
 Make uniform grade on connecting road between edge of pavement on U.S.-91 & edge of pavement on county road as directed.

PARCEL NO.	OWNER	NET AC.
PARCEL SOLD F213-49-5Q	John H. Briggs	0.21
" -49-5	" "	0.05
" -50	James A. Fairchild, et al.	0.01

CHANNELIZED INTERSECTION
 STA. 262+63.9 TO STA. 277+70.5 TO BE CONSTRUCTED AS PART OF S.P. 1545

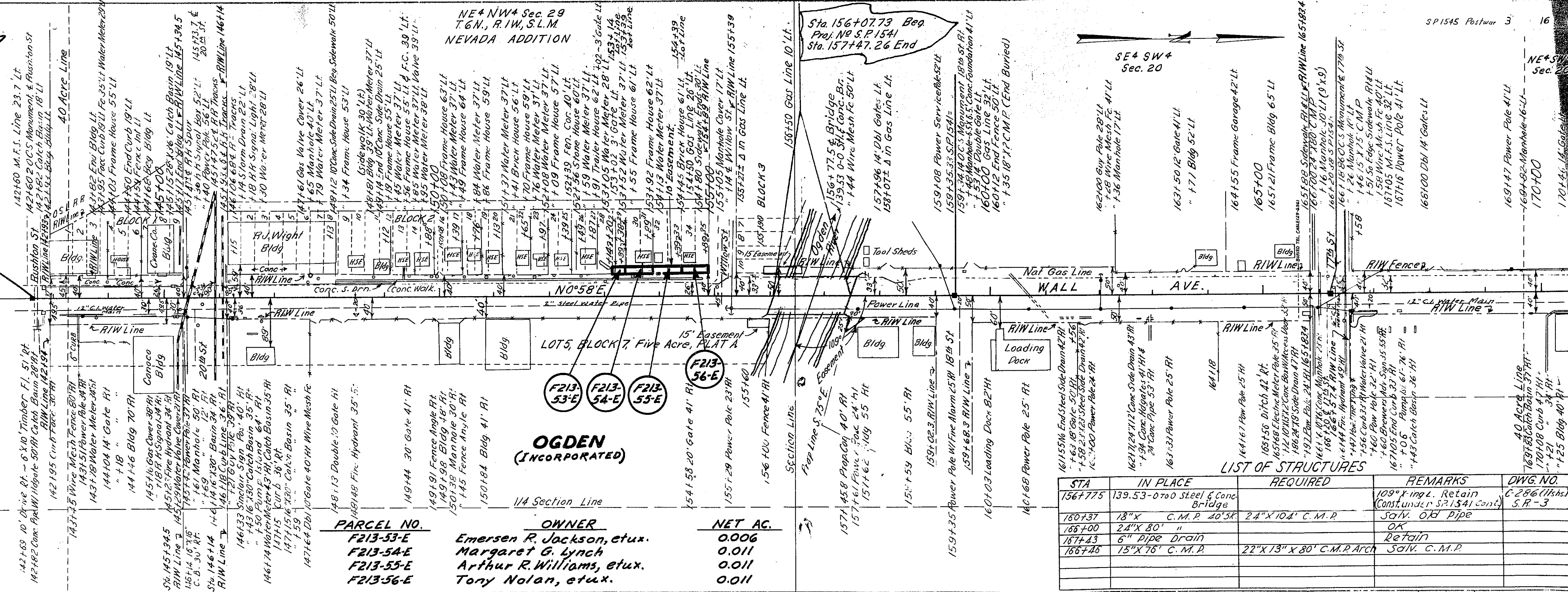


Project#: F-213(38-154) & (154S)
 County: 057
 Route: 204
 Beg. Ref. Post:
 End Ref. Post:
 Note: 3
 Sheet: 3
 Sheet Type: 09

PLAN
 SURVEYED
 PLOTS
 NOTE: 3
 NO. 8368

SE4 NW4 Sec. 29
 T.6N., R.1W., S.L.M.

142+60.2
 BEG. OF PROJ.
 No. S.P. 1545 (So. Sec.)



**OGDEN
(INCORPORATED)**

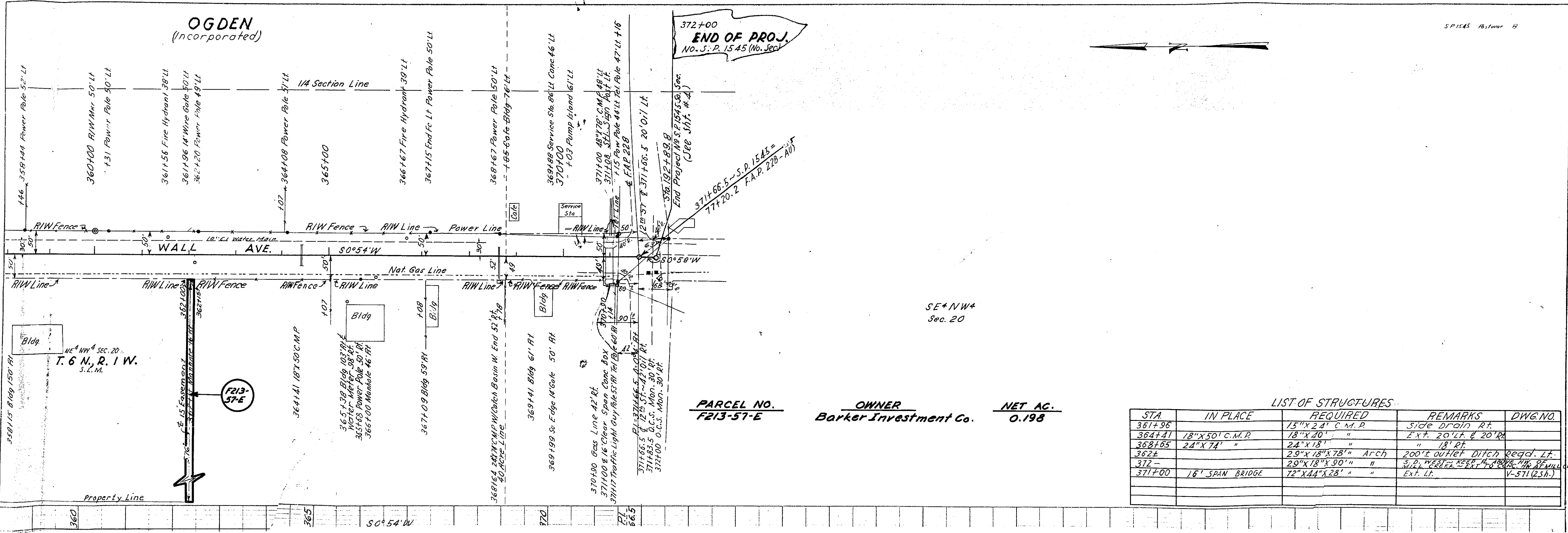
PARCEL NO.	OWNER	NET AC.
F213-53-E	Emersen R. Jackson, et ux.	0.006
F213-54-E	Margaret G. Lynch	0.011
F213-55-E	Arthur R. Williams, et ux.	0.011
F213-56-E	Tony Nolan, et ux.	0.011

LIST OF STRUCTURES

STA	IN PLACE	REQUIRED	REMARKS	DWG. NO.
156+77.5	139.53-0700 Steel & Conc. Bridge		109' x 104' Retain (Const. under S.P. 1541 Cont.)	C-286(11/15/11) S.R.-3
160+37	18" x C.M.P. 40' SK	24" x 104' C.M.P.	SOIV. O.B. Pipe	
166+00	24" x 80' "		OK	
167+43	6" Pipe Drain		Retain	
166+46	15" x 76' C.M.P.	22" x 13" x 80' C.M.P. Arch	SOIV. C.M.P.	

Project #: F-213 (SP-1545) (1545)
 County: 057
 Route: 204
 Beg. Ref. Post:
 End Ref. Post:
 Sheet #: 8
 Sheet Type: TRACE

PLAN
 NO. 0368
 SHEET 8



372+00
END OF PROJ.
 No. S. P. 1545 (No. Sec)

SP1545 Bslwar B

SE+NW+
 Sec. 20

PARCEL NO.
F213-57-E

OWNER
Barker Investment Co.

NET AC.
0.198

LIST OF STRUCTURES

STA.	IN PLACE	REQUIRED	REMARKS	DWG. NO.
361+96		15" X 24" C.M.P.	Side drain Rt.	
364+41	18" X 50" C.M.P.	18" X 40" "	Ext. 20' Lt. & 20' Rt.	
368+65	24" X 74" "	24" X 18" "	" 18' Rt.	
362±		29" X 18" X 78" Arch	200'E outlet Ditch reqd. Lt.	
372-		29" X 18" X 90" "	S.D. WEST - KEEP 4' ABOVE HW OF	
371+00	16' SPAN BRIDGE	72" X 44" X 28" "	Ext. Lt.	V-571 (2sh.)

PLAN	SURVEYED	DATE
NOTE BOOK ALIGNMENT CHECKED	PLOTTED	
NO. 8268	BY	
7/26/52	S. D. BIGELOW	1/25/52

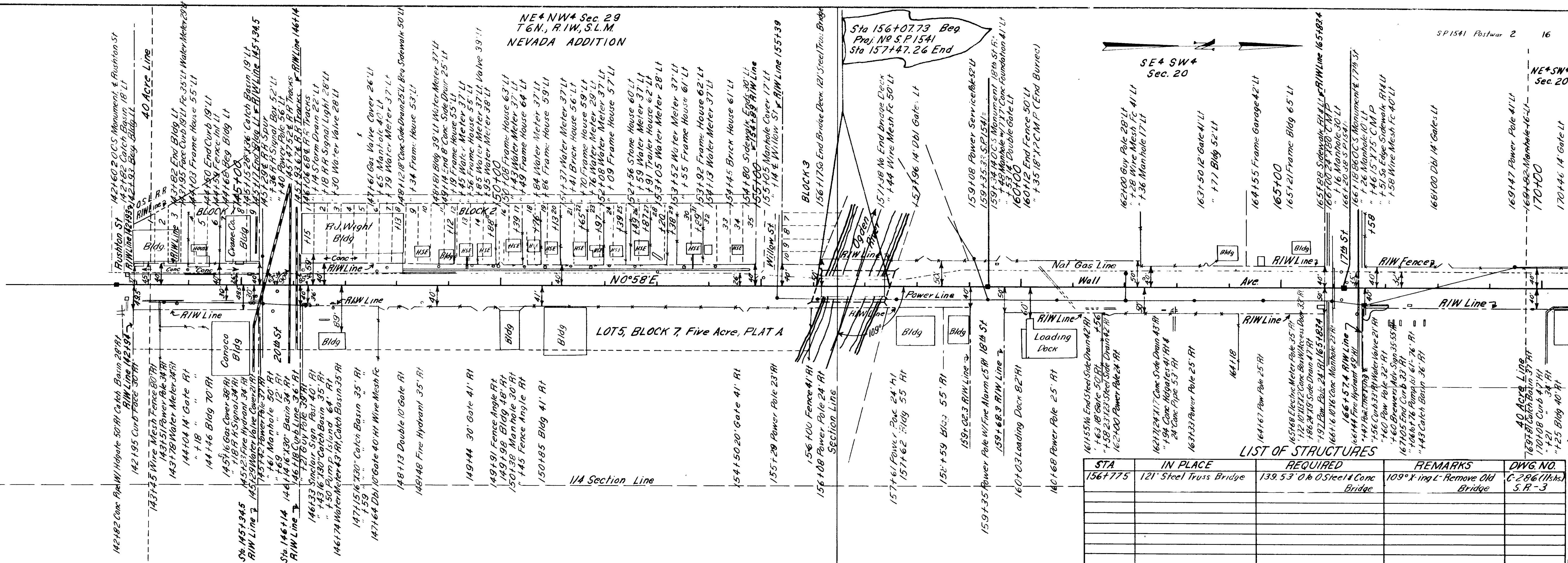
PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO. 8268	BY	
7/26/52	S. D. BIGELOW	1/25/52

SE* NW* Sec. 29
T.6N., R.1W., S.1M.

NE* NW* Sec. 29
T.6N., R.1W., S.1M.
NEVADA ADDITION

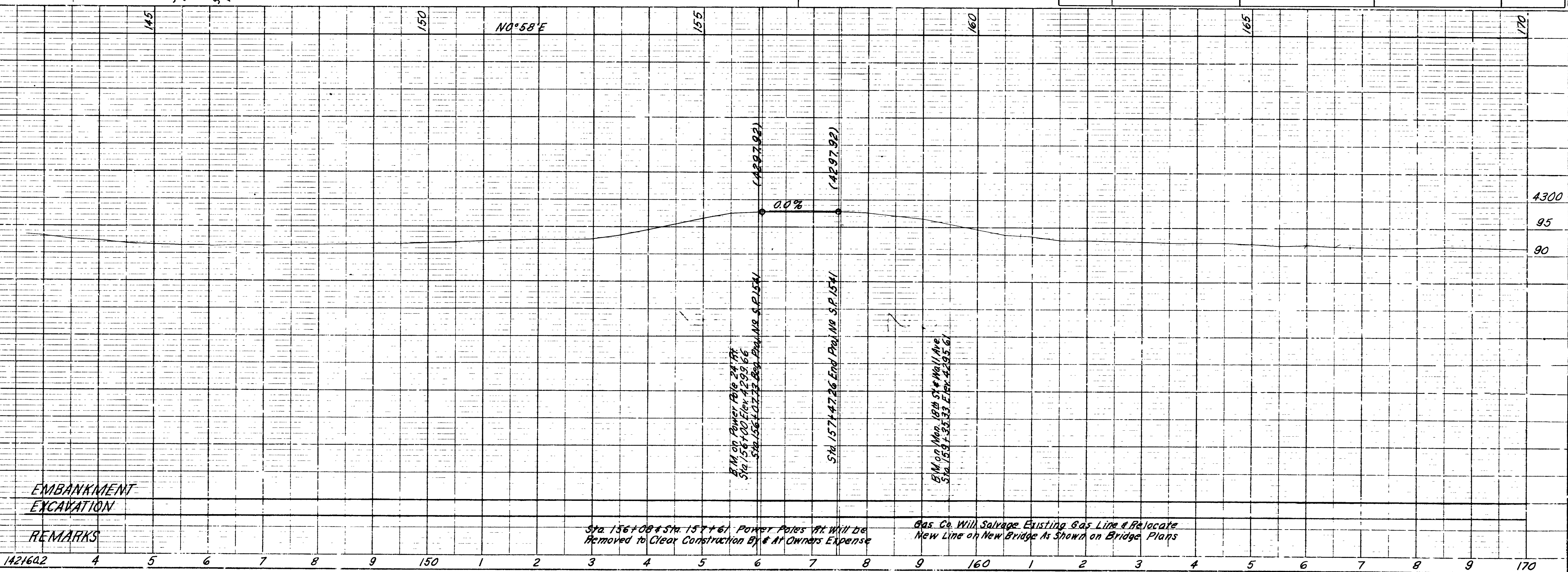
SE* SW*
Sec. 20

SP 1541 Postwar 2 16



STA	IN PLACE	REQUIRED	REMARKS	DWG. NO.
156+775	121' Steel Truss Bridge	139.53' 0" to 0.5' Steel & Conc. Bridge	109° X-ing L - Remove Old Bridge	C-286 (11/18/51) S.R.-3

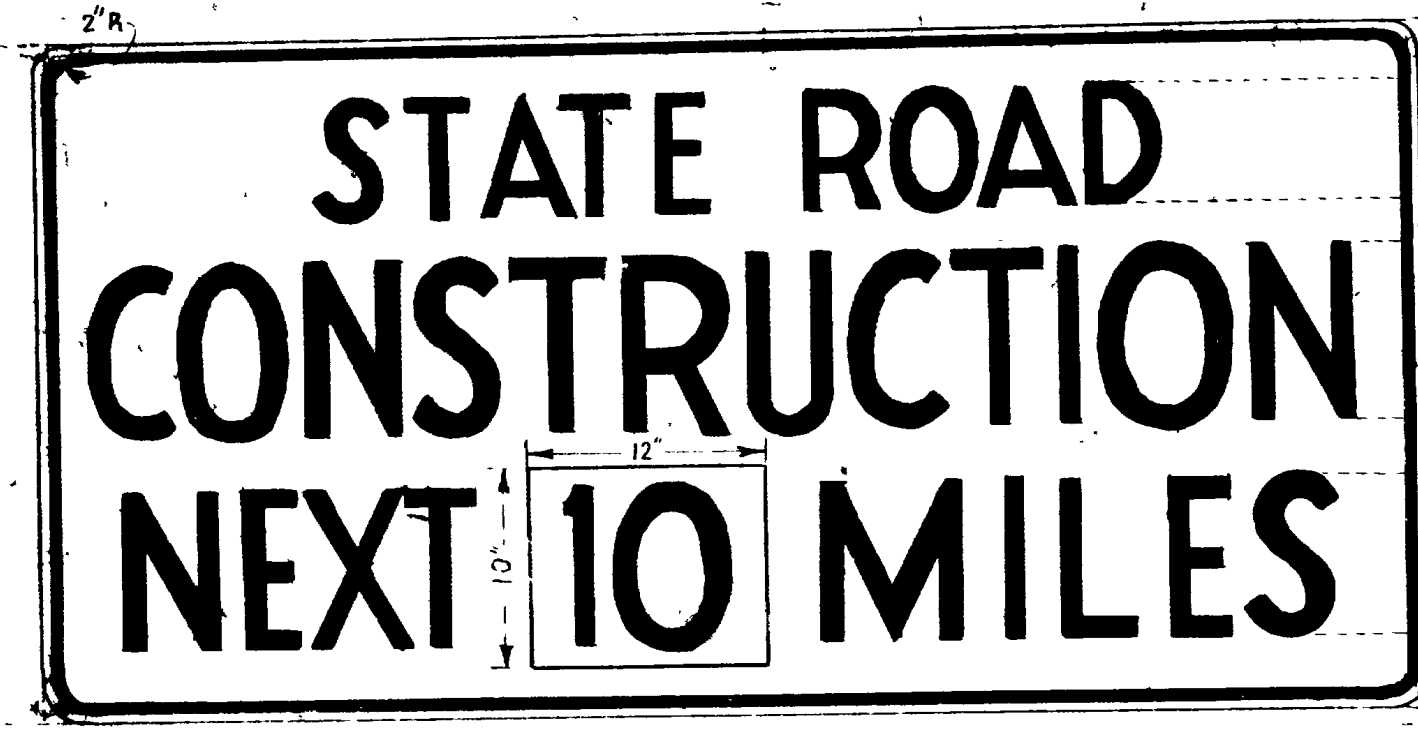
LIST OF STRUCTURES



EMBANKMENT
EXCAVATION
REMARKS

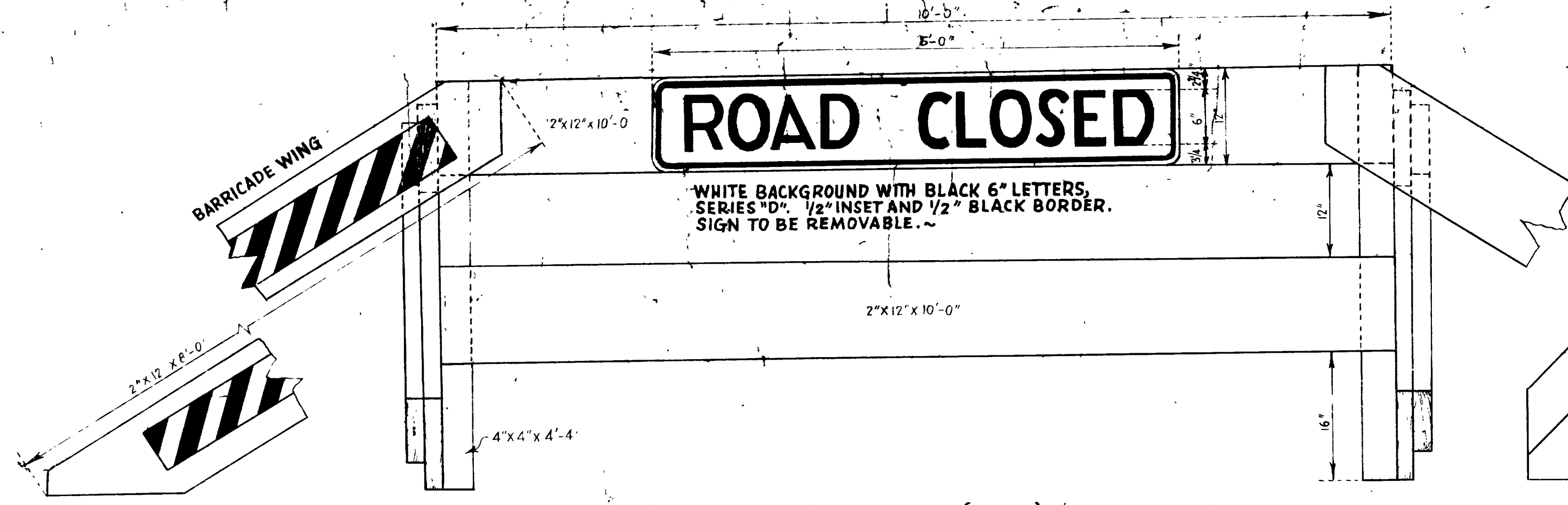
Sta 156+00 to Sta 157+61 Power Poles At Mill to be Removed to Clear Construction By & At Owners Expense

Gas Co. Will Salvage Existing Gas Line & Relocate New Line on New Bridge As Shown on Bridge Plans



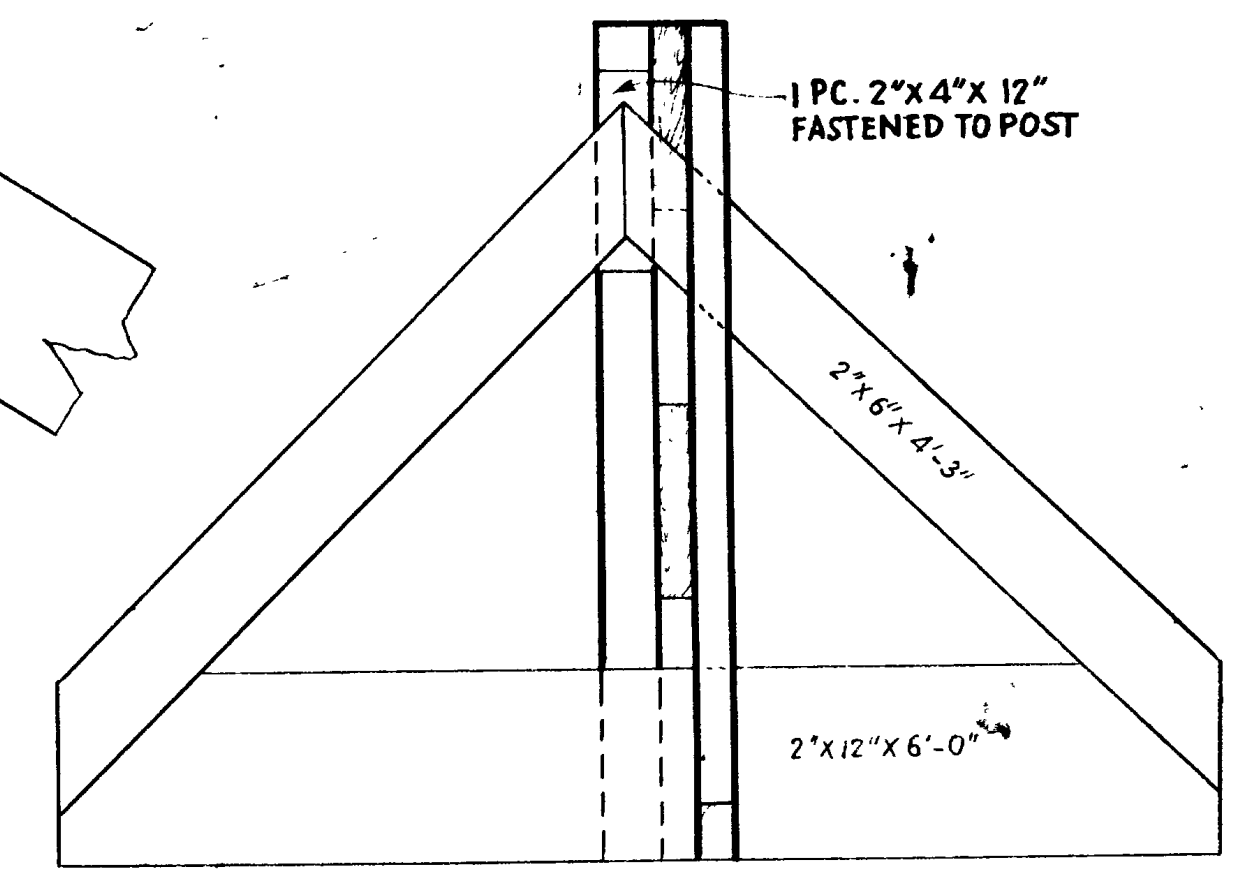
NOTE: MILEAGE INSERT SHALL BE MADE REMOVABLE. SHOW MILEAGE TO NEAREST MILE ONLY.

WHITE BACKGROUND WITH BLACK LETTERS, SERIES "C". 1/2" INSET AND 1/2" BLACK BORDER.

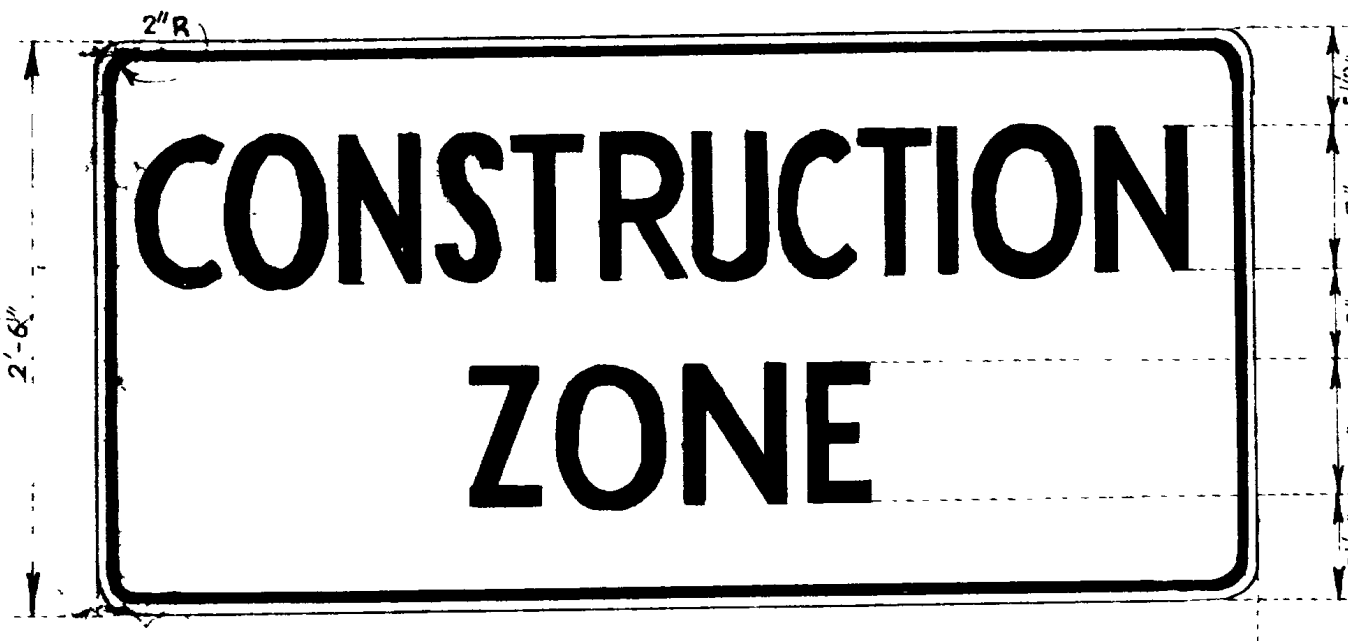


BARRICADE AND WINGS TO BE PAINTED YELLOW (2 COATS). BARRICADE WINGS SHALL BE REFLECTORIZED WITH 5" X 6'-0" AREA REFLECTORIZED PANEL WITH DIAGONALLY ALTERNATING STRIPES OF WIDE ANGLE SILVER "SCOTCH LITE" AND BLACK PAINT. EACH STRIPE 3 1/2" WIDE, OR WITH 16 7/8" #1 CRYSTAL BUTTONS SET AT 4" CENTERS PLACED ON CENTER LINE OF BARRICADE WINGS.

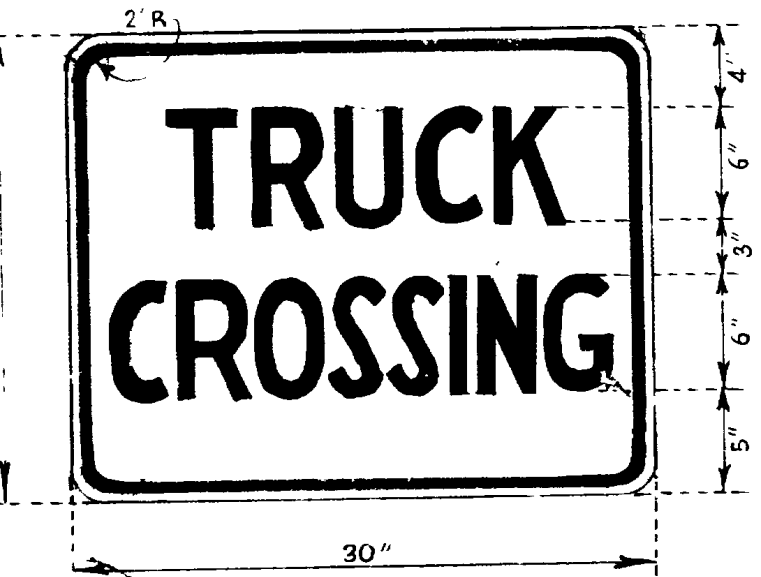
BARRICADE



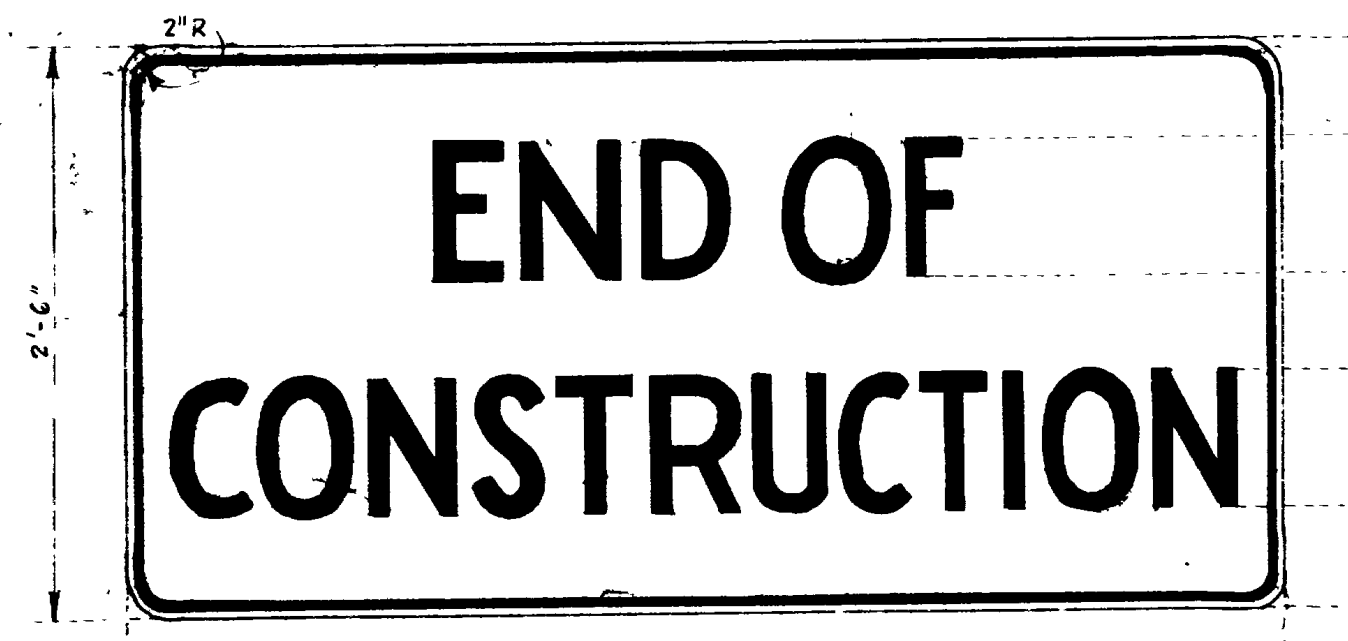
END VIEW



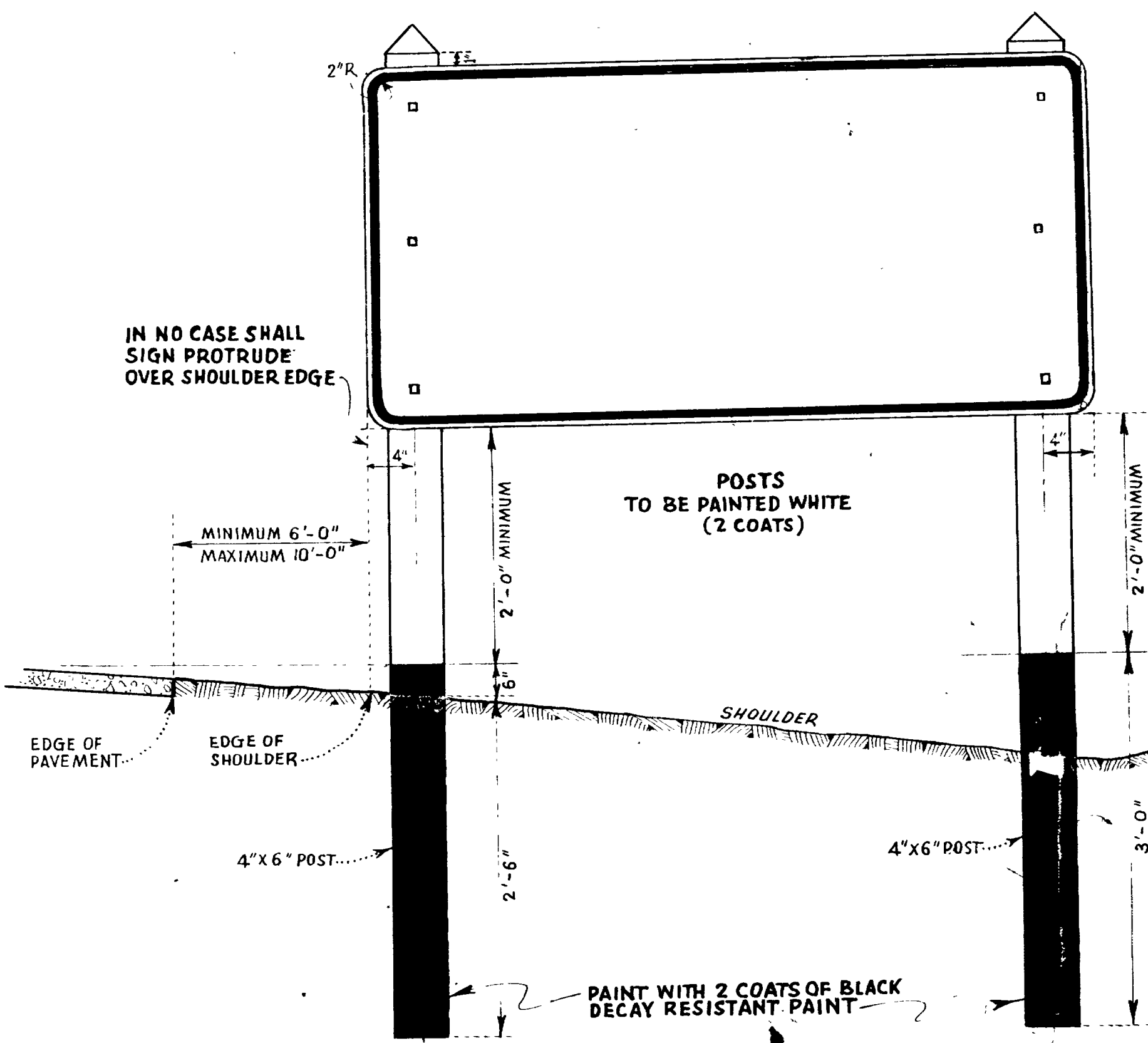
WHITE BACKGROUND WITH 7" BLACK LETTERS, SERIES "C". 1/2" INSET AND 1/2" BLACK BORDER.



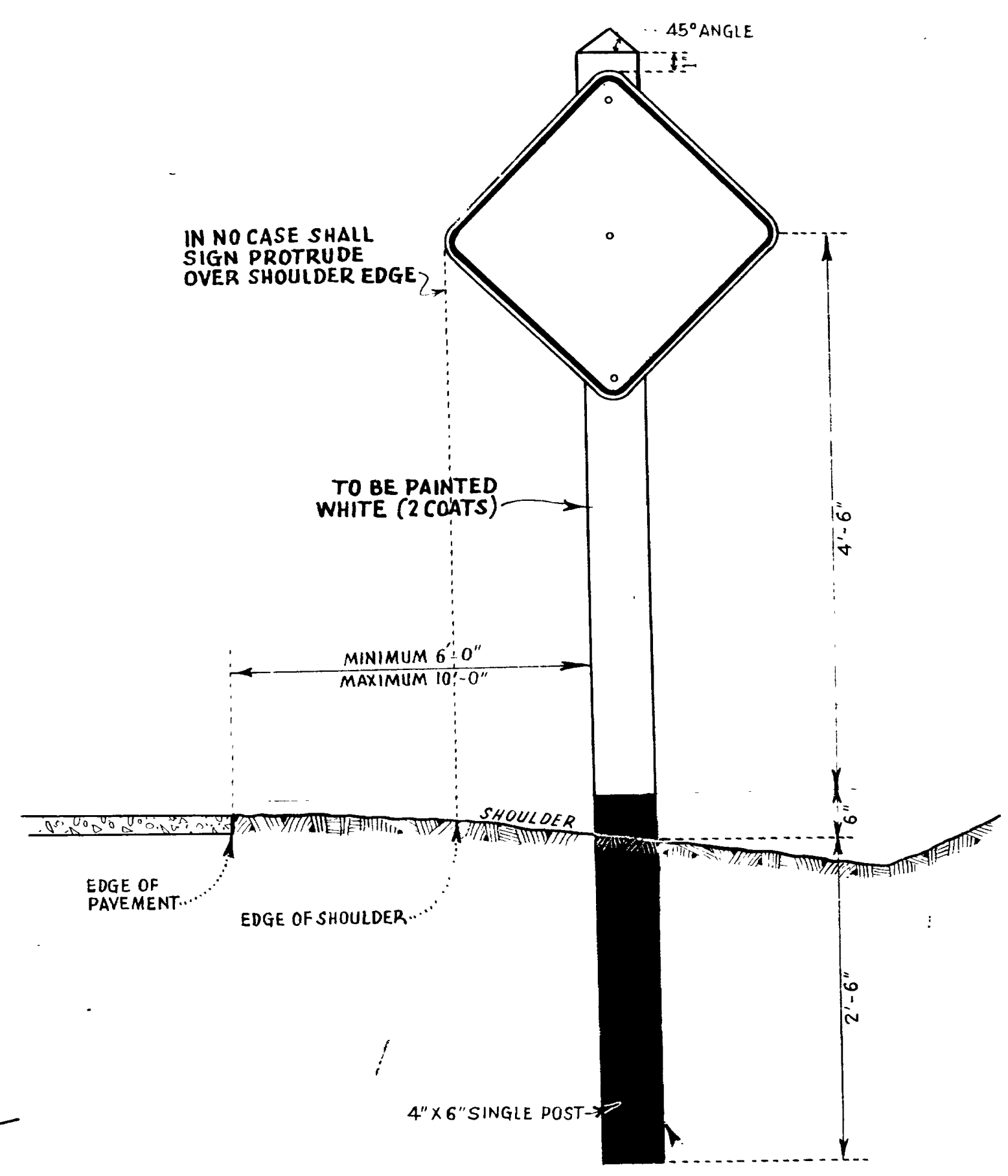
YELLOW BACKGROUND WITH BLACK 6" LETTERS, SERIES "D". 1/2" INSET AND 3/4" BLACK BORDER.



WHITE BACKGROUND WITH 7" BLACK LETTERS, SERIES "D". 1/2" INSET AND 1/2" BLACK BORDER.



SIGN LOCATION AND HEIGHT IN RURAL AREAS



GENERAL NOTES:

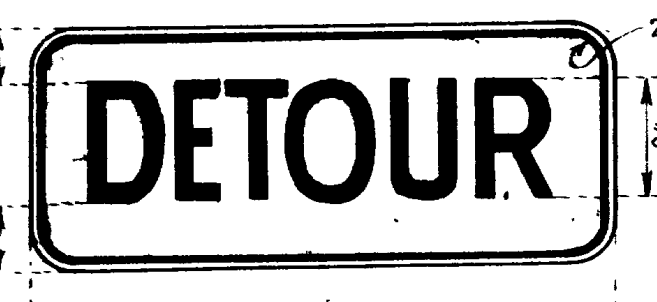
All signs shall be area reflectorized with wide angle "SCOTCH LITE" or equal, meeting min. specifications for area reflectorization as contained in the Utah State Road Commission's specifications # 3 H, REFLEX REFLECTING SHEET MATERIAL, ON FILE IN THE STATE ROAD COMMISSION'S OFFICE, OR WITH CRYSTAL REFLECTOR BUTTONS AS PER STATE ROAD COMMISSION STANDARDS.

All letters and figures shall be of standard proportion and spacing in accordance with the standard indicated alphabet used by the Utah State Road Commission and the Bureau of Public Roads.

All signs and methods of signing shall be in accordance with the Utah State Road Commission instruction manual for highway signing.

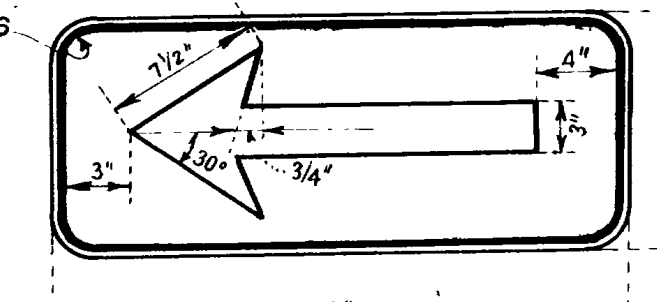
Where conditions require greater visibility, necessitating a larger sign, the outside dimensions shall be increased in multiples of 6".

Where it is necessary for the safety of the traveling public larger signs shall be used. These signs shall conform to the standard practice for super signs, as specified in the Utah State Road Commission manual for highway signing, etc., paragraph 1.65.



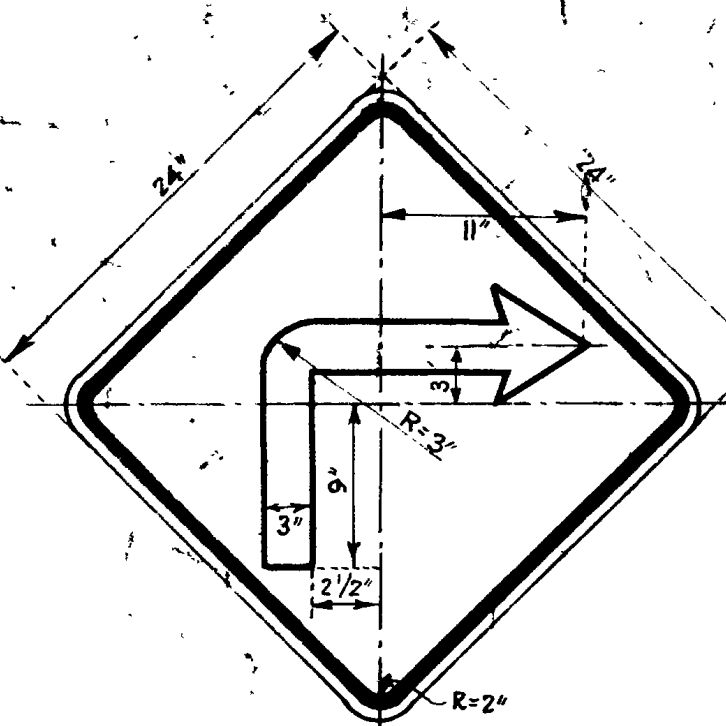
WHITE BACKGROUND WITH BLACK 9" LETTERS, SERIES "D". 1/2" INSET, 1/2" BLACK BORDER.

DETOUR SIGN



WHITE BACKGROUND WITH BLACK ARROW. 1/2" INSET, 1/2" BLACK BORDER.

DETOUR ARROW

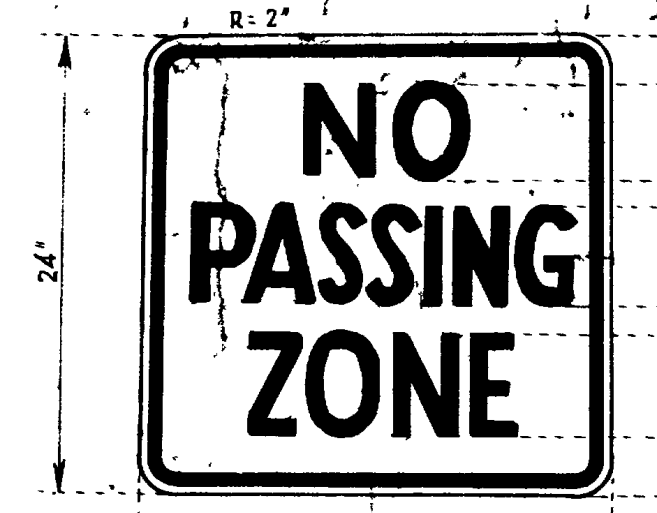


YELLOW BACKGROUND WITH BLACK ARROW. 1/2" INSET AND 3/4" BLACK BORDER. FOR ARROWHEAD SEE "DETAIL FOR CURVE SIGNS" BELOW.

TURN SIGN



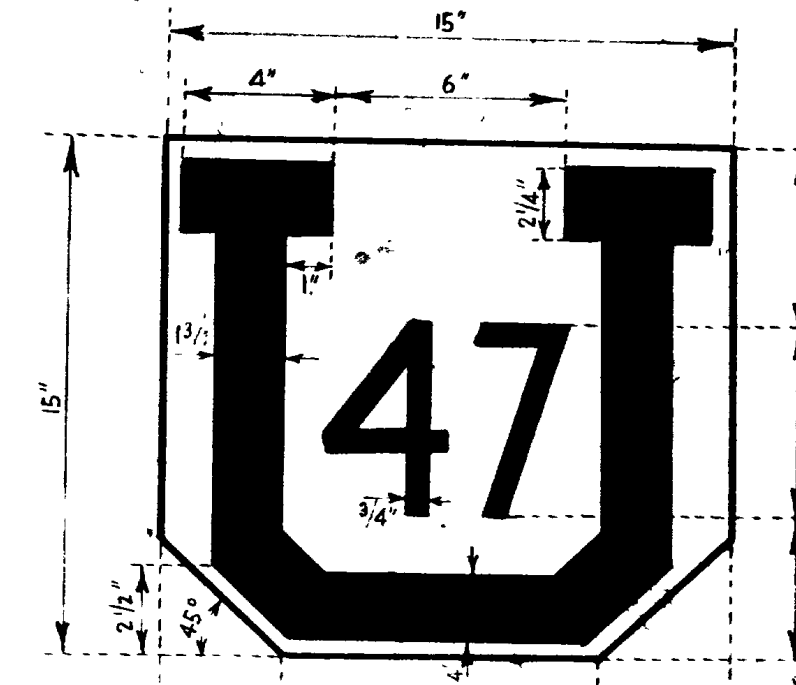
YELLOW BACKGROUND WITH BLACK 8" LETTERS, SERIES "C". 1/2" INSET AND 3/4" BLACK BORDER.



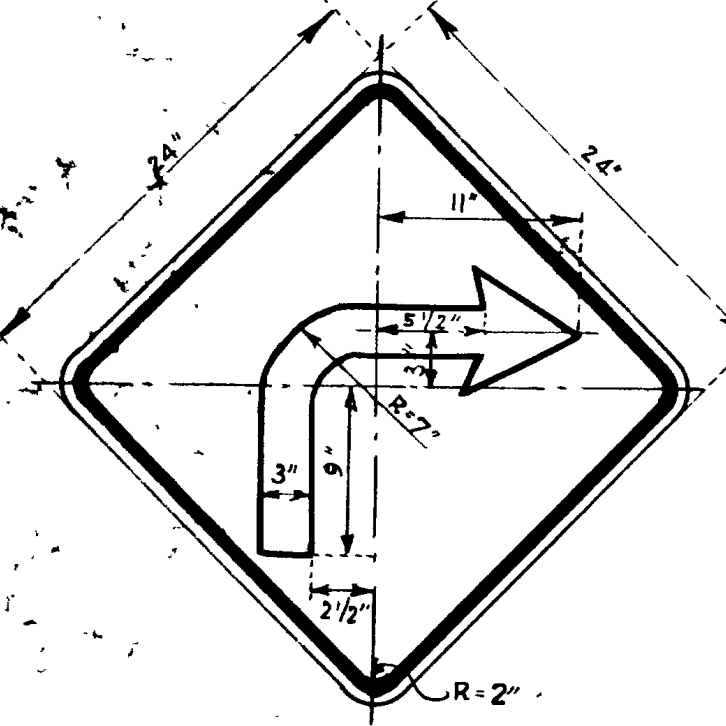
WHITE BACKGROUND WITH 5" BLACK LETTERS, SERIES "C". 1/2" INSET AND 3/4" BLACK BORDER.



WHITE BACKGROUND WITH BLACK 7" LETTERS, SERIES "C". 1/2" INSET, 3/4" BLACK BORDER.



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

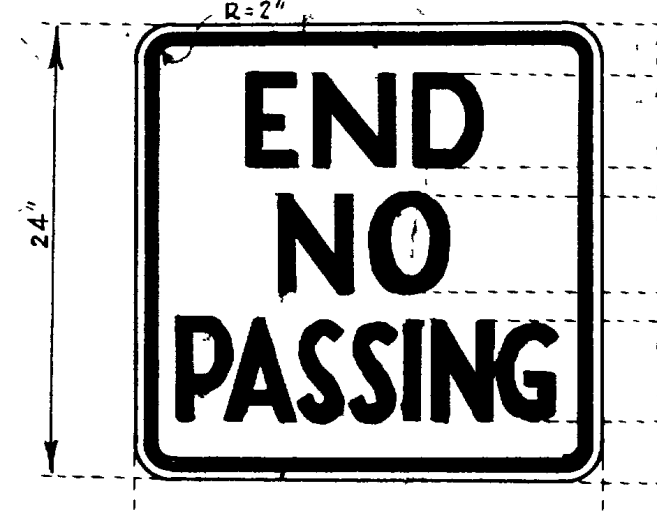


YELLOW BACKGROUND WITH BLACK ARROW. 1/2" INSET AND 3/4" BLACK BORDER. FOR ARROWHEAD SEE "DETAIL FOR CURVE SIGNS" BELOW.

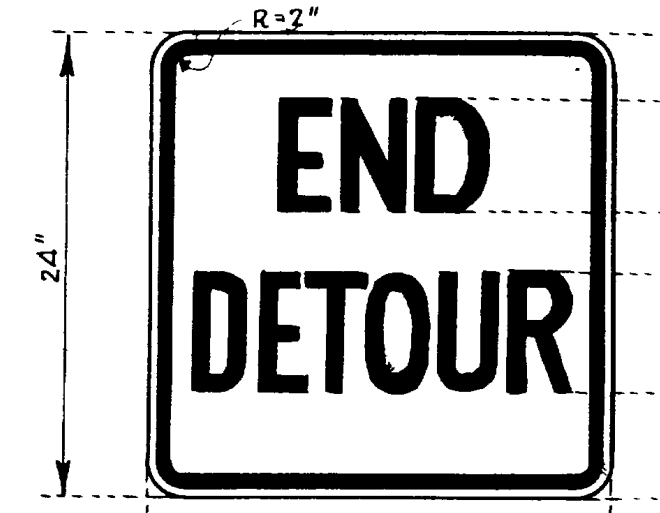
SHARP CURVE



YELLOW BACKGROUND WITH BLACK 5" LETTERS, SERIES "D". 1/2" INSET AND 3/4" BLACK BORDER.



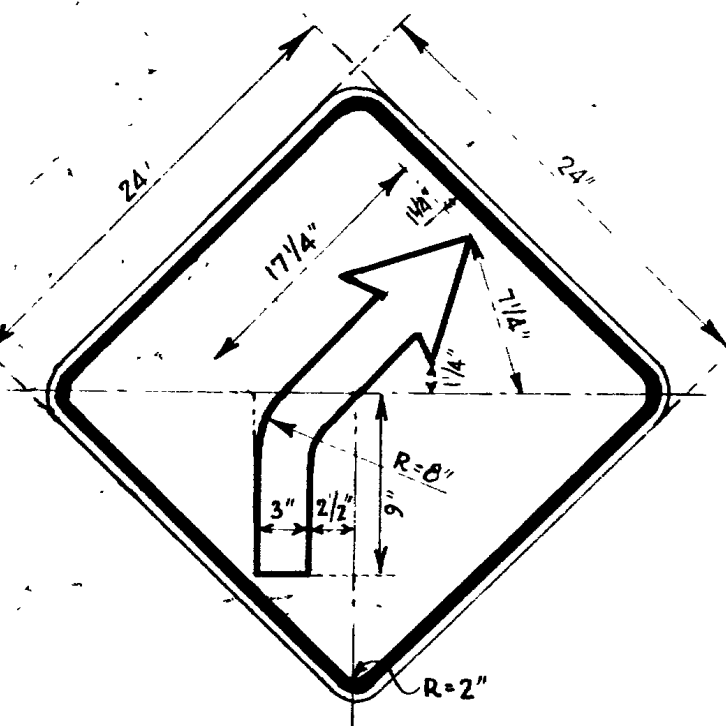
WHITE BACKGROUND WITH 5" BLACK LETTERS, SERIES "C". 1/2" INSET AND 3/4" BLACK BORDER.



WHITE BACKGROUND WITH BLACK 6" LETTERS, SERIES "C". 1/2" INSET AND 3/4" BLACK BORDER.



WHITE BACKGROUND WITH BLACK LETTERS & NUMERALS. SIZE AS SHOWN. 1/2" INSET AND 1/2" BLACK BORDER.

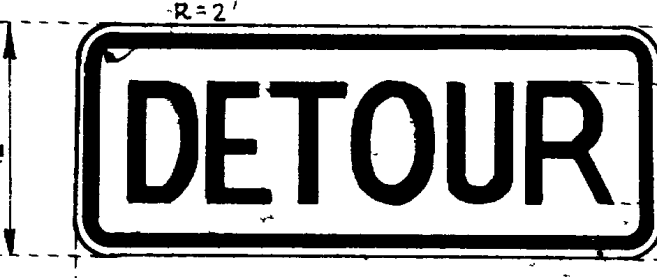


YELLOW BACKGROUND WITH BLACK ARROW. 1/2" INSET AND 3/4" BLACK BORDER. FOR ARROWHEAD SEE "DETAIL FOR CURVE SIGNS" BELOW.

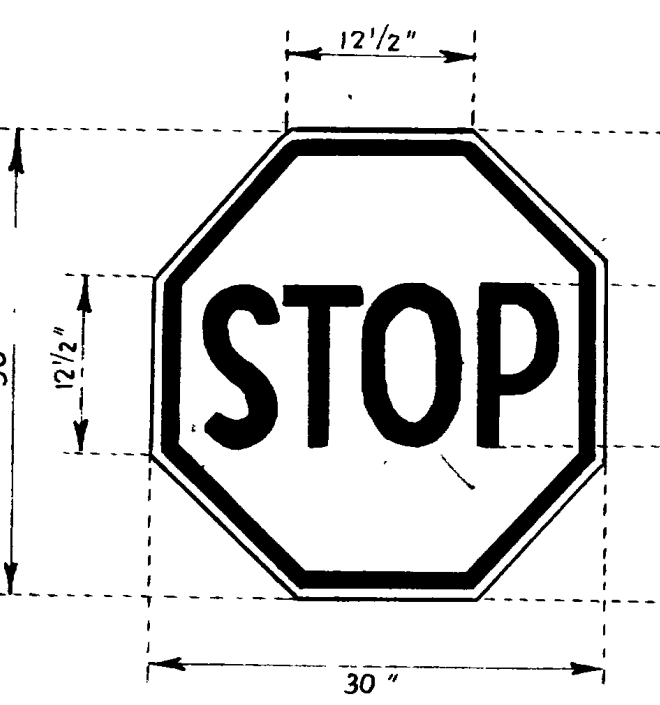
FLAT CURVE



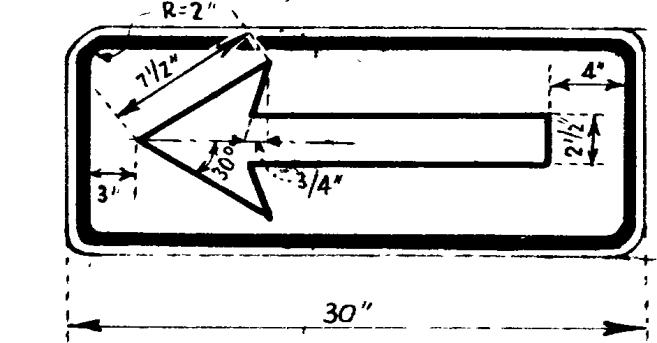
YELLOW BACKGROUND WITH BLACK 5" LETTERS, SERIES "C". 1/2" INSET AND 3/4" BLACK BORDER.



WHITE BACKGROUND WITH 6" BLACK LETTERS, SERIES "D". 1/2" INSET AND 3/4" BLACK BORDER.

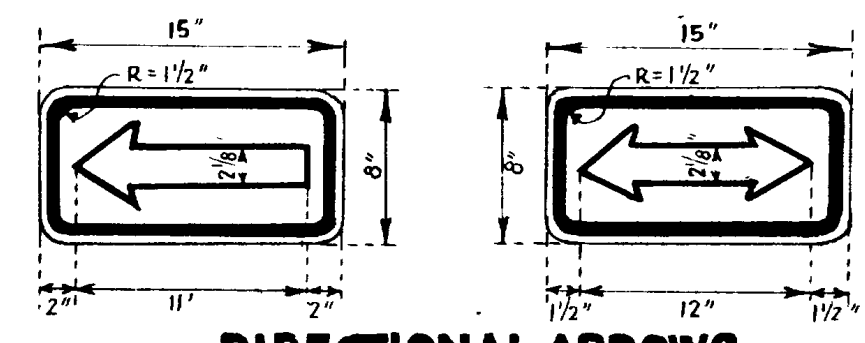


YELLOW BACKGROUND WITH 12" BLACK LETTERS, SERIES "C". 1/2" INSET AND 3/4" BLACK BORDER.



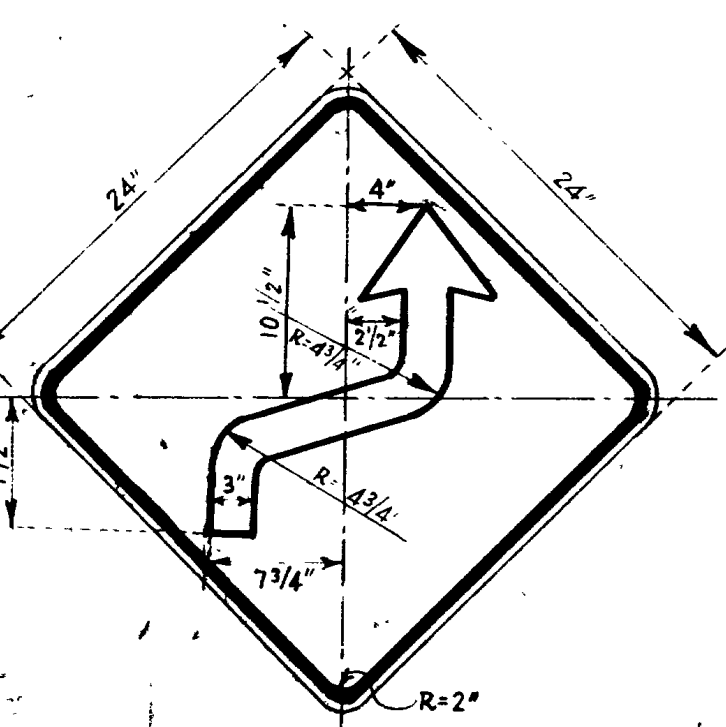
WHITE BACKGROUND WITH BLACK ARROW. 1/2" INSET AND 3/4" BLACK BORDER.

DETOUR ARROW



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

DIRECTIONAL ARROWS

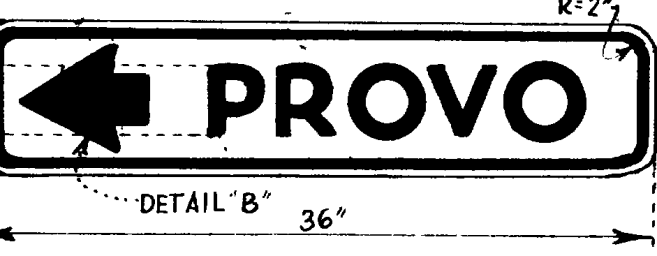


YELLOW BACKGROUND WITH BLACK ARROW. 1/2" INSET AND 3/4" BLACK BORDER. FOR ARROWHEAD SEE "DETAIL FOR CURVE SIGNS" BELOW.

REVERSE CURVE

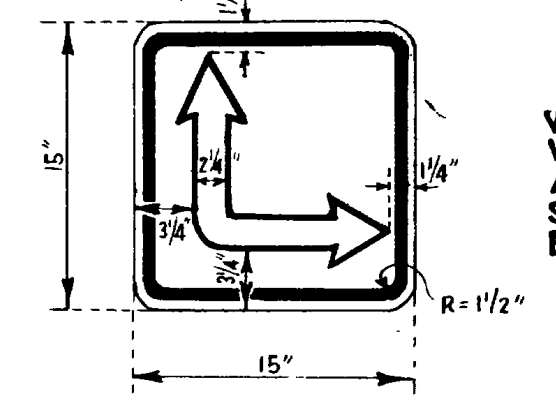


YELLOW BACKGROUND WITH BLACK 6" LETTERS, SERIES "C". 1/2" INSET AND 3/4" BLACK BORDER.



WHITE BACKGROUND WITH BLACK 3 1/2" LETTERS. NOTE: DIRECTIONAL SIGNS SHALL BE 1 1/2 OR 3 LINE STD. SIGNS AS REQUIRED IN MANUAL OF INSTRUCT. FOR HIGHWAY SIGNING. 1/2" INSET AND 1/2" BLACK BORDER.

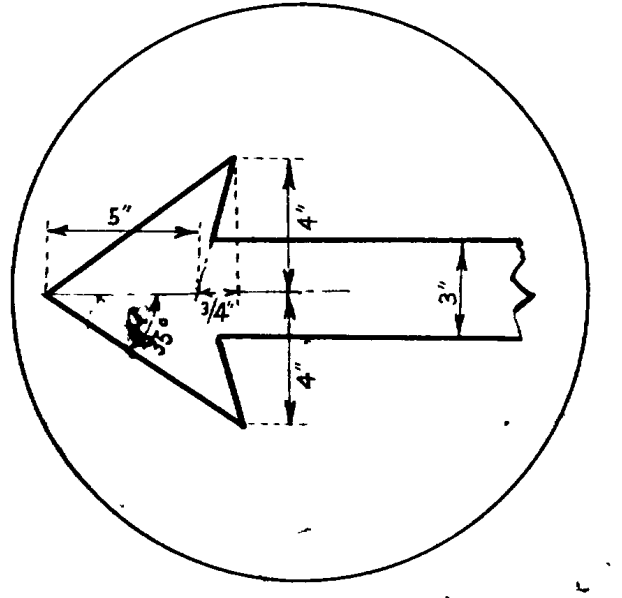
DIRECTIONAL SIGN



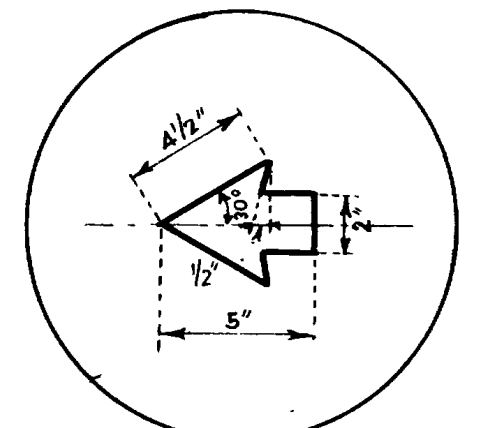
WHITE BACKGROUND WITH BLACK REVERSIBLE ARROW, DETAIL "B" DESIGN. 1/2" INSET AND 1/2" BLACK BORDER.



WHITE BACKGROUND WITH BLACK 5" LETTERS, SERIES "C". 1/2" INSET AND 1/2" BLACK BORDER. NUMERALS TO BE 12" BLACK, SERIES "C".



ARROWHEAD DETAIL FOR CURVE SIGNS

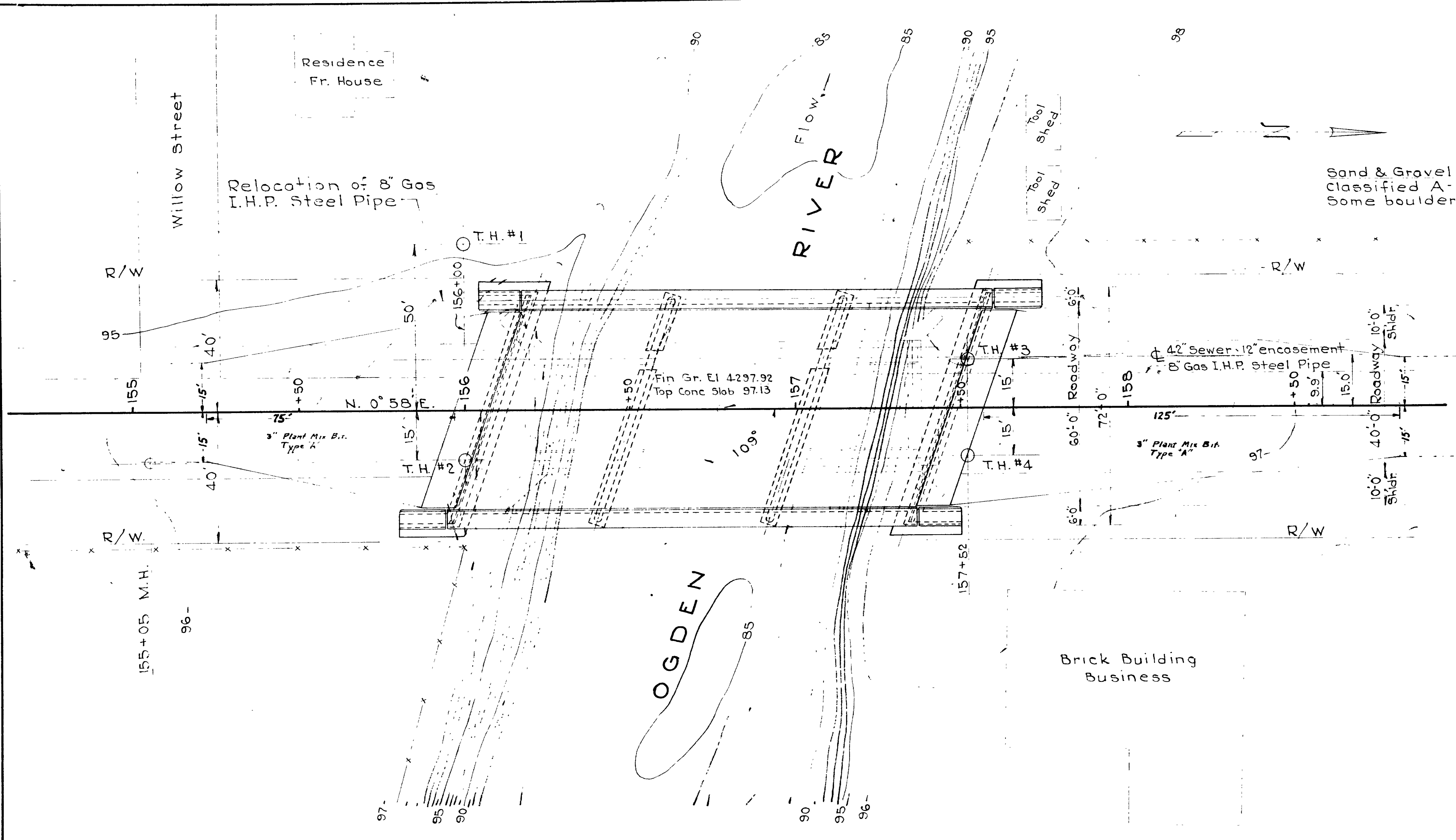


DETAIL "B" FOR DIRECTIONAL ARROWS

GENERAL NOTES:

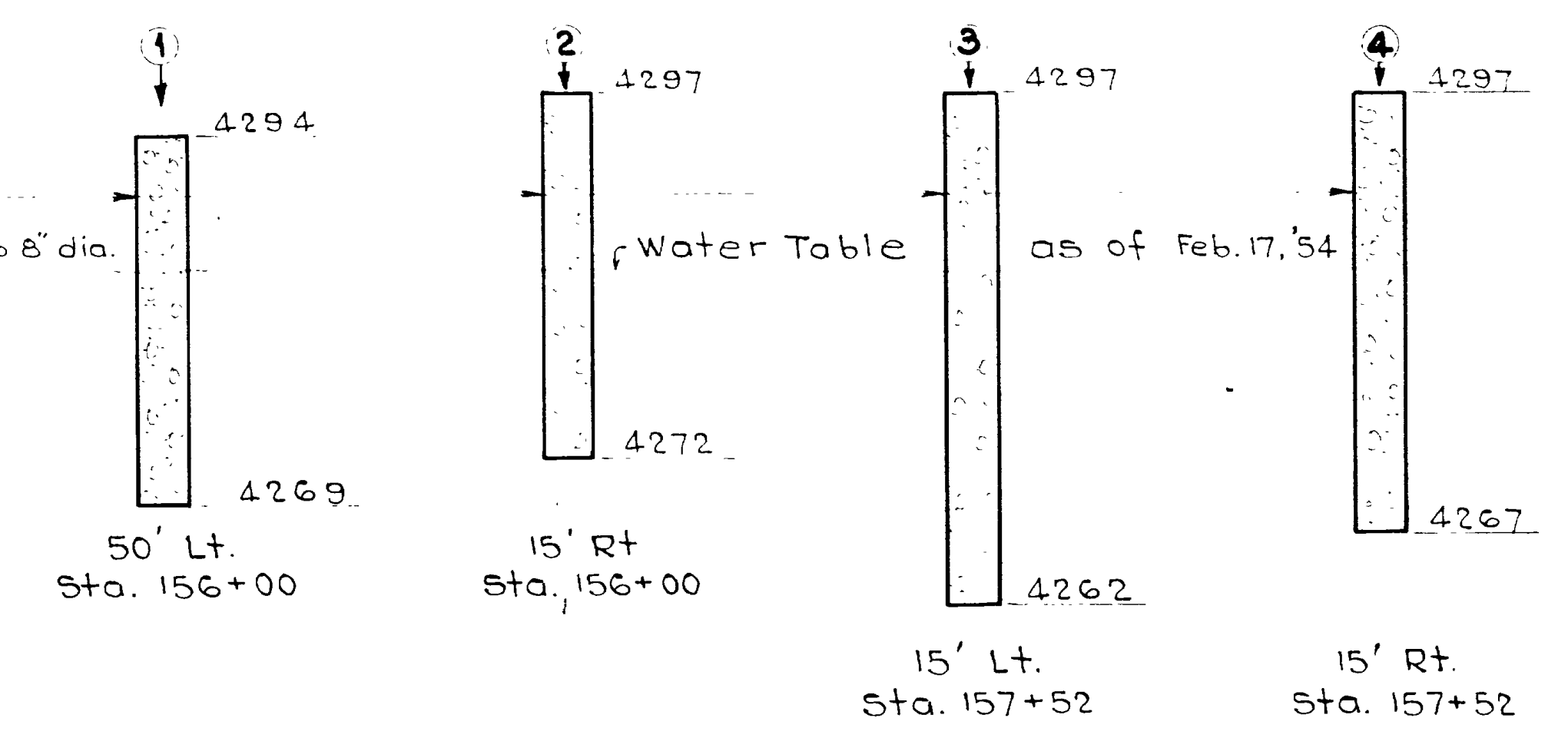
- All signs shall be area reflectorized with wide angle scotchlite, or equal, meeting minimum specifications for area reflectorization as contained in the Utah State Road Commission's specifications #3-H, reflex reflecting sheet material, on file in the State Road Commission's office, or with clear crystal buttons per State Road Commission standards.
- All letters and figures shall be of std. proportion and spacing in accordance with the standard indicated, alphabet used by the Utah State Road Commission.
- All signs and methods of signing shall be in accordance with the Utah State Road Commission instruction manual for highway signing.
- Where conditions require greater visibility, necessitating a larger sign, the outside dimensions shall be increased in multiples of 6".
- Where it is necessary for the safety of the traveling public larger signs shall be used. These signs shall conform to the standard practice for super signs, as specified in the Utah State Road Commission manual for highway signing, etc., paragraph 1.65.

REVISIONS	DATE	BY



SITUATION PLAN
1" = 20'

TEST HOLE DATA



GENERAL NOTES

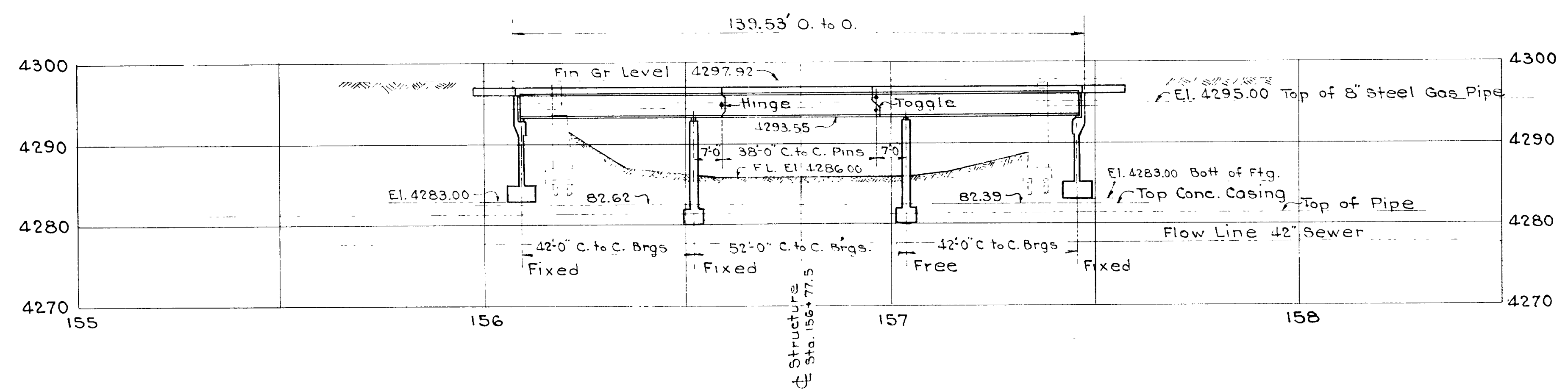
Materials, construction and workmanship shall be in accordance with the State Standard Specifications for Road and Bridge Construction, 1952 edition and supplements thereto which are in effect at date of request for bids.
 All reinforcing steel shall be intermediate grade Standard A-305 Reinforcing Bars. All dimensions relating to reinforcing steel are to centers of bars.
 Type II cement required.
 All structural steel shall receive One Shop Coat of Red Paint, A.A.S.H.O. Designation M 71-42 or M 72-51; also Two Field Coats of Aluminum Paint, A.A.S.H.O. Designation M 69-52.

DESIGN DATA

H 20-S16-44 Loading in accordance with A.A.S.H.O Specifications of 1953.
 $f_c = 1200 \text{ #/sq. in.}$, $f_s = 20,000 \text{ #/sq. in.}$ (reinf steel), $f_s = 18,000 \text{ #/sq. in.}$ (struct. steel), $n = 10$

QUANTITIES

Excavation for Structures Unclassified	1430. Cu. Yds.
Concrete - Class 'A'	702 " "
Reinforcing Steel	113,444 Lbs
Structural Steel	269,600. "
Steel Handrail	315 Lin. Ft.
Removal of Existing Structures	1 Each



PROFILE ALONG & ROAD
Scale: Horiz. 1" = 20', Vert. 1" = 10'

SHEET 1 OF 11 SHEETS

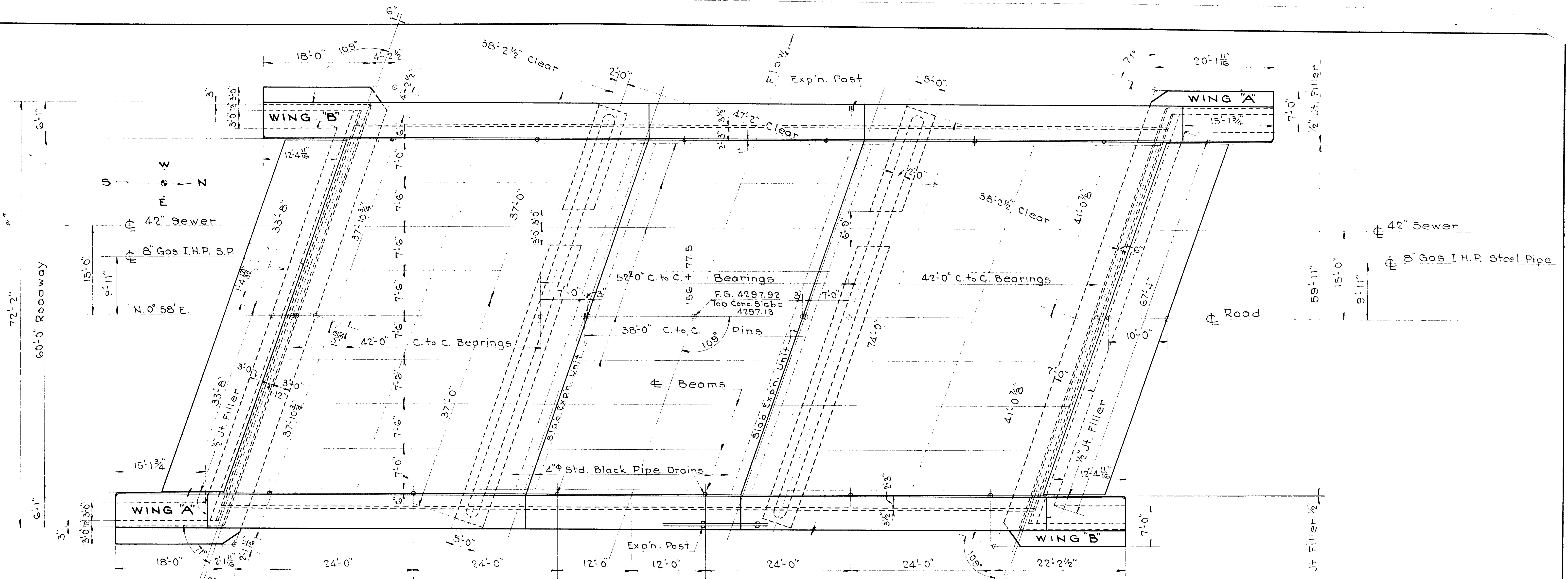
UTAH STATE ROAD COMMISSION
SALT LAKE CITY UTAH
BRIDGE DEPARTMENT

OGDEN R. BRIDGE
WALL AVENUE
139.53' O. to O. 109' XING L
Sta 156+77.5 S.P. 1541
Weber Co

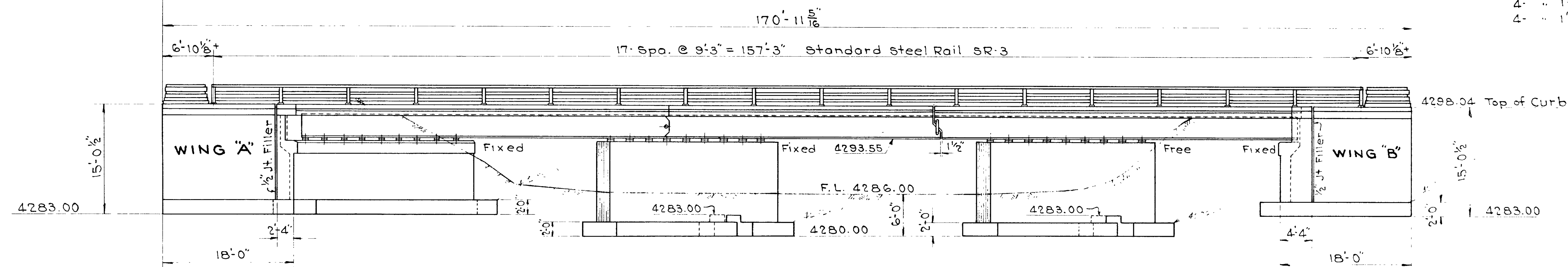
DESIGNED BY F.M.E. As noted
 DRAWN BY F.M.E. May 1, 1954
 CHECKED BY R.W.I. APPROVED W.P. Peterson
 CHIEF ENGINEER

BR No 29-202-2-1 DRG No C-286

REVISIONS	DATE	BY



PLAN



ELEVATION

- JOINT FILLER**
- 2- Pcs 9' x 1/2' x 14'-6" Appr. Slab (at Curb)
 - 2- " 9' x 1/2' x 63'-6" " " "
 - 4- " 1'-9" x 1/2' x 6'-1" Curb
 - 4- " 1'-0" x 1/2' x 11'-5 1/2" Wings

SHEET 2 OF 11 SHEETS

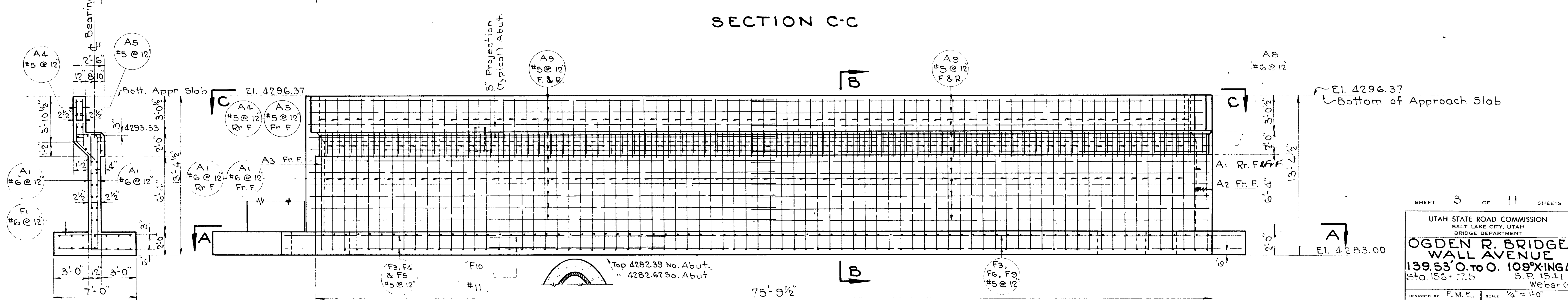
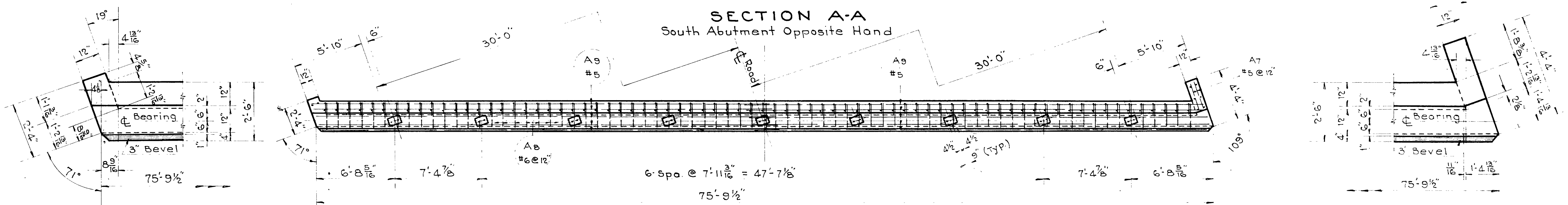
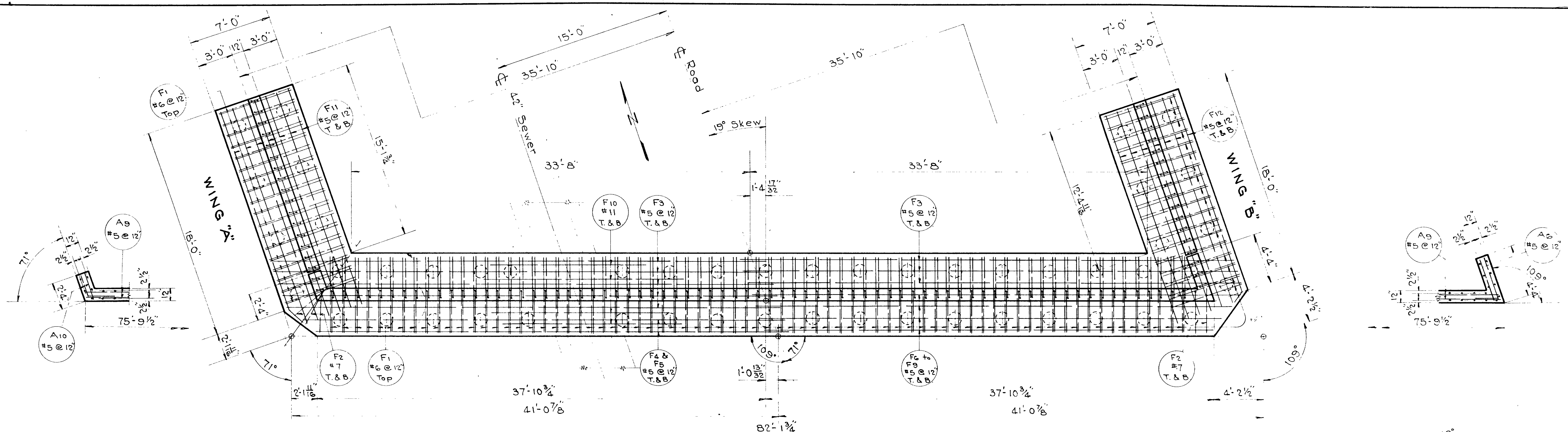
UTAH STATE ROAD COMMISSION
SALT LAKE CITY UTAH
BRIDGE DEPARTMENT

OGDEN R. BRIDGE
WALL AVENUE
139.53' O. TO O. 109° X-ING 4
Sta 156+77.5 S.P. 1541
Weber Co.

DESIGNED BY F.M.E. SCALE 1/8" = 1'-0"
DRAWN BY F.M.E. ISSUE May 1, 1954
TRACED BY R.W.I. APPROVED [Signature]
CHECKED BY E.M.R. CHIEF BRIDGE ENGINEER

BR No. 29-202-2-1 DRG No. C-286

REVISIONS	DATE	BY



SECTION B-B

FRONT ELEV. NORTH ABUT. (Looking North)
South Abutment Opp. Hand

SHEET 3 OF 11 SHEETS

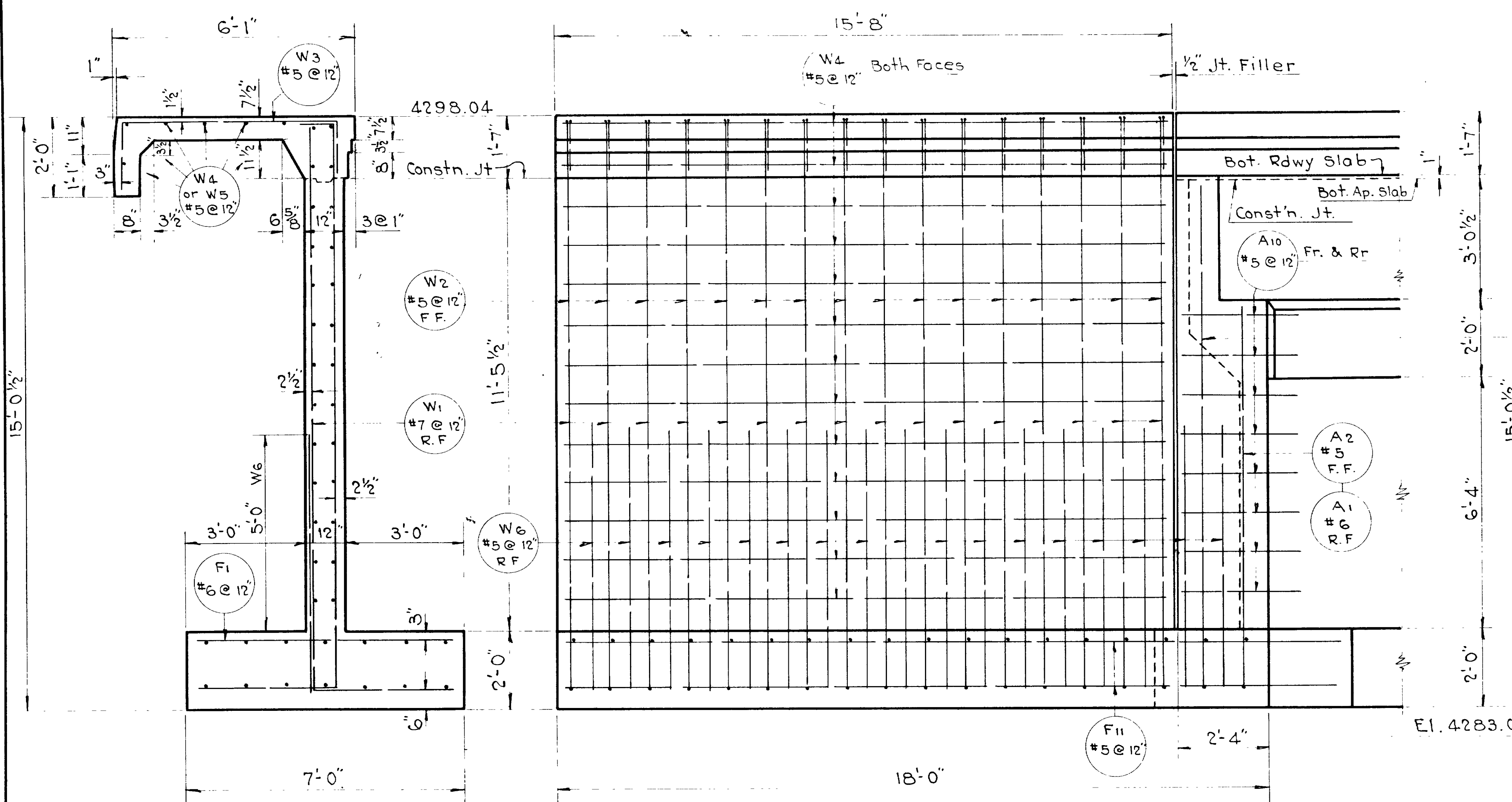
UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

**OGDEN R. BRIDGE
WALL AVENUE**
139.53' O. TO O. 109° XING L
Sta. 156+77.5 S. P. 15+1
Weber Co.

DESIGNED BY F.M.E. SCALE 1/4" = 1'-0"
DRAWN BY F.M.E. ISSUED May 1, 1954
TRACED BY R.W.I.
CHECKED BY E.A.R. CHIEF BRIDGE ENGINEER

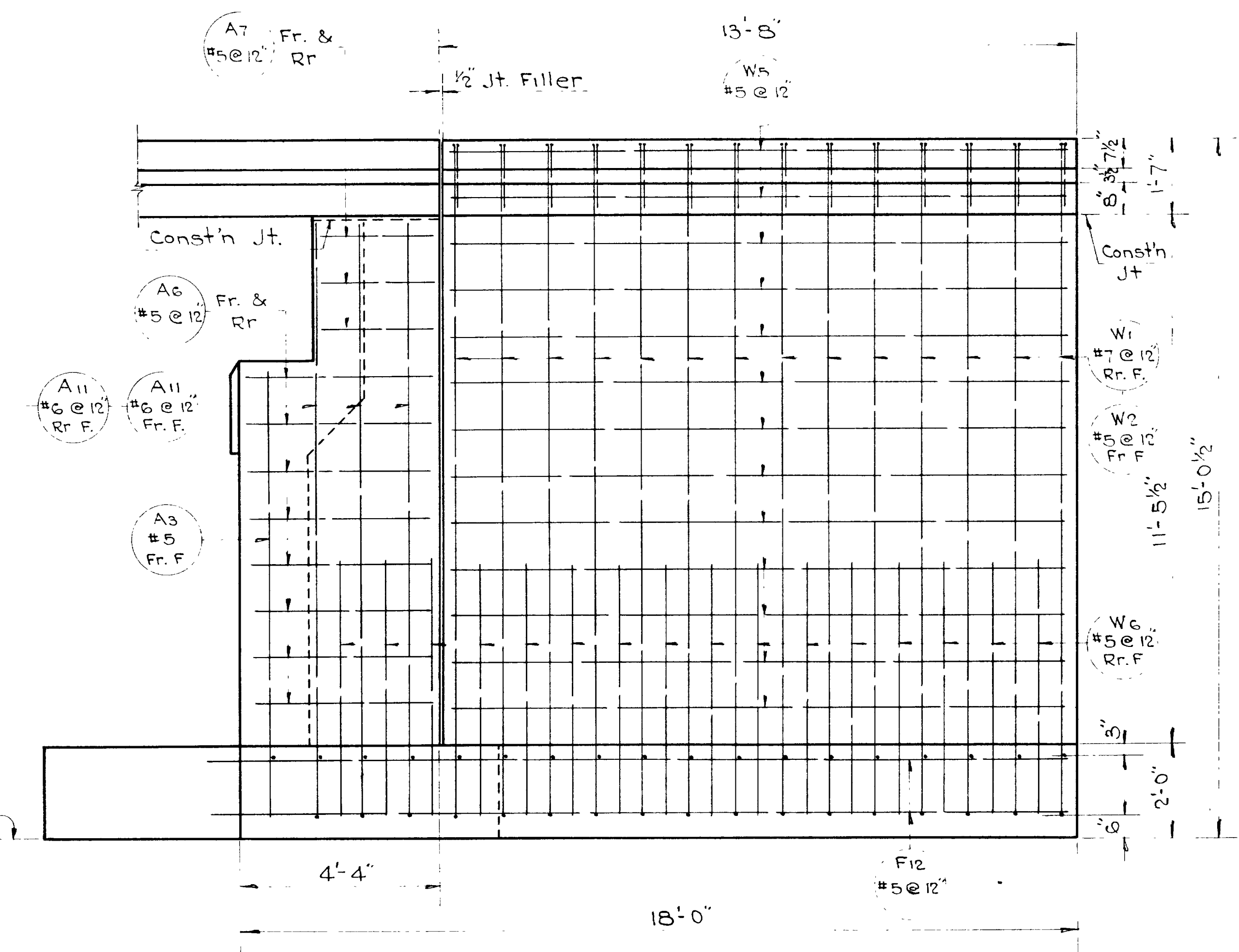
DRG No. C-286

REVISIONS	DATE	BY

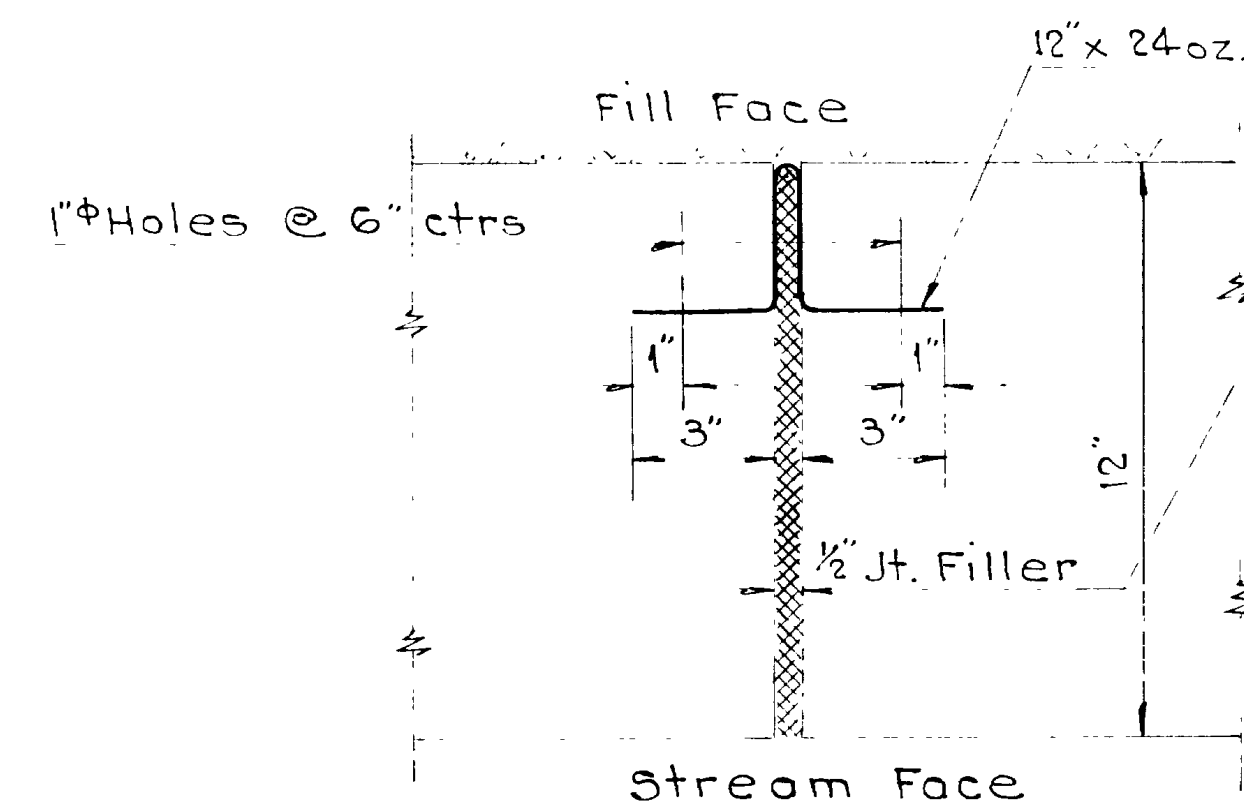


SECTION - WINGS A & B

ELEVATION - WINGS A



ELEVATION - WINGS B



DETAIL OF JOINT - WINGS A & B

Joint Filler shall be grey sponge rubber conforming to the requirements of the A.A.S.H.O. Specification M 153-52 except that item (C) Compression shall be revised to read as follows:
 The load required to compress the test specimen to 50% of its thickness before test shall not be greater than 1500 nor less than 50 pounds per square inch.

SHEET 4 OF 11 SHEETS

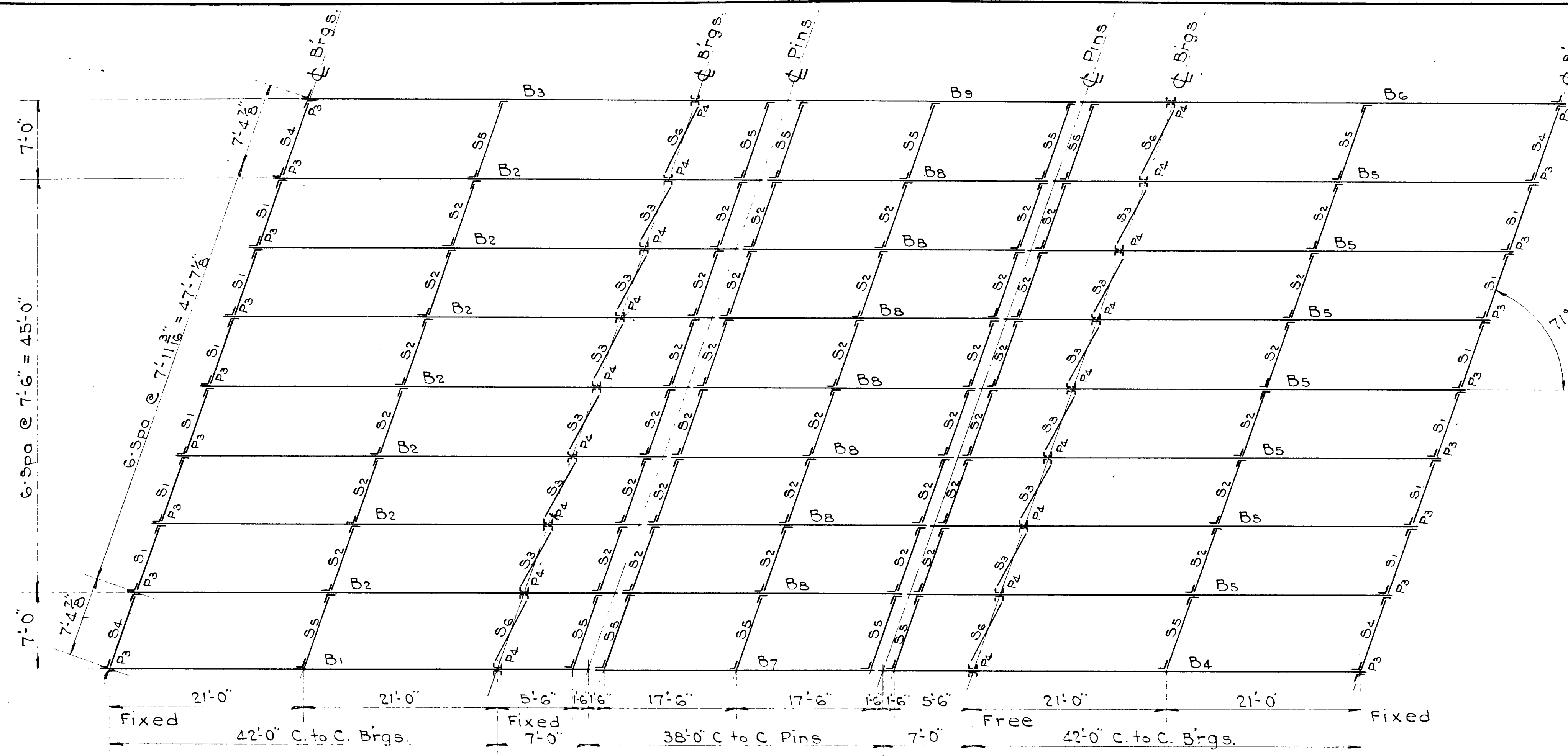
UTAH STATE ROAD COMMISSION
 SALT LAKE CITY, UTAH
 BRIDGE DEPARTMENT

OGDEN R. BRIDGE
WALL AVENUE
 139.53' O. to O. 109° XING L
 Sta. 156+77.5 S.P. 1541
 Weber

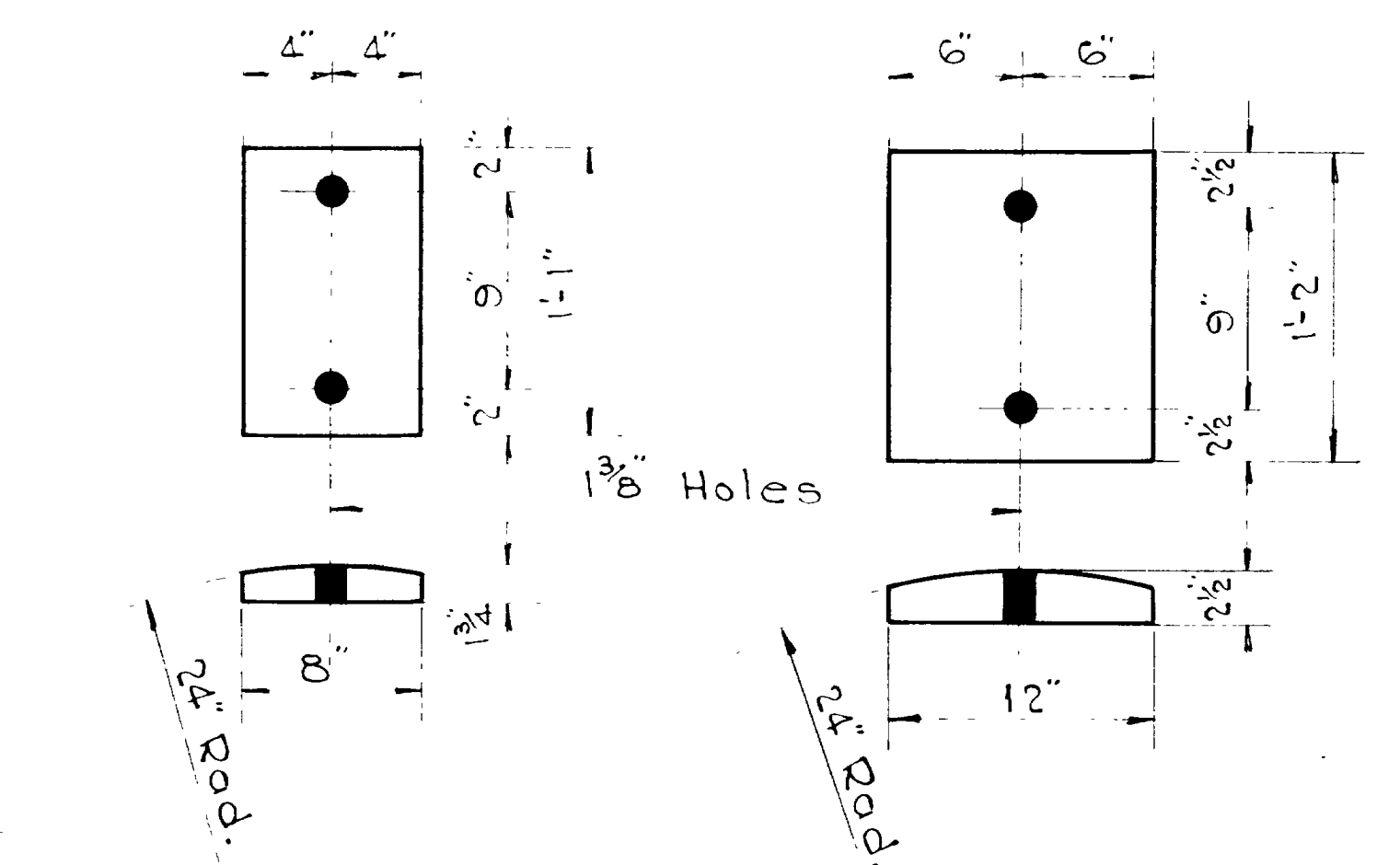
DESIGNED BY: F.M.E. SCALE: 1/2" = 1'-0"
 DRAWN BY: F.M.E. ISSUED: May 1, 1954
 CHECKED BY: R.W.I. APPROVED: [Signature]
 CHECKED BY: E.M.R. CHIEF BRIDGE ENGINEER

BR NO 29-202-2-1 DRG NO C-286

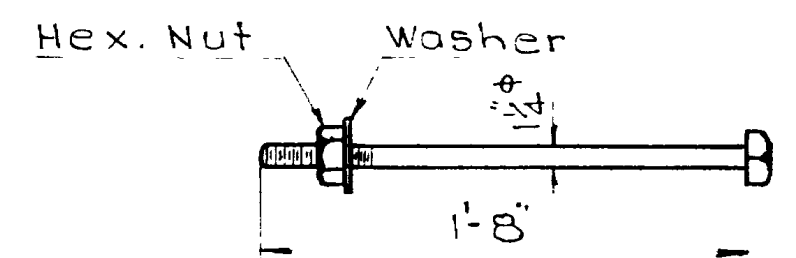
REVISIONS	DATE	BY



ERECTION DIAGRAM

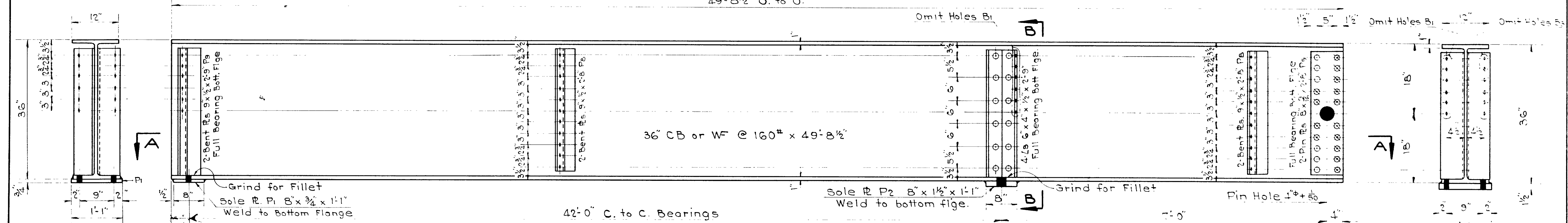


MASONRY PLATE MK. P3 MAKE 18
MASONRY PLATE MK. P4 MAKE 18



ANCHOR BOLTS - 72-REQ'D.

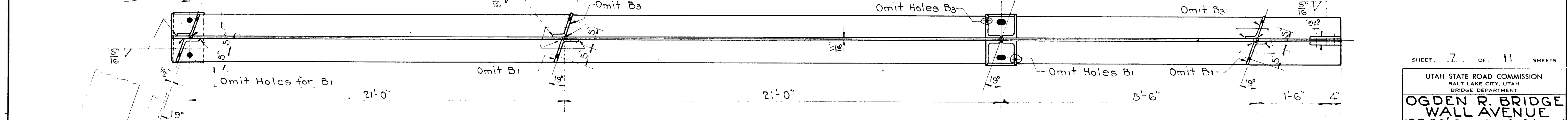
PART PLAN TOP FLANGE



ELEVATION BEAMS B2

END ELEV.

SECTION B-B



SECTION A-A

MAKE 7 BEAMS AS SHOWN
MAKE 1 BEAM " " & NOTED
MAKE 1 BEAM " " " "

MK. B2
MK. B1
MK. B3

SHEET 7 OF 11 SHEETS

UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

OGDEN R. BRIDGE
WALL AVENUE
139.53 O. to O. 109' x ING L
Sta. 156+77.5 S.P. 1541
Weber Co

DESIGNED BY F.M.E.
DRAWN BY F.M.E.
TRACED BY R.W.I.
CHECKED BY E.M.R.

May 1, 1954
W. Peterson

By No. 29-202-2-1
Draw No. C-286

MARK	LOCATION	SIZE	LGTH.	No. BARS	TOTAL LENGTH	SKETCH
A1	Abuts. FF & R.F.	#6	13'-3"	296	3922'-0"	
A11	Abuts. FF & R.F.	#6	16'-3"	16	260'-0"	
A2	" FF	#5	9'-8"	2	19'-4"	
A3	" FF	#5	9'-8"	6	58'-0"	
A4	Abuts. R.F.	#5	6'-0"	148	888'-0"	
A5	Abuts. F.F.	#5	4'-0"	148	592'-0"	
A6	Abuts. wings "B"	#5	6'-0"	32	192'-0"	
A7	Abuts. wings "B"	#5	4'-6"	12	54'-0"	
A8	Abuts. Br Seat	#6	4'-6"	150	675'-0"	
A9	Abutments	#5	39'-0"	96	3744'-0"	
A10	Abuts. wings "A"	#5	4'-0"	32	128'-0"	
AS1	Appr. slabs	#8	10'-3"	120	1230'-0"	
AS2	"	#5	10'-3"	120	1230'-0"	
AS3	"	#5	33'-0"	80	2640'-0"	
F1	Footings	#6	6'-6"	216	1404'-0"	
F2		#7	4'-0"	16	64'-0"	
F3		#5	42'-0"	32	1344'-0"	
F4		#5	41'-0"	4	164'-0"	
F5		#5	40'-0"	4	160'-0"	
F6		#5	41'-6"	4	166'-0"	
F7		#5	40'-3"	4	161'-0"	
F8		#5	39'-0"	4	156'-0"	
F9		#5	38'-0"	4	152'-0"	
F10		#11	16'-0"	20	320'-0"	
F11		#5	19'-6"	28	546'-0"	
F12	Footings	#5	18'-6"	28	518'-0"	
P1	Piers	#5	17'-0"	264	4488'-0"	
P2	Piers	#5	38'-6"	92	3542'-0"	
P3	Piers	#5	18'-0"	4	72'-0"	
P4	Piers	#5	14'-0"	28	392'-0"	
P5	Piers	#5	13'-9"	4	55'-0"	
PF1	Pier Footings	#5	4'-6"	140	630'-0"	
PF2	"	#5	16'-9"	4	67'-0"	
PF3	"	#5	17'-0"	4	68'-0"	
PF4	"	#5	17'-6"	4	70'-0"	
PF5	"	#5	17'-7"	4	70'-4"	
PF6	"	#5	18'-3"	4	73'-0"	

MARK	LOCATION	SIZE	LGTH.	No. BARS	TOTAL LENGTH	SKETCH
PF7	Pier Footings	#5	13'-0"	4	52'-0"	
PF8	"	#5	13'-4"	4	53'-4"	
PF9	"	#5	13'-9"	4	55'-0"	
PF10	"	#5	14'-1"	4	56'-4"	
PF11	"	#5	14'-6"	4	58'-0"	
PF12	"	#5	38'-0"	20	760'-0"	
R1	Rail Posts	#5	4'-0"	48	192'-0"	
R2	"	#5	5'-9"	24	138'-0"	
S1	Slab	#6	35'-0"	528	18,480'-0"	
S2	Slab	#6	36'-3"	256	9280'-0"	Sketch Above
S3	"	#5	50'-0"	256	12,800'-0"	
S4	"	#5	36'-10"	152	5,598'-0"	
S5	Curbs	#5	3'-4"	288	960'-0"	
S6	Sidewalks	#5	5'-9"	576	3312'-0"	
S7	"	#5	52'-9"	24	1266'-0"	
S8	"	#5	50'-9"	24	1218'-0"	
W1	Wing Walls A & B	#7	17'-9"	60	1065'-0"	
W2	Wing Walls A & B	#5	18'-9"	60	1125'-0"	
W3	Wing Walls (Sidewalk)	#5	8'-4"	60	500'-0"	
W4	"	#5	15'-3"	64	976'-0"	
W5	"	#5	13'-3"	64	848'-0"	
W6	Wings A & B R.F.	#5	6'-6"	66	429'-0"	

$52,782.0 \text{ Lin. Ft. } \#5 \text{ bars @ } 1.043\#/\text{ft} = 55,109\#$
 $34,027.0 \text{ " " } \#6 \text{ " @ } 1.502\#/\text{ft} = 51,106\#$
 $1,129.0 \text{ " " } \#7 \text{ " @ } 2.044\#/\text{ft} = 2,308$
 $1,230.0 \text{ " " } \#8 \text{ " @ } 2.670\#/\text{ft} = 3,284$
 $320.0 \text{ " " } \#11 \text{ " @ } 5.313\#/\text{ft} = 1,700$
Total = 113,444 #
113,520

Note: Unless otherwise shown all dimensions refer to centers of bars

REVISIONS	DATE	BY

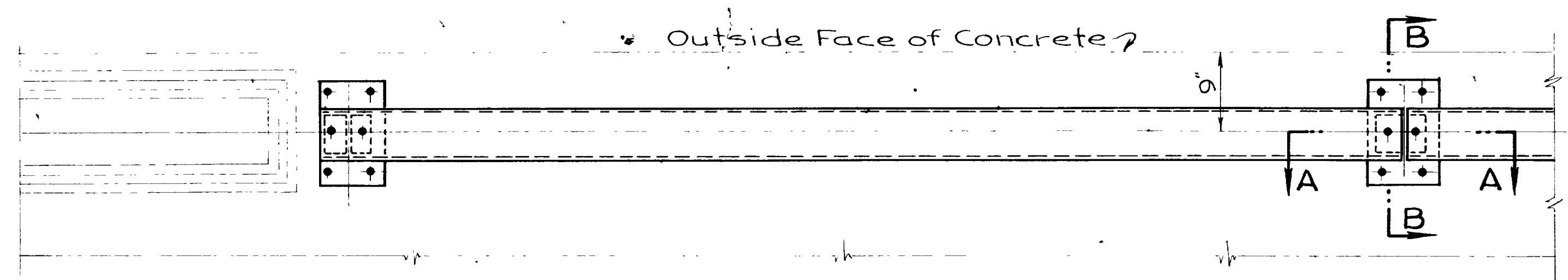
SHEET 11 OF 11 SHEETS

UTAH STATE ROAD COMMISSION
SALT LAKE CITY, UTAH
BRIDGE DEPARTMENT

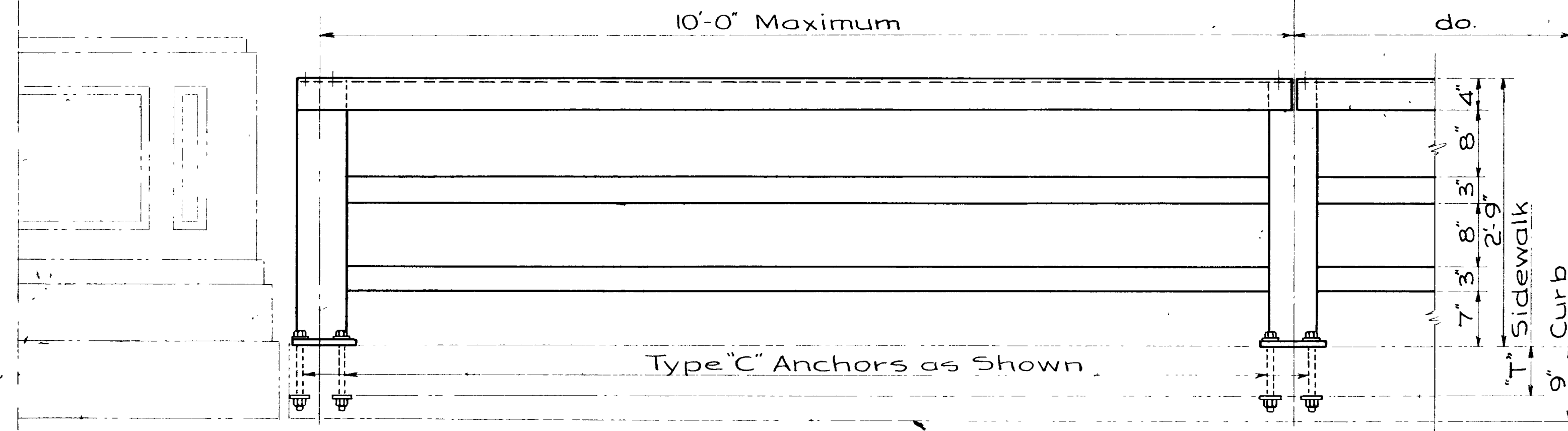
OGDEN R. BRIDGE
WALL AVENUE
Sta. 156+77.5 to 109+ING4
S.P. 1541
Weber Co.

DESIGNED BY F.M.E. SCALE None
DRAWN BY F.M.E. ISSUE 11/19/54
TRACED BY R.W.J.
CHECKED BY E.A.R. CHIEF BRIDGE ENGINEER

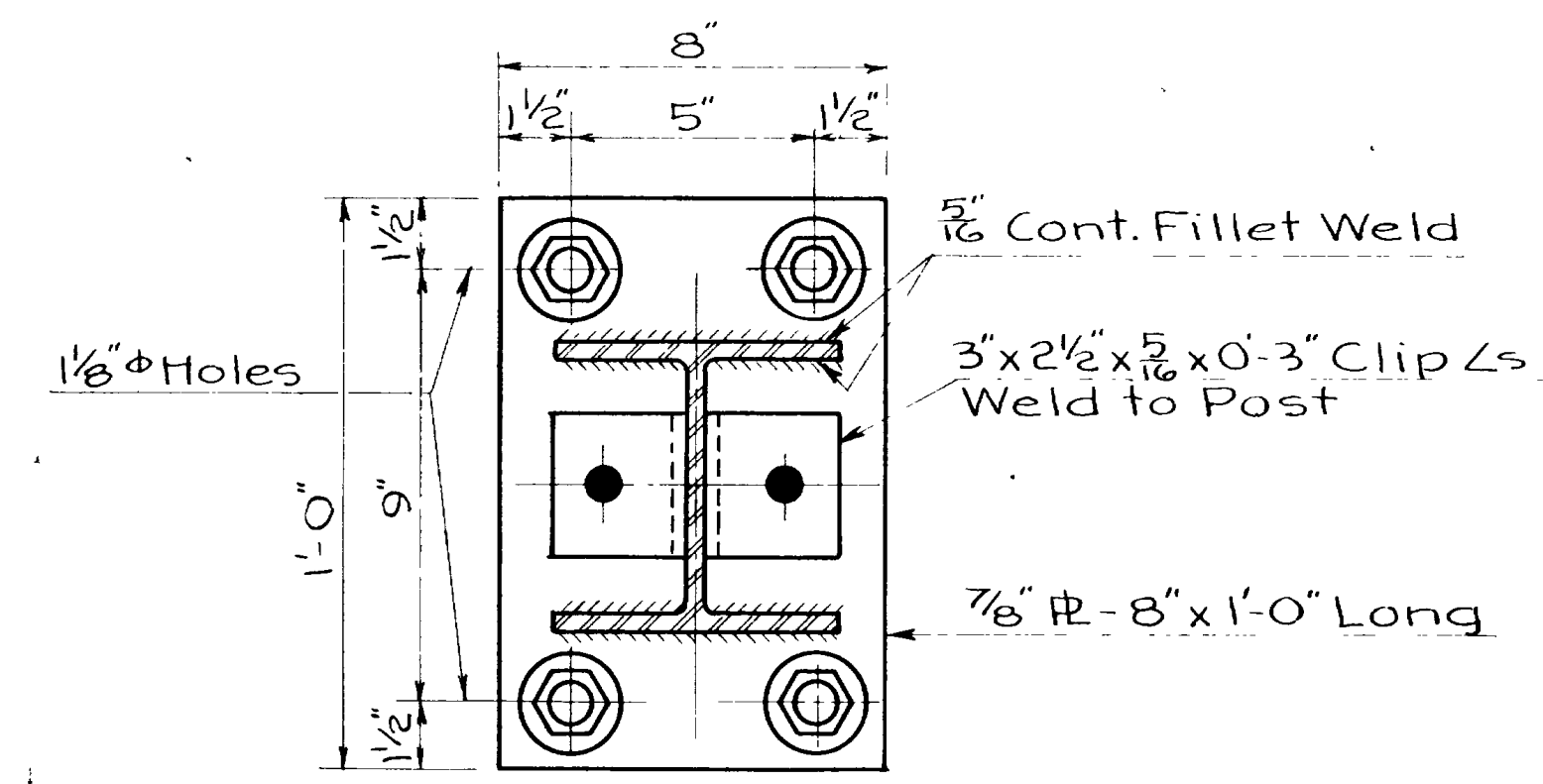
BR NO 29-202-2-1 DRG NO C-286



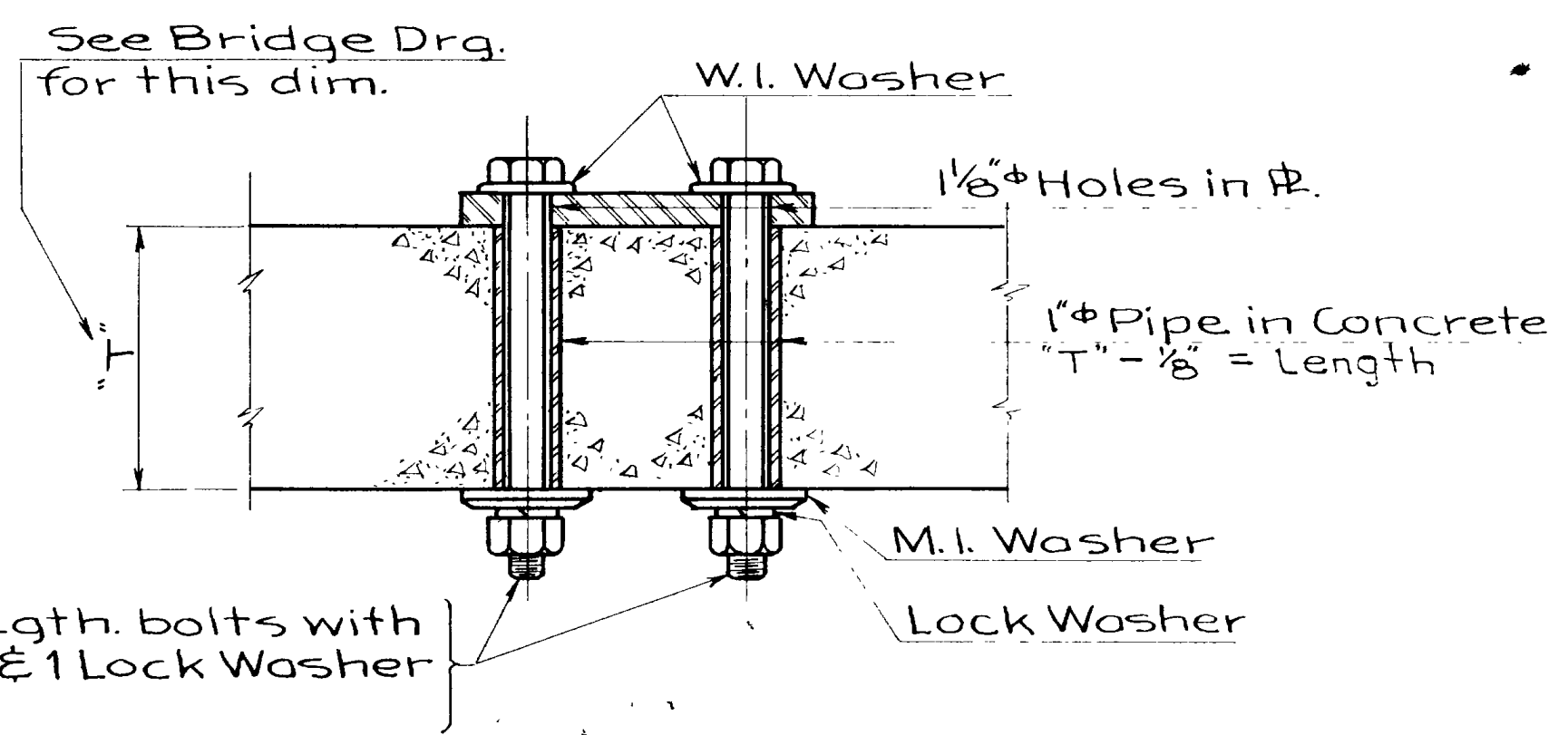
PART PLAN



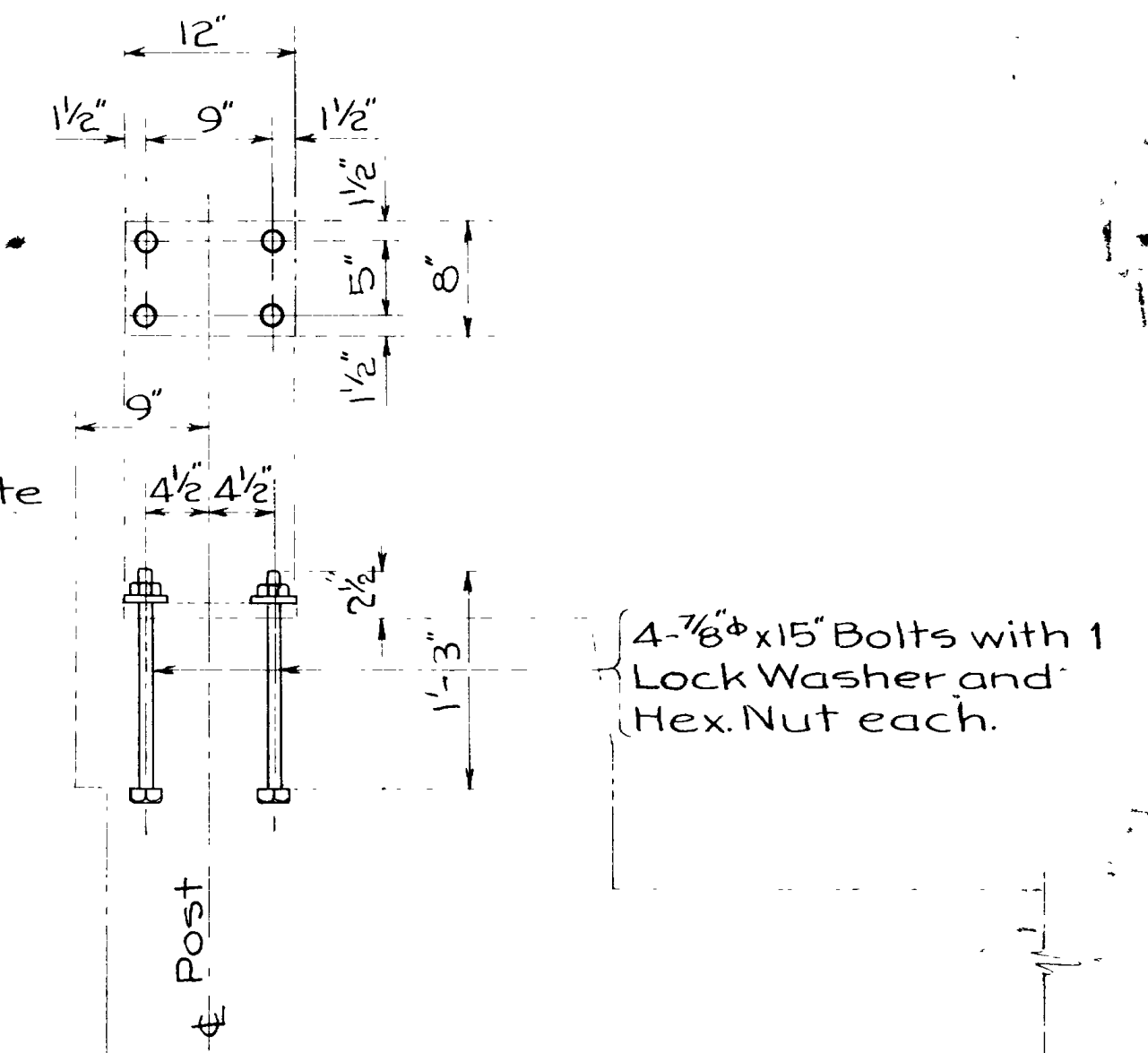
PART ELEVATION



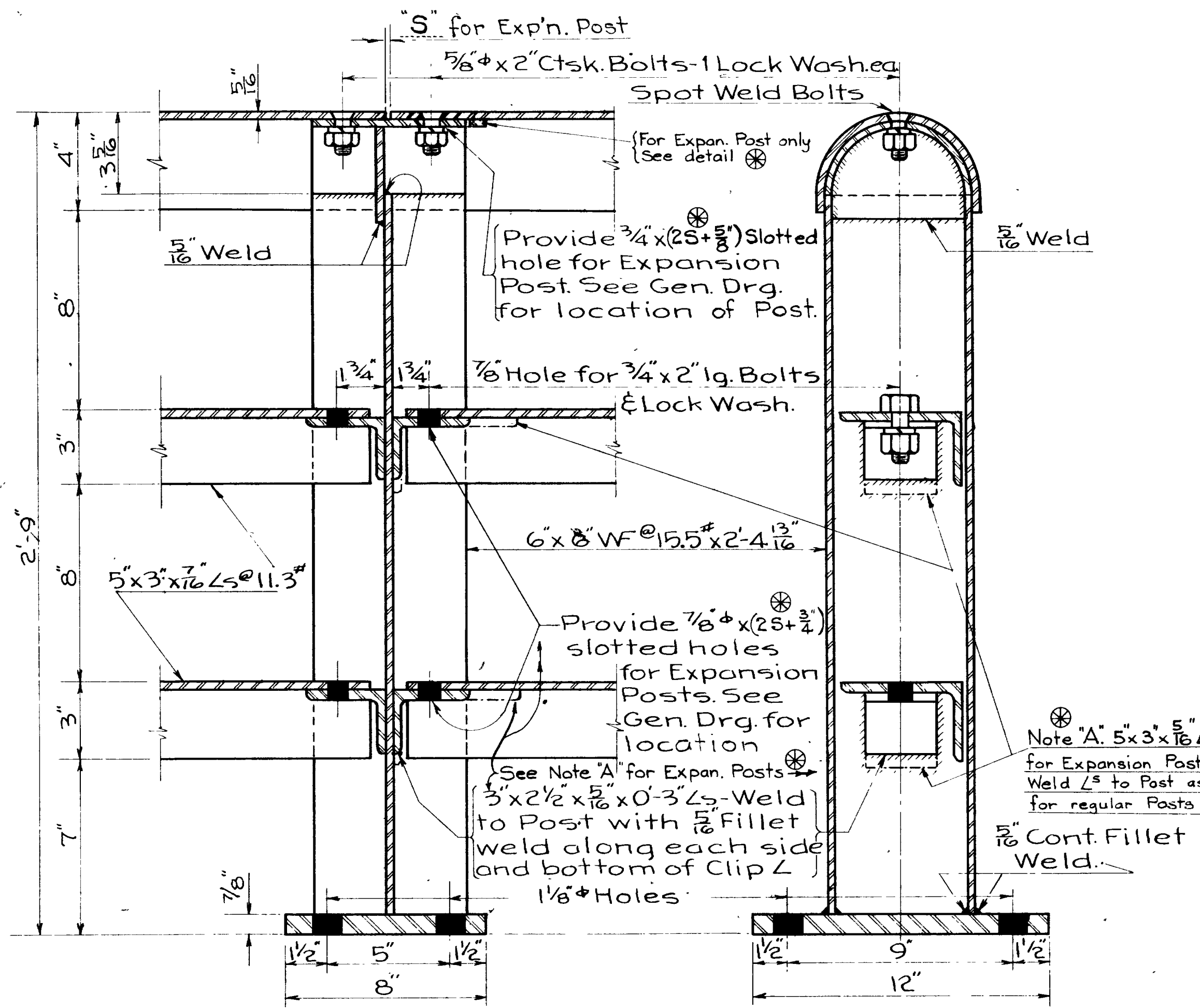
SECTION THRU POST



ANCHOR BOLT DETAIL TYPE "C" ANCHORS

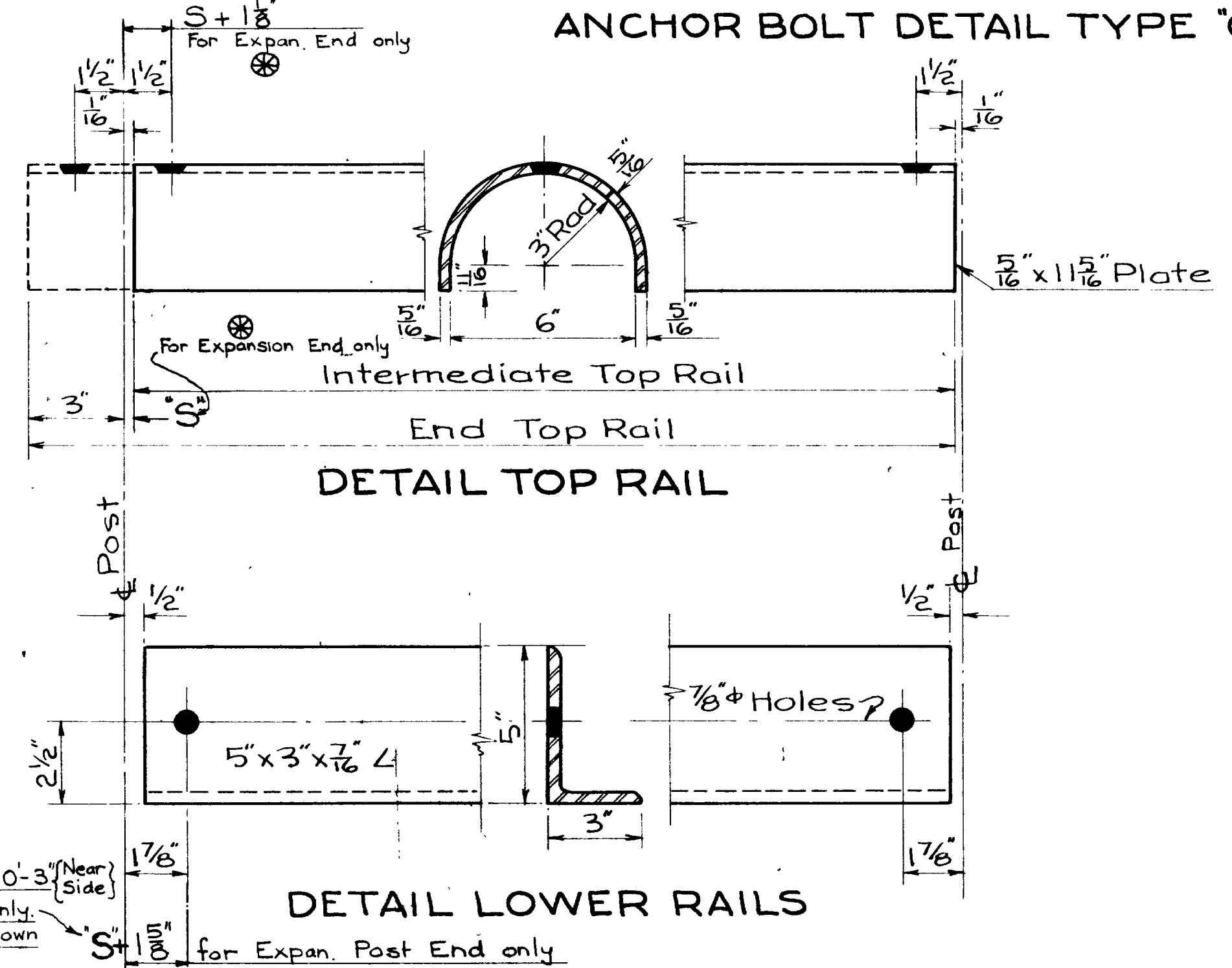


ANCHOR BOLT DETAIL "D"



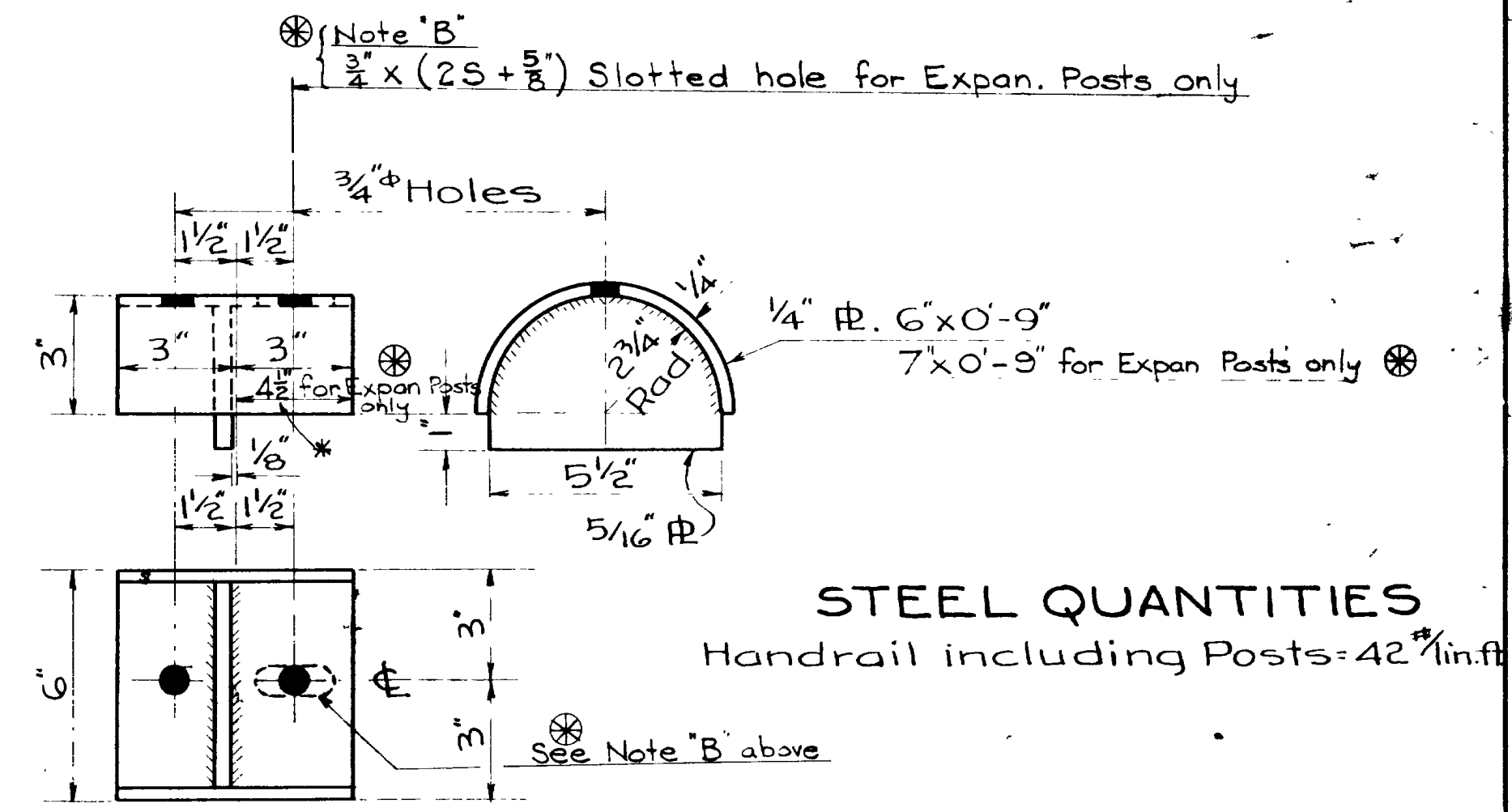
SECTION "A-A"

SECTION "B-B"



DETAIL TOP RAIL

DETAIL LOWER RAILS



STEEL QUANTITIES
Handrail including Posts=42 1/2 lin.ft

DETAIL OF POST CAP & TOP RAIL SUPPORT
Weld to top of Post as shown

SHEET _____ OF _____ SHEETS	
UTAH STATE ROAD COMMISSION SALT LAKE CITY, UTAH BRIDGE DEPARTMENT	
STANDARD STEEL HANDRAIL	
DESIGNED BY: F.M.E.	SCALE: NO SCALE
DRAWN BY: F.E.G.	APPROVED: [Signature]
CHECKED BY: [Signature]	CHIEF BRIDGE ENGINEER
DRG NO. SR-3	