

PLANS
NOT
TO
SCALE

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	MONT.	I 15-4(12) 207	I 15-4(7) 195	8154-07	1	7

Sieben - North

NW 1/4 NW 1/4 - SEC. 23

NE 1/4 NE 1/4 - SEC. 22

1104

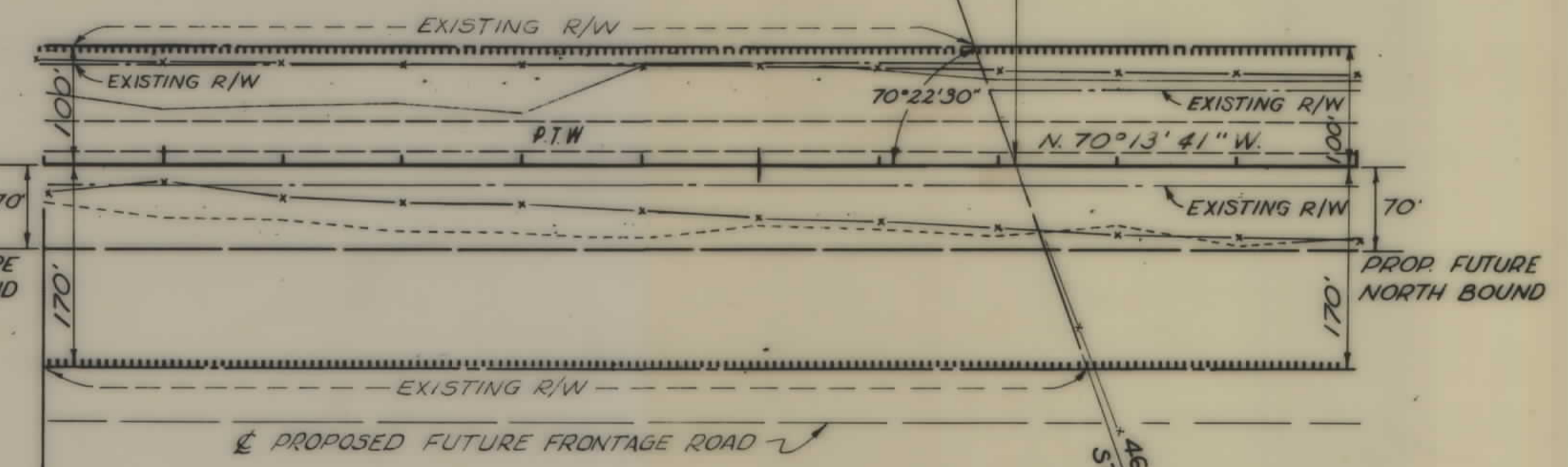
1110

1115



START R/W HERE

EQUATION IN BEARINGS
 $N. 70^{\circ} 10' 30'' W. BK. (I-15-4(9) 194) =$
 $N. 70^{\circ} 13' 41'' W. AH. (I-15-4(12) 207)$
 (SOLAR BEARING)



BEGIN I 15-4(12) 207 CONST.
 STA. 1104+00.0 =
 ON I 15-4(7) 195 R/W
 STA. 1104+00.0 ±
 STA. 1223+92.8
 NRM 269-B

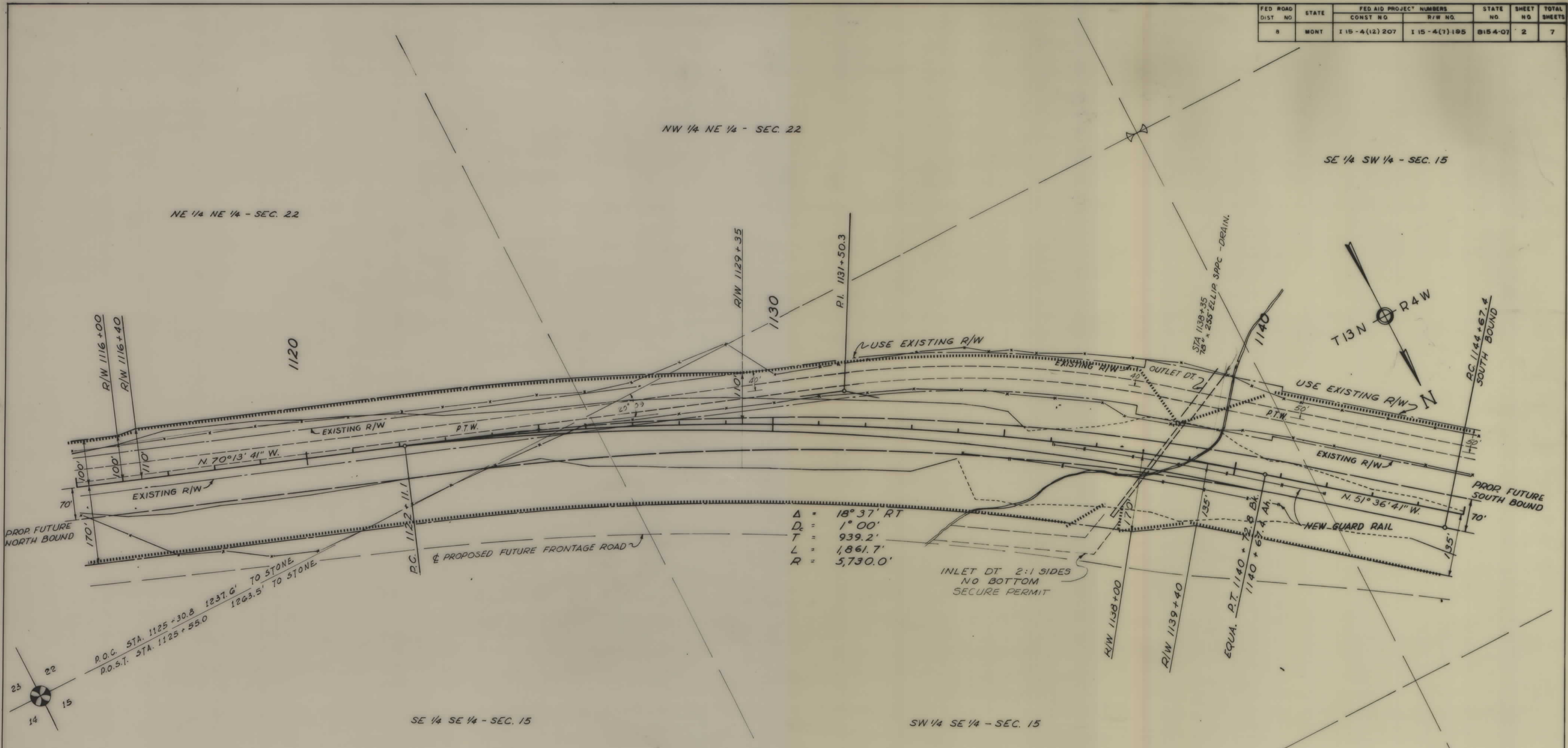
461.6' TO STONE
 STA. 1112+13.8

PARCEL NO.	LOCATION	OWNER	ADDRESS	ACREAGE TAKEN	REMAINDER	
					LT.	R.T.
	NE 1/4 NE 1/4 SEC. 22	SIEBEN RANCH CO.		7.7	29.8	2.5

CONSTRUCTION LIMITS TOP OF CUT _____ TOE OF FILL _____ MAP TRANS TO R/W 8-24-61 MAP REVISED _____ B.P.R. APPROVAL 8/23/61	STATE OF MONTANA STATE HIGHWAY COMMISSION LAND REQUIRED FOR RIGHT OF WAY LEWIS & CLARK COUNTY SCALE 1"=100' MAP COMPLETED 8-23-61
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15-4(7)195 SH1 1 OF 7

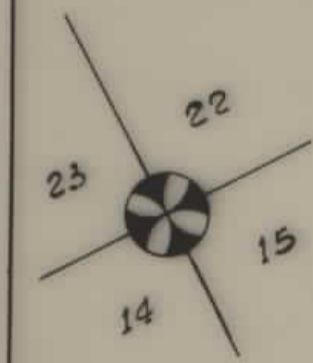
FED ROAD DIST NO	STATE	FED AID PROJECT NUMBERS		STATE NO	SHEET NO	TOTAL SHEETS
		CONST NO	R/W NO			
8	MONT	I 15-4(12) 207	I 15-4(7) 195	8154-07	2	7



PROP FUTURE NORTH BOUND
 170'
 70'
 100'
 100'
 110'
 N 70° 13' 41" W
 EXISTING R/W
 P.T.W.
 P.C. 1122+11.1
 P.O.C. STA. 1125+30.8 1237.6' TO STONE
 P.O.S.T. STA. 1125+55.0 1263.5' TO STONE

Δ = 18° 37' RT
 D_c = 1° 00'
 T = 939.2'
 L = 1,861.7'
 R = 5,730.0'

INLET DT 2:1 SIDES
 NO BOTTOM
 SECURE PERMIT



SE 1/4 SE 1/4 - SEC. 15

SW 1/4 SE 1/4 - SEC. 15

PARCEL NO.	LOCATION	OWNER	ADDRESS	ACREAGE TAKEN	REMAINDER	
					LT.	RT.
	NE 1/4 NE 1/4 SEC. 22	SIEBEN RANCH CO.		7.7	29.8	2.5
	NW 1/4 NE 1/4 SEC. 22	"		0.2	33.8	-
	SE 1/4 SE 1/4 SEC. 15	"		1.4	-	38.6
	SW 1/4 SE 1/4 SEC. 15	"		11.2	6.7	22.1
	SE 1/4 SW 1/4 SEC. 15	SIEBEN RANCH CO.		5.8	32.9	1.3

CONSTRUCTION LIMITS TOP OF CUT TOE OF FILL	STATE OF MONTANA STATE HIGHWAY COMMISSION LAND REQUIRED FOR RIGHT OF WAY LEWIS & CLARK COUNTY SCALE 1"=100' MAP COMPLETED 8-23-61
MAP TRANS TO R/W 8-24-61 MAP REVISED B.P.R. APPROVAL 8/27/61	

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	MONT.	115-4(12)207	115-4(7)195	8154-07	3	7

SE 1/4 SW 1/4 - SEC. 15

NW 1/4 SW 1/4 - SEC. 15

SOUTH BOUND
 $\Delta = 3^{\circ}44'$
 $D = 0^{\circ}30'$
 $T = 373.5'$
 $L = 746.7'$

1150

P.I. 1159+15.7
SOUTH BOUND

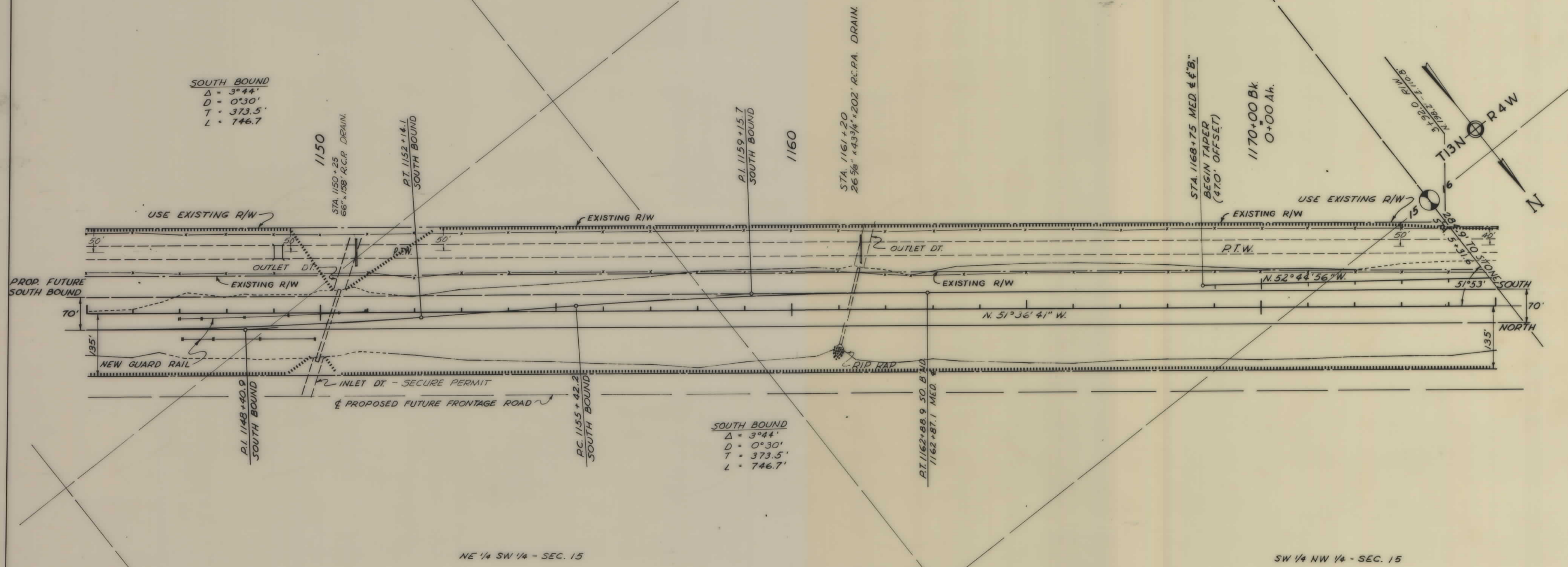
1160

STA. 1161+20
26 5/8" x 43 3/4" x 202' R.C.P.A. DRAIN.

STA. 1168+75 MED. & 1/2" B.
BEGIN TAPER
(470' OFFSET)

1170+00 Bk.
0+00 Ah.

T13N R4W



SOUTH BOUND
 $\Delta = 3^{\circ}44'$
 $D = 0^{\circ}30'$
 $T = 373.5'$
 $L = 746.7'$

NE 1/4 SW 1/4 - SEC. 15

SW 1/4 NW 1/4 - SEC. 15

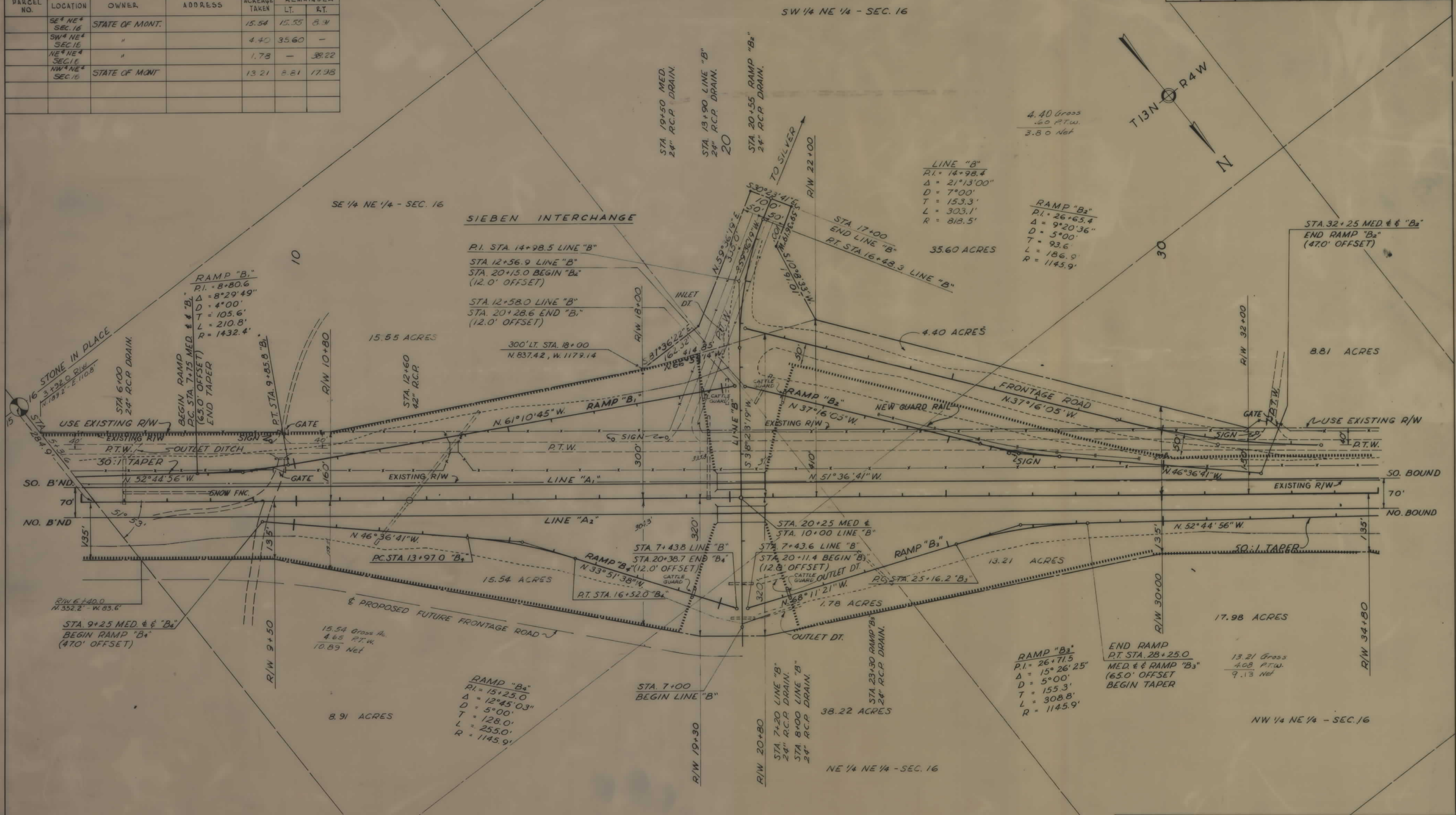
PARCEL NO.	LOCATION	OWNER	ADDRESS	ACREAGE TAKEN	REMAINDER	
					LT.	RT.
	SE 1/4 SW 1/4 SEC. 15	SIEBEN RANCH CO.		5.8	32.9	1.3
	NE 1/4 SW 1/4 SEC. 15	"		6.3	1.7	32.0
	NW 1/4 SW 1/4 SEC. 15	"		9.3	25.6	5.1
	SW 1/4 NW 1/4 SEC. 15	SIEBEN RANCH CO.		3.0	0.05	26.95

CONSTRUCTION LIMITS TOP OF CUT ----- TOE OF FILL -----	STATE OF MONTANA STATE HIGHWAY COMMISSION LAND REQUIRED FOR RIGHT OF WAY LEWIS & CLARK COUNTY
MAP TRANS TO R/W 8-24-61 MAP REVISED _____ B.P.R. APPROVAL 8/24/61	SCALE 1"=100' MAP COMPLETED 8-23-61

115-4(7)195 SHT 3 OF 7

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	MONT.	115-4(12) 207	115-4(7) 195	8154-07	4	7

PARCEL NO.	LOCATION	OWNER	ADDRESS	ACREAGE TAKEN	REMAINDER	
					LT.	RT.
	SE 1/4 NE 1/4 SEC. 16	STATE OF MONT.		15.54	15.55	8.34
	SW 1/4 NE 1/4 SEC. 16	"		4.40	35.60	-
	NE 1/4 NE 1/4 SEC. 16	"		1.78	-	38.22
	NW 1/4 NE 1/4 SEC. 16	STATE OF MONT.		13.21	8.81	17.98



RAMP "B1"
 P.I. = 8+80.6
 $\Delta = 8^{\circ}29'49''$
 $D = 4^{\circ}00'$
 $T = 105.6'$
 $L = 210.8'$
 $R = 1432.4'$

LINE "B"
 P.I. STA. 14+98.5
 STA. 12+56.9
 STA. 20+15.0 BEGIN "B2"
 (12.0' OFFSET)

LINE "B"
 P.I. = 14+98.4
 $\Delta = 21^{\circ}13'00''$
 $D = 7^{\circ}00'$
 $T = 153.3'$
 $L = 303.1'$
 $R = 818.5'$

RAMP "B2"
 P.I. = 26+65.4
 $\Delta = 9^{\circ}20'36''$
 $D = 5^{\circ}00'$
 $T = 93.6'$
 $L = 186.9'$
 $R = 1145.9'$

RAMP "B4"
 P.I. = 15+25.0
 $\Delta = 12^{\circ}45'03''$
 $D = 5^{\circ}00'$
 $T = 128.0'$
 $L = 255.0'$
 $R = 1145.9'$

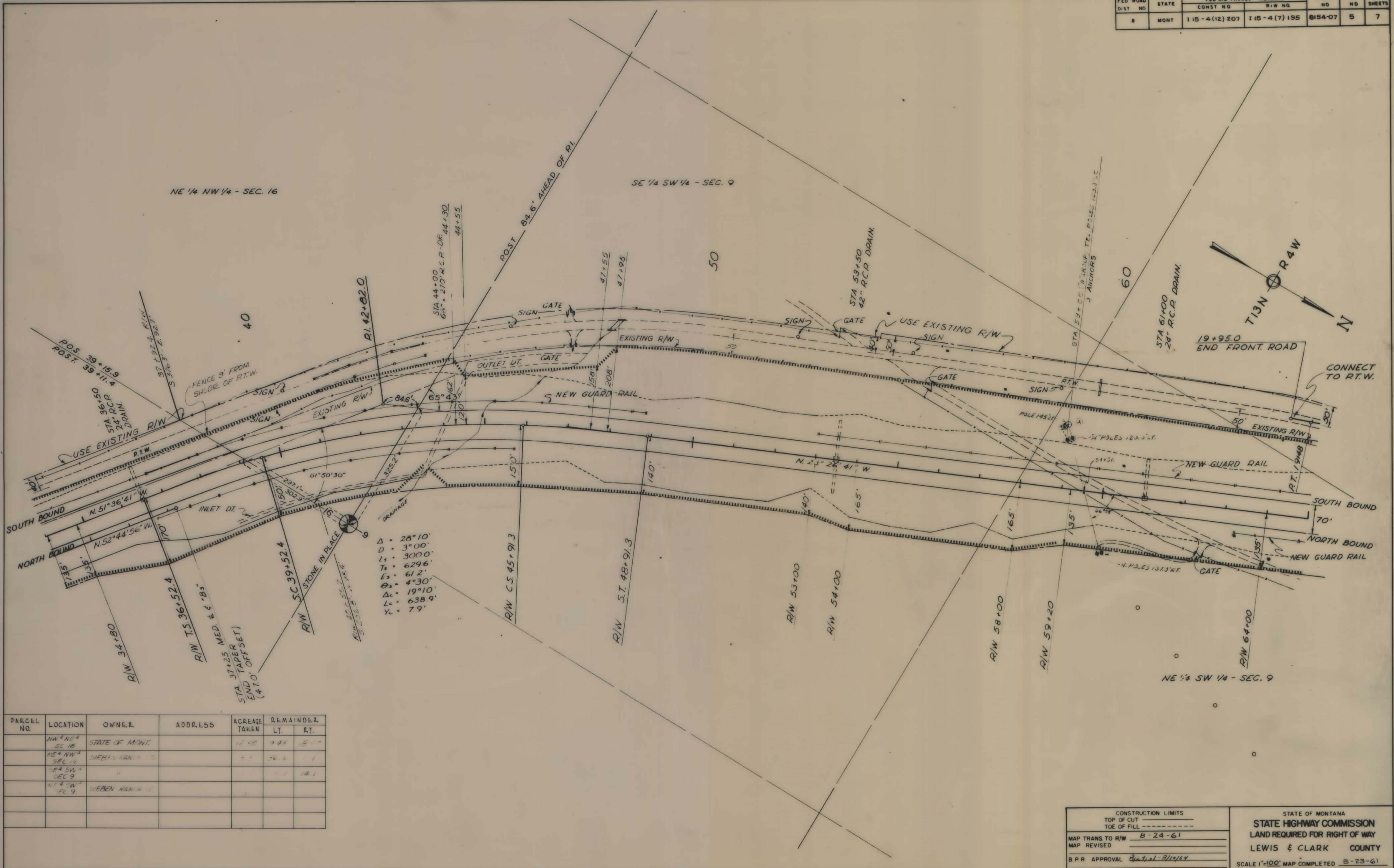
RAMP "B3"
 P.I. = 26+71.5
 $\Delta = 15^{\circ}26'25''$
 $D = 5^{\circ}00'$
 $T = 155.3'$
 $L = 308.8'$
 $R = 1145.9'$

END RAMP "B3"
 P.T. STA. 28+25.0
 MED. & RAMP "B3"
 (65.0' OFFSET)
 BEGIN TAPER

CONSTRUCTION LIMITS		STATE OF MONTANA	
TOP OF CUT	-----	STATE HIGHWAY COMMISSION	
TOE OF FILL	-----	LAND REQUIRED FOR RIGHT OF WAY	
MAP TRANS TO R/W	8-24-61	LEWIS & CLARK COUNTY	
MAP REVISED		SCALE 1"=100' MAP COMPLETED 8-23-61	
B.P.R. APPROVAL	8/24/61-9/18/61		

115-4(7)195 SH 4 OF 7

FED ROAD DIST NO	STATE	FED AID PROJECT NUMBERS		STATE NO	SHEET NO	TOTAL SHEETS
		CONST NO	R/W NO			
8	MONT	115-4(12)207	115-4(7)195	8154-07	5	7



PARCEL NO.	LOCATION	OWNER	ADDRESS	ACREAGE TAKEN	REMAINDER
	NW 1/4 NE 1/4 SEC 16	STATE OF MONT.		12.40	12.40
	NE 1/4 NW 1/4 SEC 9	SIEBEN RANCH CO.		1.00	1.00
	SE 1/4 SW 1/4 SEC 9	"		1.00	1.00
	NW 1/4 SW 1/4 SEC 9	SIEBEN RANCH CO.		1.00	1.00

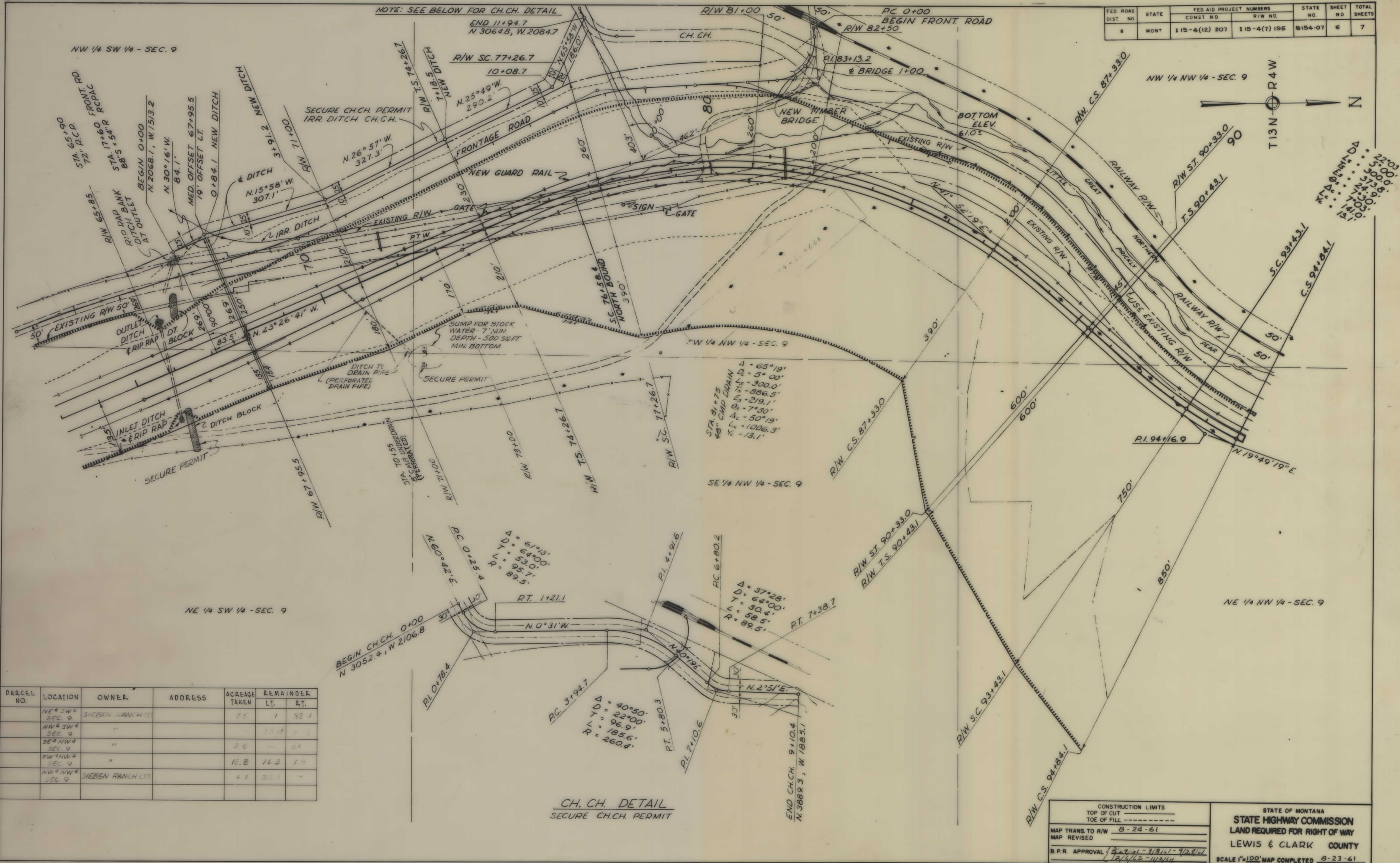
Δ	28°10'
D	3°00'
L_s	3000'
T_s	6296'
E_s	612'
Θ_s	4°30'
Δ_c	19°10'
L_c	638.9'
Y_c	79'

CONSTRUCTION LIMITS TOP OF CUT _____ TOE OF FILL _____	STATE OF MONTANA STATE HIGHWAY COMMISSION LAND REQUIRED FOR RIGHT OF WAY LEWIS & CLARK COUNTY
MAP TRANS TO R/W 8-24-61	
MAP REVISED _____	
B.P.R. APPROVAL <i>[Signature]</i> 8-21-61	SCALE 1"=100' MAP COMPLETED 8-23-61

115-4(7)195 SHT 5 OF 7

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONSTR. NO.	R/W NO.			
8	MONT.	115-4(12) 207	115-4(7) 195	9154-07	6	7

NOTE: SEE BELOW FOR CH.CH. DETAIL



22°03'
 500.0'
 373.8'
 24.9'
 120.3'
 141.0'
 13.1'

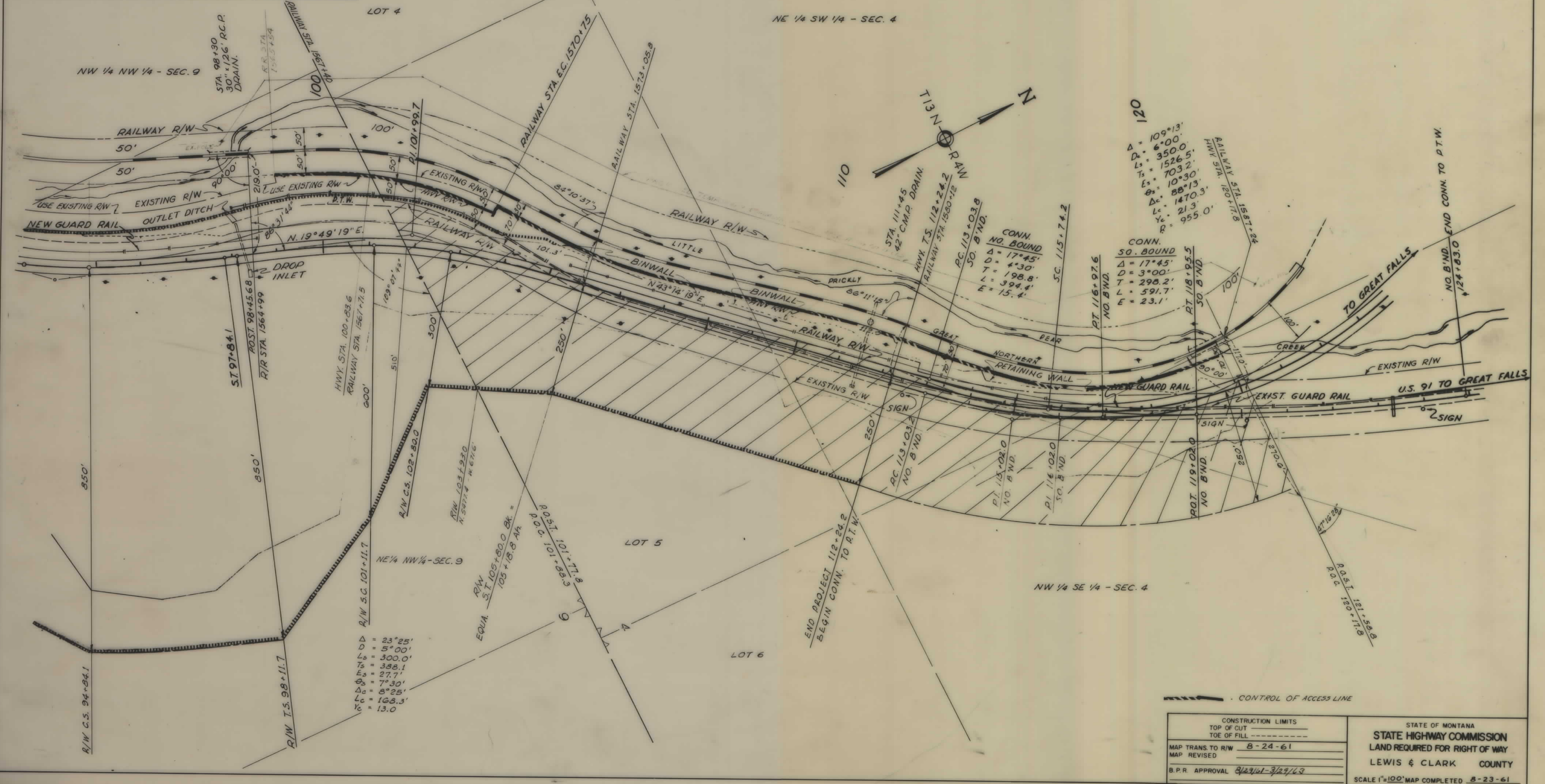
PARCEL NO.	LOCATION	OWNER	ADDRESS	ACREAGE TAKEN	REMAINDER LT.	REMAINDER RT.
	NE 1/4 SW 1/4 SEC. 9	SIEBEN RANCH CO.		7.5	1	52.4
	NW 1/4 SW 1/4 SEC. 9	"				
	SE 1/4 NW 1/4 SEC. 9	"		2.0		2.4
	SW 1/4 NW 1/4 SEC. 9	"		12.8	14.3	1.3
	NW 1/4 NW 1/4 SEC. 9	SIEBEN RANCH CO.		4.1	3.1	

CH. CH. DETAIL
SECURE CH. CH. PERMIT

CONSTRUCTION LIMITS TOP OF CUT _____ TOE OF FILL _____	STATE OF MONTANA STATE HIGHWAY COMMISSION LAND REQUIRED FOR RIGHT OF WAY LEWIS & CLARK COUNTY
MAP TRANS. TO R/W 8-24-61	
MAP REVISED _____	
B.P.R. APPROVAL 3/27/61 - 7/18/61 - 9/28/61 12/4/62 - 11/2/64	SCALE 1"=100' MAP COMPLETED 8-23-61

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	CONTRACT NO.	SECTION	STATE NO.	SHEET NO.	TOTAL SHEETS
8	MONT.	I,15-4(12)207	I,15-4(7)195		8154-07	7	7

PARCEL NO.	LOCATION	OWNER	ADDRESS	ACREAGE TAKEN	REMAINDER	
					LT.	RT.
NE 1/4 NW 1/4 SEC. 9		SIEBEN RANCH CO.		25.3	1.2	12.4
LOT 5 SEC. 4		GREAT NORTHERN		1.3	2.8	-
LOT 5 SEC. 4		U.S. GOV'T		6.1	3.9	4.6
NE 1/4 SW 1/4 SEC. 4		GREAT NORTHERN		1.3	3.4	-
NE 1/4 SW 1/4 SEC. 4		U.S. GOV'T		2.5	32.7	.1
NW 1/4 SEC. 4		GREAT NORTHERN		0.5	0.1	-
NW 1/4 SEC. 4		U.S. GOV'T		3.7		



120
 $\Delta = 109^{\circ}13'$
 $D_c = 6^{\circ}00'$
 $L_s = 350.0'$
 $T_s = 1526.5'$
 $E_s = 703.2'$
 $\theta_s = 10^{\circ}30'$
 $\Delta_c = 88^{\circ}13'$
 $L_c = 1470.3'$
 $Y_c = 21.3'$
 $R = 955.0'$

CONN. NO. BOUND
 $\Delta = 17^{\circ}45'$
 $D = 4^{\circ}30'$
 $T = 198.8'$
 $L = 394.4'$
 $E = 15.4'$

CONN. SO. BOUND
 $\Delta = 17^{\circ}45'$
 $D = 3^{\circ}00'$
 $T = 298.2'$
 $L = 591.7'$
 $E = 23.1'$

$\Delta = 23^{\circ}25'$
 $D = 5^{\circ}00'$
 $L_s = 300.0'$
 $T_s = 388.1'$
 $E_s = 27.7'$
 $\Delta_c = 7^{\circ}30'$
 $L_c = 8^{\circ}25'$
 $E_c = 168.3'$
 $R = 13.0'$

CONTROL OF ACCESS LINE

CONSTRUCTION LIMITS	STATE OF MONTANA
TOP OF CUT	STATE HIGHWAY COMMISSION
TOE OF FILL	LAND REQUIRED FOR RIGHT OF WAY
MAP TRANS TO R/W 8-24-61	LEWIS & CLARK COUNTY
MAP REVISED	
B.P.R. APPROVAL 8/27/61-3/29/63	SCALE 1"=100' MAP COMPLETED 8-23-61