

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
8	COLO.	E240C	1	

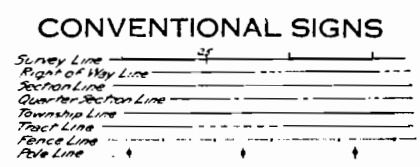
Rev. 3-4-33 - S.B.L.
3-18-33 - S.B.L.

COLORADO

STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. E240C STATE HIGHWAY NO. 4 EAGLE COUNTY

- #### INDEX OF SHEETS
- 1. Title Sheet
 - 2. Typical Section and Summary Sheet
 - 3-5. Details of Bridge, 3+49+40 to Sta. 51+05.3
 - 6. Standard Double Concrete Box Culvert M 110 A
 - 7. " Concrete Box Culvert M 104 D
 - 8. " Headwalls for Culverts M 102 E
 - 9. " Wire Fence and Markers M 24 F
 - 10. " Wire Cable Guard Fence M 20 F
 - 11. " Method of Superlevation M 1 A
 - 12-13. Plan and Profile Sheets
 - 14-23. Cross Section Sheets
 - 11A. Details of Timber Bridge, app. Sta. 53+50
 - 9A. 60' Combination Wire Fence

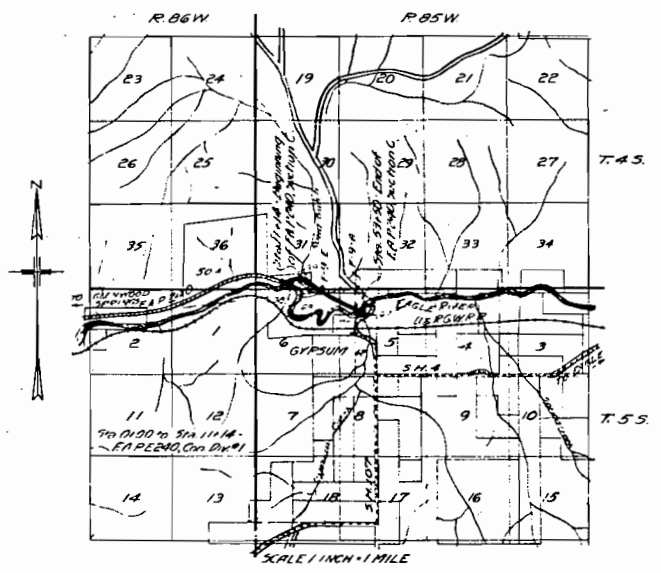


SCALES

ON PLAN, 1 IN. = 100 FT.
ON PROFILE (1 IN. = 100 FT. HORIZONTAL
1 IN. = 10 FT. VERTICAL)

GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD

GROSS LENGTH OF PROJECT } 42360 FT. = 0.802 MI.
NET LENGTH OF PROJECT }



RECOMMENDED FOR APPROVAL 2/18/33
[Signature]
ASSISTANT ENGINEER

APPROVED
[Signature]
STATE HIGHWAY ENGINEER

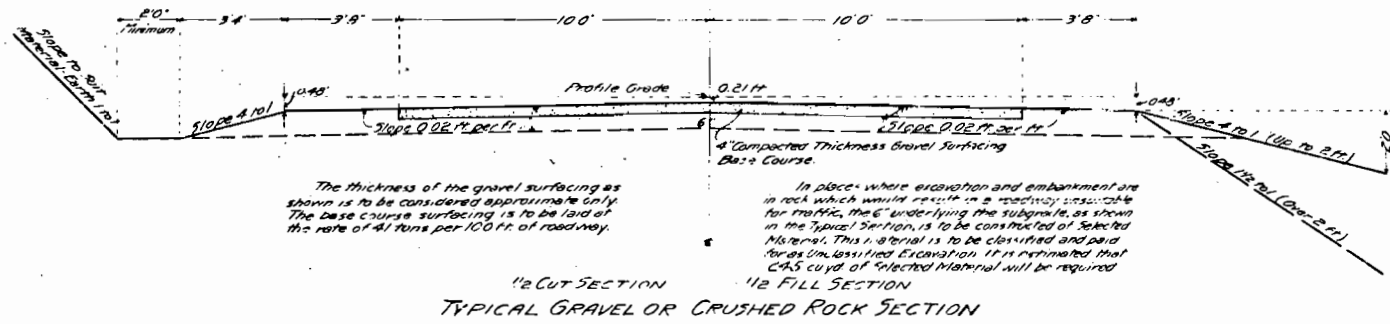
RECOMMENDED FOR APPROVAL
[Redacted]
DIST. ENG. BUREAU PUBLIC ROADS

RECOMMENDED FOR APPROVAL
[Redacted]
CHIEF ENG. BUREAU PUBLIC ROADS

APPROVED
[Redacted]
DIRECTOR BUREAU PUBLIC ROADS

TYPICAL CROSS SECTION OF IMPROVEMENT AND SUMMARY OF QUANTITIES

Rev 7-23-53 S.D.L.
 3-15-53 J.S.
 FEDERAL ROAD DIST. NO. STATE FED. AID PROJ. NO. SHEET NO. TOTAL SHEETS
 1 COL. E 240C 2
 E 240 - Const Div 1
 Revised as Constructed 3-15-54 R.R.P.



1/2 CUT SECTION
 1/2 FILL SECTION
 TYPICAL GRAVEL OR CRUSHED ROCK SECTION

GENERAL NOTES

This Project is to be constructed in conformity with the Specifications of the Colorado State Highway Department adopted January 1, 1930.
 All Quantities on preliminary plans are to be considered approximate only.
 All Curves are to be super-elevated as provided for by the Standard Super-elevation Sheet included with the plans.
 All Roadway Excavation required to construct this project is to be obtained as indicated on the plans. Quantities involved beyond the limits of the ditch as shown in the Typical Section, either noted on the Profile as Bottom, or on the List of Structures as Embankment or required as Retain. Markers, of to back-fill the subgrade, is to be classified and paid for as Unclassified Excavation. These quantities are to be stated as part of the original excavation of locations indicated on the plans. Slope stakes beyond the limits of the Typical Section as shown are subject to change by the Engineer to fit embankment requirements actually met in construction.
 The Entire Project is to be cleared and grubbed for the full width of the right of way, and the cost thereof is to be included in the lump sum bid for clearing and grubbing the Entire Project. Notes on the plans indicate the approximate location and character of the clearing and grubbing required. Unless otherwise noted on the plan sheets and list of structures, the inlet ends of all corrugated metal pipe culverts are to be provided with Class B Concrete Headwalls.
 Between Sta. 0 and Sta. 14, where the new work lies upon the present travelled roadway, the Contractor shall at his own expense so prosecute the construction that traffic can readily pass over the roadway. The Detour for the balance of the project shall be over the present road. The Contractor shall maintain, in safe condition and at his own expense, all temporary approaches to and crossings of intersecting roads.
 Except as limited by the Special Provisions, power equipment may be used on this Project.

LIST OF STRUCTURES

Sta.	Description	Remove Structures	Unclassified Excavation		Structural Excavation Cu Yd.		Concrete		Reinforced Steel Lbs.	Corrugated Metal Culvert Pipe Lin. Ft.	Wire Cable Guard Fence Lin. Ft.	Miscellaneous
			Cu Yd.	Common	ROCK	Cu Yd.	Cl. A	Cl. B				
APPROACH SECTION - STA. 0+00 TO STA. 11+14 - Work to be done as F.A.P.E. 240, Const. Div 1												
0+00	Rein. App. each											
1+14	Cross Culv. Inlet Outlet Rem. 31" x 6' x 10' x 10'	C.M.P. Wall	23.4	35.6			1.65			43		
4+14-10+50	Remove Wire Cable Guard Fence	W.C.G.F.	5.6	32.4			1.65			54	400	
6+20-10+00	Cross Culvert, Inlet Ditch	CP										
7+30-10+00	Wire Cable Guard Fence	W.C.G.F.										270
8+25	Cross Culvert, Inlet Ditch	CP	14.0	12.6			1.65			102		
Totals for E 240, Const. Div 1												
			43.0	90.6			4.95			204		670
FED AID PROJ. - E 240C - STA. 11+14 TO STA. 53+50												
12-50	Cross Culvert, Inlet Ditch, 24" x 6'	C.M.P.	20.0	2.7			1.65			66		
13-00	Remove Cur Metal Pipe		5.0	22.4			1.65			78		
16+50	Cross Culvert, Outlet Ditch		38.9	25.0			1.65			90		
17+25	"		2.7	15.7			1.65			90		
20+00	Move Building off R.O.W.	Buildg.										
21+30	Cross Culvert, Outlet Ditch			16.0			1.55			40		
24+35 E	Double 12" x 10" 6" Cur. concrete Box Culverts, 12' x 12' x 25' Span											
30+00	Side Driv. to Approach Lt.			2.9						20		
31+00	Cross Culvert, Inlet & Outlet Ditches		3.3	23.5			1.65			48		
32+50	"		5.9	7.5			1.65			16		
35+25-37+25	Wire Cable Guard Fence	W.C.G.F.										340
36+57	12" x 12" Type III Concrete Box Culvert, Inlet, 10' x 10' x 25'		31.5	254.0	23		189.1	17,494		40		
37+50	Cross Culvert, Inlet & Outlet Ditches			23.0			1.55			40		
38+50	Cross Culvert (60" diam), Inlet & Outlet (No Wall)			10.4						16		
37+50	"			1.3						30		
38+10-49+10	Wire Cable Guard Fence	W.C.G.F.										240
49+10-51+05	Steel Truss & Beam Bridge											5,500 M.F.A.M. Lbrs. Bridge Timber
51+06-52+06	Wire Cable Guard Fence	W.C.G.F.										3,121 Lbrs. Timber Piling
51+00-52+06	Change 12' x 12' to 18' x 18' Bridge											16' Diameter Pipe Piles
53+35	Remove 1/2 Mile Left of Roadway	Bridge	132.2	8.52	51.1		9.33					
49+100	Side Driv. to Road Approach Lt.			1.9						20		
11+14	Project Marker	RP										200
23+50-24+00	Wire Cable Guard Fence	W.C.G.F.										200
23+50-25+53	"	W.C.G.F.										200
49+67	Remove Concrete Wall	Wall										
Totals for E 240C			(In Summary) 1,324	415.62	51.1	25	199.04	13.2	17,494	110	444	1220

* Structural Excavation is estimated to be 80% Common and 20% Rock, each of which is estimated to be 80% Dry and 20% Wet.

SUMMARY OF APPROXIMATE QUANTITIES

No.	Item	Unit	Quantities				
			Roadway Station	E 240C Sta. 0+00	Bridge Sta. 49+10	E 240 Const. Div 1	Totals for Contract
10a	Clearing & Grubbing Entire Project	Lump Sum	1 Item 10a				
11a	Remove Culvert, Building a Bridge						
11b	" " " " " " " "						
11c	" " " " " " " "						
11d	" " " " " " " "						
12a	" " " " " " " "						
13c	Unclassified Excavation	Cu Yd.	1,700			900	1,600
14a	Structural Excavation (Structural)	Cu Yd.	3,181	285.4		3,501.9	2,803.4
14b	Common " "	"	23	10		33	33
14c	Wet Rock " "	"	415.62	283.4	250.2	948.6	1,029.82
14d	Common " "	"			179.2	179.2	179.2
14e	Common " "	"			428.4	428.4	428.4
18a	Station Yard Overhaul	Lbrs.	511				
20	Remove & Crushed P.C. Surfacing	Yds.	250.00		221.5	465	472.5
42a	Untreated Bridge Timber	M.F.A.M.	1,713				217.5
46a	Class II Concrete	Cu Yd.	5,528	275.9	0,288	5,812	5,798
46b	" " " "	"	139.0		276.3	415.3	751.8
46c	" " " "	"	13.2			13.2	18.15
47	Reinforcing Steel	Lbs.	17,484	28850	45870	92204	92204
48	Structural " "	"			153700		153700
53b	18" Corrugated Metal Culvert Pipe	Lin. Ft.	110				110
53c	" " " "	"	414				618
63	Pipe	Cu Yd.			28.7	204	28.7
64	Gravel Runoff Slope Paving (18" thick)	Sq. Yd.			148.38		148.38
72	Wire Cable Guard Fence	Lin. Ft.	1220			670	1890
78	Project Marker	Each	1				1
79	Right of Way Markers	"	16			10	26
81	Class B Concrete Plates	"					1
89	Drive Way Gates	Each			16	2266	5574
95a	Combination Fence	Lin. Ft.	3308				5
95b	Drive Way Gates	Each	5				5
42b	Treated Bridge Timber	M.F.A.M.	5,821				5,821
50a	Treated Timber Piling	Lin. Ft.	330.7				330.7
60c	Metal Pipe Piles	Each	16				16
65d	60" Combination Wire Fence	Lin. Ft.	4452				4452

FENCING REQUIRED

Station	Side	Remove Fence Lin. Ft.	Comb. Fence Lin. Ft.	40" Comb. Fence Lin. Ft.
0+00-11+14	R/L	55	2266	
3+00-4+50	R	150		
5+20	R	35		
10+30-11+14	R	50		2311
26+15-49+10	R			
11+14-13+30	R	215		
11+14-26+50	R/L		2778	
27+25	X	250		
34+30	X	105		
44+10	X	130		
47+75	X	145		
50+100	X	105		
52+25-53+50	R	265	530	
53+05-53+50	R/L			2141
27+00-49+10	L	55		
F.A.P.E. 240 Total		300	2266	
F.A.P.E. 240C "		1300	3308	4452

GATES REQUIRED

Sta.	Side	Driv. Gates No.
25+50	H	1
3+58	L	1
5+42	L	2
6+50	R	2
9+00	"	2
15+50	L	2
18+00	R/L	2
21+70	"	2
27+15	"	2
37+87	"	2
47+74	"	2
52+13	"	2
53+50	"	2
E 240 Total		0
E 240C "		5

RIGHT OF WAY MARKERS REQ.

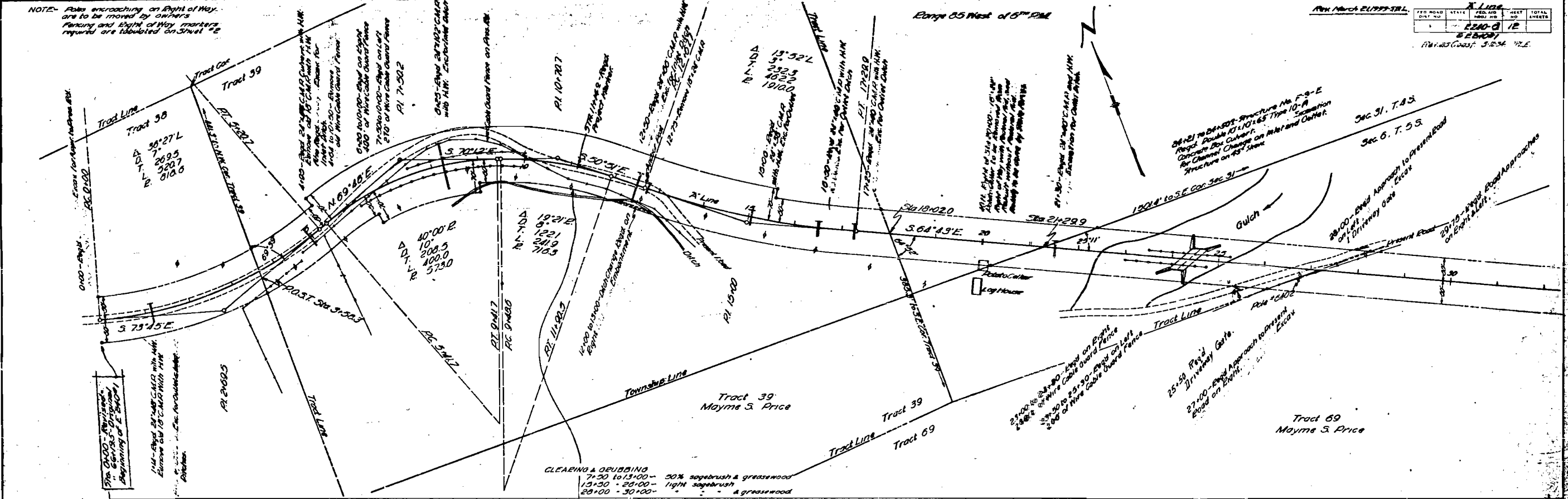
Sta.	Size	No.
0+00	R/L	2
3+58	"	2
5+42	L	2
6+50	R	2
9+00	"	2
15+50	L	2
18+00	R/L	2
21+70	"	2
27+15	"	2
37+87	"	2
47+74	"	2
52+13	"	2
53+50	"	2
E 240 Total		10
E 240C "		16



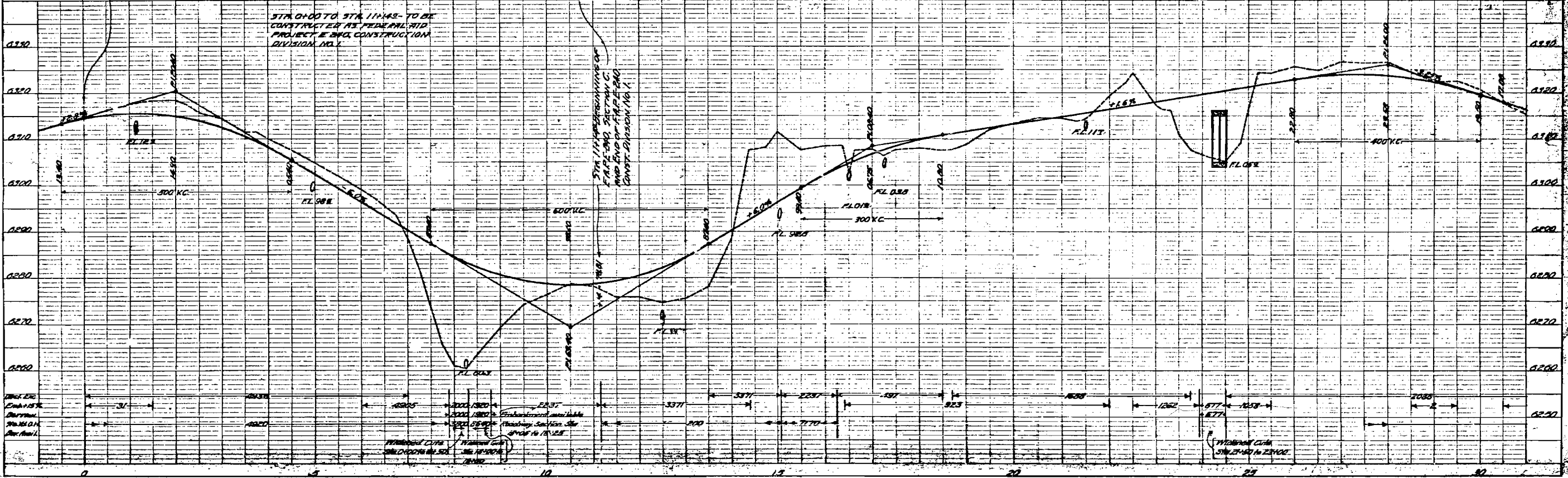
NOTE: Fences encroaching on Right of Way are to be moved by owners. Fencing and Right of Way markers required are indicated on Sheet #2

REV. March 21, 1977-SRL		X-1122	
REV. NO.	DATE	REV. NO.	DATE
1	2-20-77	12	2-20-77
J. L. Latta		J. L. Latta	
Professional Engineer		Professional Engineer	
No. 123456789		No. 123456789	

DATE	DESCRIPTION



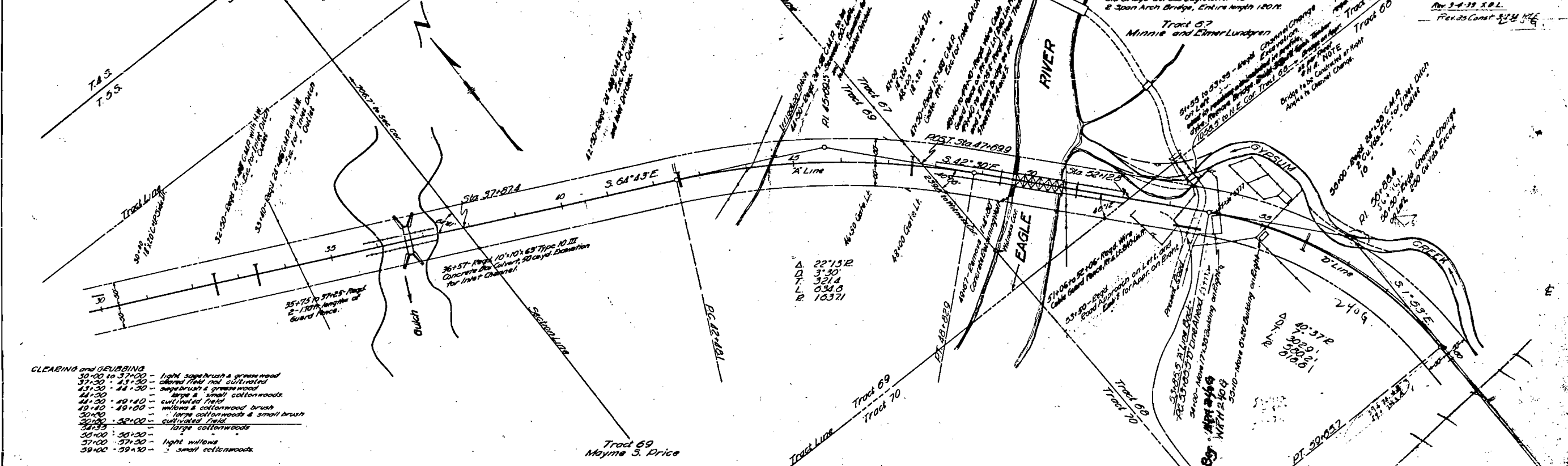
DATE	DESCRIPTION





DATE	
PLAN	
NOTE BOOK	
NO.	

NOTE: Poles encroaching on Right of Way are to be marked by concrete fencing and Right of Way markers required are tabulated on Sheet 22

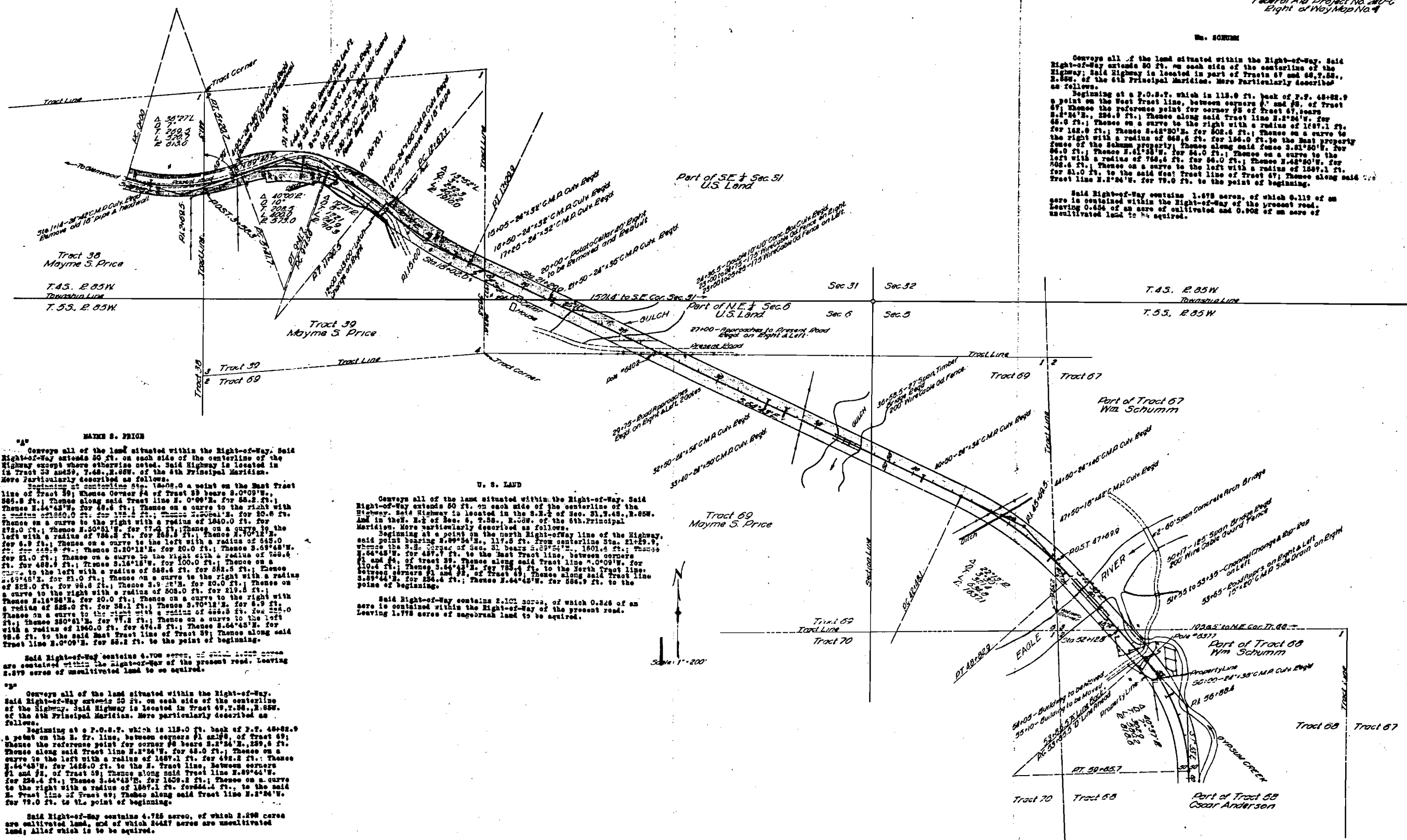


W. SCHUMM

Conveys all of the land situated within the Right-of-Way. Said Right-of-Way extends 50 ft. on each side of the centerline of the Highway. Said Highway is located in part of Tracts 67 and 68, T.55., R.85W., of the 6th Principal Meridian. More particularly described as follows.

Beginning at a P.O.S.T. which is 115.0 ft. back of P.F. 48-82.9 a point on the West Tract line, between corners #1 and #2, of Tract 67; thence the reference point for corner #5 of Tract 67, bears S.2°24'N., 236.1 ft.; thence along said Tract line N.2°24'W. for 48.0 ft.; thence on a curve to the right with a radius of 1687.1 ft. for 128.0 ft.; thence S.41°20'E. for 502.4 ft.; thence on a curve to the right with a radius of 668.6 ft. for 154.0 ft. to the East property fence of the Schumm property; thence along said fence S.31°50'W. for 66.0 ft.; thence N.61°38'W. for 64.0 ft.; thence on a curve to the left with a radius of 768.6 ft. for 66.0 ft.; thence N.42°40'W. for 402.6 ft.; thence on a curve to the left with a radius of 1587.1 ft. for 11.0 ft. to the said West Tract line of Tract 67; thence along said Tract line N.2°24'W. for 79.0 ft. to the point of beginning.

Said Right-of-Way contains 1.678 acres, of which 0.115 of an acre is contained within the Right-of-Way of the present road. Leaving 0.454 of an acre of cultivated and 0.902 of an acre of uncultivated land to be acquired.



Tract 38
Mayme S. Price
T.45. R.85W.
Township Line
T.55. R.85W.

Tract 39
Mayme S. Price

Part of SE 1/4 Sec 31
U.S. Land

Part of NE 1/4 Sec 6
U.S. Land

T.45. R.85W.
Township Line
T.55. R.85W.

Part of Tract 67
Wm. Schumm

Tract 69
Mayme S. Price

Part of Tract 68
Wm. Schumm

Part of Tract 68
Coar Anderson

MAYME S. PRICE

Conveys all of the land situated within the Right-of-Way. Said Right-of-Way extends 50 ft. on each side of the centerline of the Highway except where otherwise noted. Said Highway is located in part of Tracts 38 and 39, T.45., R.85W., of the 6th Principal Meridian. More particularly described as follows.

Beginning at a point on the East Tract line of Tract 38; thence corner #4 of Tract 38 bears S.0°09'W., 285.8 ft.; thence along said Tract line S.0°09'W. for 58.2 ft.; thence S.44°43'W. for 48.8 ft.; thence on a curve to the right with a radius of 1680.0 ft. for 128.0 ft.; thence on a curve to the right with a radius of 1680.0 ft. for 128.0 ft.; thence S.30°51'W. for 47.0 ft.; thence on a curve to the left with a radius of 768.6 ft. for 66.0 ft.; thence on a curve to the left with a radius of 645.0 ft. for 6.9 ft.; thence on a curve to the left with a radius of 645.0 ft. for 20.0 ft.; thence S.69°48'W. for 21.0 ft.; thence on a curve to the right with a radius of 768.6 ft. for 488.0 ft.; thence S.16°15'W. for 100.0 ft.; thence on a curve to the left with a radius of 868.6 ft. for 68.5 ft.; thence S.67°48'W. for 21.0 ft.; thence on a curve to the right with a radius of 828.0 ft. for 98.0 ft.; thence S.9°21'W. for 20.0 ft.; thence on a curve to the right with a radius of 808.0 ft. for 219.0 ft.; thence S.16°34'N. for 10.0 ft.; thence on a curve to the right with a radius of 828.0 ft. for 38.1 ft.; thence S.70°12'W. for 8.9 ft.; thence on a curve to the right with a radius of 868.6 ft. for 228.0 ft.; thence S.50°21'W. for 77.2 ft.; thence on a curve to the left with a radius of 1680.0 ft. for 128.0 ft.; thence S.64°43'W. for 98.8 ft. to the said East Tract line of Tract 39; thence along said Tract line S.0°09'W. for 58.2 ft. to the point of beginning.

Said Right-of-Way contains 4.708 acres, of which 0.122 acres are contained within the Right-of-Way of the present road. Leaving 2.875 acres of uncultivated land to be acquired.

U. S. LAND

Conveys all of the land situated within the Right-of-Way. Said Right-of-Way extends 50 ft. on each side of the centerline of the Highway. Said Highway is located in the S.E. 1/4 of Sec. 31, T.45., R.85W., of the 6th Principal Meridian. More particularly described as follows.

Beginning at a point on the north Right-of-Way line of the Highway, said point bearing S.89°54'E., 117.8 ft. from centerline Sta. 21+29.9, whence the S.E. corner of Sec. 31 bears S.83°24'W., 1601.4 ft.; thence N.64°43'W. for 487.7 ft. to the East Tract line, between corners #1 and #2, of Tract 39. Thence along said Tract line S.0°09'W. for 110.4 ft.; thence S.44°43'W. for 78.4 ft. to the North Tract line, between corners #1 and #2, of Tract 39; thence along said Tract line S.89°44'W. for 236.4 ft.; thence N.64°43'W. for 586.9 ft. to the point of beginning.

Said Right-of-Way contains 2.101 acres, of which 0.326 of an acre is contained within the Right-of-Way of the present road. Leaving 1.775 acres of sagebrush land to be acquired.

W. SCHUMM

Conveys all of the land situated within the Right-of-Way. Said Right-of-Way extends 50 ft. on each side of the centerline of the Highway. Said Highway is located in part of Tracts 67 and 68, T.55., R.85W., of the 6th Principal Meridian. More particularly described as follows.

Beginning at a P.O.S.T. which is 115.0 ft. back of P.F. 48-82.9 a point on the E. Tr. line, between corners #1 and #2, of Tract 67; thence the reference point for corner #5 bears S.2°24'N., 236.1 ft.; thence along said Tract line N.2°24'W. for 48.0 ft.; thence on a curve to the right with a radius of 1687.1 ft. for 128.0 ft.; thence S.41°20'E. for 502.4 ft. to the E. Tract line, between corners #1 and #2, of Tract 67; thence along said Tract line S.89°44'W. for 236.4 ft.; thence S.44°43'W. for 1639.2 ft.; thence on a curve to the right with a radius of 1687.1 ft. for 664.4 ft.; to the said E. Tract line of Tract 67; thence along said Tract line N.2°24'W. for 79.0 ft. to the point of beginning.

Said Right-of-Way contains 4.725 acres, of which 2.878 acres are cultivated land, and of which 2.447 acres are uncultivated land; all of which is to be acquired.

NOTE: SHADED PORTION OF MAP IS THAT WHICH IS TO BE ACQUIRED.