

COLORADO STATE HIGHWAY DEPARTMENT

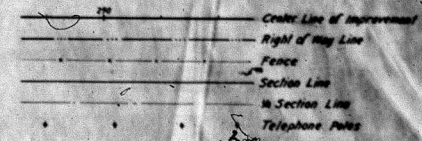
PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. 68-B STATE HIGHWAY NO. 15 SAGUACHE COUNTY

INDEX OF SHEETS

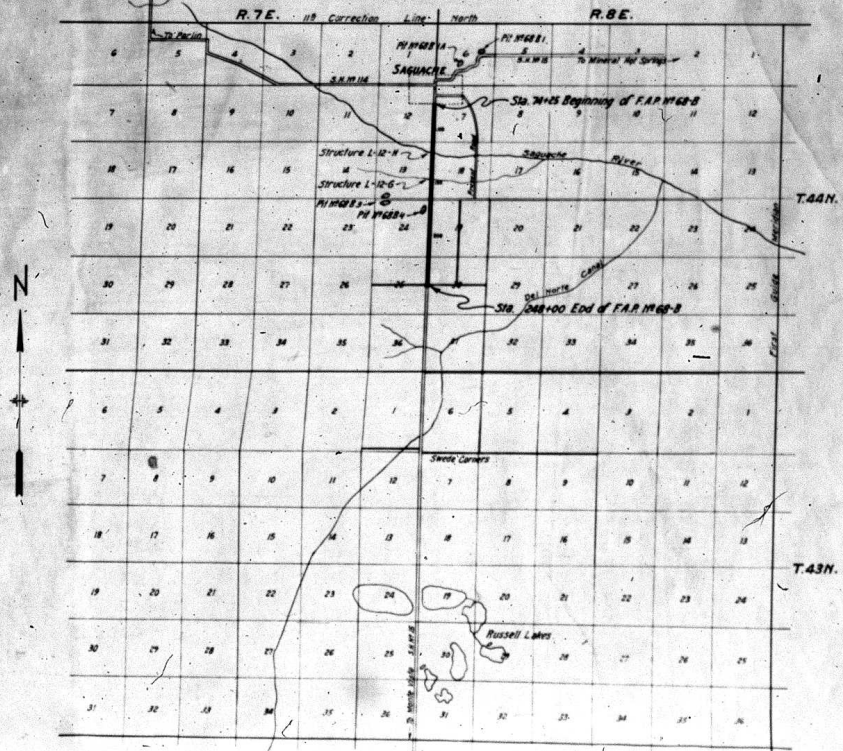
1. Title Sheet and Sketch Map.
2. Typical Cross Section of Improvement and Summary of Quantities.
3. Tabulation of Structures.
4. Bridge Plans Sta. 121+ to 147+.
5. Standard Wire Cable Guard Fence.
6. Special Standard Wire Fence and Marker Posts.
7. Standard Culvert Headwalls.
8. Special Standard Concrete Box Culverts.
9. Standard Concrete Box Culverts.
10. Plan and Profile Sheets.
- 11-14 Cross Section Sheets.

M-20-E Revised
M-24-E
M-102-D
M-104-B Revised
M-104-B

CONVENTIONAL SIGNS



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 17,375.0 FEET = 3.290 MILES
NET LENGTH OF PROJECT



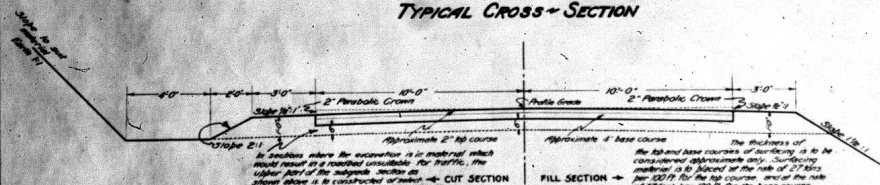
Scale 1" = 1 Mile

RECOMMENDED FOR APPROVAL: [Signature]
APPROVED: [Signature]
RECOMMENDED FOR APPROVAL: [Signature]
APPROVED: [Signature]
RECOMMENDED FOR APPROVAL: [Signature]
APPROVED: [Signature]
DIRECTOR, STATE HIGHWAY DEPARTMENT

TYPICAL CROSS SECTION OF IMPROVEMENT AND SUMMARY OF QUANTITIES

NO.	ITEM	UNIT	QTY.	UNIT PRICE	TOTAL
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5

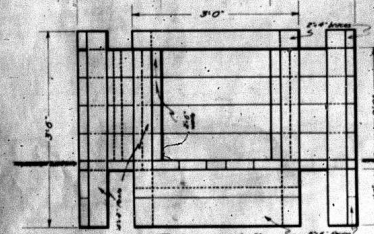
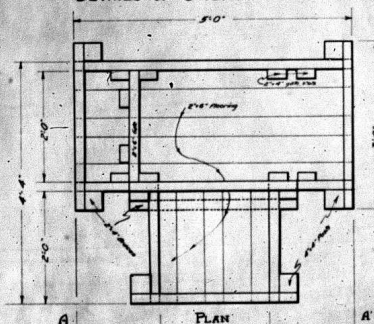
TYPICAL CROSS-SECTION



In location where the excavation is in material which would result in a roadbed unsuitable for traffic, the upper half of the roadway section as shown above is to be constructed of select cut section of roadbed to be so constructed shall not exceed 20' depth. Subgrade material is to be placed and paid for as unclassified material. It is estimated the 200 cu yd of Subgrade material for building subgrade between the following stations will be approx. 100-120 to 120-140, is 100-120 to 120-140.

The thickness of the 1st and base courses of surfacing is to be considered approximately only. Surfacing material is to be placed at the rate of 27 tons per 100 ft. for the base course, and at the rate of 27 tons per 100 ft. for the base course.

DETAILS OF DIVERSION - BOX



ELEVATION A-A

ITEM	QTY.	UNIT PRICE	TOTAL
1. 2'-0\"/>			

SUMMARY OF APPROXIMATE QUANTITIES

NO.	ITEM	UNIT	QTY.	UNIT PRICE	TOTAL
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9
10	10	10	10	10	10
11	11	11	11	11	11
12	12	12	12	12	12
13	13	13	13	13	13
14	14	14	14	14	14
15	15	15	15	15	15
16	16	16	16	16	16
17	17	17	17	17	17
18	18	18	18	18	18
19	19	19	19	19	19
20	20	20	20	20	20
21	21	21	21	21	21
22	22	22	22	22	22
23	23	23	23	23	23
24	24	24	24	24	24
25	25	25	25	25	25
26	26	26	26	26	26
27	27	27	27	27	27
28	28	28	28	28	28
29	29	29	29	29	29
30	30	30	30	30	30
31	31	31	31	31	31
32	32	32	32	32	32
33	33	33	33	33	33
34	34	34	34	34	34
35	35	35	35	35	35
36	36	36	36	36	36
37	37	37	37	37	37
38	38	38	38	38	38
39	39	39	39	39	39
40	40	40	40	40	40
41	41	41	41	41	41
42	42	42	42	42	42
43	43	43	43	43	43
44	44	44	44	44	44
45	45	45	45	45	45
46	46	46	46	46	46
47	47	47	47	47	47
48	48	48	48	48	48
49	49	49	49	49	49
50	50	50	50	50	50
51	51	51	51	51	51
52	52	52	52	52	52
53	53	53	53	53	53
54	54	54	54	54	54
55	55	55	55	55	55
56	56	56	56	56	56
57	57	57	57	57	57
58	58	58	58	58	58
59	59	59	59	59	59
60	60	60	60	60	60
61	61	61	61	61	61
62	62	62	62	62	62
63	63	63	63	63	63
64	64	64	64	64	64
65	65	65	65	65	65
66	66	66	66	66	66
67	67	67	67	67	67
68	68	68	68	68	68
69	69	69	69	69	69
70	70	70	70	70	70
71	71	71	71	71	71
72	72	72	72	72	72
73	73	73	73	73	73
74	74	74	74	74	74
75	75	75	75	75	75
76	76	76	76	76	76
77	77	77	77	77	77
78	78	78	78	78	78
79	79	79	79	79	79
80	80	80	80	80	80
81	81	81	81	81	81
82	82	82	82	82	82
83	83	83	83	83	83
84	84	84	84	84	84
85	85	85	85	85	85
86	86	86	86	86	86
87	87	87	87	87	87
88	88	88	88	88	88
89	89	89	89	89	89
90	90	90	90	90	90
91	91	91	91	91	91
92	92	92	92	92	92
93	93	93	93	93	93
94	94	94	94	94	94
95	95	95	95	95	95
96	96	96	96	96	96
97	97	97	97	97	97
98	98	98	98	98	98
99	99	99	99	99	99
100	100	100	100	100	100
101	101	101	101	101	101
102	102	102	102	102	102
103	103	103	103	103	103
104	104	104	104	104	104
105	105	105	105	105	105
106	106	106	106	106	106
107	107	107	107	107	107
108	108	108	108	108	108
109	109	109	109	109	109
110	110	110	110	110	110
111	111	111	111	111	111
112	112	112	112	112	112
113	113	113	113	113	113
114	114	114	114	114	114
115	115	115	115	115	115
116	116	116	116	116	116
117	117	117	117	117	117
118	118	118	118	118	118
119	119	119	119	119	119
120	120	120	120	120	120
121	121	121	121	121	121
122	122	122	122	122	122
123	123	123	123	123	123
124	124	124	124	124	124
125	125	125	125	125	125
126	126	126	126	126	126
127	127	127	127	127	127
128	128	128	128	128	128
129	129	129	129	129	129
130	130	130	130	130	130
131	131	131	131	131	131
132	132	132	132	132	132
133	133	133	133	133	133
134	134	134	134	134	134
135	135	135	135	135	135
136	136	136	136	136	136
137	137	137	137	137	137
138	138	138	138	138	138
139	139	139	139	139	139
140	140	140	140	140	140
141	141	141	141	141	141
142	142	142	142	142	142
143	143	143	143	143	143
144	144	144	144	144	144
145	145	145	145	145	145
146	146	146	146	146	146
147	147	147	147	147	147
148	148	148	148	148	148
149	149	149	149	149	149
150	150	150	150	150	150
151	151	151	151	151	151
152	152	152	152	152	152
153	153	153	153	153	153
154	154	154	154	154	154
155	155	155	155	155	155
156	156	156	156	156	156
157	157	157	157	157	157
158	158	158	158	158	158
159	159	159	159	159	159
160	160	160	160	160	160
161	161	161	161	161	161
162	162	162	162	162	162
163	163	163	163	163	163
164	164	164	164	164	164
165	165	165	165	165	165
166	166	166	166	166	166
167	167	167	167	167	167
168	168	168	168	168	168
169	169	169	169	169	169
170	170	170	170	170	170
171	171	171	171	171	171
172	172	172	172	172	172
173	173	173	173	173	173
174	174	174	174	174	174
175	175	175	175	175	175
176	176	176	176	176	176
177	177	177	177	177	177
178	178	178	178	178	178
179	179	179	179	179	179
180	180	180	180	180	180
181	181	181	181	181	181
182	182	182	182	182	182
183	183	183	183	183	183
184	184	184	184	184	184
185	185	185	185	185	185
186	186	186	186	186	186
187	187	187	187	187	187
188	188	188	188	188	188
189	189	189	189	189	189
190	190	190	190	190	190
191	191	191	191	191	191
192	192	192	192	192	192
193	193	193	193		

TABULATION OF STRUCTURES

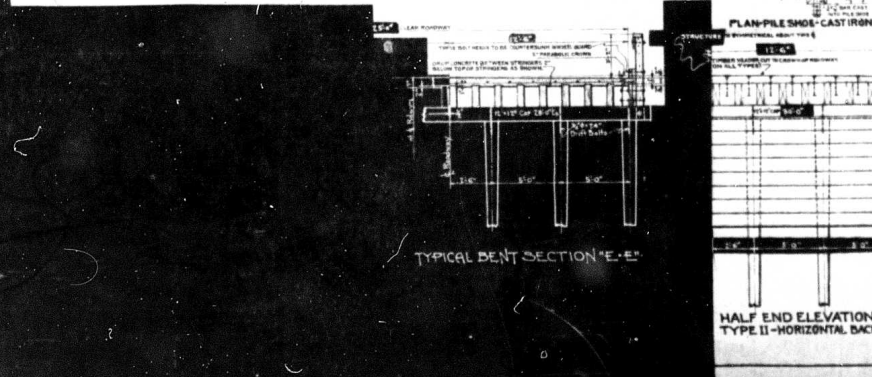
[illegible]

* Additional per quantiles included on Profile and excavation from channel change. Sta 166 + 0 to 166 + 100.

* To be used in Road approach, Sta 165 +

* Structural excavation is estimated to be 35% common & 5% rock, each of which is to be 60% dry and 40% wet

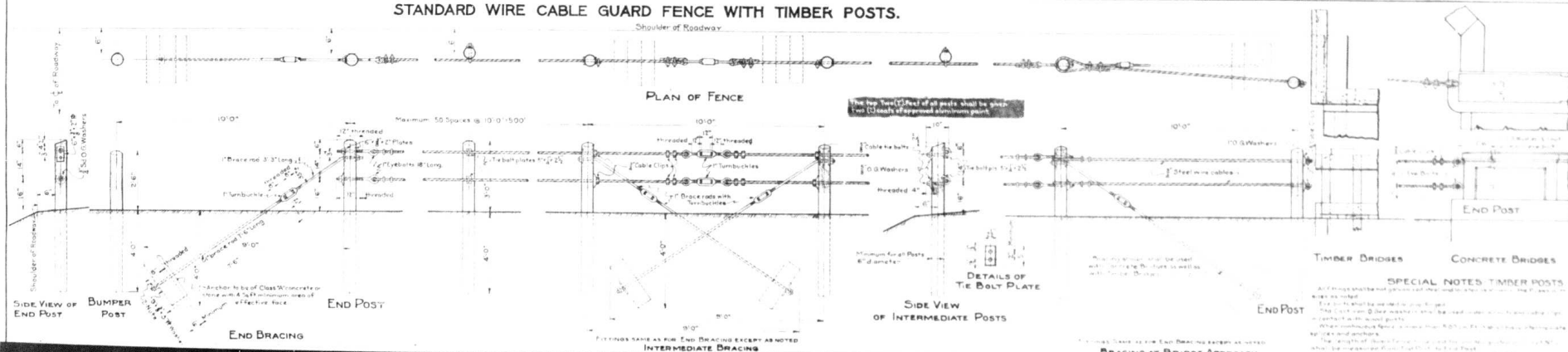
1	2	3	4	5
1	2	3	4	5

[illegible]

ONE BENT			
UNTREATED TIMBER			
MEMBER POSTS	2 Pcs	4' x 6' x 6'-0"	24 Sd/Ft
TOTAL UNTREATED LINGER			24 Sd/Ft
TREATED TIMBER			
MEMBER SPICES	4 Pcs	6'-0" x 4'-0" x 6'-0"	18.8 Sd/Ft
CAPS	4 Pcs	17'-11" x 17'-11" x 17'-11"	3.90 Sd/Ft
JOINT BRACKES	4 Pcs	3'-11" x 3'-11" x 3'-11"	4.80 Sd/Ft
TOTAL TREATED LINGER	8 Pcs		27.50 Sd/Ft
PLING TREATED	6 Pcs	15'-0" x 2'-0" x 6'-0"	12.0 Sd/Ft

[illegible]

Shoulder of Roadway



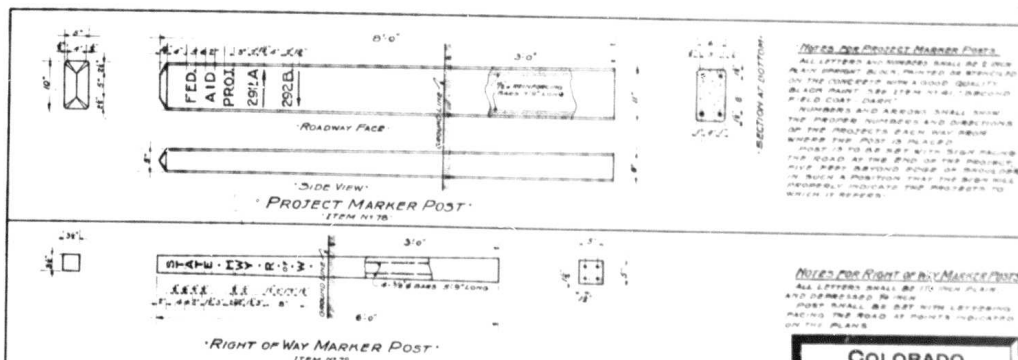
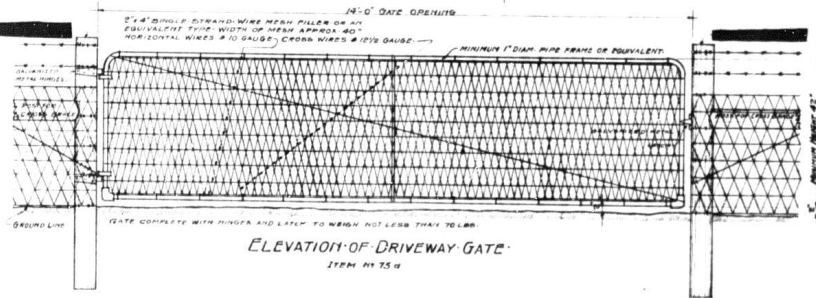
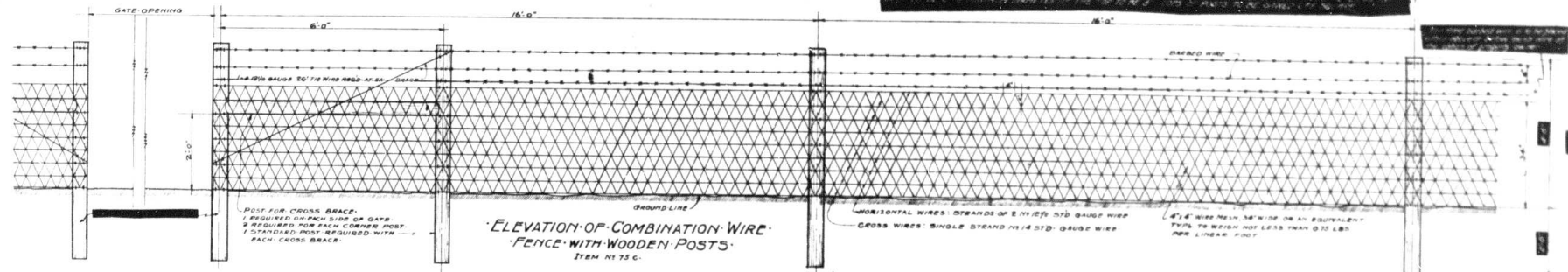
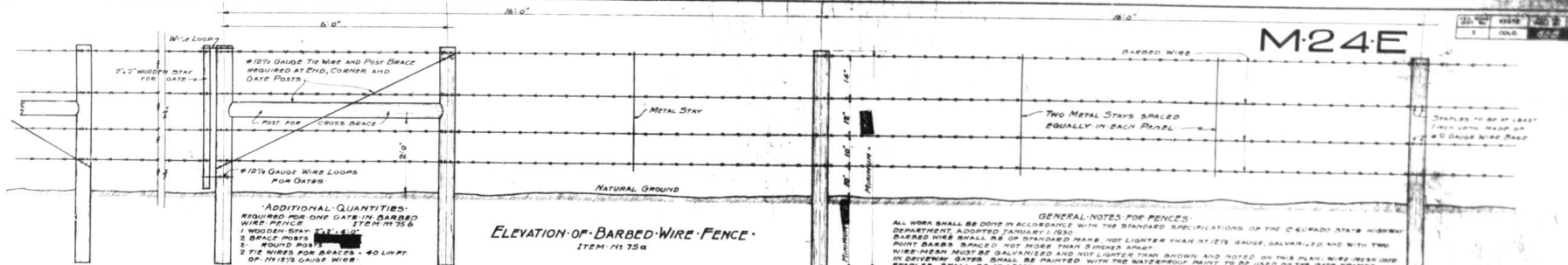
Always to shall be done in accordance with Tag Standards Specifications of The Colorado State Highway Department adopted Jan. 1960.

Peaks shall be set and topped in plumb and firm, to the lines and grades directed by the Engineer.

COLORADO
STATE HIGHWAY DEPARTMENT

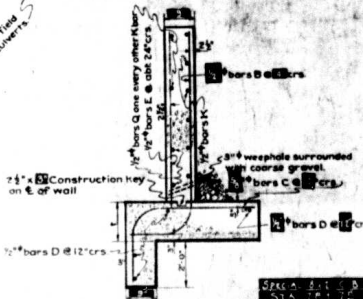
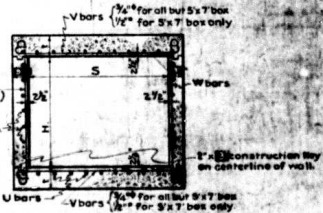
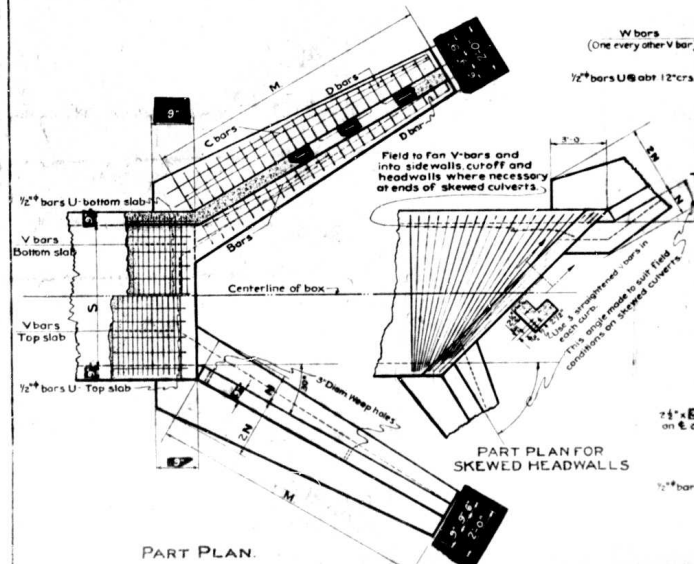
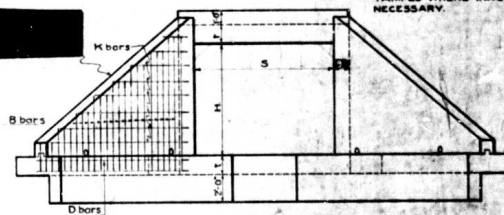
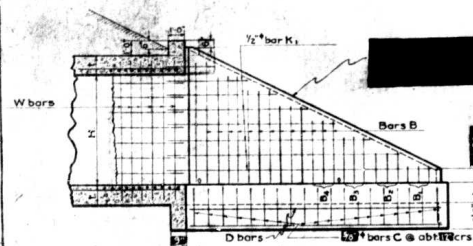
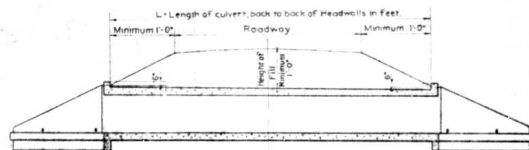
STANDARD GUARD FENCE

Designed by P.S.B.	Approved by: <i>[Signature]</i>
Made by: E.E.B.	Bridge Engineer
Checked by: E.E.N.	Date: 9 th Nov 78



COLORADO
STATE HIGHWAY DEPARTMENT
STANDARD
WIRE FENCES
AND
MARKER POSTS

Designed by _____
Made by _____
Checked by P.S.B. _____
Date NOV 10 1930



GENERAL NOTES

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE COLORADO STATE HIGHWAY DEPARTMENT, ADOPTED JAN. 1ST 1930.

ALL CURB AND GUTTER SHALL BE CONCRETE.

ALL WALLS SHALL HAVE FORMS ON BOTH SIDES.

ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED BEFORE FIRST CONCRETE IS POURED.

ALL BARS SHALL BE ROUND OR SQUARE, PLAIN OR DEFORMED, AS SHOWN.

MINIMUM DISTANCE CENTERLINE OF ROAD TO EDGE OF CONCRETE TO BE 2' 0".

LONG BARS WHEN SPICED SHALL BE LAPPED 3 FEET.

FOR CURVERTS REQUIRED AND GOVERNING DIMENSIONS SEE SHEET 2.

ALL REINFORCING BARS SHALL BE TAGGED WITH THE STATION NUMBER AND LETTER DESIGNATION.

THIS DESIGN NOT TO BE USED WHEN HEIGHT OF FILL OVER BOX EXCEEDS THAT TABULATED AS ALLOWABLE.

FOUR FEET FOOTINGS SHALL BE CONSTRUCTED WITH FLOOR OF BOX.

POUR WINGS MONOLITHICALLY WITH SIDES OF BOX.

THE USE OF ADDITIONAL CONSTRUCTION JOINTS UNDESIRABLE. SHOULD FIELD CONSTRUCTION JOINTS BE NECESSARY THEY SHOULD BE MADE ON VERTICAL PLANE PARALLEL TO CENTERLINE OF ROADWAY AND SHALL BE A 3" X 4" KEY.

SUPPORTING SOILS FOR ALL CURVERTS MUST BE COMPOSED OF FIRM AND UNIFORM SUBSTRUM.

ALL BACKFILLING TO AND OVER CURVERTS SHALL BE LAID IN LAYERS NOT EXCEEDING SIX INCHES IN DEPTH AND EACH LAYER SHALL BE ROLLED OR HAND-TAMPED WHERE INACCESSIBLE TO ROLLER. ALSO MOISTENED WHEN NECESSARY.

STANDARD M-104-B

TABLE FOR TABLE B BY WELDING IRON

NO. 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

NO. 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

BAR LIST

USE DIAGRAM	MAN	SEE NUMBER	DIAMETER P	TOTAL LENGTH
All boxes but 5x7	V	36	14.0	3.0
5x7 box only	V	37	14.0	3.0
All sizes	W	38	14.0	3.0
All sizes	W	39	14.0	3.0
All sizes	W	40	14.0	3.0
All sizes	W	41	14.0	3.0
All sizes	W	42	14.0	3.0
All sizes	W	43	14.0	3.0
All sizes	W	44	14.0	3.0
All sizes	W	45	14.0	3.0
All sizes	W	46	14.0	3.0
All sizes	W	47	14.0	3.0
All sizes	W	48	14.0	3.0
All sizes	W	49	14.0	3.0
All sizes	W	50	14.0	3.0
All sizes	W	51	14.0	3.0
All sizes	W	52	14.0	3.0
All sizes	W	53	14.0	3.0
All sizes	W	54	14.0	3.0
All sizes	W	55	14.0	3.0
All sizes	W	56	14.0	3.0
All sizes	W	57	14.0	3.0
All sizes	W	58	14.0	3.0
All sizes	W	59	14.0	3.0
All sizes	W	60	14.0	3.0
All sizes	W	61	14.0	3.0
All sizes	W	62	14.0	3.0
All sizes	W	63	14.0	3.0
All sizes	W	64	14.0	3.0
All sizes	W	65	14.0	3.0
All sizes	W	66	14.0	3.0
All sizes	W	67	14.0	3.0
All sizes	W	68	14.0	3.0
All sizes	W	69	14.0	3.0
All sizes	W	70	14.0	3.0
All sizes	W	71	14.0	3.0
All sizes	W	72	14.0	3.0
All sizes	W	73	14.0	3.0
All sizes	W	74	14.0	3.0
All sizes	W	75	14.0	3.0
All sizes	W	76	14.0	3.0
All sizes	W	77	14.0	3.0
All sizes	W	78	14.0	3.0
All sizes	W	79	14.0	3.0
All sizes	W	80	14.0	3.0
All sizes	W	81	14.0	3.0
All sizes	W	82	14.0	3.0
All sizes	W	83	14.0	3.0
All sizes	W	84	14.0	3.0
All sizes	W	85	14.0	3.0
All sizes	W	86	14.0	3.0
All sizes	W	87	14.0	3.0
All sizes	W	88	14.0	3.0
All sizes	W	89	14.0	3.0
All sizes	W	90	14.0	3.0
All sizes	W	91	14.0	3.0
All sizes	W	92	14.0	3.0
All sizes	W	93	14.0	3.0
All sizes	W	94	14.0	3.0
All sizes	W	95	14.0	3.0
All sizes	W	96	14.0	3.0
All sizes	W	97	14.0	3.0
All sizes	W	98	14.0	3.0
All sizes	W	99	14.0	3.0
All sizes	W	100	14.0	3.0

BENDING DIAGRAM

All dimensions in ft. & in. of bar

2R

P

2R

P

2R

P

2R

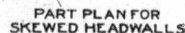
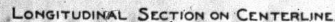
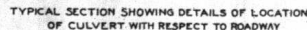
P

2R

P

2R

[illegible]



GENERAL NOTES

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE COLORADO STATE HIGHWAY DEPARTMENT, ADOPTED/JAN 1ST 1930

ALL CONCRETE SHALL BE 3000 PSI

ALL WALLS SHALL HAVE FORMS ON BOTH SIDES

ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED BEFORE FRESH CONCRETE IS PLACED

ALL BARS SHALL BE ROUND OR SQUARE, PLAIN OR DEFORMED, AS SHOWN. MINIMUM DISTANCE CENTERLINE OF BAR TO EDGE OF CONCRETE TO BE 2"X.

ALL BARS WHERE SPICES ARE SHOWN SHALL BE LAPPED WITH 45° REINFORCING FOR CURLETS REQUIRED AND GOVERNING DIMENSIONS SEE SHEET 2

ALL REINFORCING BARS SHALL BE TAGGED WITH THE STATION NUMBER AND EXTENSION

THIS DESIGN NOT TO BE USED WHEN HEIGHT OF FILL OVER BOX EXCEEDS THE TABULATED AS ALLOWABLE.

FOUR WING FOOTINGS MONOLITHICALLY WITH FLOOR OF BOX

FOUR WINGS MONOLITHICALLY WITH SIDE OF BOX

THE USE OF ADDITIONAL CONSTRUCTION JOINTS UNDESIRABLE. SHOULD FIELD CONDITIONS REQUIRE, CONSTRUCTION JOINTS MAY BE MADE ON A VERTICAL PLANE PARALLEL TO CENTERLINE OF BOX

SUPPORTING SOILS FOR ALL CURLETS MUST BE COMPOSED OF FIRM AND UNIFORM MATERIAL THROUGHOUT

ALL CURLETS SHALL BE 18" HIGH

ALL CURLETS SHALL BE LAID IN LAYERS NOT EXCEEDING SIX INCHES IN DEPTH AND EACH LAYER SHALL BE ROLLED OR HAND-TAMPED WHERE INACCESSIBLE TO ROLLER ALSO MOISTENED WHEN NECESSARY

PER. NAME	STATUS	AGE	SEX
-----------	--------	-----	-----

ORIGINAL

Use Dimension	Min	Size	Number	Overhang	TOTAL LENGTH	BENDING DIAGRAM
				P		All dimensions are to 1/8 of inch
All boxes but 5"x7"	V	1/2"	4	2 1/4" ± 0.01	5 1/4" ± 0.01	
5"x7 box only	V	1/2"	4	2 1/4" ± 0.01	5 1/4" ± 0.01	
All sizes	W	1/2"	4	2 1/4" ± 0.01	5 1/4" ± 0.01	
H=5	K1	1/2"	4	2 1/4" ± 0.01	5 1/4" ± 0.01	
H=6	K2	1/2"	4	2 1/4" ± 0.01	6 1/4" ± 0.01	
H=7	K3	1/2"	4	2 1/4" ± 0.01	7 1/4" ± 0.01	
H=8	K4	1/2"	4	2 1/4" ± 0.01	8 1/4" ± 0.01	
H=9	K5	1/2"	4	2 1/4" ± 0.01	9 1/4" ± 0.01	
H=10	K6	1/2"	4	2 1/4" ± 0.01	10 1/4" ± 0.01	
H=11	K7	1/2"	4	2 1/4" ± 0.01	11 1/4" ± 0.01	
H=12	K8	1/2"	4	2 1/4" ± 0.01	12 1/4" ± 0.01	
H=13	K9	1/2"	4	2 1/4" ± 0.01	13 1/4" ± 0.01	
H=14	K10	1/2"	4	2 1/4" ± 0.01	14 1/4" ± 0.01	
H=15	K11	1/2"	4	2 1/4" ± 0.01	15 1/4" ± 0.01	
H=16	K12	1/2"	4	2 1/4" ± 0.01	16 1/4" ± 0.01	
H=17	K13	1/2"	4	2 1/4" ± 0.01	17 1/4" ± 0.01	
H=18	K14	1/2"	4	2 1/4" ± 0.01	18 1/4" ± 0.01	
H=19	K15	1/2"	4	2 1/4" ± 0.01	19 1/4" ± 0.01	
H=20	K16	1/2"	4	2 1/4" ± 0.01	20 1/4" ± 0.01	
H=21	K17	1/2"	4	2 1/4" ± 0.01	21 1/4" ± 0.01	
H=22	K18	1/2"	4	2 1/4" ± 0.01	22 1/4" ± 0.01	
H=23	K19	1/2"	4	2 1/4" ± 0.01	23 1/4" ± 0.01	
H=24	K20	1/2"	4	2 1/4" ± 0.01	24 1/4" ± 0.01	
H=25	K21	1/2"	4	2 1/4" ± 0.01	25 1/4" ± 0.01	
H=26	K22	1/2"	4	2 1/4" ± 0.01	26 1/4" ± 0.01	
H=27	K23	1/2"	4	2 1/4" ± 0.01	27 1/4" ± 0.01	
H=28	K24	1/2"	4	2 1/4" ± 0.01	28 1/4" ± 0.01	
H=29	K25	1/2"	4	2 1/4" ± 0.01	29 1/4" ± 0.01	
H=30	K26	1/2"	4	2 1/4" ± 0.01	30 1/4" ± 0.01	
H=31	K27	1/2"	4	2 1/4" ± 0.01	31 1/4" ± 0.01	
H=32	K28	1/2"	4	2 1/4" ± 0.01	32 1/4" ± 0.01	
H=33	K29	1/2"	4	2 1/4" ± 0.01	33 1/4" ± 0.01	
H=34	K30	1/2"	4	2 1/4" ± 0.01	34 1/4" ± 0.01	
H=35	K31	1/2"	4	2 1/4" ± 0.01	35 1/4" ± 0.01	
H=36	K32	1/2"	4	2 1/4" ± 0.01	36 1/4" ± 0.01	
H=37	K33	1/2"	4	2 1/4" ± 0.01	37 1/4" ± 0.01	
H=38	K34	1/2"	4	2 1/4" ± 0.01	38 1/4" ± 0.01	
H=39	K35	1/2"	4	2 1/4" ± 0.01	39 1/4" ± 0.01	
H=40	K36	1/2"	4	2 1/4" ± 0.01	40 1/4" ± 0.01	
H=41	K37	1/2"	4	2 1/4" ± 0.01	41 1/4" ± 0.01	
H=42	K38	1/2"	4	2 1/4" ± 0.01	42 1/4" ± 0.01	
H=43	K39	1/2"	4	2 1/4" ± 0.01	43 1/4" ± 0.01	
H=44	K40	1/2"	4	2 1/4" ± 0.01	44 1/4" ± 0.01	
H=45	K41	1/2"	4	2 1/4" ± 0.01	45 1/4" ± 0.01	
H=46	K42	1/2"	4	2 1/4" ± 0.01	46 1/4" ± 0.01	
H=47	K43	1/2"	4	2 1/4" ± 0.01	47 1/4" ± 0.01	
H=48	K44	1/2"	4	2 1/4" ± 0.01	48 1/4" ± 0.01	
H=49	K45	1/2"	4	2 1/4" ± 0.01	49 1/4" ± 0.01	
H=50	K46	1/2"	4	2 1/4" ± 0.01	50 1/4" ± 0.01	
H=51	K47	1/2"	4	2 1/4" ± 0.01	51 1/4" ± 0.01	
H=52	K48	1/2"	4	2 1/4" ± 0.01	52 1/4" ± 0.01	
H=53	K49	1/2"	4	2 1/4" ± 0.01	53 1/4" ± 0.01	
H=54	K50	1/2"	4	2 1/4" ± 0.01	54 1/4" ± 0.01	
H=55	K5					

STEEL QUANTITIES GIVEN BELOW INCLUDE ALLOWANCE FOR OVERRUN OF 1%.

HEIGHT OF FALL ALLOWED	TYPE	SPRINK- LER S	HEIGHT H	THICKNESS OF SLAB		SPACING OF BARS		SIZE OF BARS		NUMBER OF USERS	LENGTH OF SPAN	DIRECTION	QUANTITIES FOR ONE LINEAL FOOT OF CONCRETE STEEL		QUANTITIES FOR TWO HEADLANDS	
				CONCRETE	STEEL	CONCRETE	STEEL	CONCRETE	STEEL				CONCRETE	STEEL		
1'-6"			5'-0"	7'-0"	10'-4"	4'-0"	5'-0"	16-18"	1'-11"	9,500	79	50	135	1,335		
			4'-0"	11'-4"	3'-0"	5'-0"	2-4	10-12"	7'-8"	1,000	100	135	1,335			
7'-0"	8-I	8'-0"	5'-0"	11'-4"	3'-0"	5'-0"	2-4	10-12"	7'-8"	1,000	100	135	1,335			
			4'-0"	15'-4"	2'-0"	5'-0"	2-4	14-16"	7'-2"	1,124	104	135	1,335			
			3'-0"	19'-4"	2'-0"	5'-0"	2-4	18-20"	6'-6"	1,248	109	135	1,335			
8'-6"	8-II	8'-0"	4'-0"	15'-4"	2'-0"	5'-0"	2-4	14-16"	7'-2"	1,124	104	135	1,335			
			3'-0"	19'-4"	2'-0"	5'-0"	2-4	18-20"	6'-6"	1,248	109	135	1,335			
10'-6"	8-III	8'-0"	3'-0"	19'-4"	4'-8"	5'-0"	2-4	18-20"	6'-6"	1,248	109	135	1,335			
			2'-0"	23'-4"	4'-8"	5'-0"	2-4	22-24"	6'-2"	1,370	120	135	1,335			
			1'-0"	27'-4"	4'-8"	5'-0"	2-4	26-28"	5'-8"	1,492	125	135	1,335			
14'-0"	10-I	10'-0"	4'-0"	13'-4"	5'-0"	5'-0"	2-4	10-12"	7'-8"	1,000	100	135	1,335			
			3'-0"	17'-4"	5'-0"	5'-0"	2-4	14-16"	7'-2"	1,124	104	135	1,335			
6'-0"	10-II	10'-0"	4'-0"	13'-4"	5'-0"	5'-0"	2-4	10-12"	7'-8"	1,000	100	135	1,335			
			3'-0"	17'-4"	5'-0"	5'-0"	2-4	14-16"	7'-2"	1,124	104	135	1,335			
9'-0"	10-III	10'-0"	4'-0"	13'-4"	5'-0"	5'-0"	2-4	10-12"	7'-8"	1,000	100	135	1,335			
			3'-0"	17'-4"	5'-0"	5'-0"	2-4	14-16"	7'-2"	1,124	104	135	1,335			
12'-0"	10-IV	10'-0"	4'-0"	13'-4"	5'-0"	5'-0"	2-4	10-12"	7'-8"	1,000	100	135	1,335			
			3'-0"	17'-4"	5'-0"	5'-0"	2-4	14-16"	7'-2"	1,124	104	135	1,335			

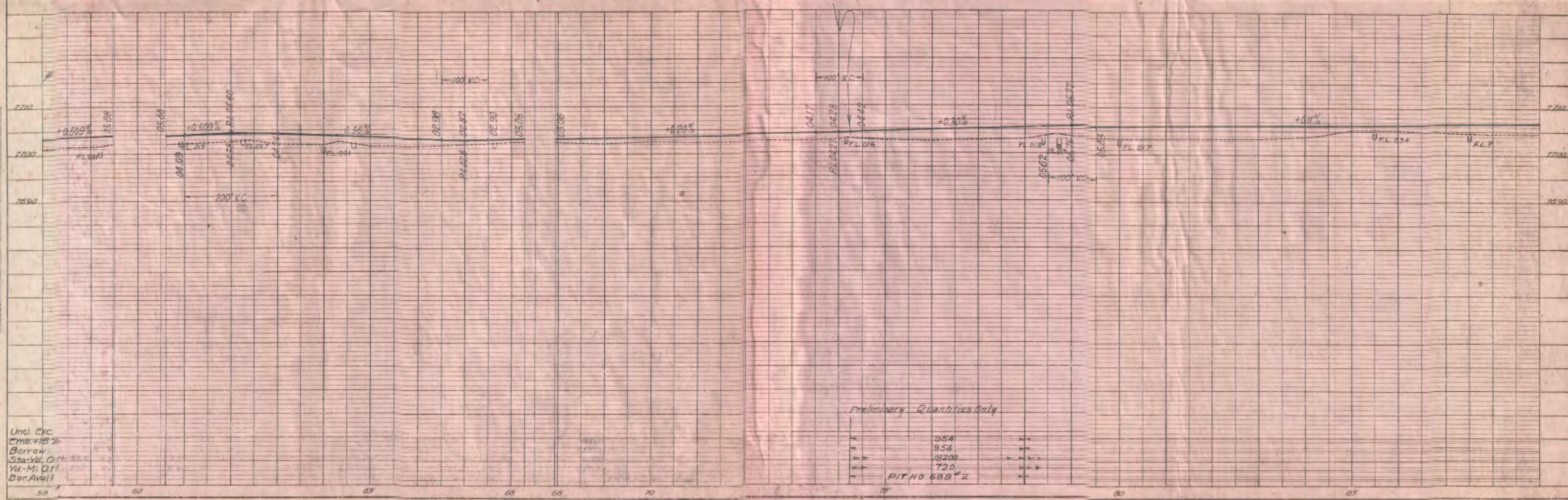
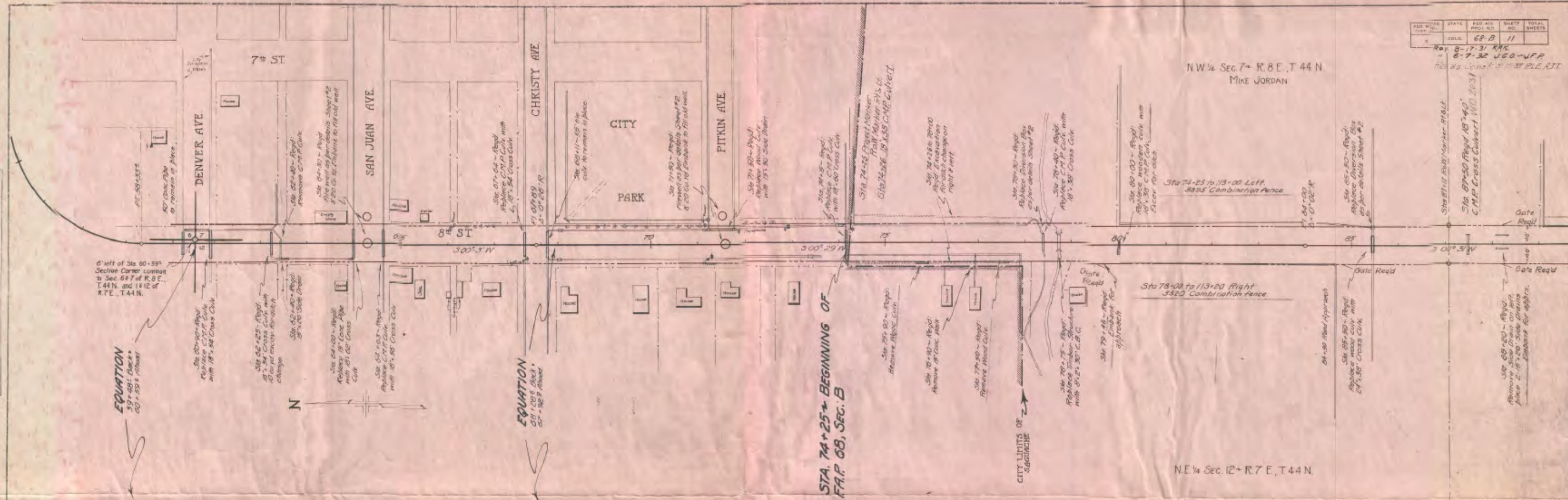
LOADING DATA
LL-A.A.S.H.O. H-15

**COLORADO
STATE HIGHWAY DEPARTMENT
STANDARD
CONCRETE BOX CULVERT**

Designed by R.S.D.	Approved by C.H. <i>Edwards</i>
Made by R.M.A.	Bridge Engineer
Checked by P.S.B.	Date: <i>27/10/1988</i>

PLAN	DATE	BY	CHKD
10/10/22	10/10/22	10/10/22	10/10/22
10/10/22	10/10/22	10/10/22	10/10/22
10/10/22	10/10/22	10/10/22	10/10/22

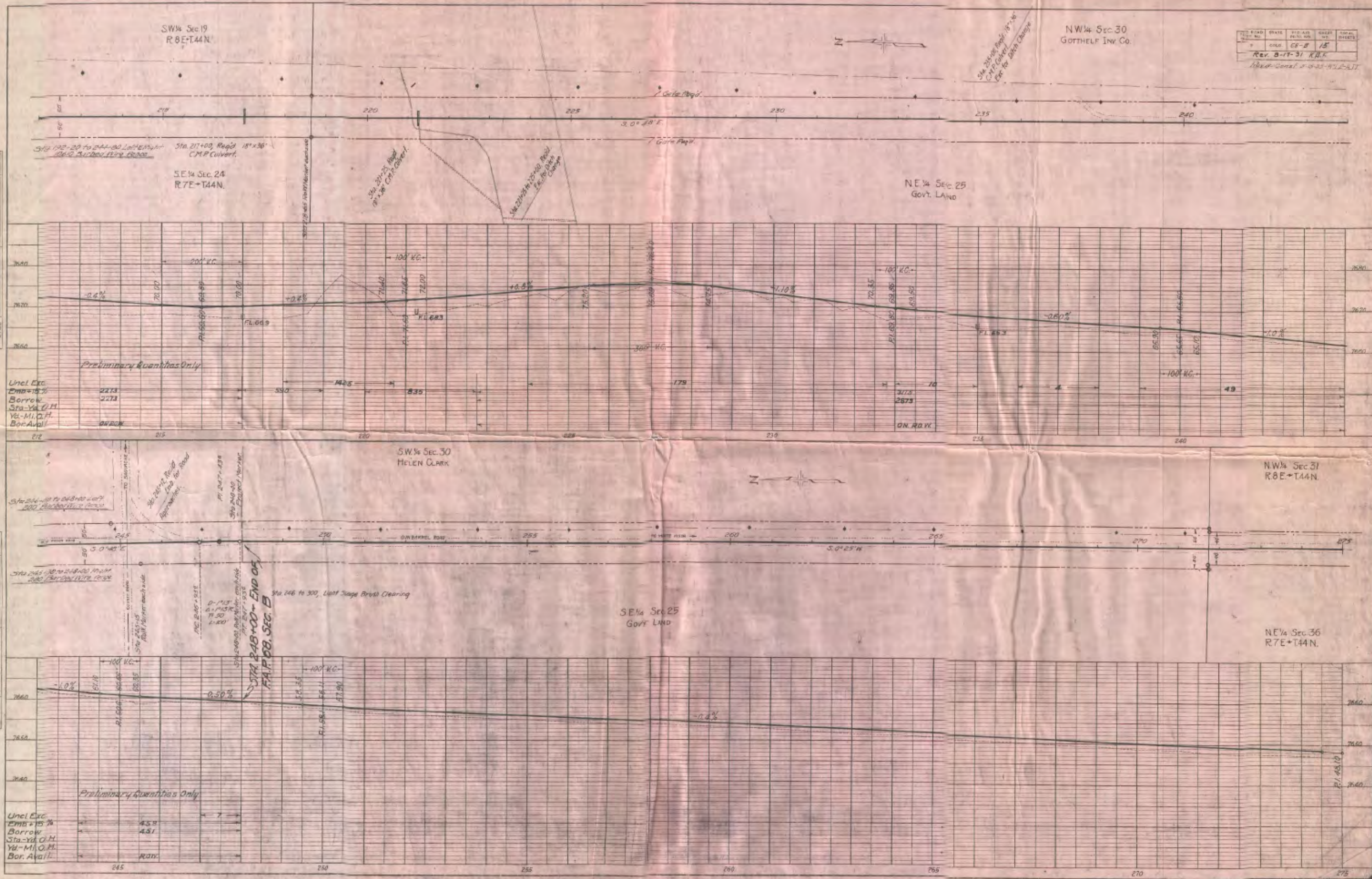
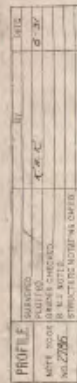
PROFILE	DATE	BY	CHKD
10/10/22	10/10/22	10/10/22	10/10/22
10/10/22	10/10/22	10/10/22	10/10/22
10/10/22	10/10/22	10/10/22	10/10/22



NO.	DATE	BY	CHKD
1	10/10/22	10/10/22	10/10/22
2	10/10/22	10/10/22	10/10/22
3	10/10/22	10/10/22	10/10/22

NW 1/4 SEC. 7- R. 8 E. T. 44 N.
MIKE JORDAN

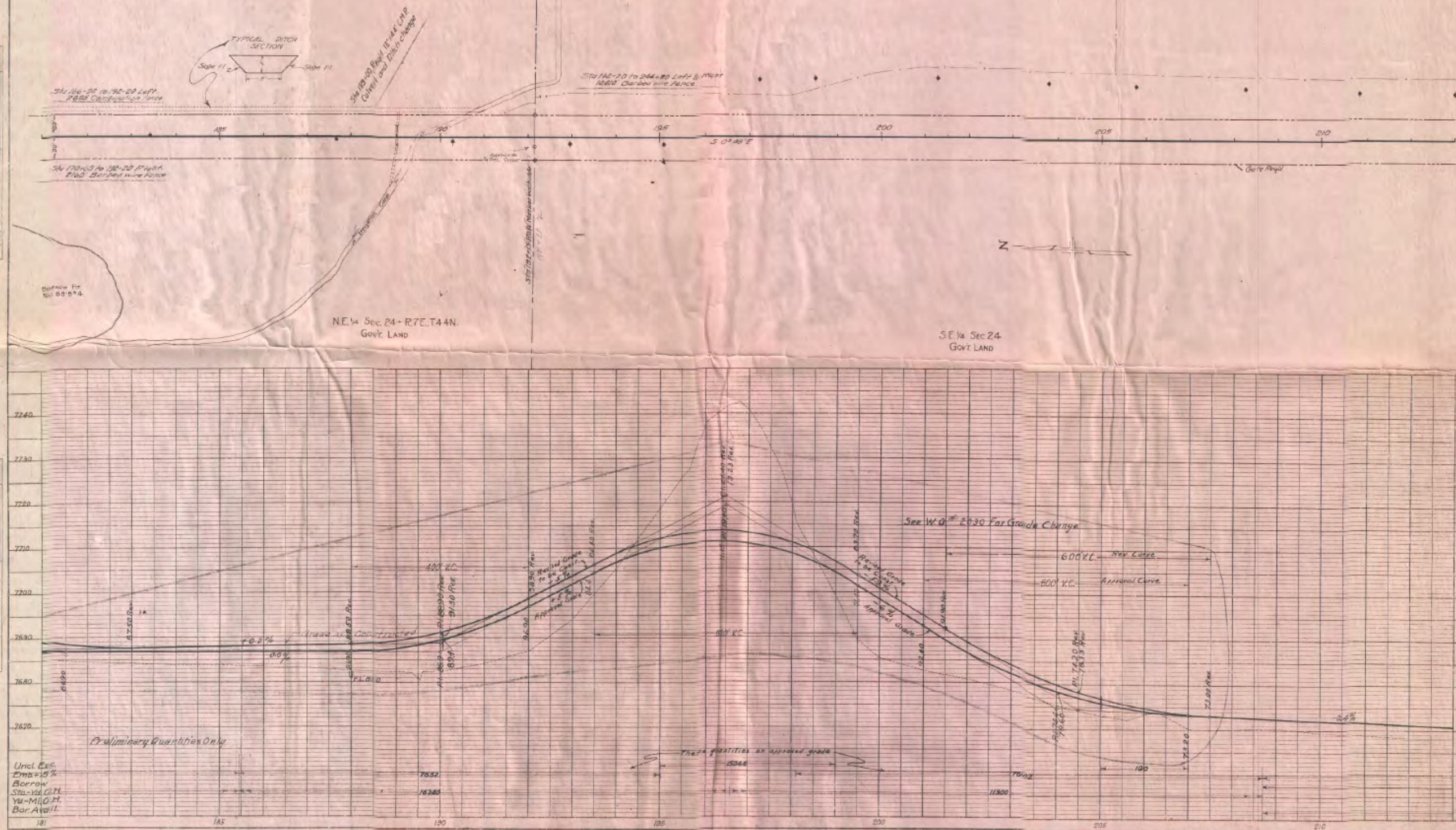
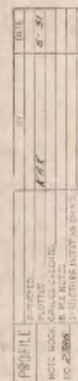
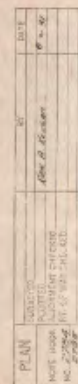
NE 1/4 SEC. 12- R. 7 E. T. 44 N.

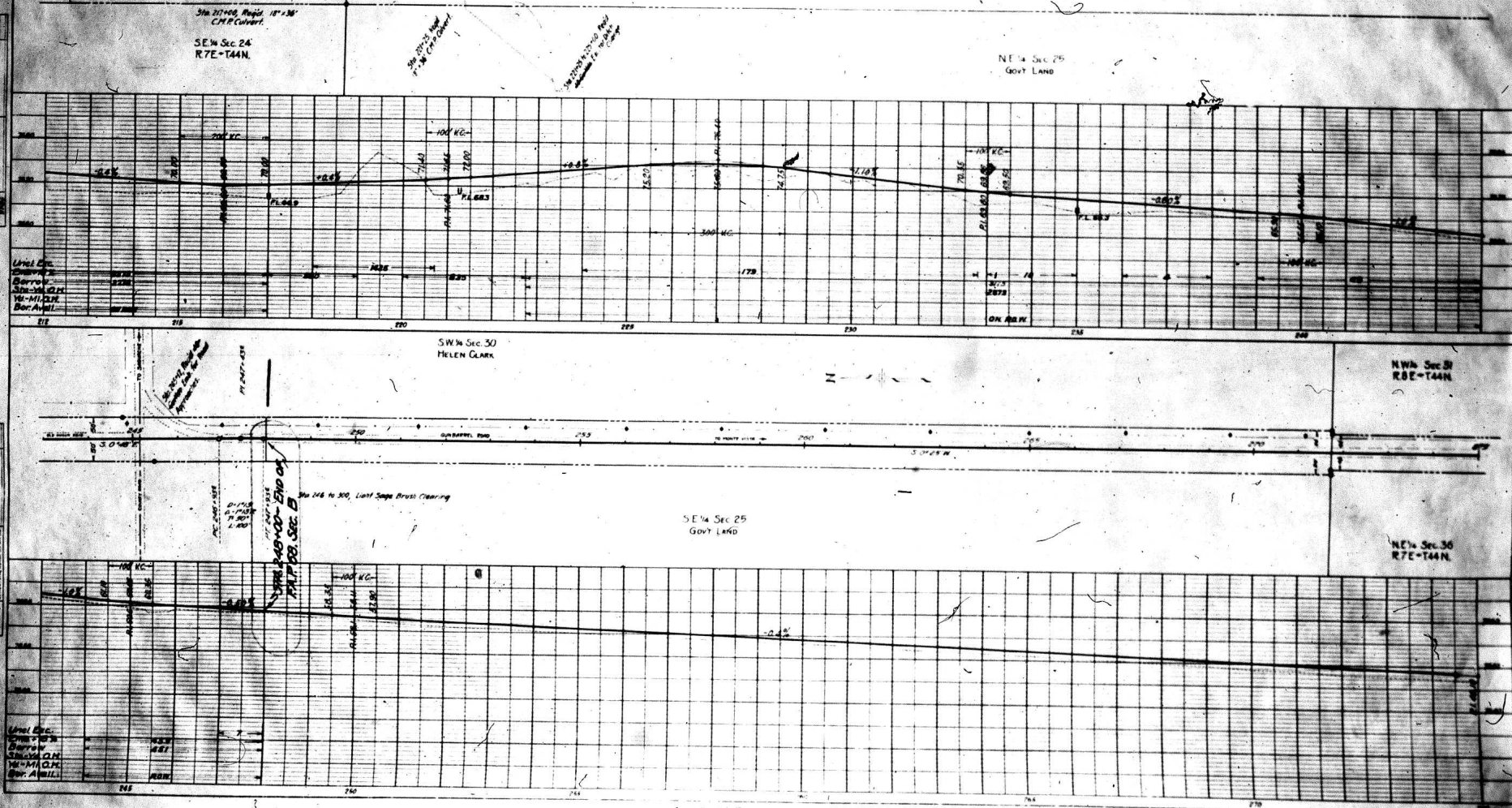


SW 1/4 SEC. 19
GOTTHELF INV CO.

FED. ROAD DIST.	STATE	FED. AID FISCAL YR.	CHSLT NO.	TOTAL CHSLT
4	CGU2	68-0	14	

Ref 6-7-32 J.G.O. - J.F.P.
Grade Change.





PLAN	SECTION	DATE	BY	CHKD
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

PLAN	SECTION	DATE	BY	CHKD
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

Beginning of P&P 08-B
Sta 0+00

Right-of-Way Marker

N.E. Sec 6 - R. 6 E. T. 44 N.
H.B. Means Est.

S.E. Sec 6 - R. 6 E. T. 44 N.
H.B. Means Est.

S.W. Sec 6 - R. 6 E. T. 44 N.
Paper Line

INTERSECTION AVE T 1901

PLAN	SECTION	DATE	BY	CHKD
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

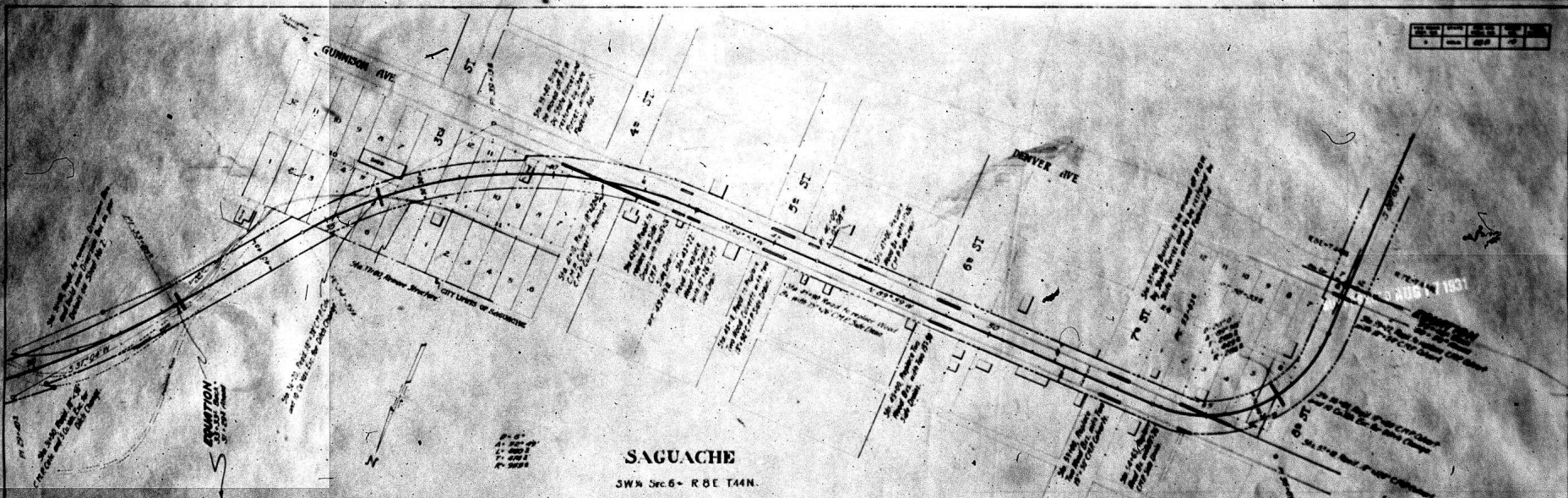
WIDENED CUT
STA 0+12

FROM P&P 08-B

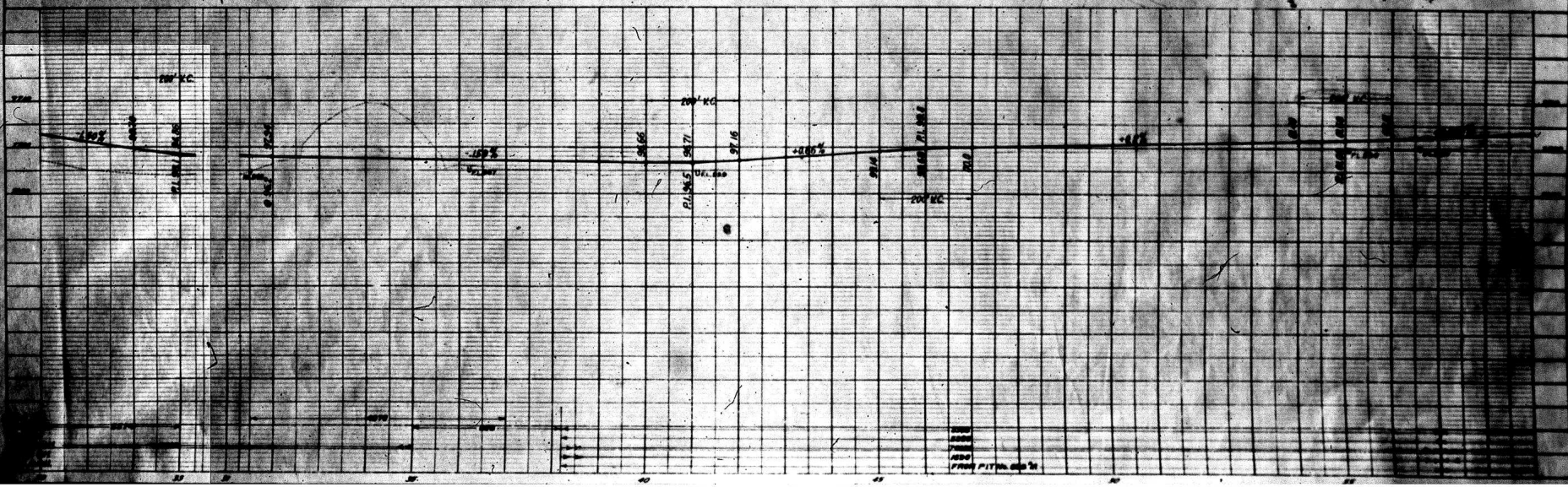
WIDENED CUT
STA 0+12

PLAN
 UNITED STATES
 GEOLOGICAL SURVEY
 WASHINGTON, D. C.

Scale
 1" = 100' 1" = 200' 1" = 300' 1" = 400' 1" = 500'

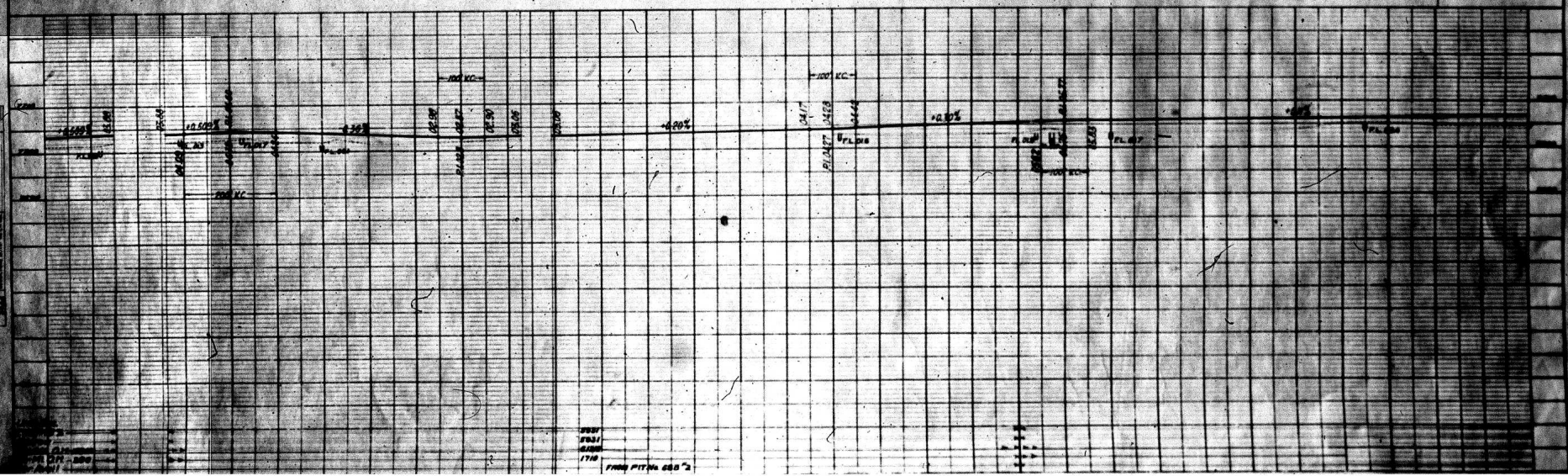
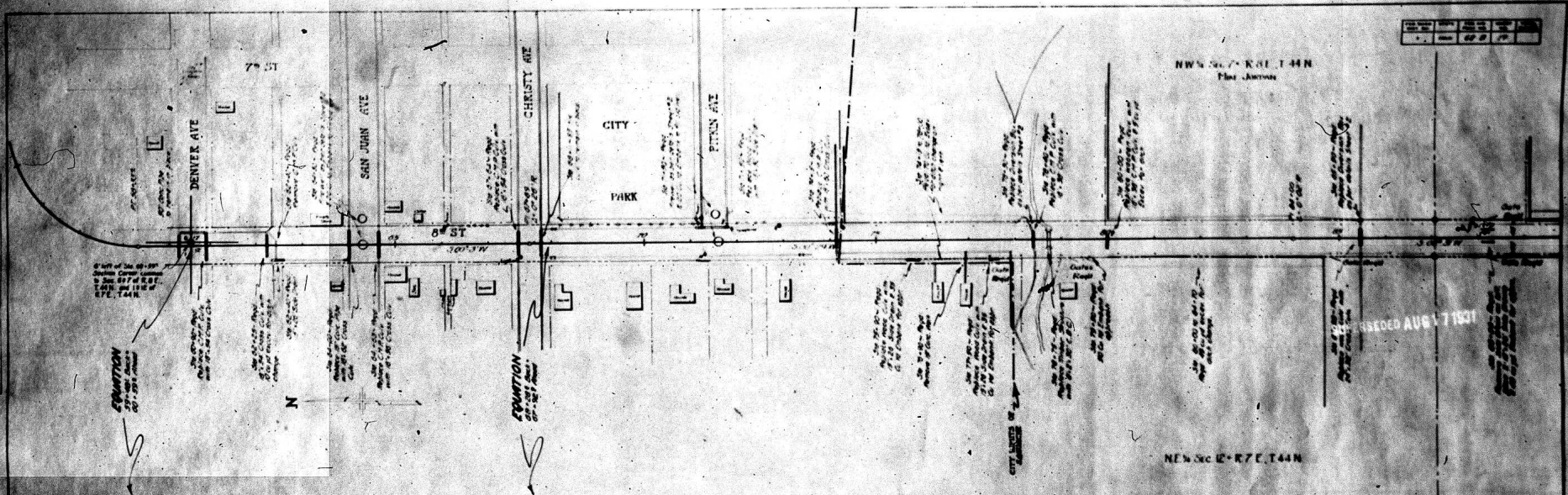


PLAN
 UNITED STATES
 GEOLOGICAL SURVEY
 WASHINGTON, D. C.



PLAN	SECTION
DATE	BY
NO.	REV.

PLAN	SECTION
DATE	BY
NO.	REV.



200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999
1000

SW 1/4 Sec 24
RBE-T44N

NW 1/4 Sec 30
GUTHRIE LUM CO

1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10

Sta 17+00 Road 18' x 30'
CMR Culvert

SE 1/4 Sec 24
R7E-T44N

NE 1/4 Sec 25
GOVT LAND

SW 1/4 Sec 30
HELEN CLARK

NW 1/4 Sec 31
RBE-T44N

SE 1/4 Sec 25
GOVT LAND

NE 1/4 Sec 30
R7E-T44N

