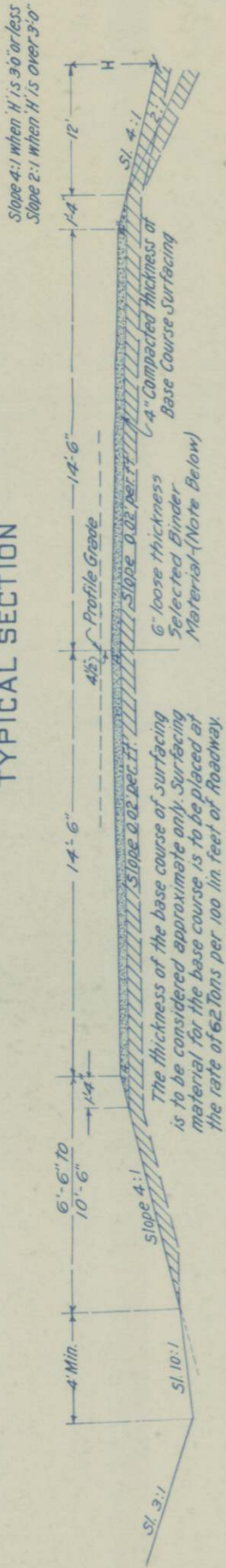


TYPICAL CROSS SECTION OF IMPROVEMENT AND SUMMARY OF QUANTITIES

TYPICAL SECTION



GENERAL NOTES

This Project is to be constructed in conformity with the Standard Specifications of the Colorado State Highway Department adopted August 1, 1935.

All quantities on preliminary plans are to be considered approximate only.
All curves are to be super-elevated and widened as provided for by the Standard Super-elevation Sheet.

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 on Typical Section, either noted on Profile as "Borrow", or on List of Structures as "Embankment", are to be classified and paid for as "Unclassified Excavation." These quantities are to be staked as part of the original excavation at 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 conditions actually met in construction.

The entire Project is to be cleared for the full width of the Right of Way, and the cost thereof is to be included in the lump sum price for Clearing and Grubbing the entire Project. Notes on the plans indicate the character and approximate locations of Clearing & Grubbing required.

All pipe cross culverts are to be provided with one head wall on the inlet end, unless otherwise noted.

All poles encroaching on construction are to be removed by the owners.

Except as limited by the Special Provisions, power equipment may be used on this Project.

Except as otherwise noted on the plans, Overhaul will be paid for as measured along the center line of the Project.

All side approach roads to the Project shall be gravel surfaced with a 4" thickness of "Gravel or Crushed Rock Surfacing" extending approximately 30 feet from edge of highway. Estimated tonnage of surfacing material required in this operation, is shown in the "List of Structures."

From Sta. 0 to Sta. 543+0 to 548+, where the new work lies on the present traveled roadway, the Contractor shall at his own expense prosecute construction so that traffic may readily pass over the road. Also, the Contractor at his own expense shall build and maintain all temporary approaches to and crossings of intersecting roads.

SELECTED BINDER MATERIAL FOR COVERING SANDY PORTIONS OF PROJECT

Between the Stations indicated in the table, Selected Binding Material shall be placed and spread on the Subgrade and Fill Slopes to a depth of approximately 6" loose thickness. It is estimated that approximately 85 cu. yd. per 100 ft. will be required. This material shall be placed prior to the placing of the Gravel or Crushed Rock Surfacing. The Selected Binder Material used in this operation shall be classified and paid for as "Unclassified Excavation. It is estimated that the Material required will be obtained in the vicinity of the Pits indicated in the table. The quantities involved in the operation are estimated as follows:

SUMMARY OF APPROXIMATE QUANTITIES

ITEM	DESCRIPTION	UNIT	ROADWAY	BRIDGE	TOTALS
10a	Clearings/Grubbing/Entire Proj.	L.P. Sum	.	.	.
11b	Removing of 1 Structure	L.P. Sum	28,500	.	28,500
12a	Removing Fence	Lin. Ft.	185,000	.	185,000
13c	Unclassified Excavation	Cu. Yd.	185,000	.	185,000
14a	Dry Rock Excavation (Struct)	"	140	.	140
14b	Dry Common "	"	1,170	90	1,260
14c	Wet Rock "	"	20	.	20
14d	Wet Common "	"	130	10	140
18a	Station Yard Overhaul	Sta. Yd.	368,000	.	368,000
18b	Yard Mile Overhaul	Yd. Mi.	6,200	.	6,200
28a	Gravel or Crushed Rock Surfacing	Ton	34,250	.	34,250
42a	Untreated Bridge Timber	Mftbm	.	130	130
42b	Treated Bridge Timber	"	.	294.1	294.1
46a	Class B Concrete	Cu. Yd.	239	.	239
46b	Class B "	"	21	.	21
47	Reinforcing Steel	Lb.	17,600	.	17,600
53b	18" Cor. Metal Culvert Pipe	Lin. Ft.	404	.	404
53c	24" "	"	1,016	.	1,016
53d	30" "	"	54	.	54
53e	36" "	"	66	.	66
53f	24" "	"	149	.	149
60a	Treated Timber Piling	"	.	8,284	8,284
60c	Piling Cut-off Treated	"	.	10	10
65	Dry Rubble Slope Faving(16"Th)	Sq. Yd.	133	.	133
74	Wire Cable Guard Fence	Lin. Ft.	1,116	.	1,116
76c	Barbed Wire Fence (Metal Posts)	"	106,300	.	106,300
76g	Barbed Wire Gates	Each	17	.	17
81a	Project Markers	"	2	.	2
81b	Right of Way Markers	"	48	.	48
85c	Trash Guards for 24" Siphons	"	4	.	4
89b	Drain Pipe (Timber Fl)(3"x24")	"	.	70	70

ALTERNATE BIDS FOR REINFORCED CONCRETE CULVERT PIPE
As alternates for items 53b, 53c, 53d, and 53e, the following items providing for Reinforced Concrete Culvert Pipe shall be bid upon:

51b	18" Reinf. Concrete Culv. Pipe	Lin. Ft.	404	404
51c	24" "	"	1,016	1,016
51d	30" "	"	54	54
51e	36" "	"	66	66

Material to be Placed	Approx. Quantity	Source of Material	Estimated Overhaul
Stations	Cu. Yd.	Sta. Location	Sta. Yd.
45+00-148+00	8,755	500' Rt - 128 #1	86,030
148+00-203+00	2,975	500' Rt - 168 #2	27,530
203+00-245+00	3,570	500' Lt - 245 #3	34,130
245+00-278+00	510	500' Lt - 273 #4	1,530
278+00-300+00	1,870	X Rd - 267-272 #5	18,180
300+00-392+00	3,445	500' Lt - 402 #6	4,630
392+00-435+00	2,165	" " " "	25,720
TOTALS	21,165	" " " "	197,810

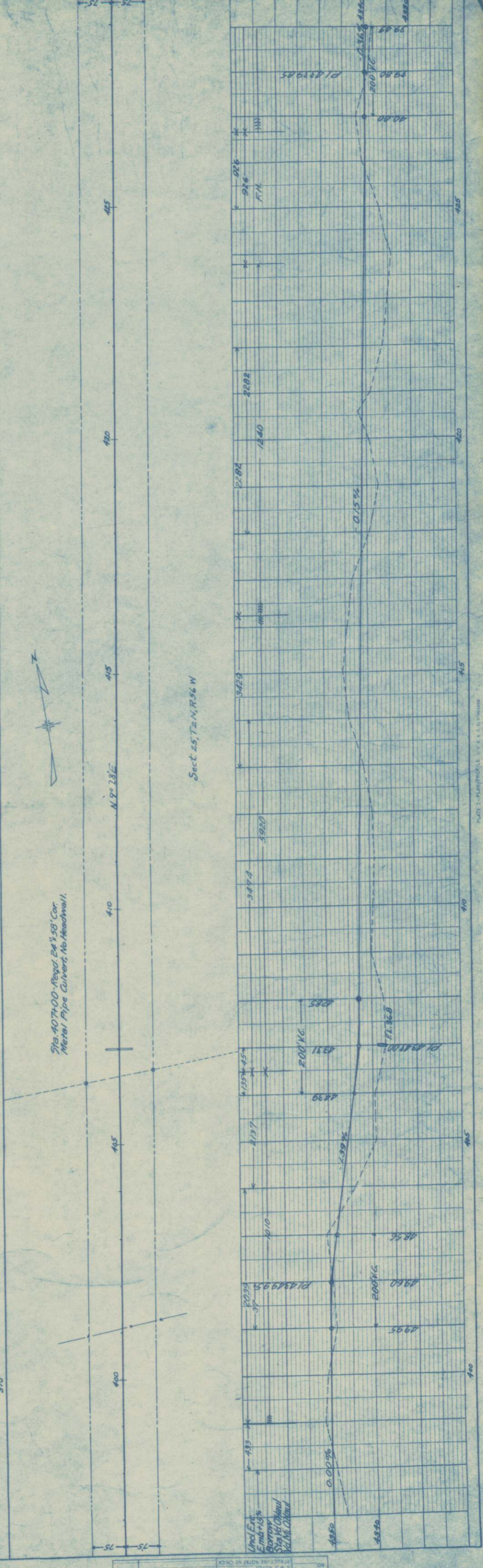
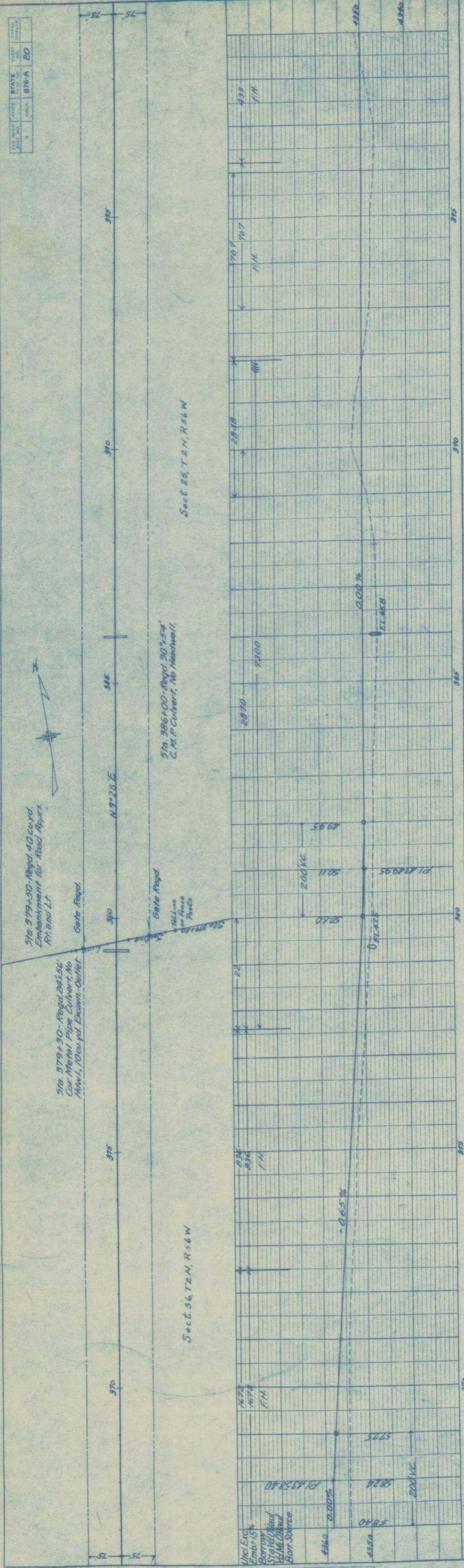
FENCING REQUIREMENTS

STATIONS	SIDE	REMOVE FENCE	BUILD FENCE	B.W. GATES
0+00 - 5+75	L.	630	561	1
0+90 - 3+70	R.	370	370	1
0+00 - 3+70	R.	155	155	1
6+45 - 29+40	L.	2,295	2,295	1
6+15 - 112+65	R.	10,580	10,580	1
26+75 - 27+65	R.	160	160	1
27+65 - 29+40	R.	8,500	8,500	1
29+40 - 112+65	R.	2,110	2,110	1
32+60 - 59+80	L.	2,725	2,725	1
59+80 - 60+50	R.	4,035	3,306	1
60+50 - 80+45	L.	165	165	1
80+45 - 109+70	R.	165	165	1
109+70 - 139+50	R.	165	165	1
139+50 - 149+90	R.	165	165	1
149+90 - 164+25	R.	165	165	1
164+25 - 165+25	R.	165	165	1
165+25 - 165+40	R.	165	165	1
165+40 - 208+87	R.	165	165	1
208+87 - 209+13	R.	165	165	1
209+13 - 271+70	R.	165	165	1
271+70 - 272+25	R.	165	165	1

R.O.W. MARKERS

STATIONS	SIDE	No.
0+00	R-L	2
6+30	R-L	2
29+40	L	1
33+56	R-L	2
60+00	R	1
60+50	L	1
86+31	R-L	2
112+65	R-L	2
139+10	R-L	2
165+55	R-L	2
193+32	R-L	2
220+51	R-L	2
247+50	R-L	2
274+14	R-L	2
300+59	R-L	2
326+70	R-L	2
353+30	R-L	2
379+50	R-L	2
406+44	R-L	2
433+10	R-L	2
459+60	R-L	2
486+11.5	R-L	2
521+65	R-L	2
541+05	R	1
540+49.5	R-L	2

TOTAL	No.	48
-------	-----	----



NO. 10
NOTE BOOK
ADJUSTMENT CHECKED
DATE

PROFILE
NOTE BOOK
ADJUSTMENT CHECKED
DATE

