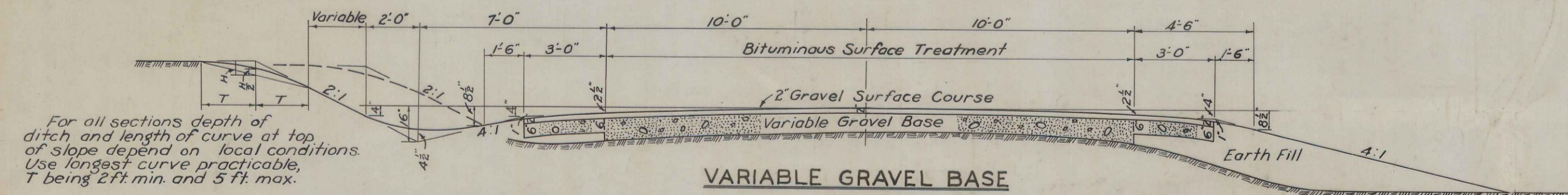


GRAVEL SURFACE COURSE

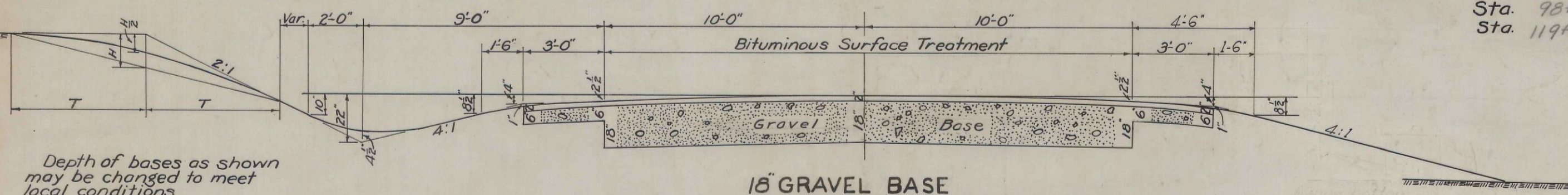


VARIABLE GRAVEL BASE

2" Gravel Surface Course including shoulders = 16.05 C.Y. per 100 Lin. Ft.
6" Gravel Base Course both shoulders = 11.11 C.Y. per 100 Lin. Ft.

VARIABLE GRAVEL BASE

Sta. 98+00 To Sta. 98+25
Sta. 119+50 To Sta. 123+00

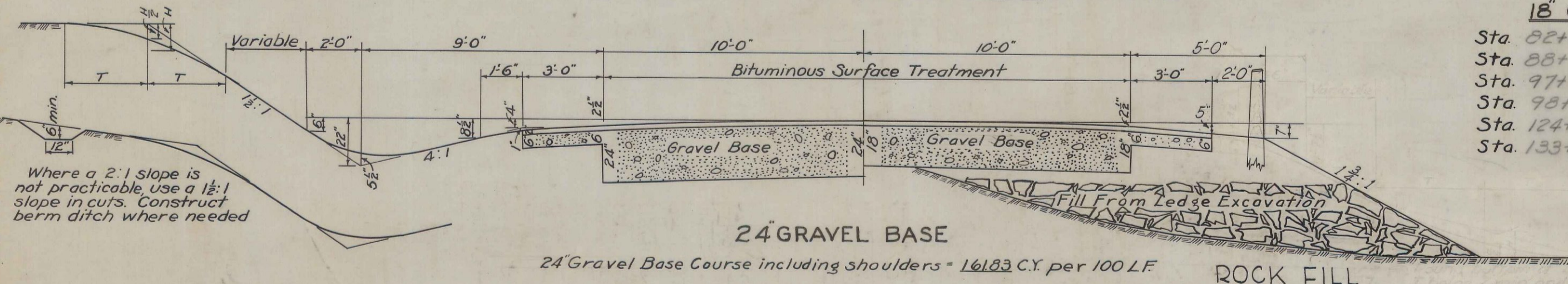


18" GRAVEL BASE

6" Gravel Base including shoulders = 48.15 C.Y. Per 100 L.F.
18" Gravel Base including shoulders = 124.79 C.Y. Per 100 L.F.

18" GRAVEL BASE

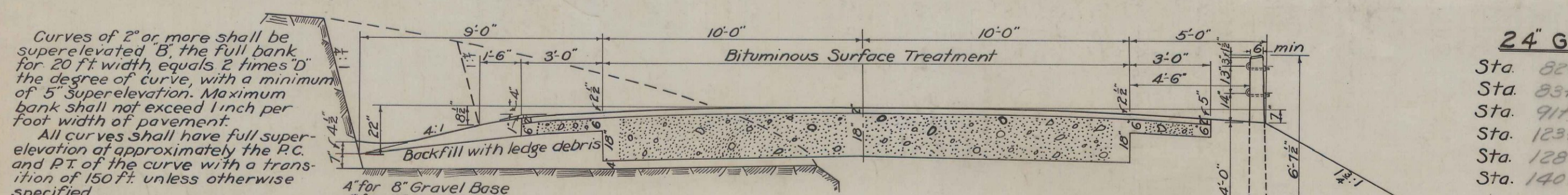
Sta. 82+85 To Sta. 83+60
Sta. 88+00 To Sta. 91+63
Sta. 97+00 To Sta. 98+00
Sta. 98+25 To Sta. 119+50
Sta. 124+00 To Sta. 128+00
Sta. 133+50 To Sta. 140+00



24" GRAVEL BASE

24" Gravel Base Course including shoulders = 161.83 C.Y. per 100 L.F.

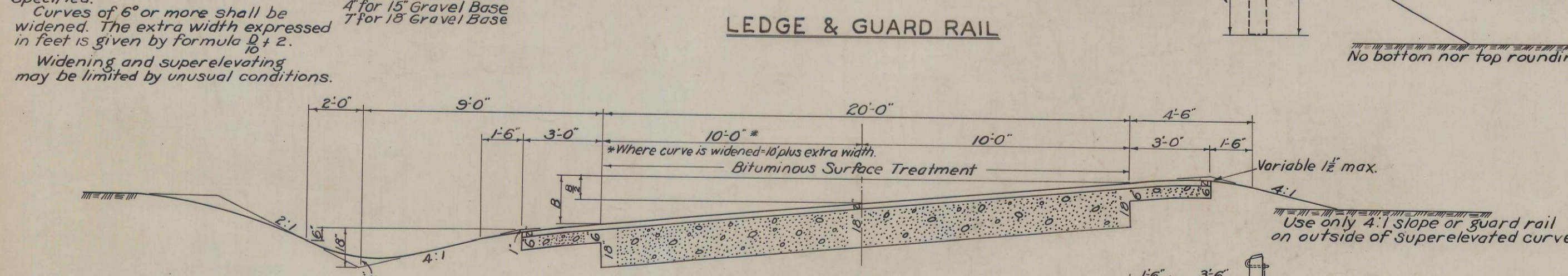
ROCK FILL



LEDGE & GUARD RAIL

24" GRAVEL BASE

Sta. 82+0 To Sta. 82+85
Sta. 83+60 To Sta. 88+00
Sta. 91+63 To Sta. 97+00
Sta. 123+00 To Sta. 124+00
Sta. 128+00 To Sta. 133+50
Sta. 140+00 To Sta. 142+69



WIDENED & SUPERELEVATED

6" Gravel Base Course inc. shoulders = 48.15 C.Y. per 100 L.F.
12" Gravel Base Course inc. shoulders = 85.19 C.Y. per 100 L.F.
15" Gravel Base Course inc. shoulders = 103.70 C.Y. per 100 L.F.
18" Gravel Base Course inc. shoulders = 124.79 C.Y. per 100 L.F.
24" Gravel Base Course inc. shoulders = 161.83 C.Y. per 100 L.F.

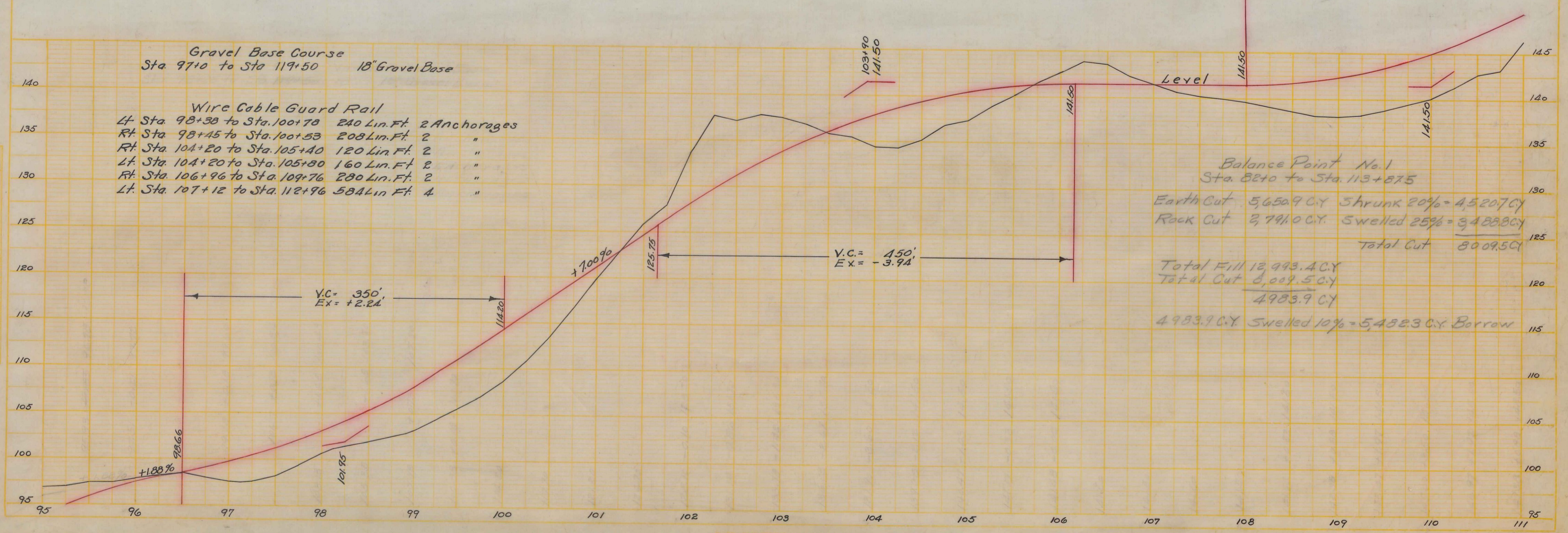
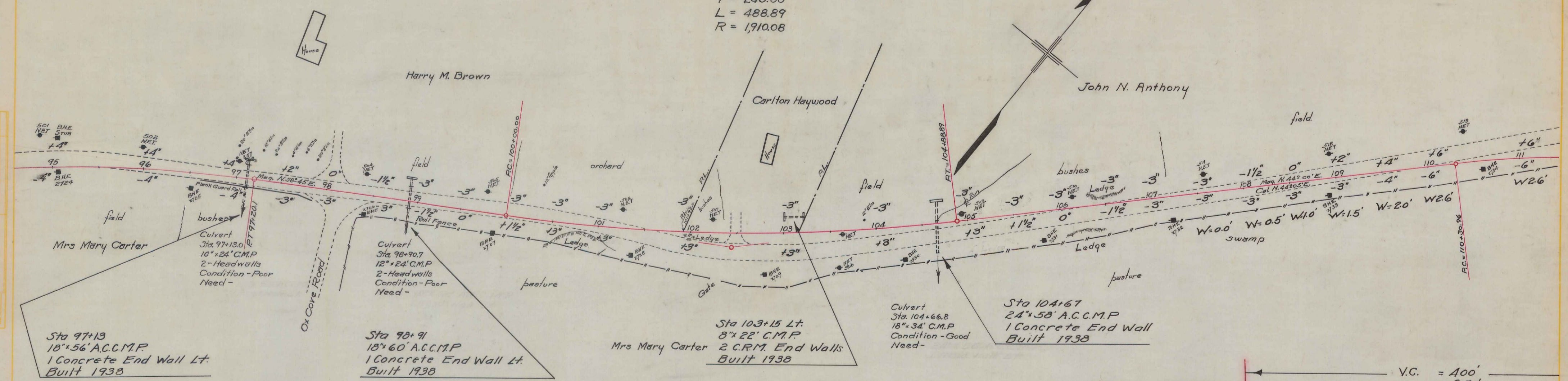
FINAL QUANTITIES

Item	Quantity	Unit	Description
11	0.7	Acres	Clearing And Grubbing
12-A	9,495	Cu Yds.	Earth Excavation
12-B	3,410	Cu Yds.	Rock Excavation
12-C	5	Each	Trees Removed
13	482	Cu Yds.	Excavation for Structures
	37	Cu Yds.	Rock Excavation for Struct.
17A	6,085	Cu Yds.	Common Borrow
23	8,700	Cu Yds.	Gravel Base Course
27	1,100	Cu Yds.	Gravel Surface Course
35-A	75	Cu Yds.	Class "A" Concrete
35-B	152.2	Cu Yds.	Class "B" Concrete
36	10,331	Lbs.	Steel Reinf for Conc. Struct.
38	10	Cu Yds.	Cement Rubble Masonry
40-A	138	Lin. Ft.	12" C.M.P.
40-B	44	Lin. Ft.	15" C.M.P.
40-C	30	Lin. Ft.	18" C.M.P.
41-C	202	Lin. Ft.	18" Asphalt Coated C.M.P.
41-E	102	Lin. Ft.	24" Asphalt Coated C.M.P.
41-F	96	Lin. Ft.	30" Asphalt Coated C.M.P.
51-A	3,897	Lin. Ft.	Wire Cable Guard Rail
51-B	34	Each	Anchorage for W.C.G.R.
55	8,650	Gals.	Bituminous Treatment

CULVERTS

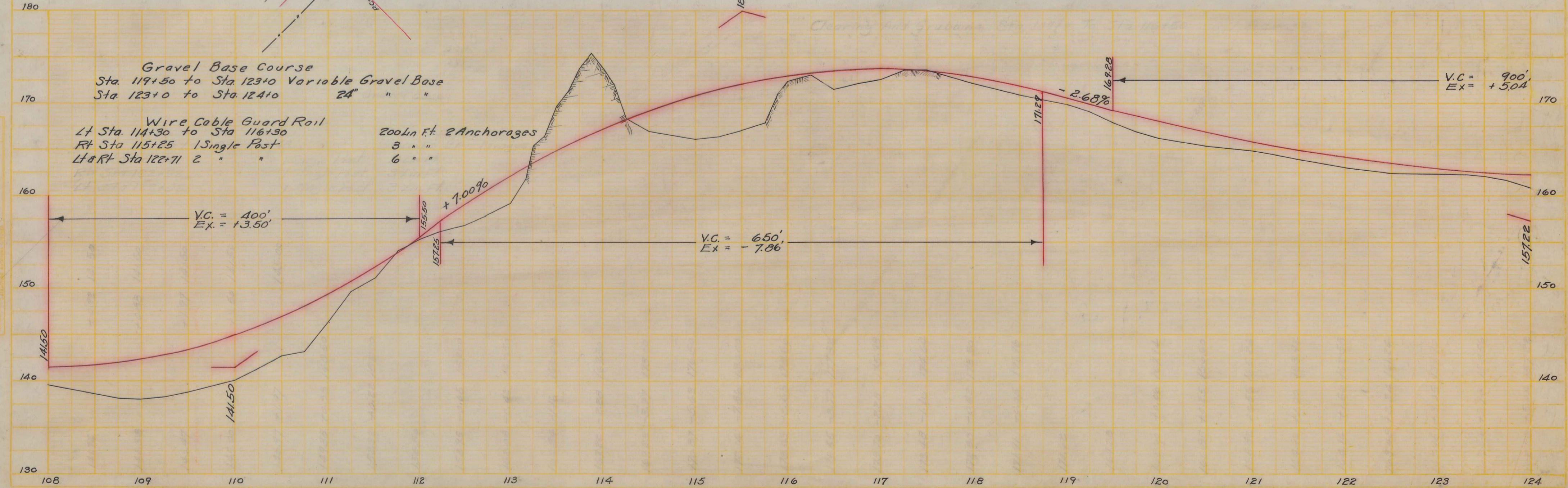
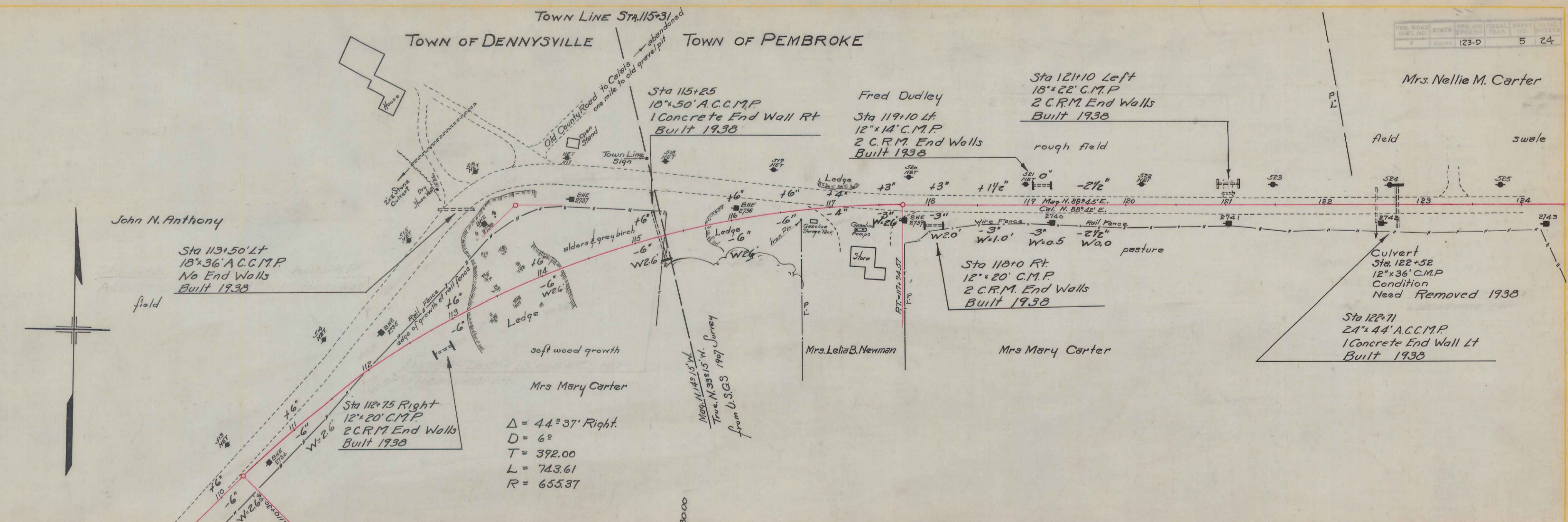
Station	Size	Length	Description
83+27	30"	50'	ACC.M.P. 1 Conc. H.W.
84+75 Lt.	12"	24'	C.M.P. 2 C.R.M. H.Ws.
86+90 Lt.	15"	22'	C.M.P. 2 C.R.M. H.Ws.
97+13	18"	56'	ACC.M.P. 1 Conc. H.W.
98+91	18"	60'	" " "
103+15 Lt.	8"	22'	C.M.P. 2 C.R.M. H.Ws.
104+67	24"	58'	ACC.M.P. 1 Conc. H.W.
112+75 Rt.	12"	20'	C.M.P. 2 C.R.M. H.Ws.
113+50 Lt.	18"	36'	ACC.M.P. Across old road
115+25	18"	50'	ACC.M.P. 1 Conc. H.W.
118+0 Rt.	12"	20'	C.M.P. 2 C.R.M. H.Ws.
119+10 Lt.	12"	14'	C.M.P. 2 C.R.M. H.Ws.
121+10	18"	22'	C.M.P. 2 C.R.M. H.Ws.
122+71	24"	44'	A.C.M.P. 1 Conc. H.W.
125+28	30"	46'	" " "
128+15 Rt.	12"	12'	C.M.P. 2 C.R.M. H.Ws.
132+35 Rt.	12"	26'	" " "
137+10 Lt.	15"	22'	" " "
143+00 Lt. & Rt.	18"	8'	C.M.P. 4' Extension Lt & Rt.

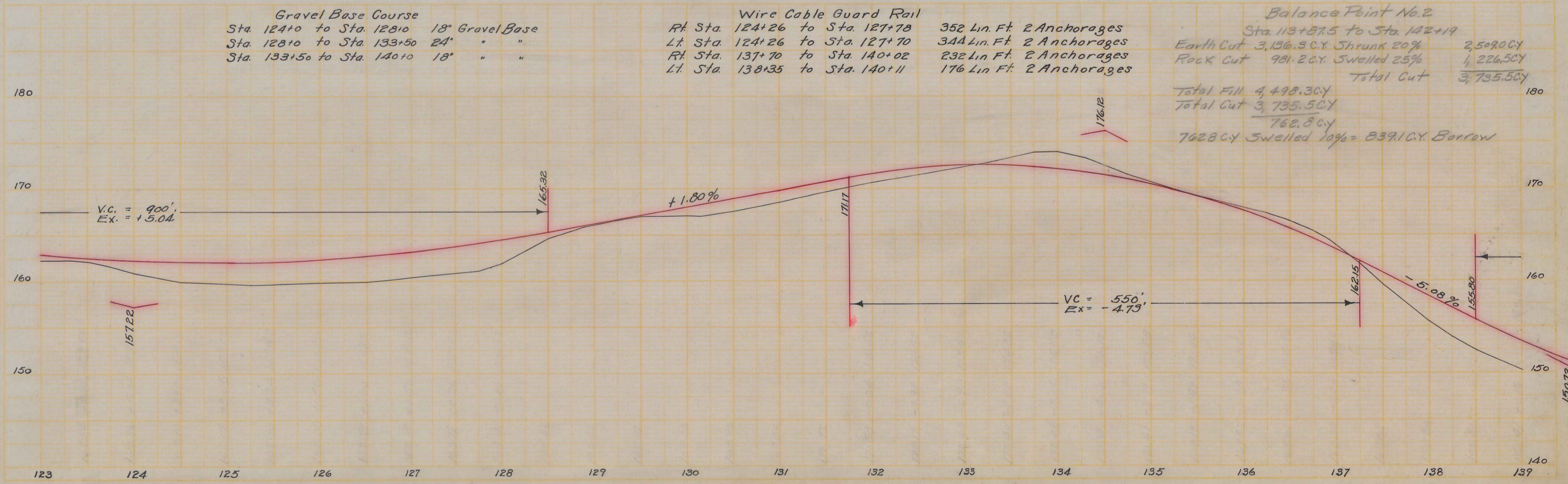
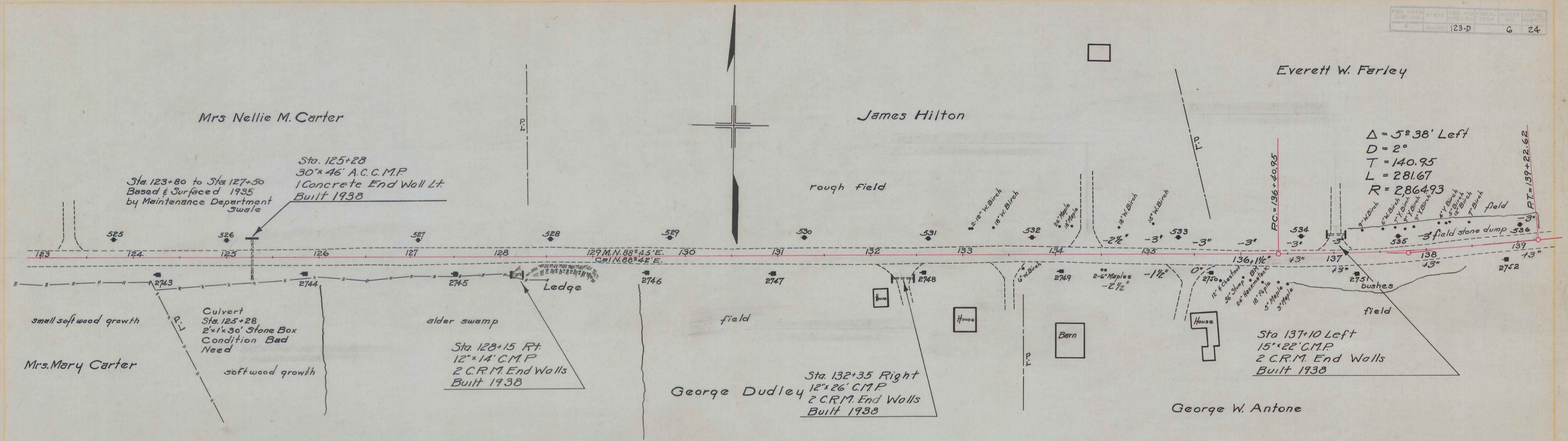
$\Delta = 14^\circ 40'$ Left
 $D = 3^\circ$
 $T = 245.80$
 $L = 488.89$
 $R = 1,910.08$



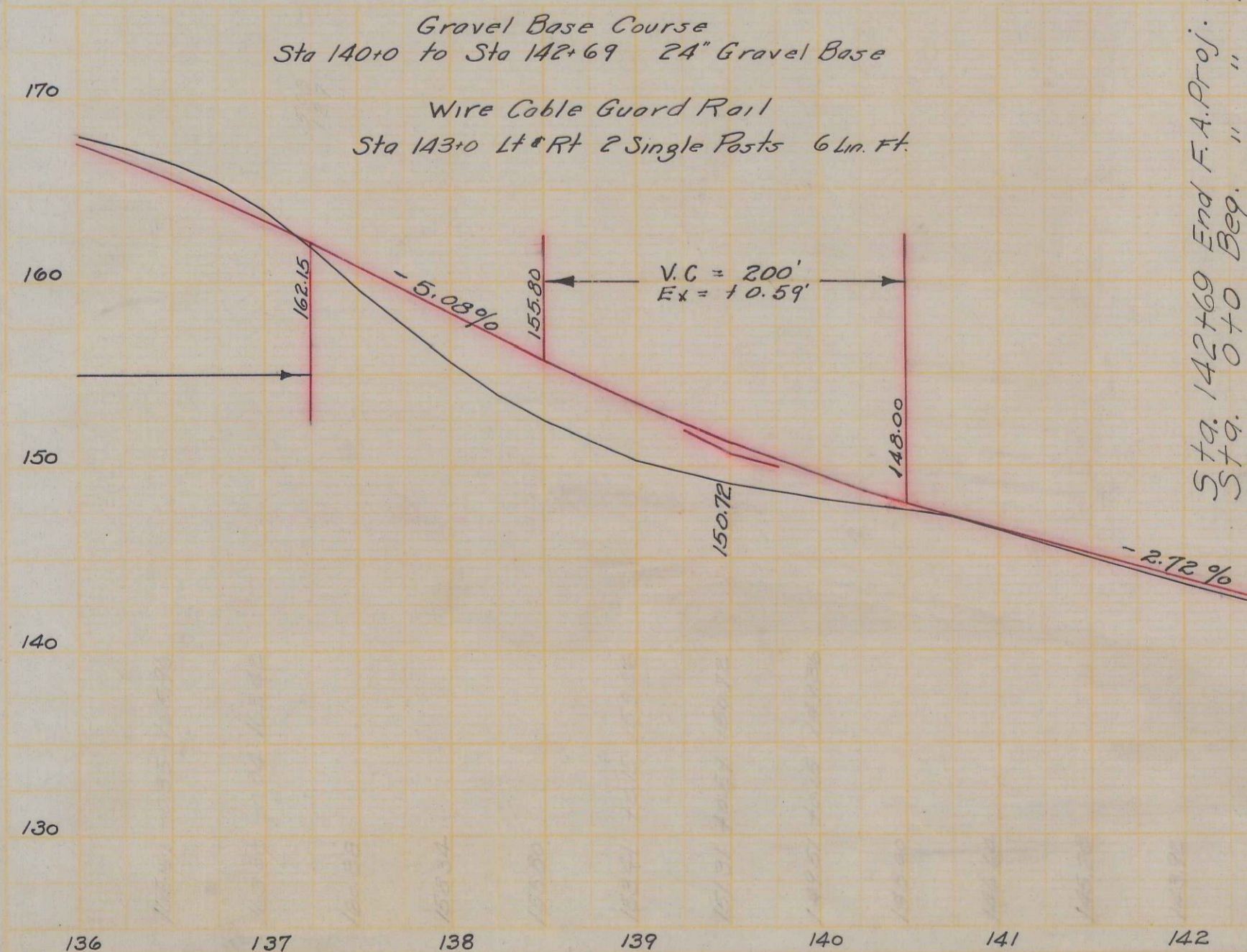
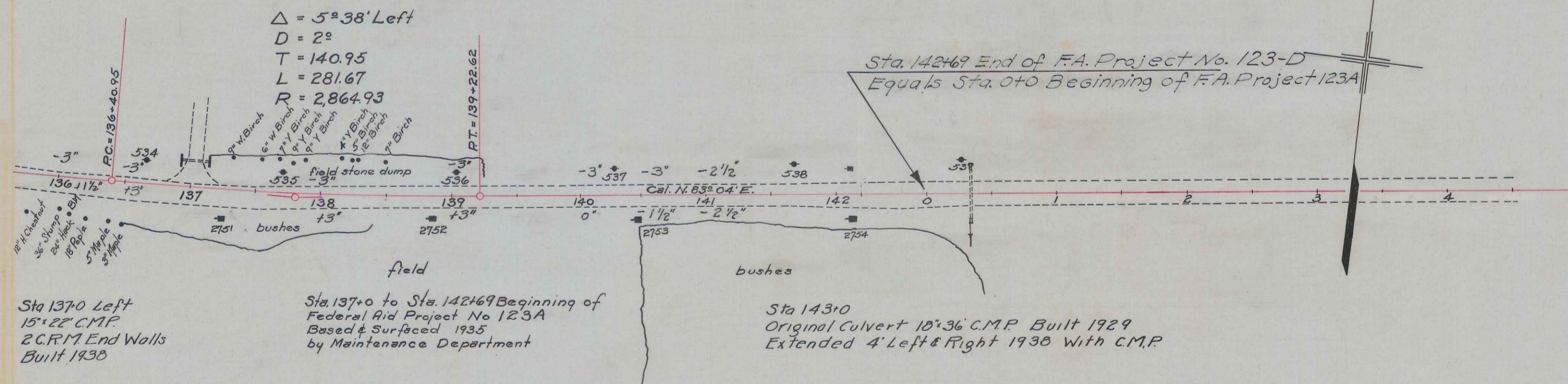
Balance Point No. 1
 Sta. 82+0 to Sta. 113+57.5
 Earth Cut 5,650.9 C.Y. Shrink 20% = 4,520.7 C.Y.
 Rock Cut 2,791.0 C.Y. Swelled 25% = 3,488.8 C.Y.
 Total Cut 8,009.5 C.Y.
 Total Fill 12,993.4 C.Y.
 Total Cut 8,009.5 C.Y.
 4,983.9 C.Y.
 4,983.9 C.Y. Swelled 10% = 5,482.3 C.Y. Borrow

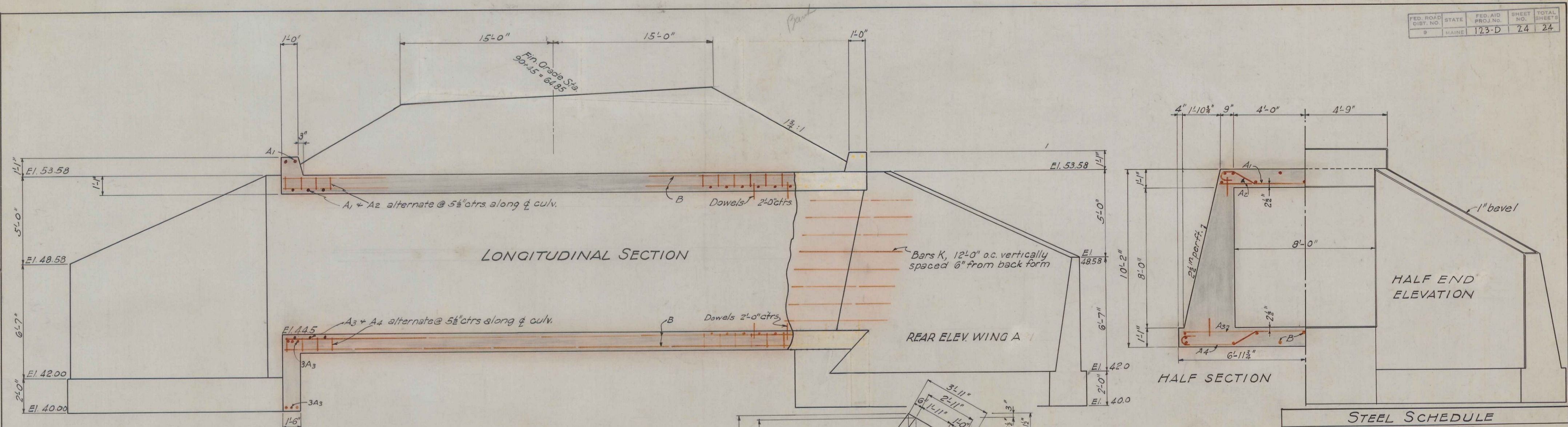
FED. ROAD DIST. NO.	STATE	SEC. AID FUNDING YEAR	SHEET NO.	TOTAL SHEETS
2	MAINE	123-D	5	24





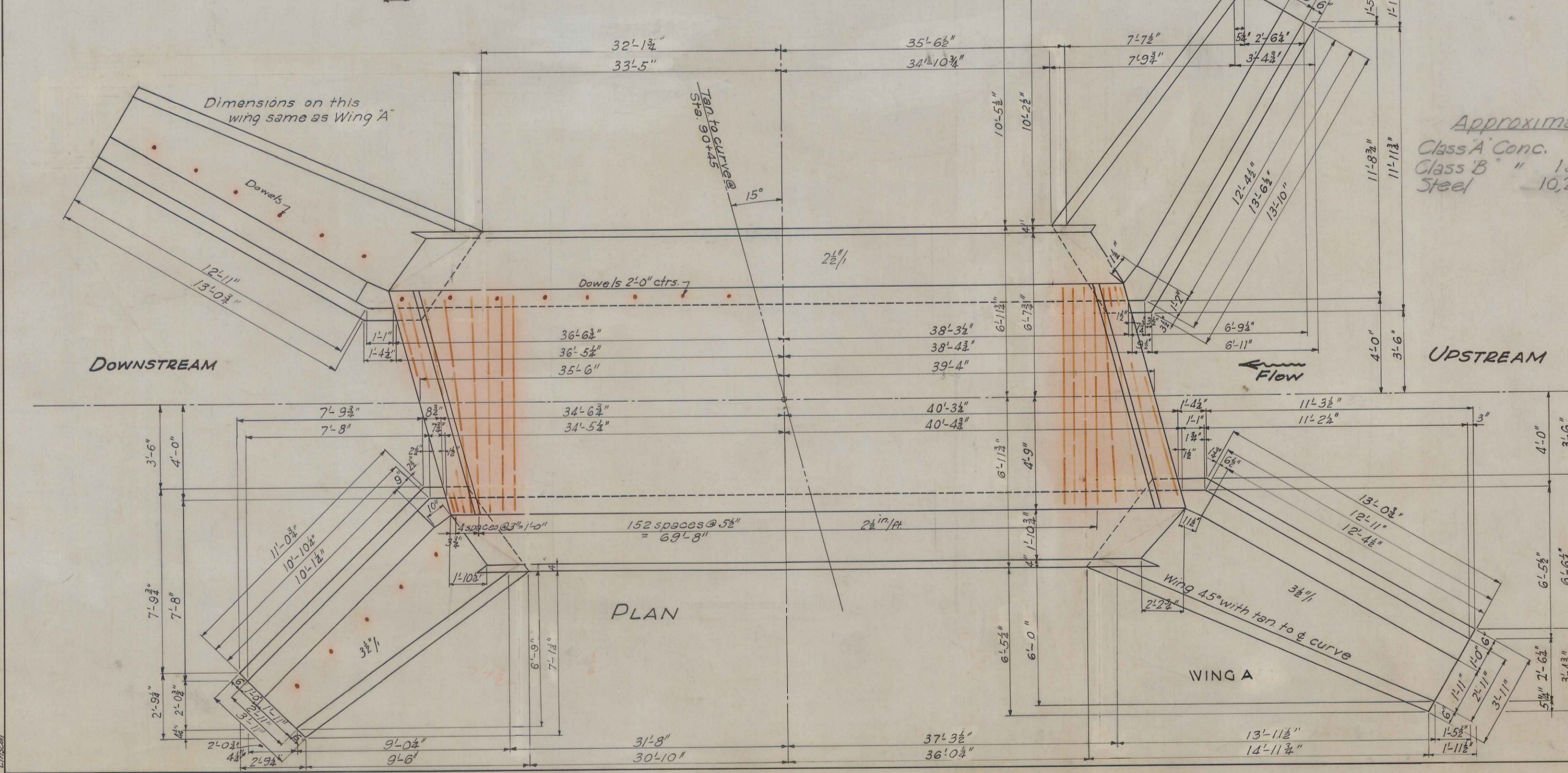
Everett W. Farley





STEEL SCHEDULE

STRAIGHT BARS				
MARK	SIZE	No.	LENGTH	LOCATION
A1	7/8"φ	80	9'-2"	Top Slab - Curbs
A3	7/8"φ	86	13'-8"	Bottom " - Cut-off walls
B	1/2"φ	24	74'-5"	Tie bars
K	3/4"φ	32	6'-0"	Wings to Sidewalls
Dowels	3/4"φ	175	1'-0"	



Approximate Quantities
 Class A Conc. 75 Cu. Yds
 Class B " 135 Cu. Yds
 Steel 10,276 Lbs.

BENT BARS

MARK	SIZE	No.	LENGTH	LOCATION
A2	7/8"φ	81	Req.	Top Slab
A4	7/8"φ	81	"	Bottom Slab

All steel to be plain round bars of structural grade.
 Steel must be wired firmly at each intersection.
 Sidewalls & wing walls class "B" concrete 1:2 1/2:5
 Top & bottom slabs class "A" " 1:2:4

Maine State Highway Commission
 8'-0" x 8'-0" REINFORCED
 CONCRETE BOX CULVERT
 in the town of
 Dennysville, Washington Co.,
 STATE HIGHWAY "N"
 Station 90+45
 July 1937