WOOD GUARD RAIL REQUIRED

CULV. STA.	LEFT	RIGHT
341+89	–	24'
346+54	24'	24'
355+41	–	24'

CABLE GUARD RAIL REQUIRED

STATIONS	LENG.	CONST.	PAY LENG.
341+36-342+00 LT.	48'	40'	88'
349+70-349+94 RT.	24'	20'	44'
349+81-350+05 LT.	24'	20'	44'
350+08-350+32 RT.	24'	20'	44'
350+19-350+43 LT.	24'	20'	44'
353+40-356+00 LT.	260'	40'	300'

NEW REINF. CONCRETE BOX CULVERTS REQUIRED

STATION	SIZE	CONC. A.	REINF. STEEL
341+89	4'x4'	26.0 c.y.	1778 lbs.

NEW CAST IRON PIPE CULVERTS REQUIRED

STATION	DIAM.	LENG.	CONC. A.	CONC. C.	REINF. STEEL
346+54	18"	45'	1.8 c.y.	–	75 lbs.
355+41	18"	39'	2.6 c.y.	–	102 lbs.

BRIDGE STA. 349+95 TO STA. 350+15

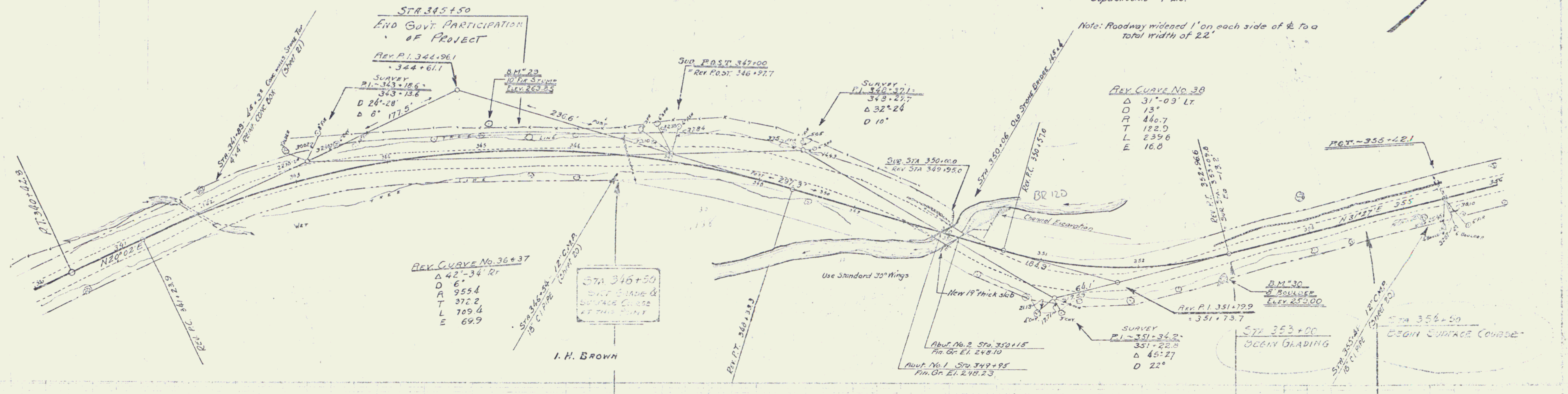
SUMMARY OF QUANTITIES

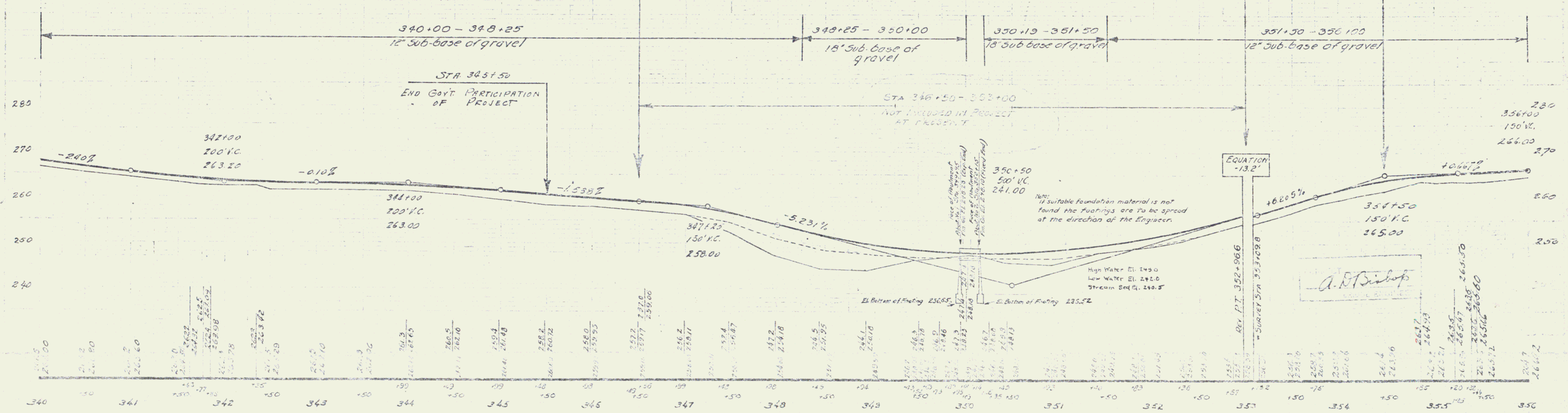
Item		
Item 14	Channel Excavation	100 C.Y.
" 15	Structure Excavation	240 C.Y.
" 33A	Concrete Class A	37 C.Y.
" 33B	Concrete Class C	138 C.Y.
" 34	Reinforcing Steel	5280 Lbs.
" 55	Temporary Bridge and Maintaining Traffic	1 L.S.
	Removal of Present Superstructure	1 L.S.

SHEETS TO BE USED

Sheet No. 2-N S.L.B. 20 No. C.R. Slab Bridge 20' Span 45° Skew 22' roadway
" " 3-N S.L.A.G. No. 45° Abutment Details for Slab Bridges - Use H = 8' (Modified - For banking and 2' widening)
" " 4-N S.B. No. 2 Typical Details
" " 5-N S.B. No. 2A Typical Details
" " 1-N Plan and Profile

Note: Roadway widened 1' on each side of ℄ to a total width of 22'


NEWMAN, PAGE, & HADLEY
STA. 345+50
END GOV'T. PARTICIPATION OF PROJECT
REV. P.I. 344+96.1
= 344+61.1
SURVEY P.I.~343+18.6 = 343+13.6
D 24°-28'
Δ 6°
177.5'
B.M. #29
10" FIR STUMP
ELEV. 263.85
236.6'
SUR. P.O.S.T. 347+00
= REV. P.O.S.T. 346+97.7
SURVEY P.I. 348+37.1 = 348+27.7
Δ 32°-24'
D 10°
SUR. STA. 350+00.0
= REV. STA. 349+95.0
STA. 350+06 OLD STONE BRIDGE 14.5x6
REV. P.C. 350+57.0
BR 120
Channel Excavation
REV. CURVE NO. 38
Δ 31°-09' LT.
D 13°
R 440.7
T 122.9
L 239.6
E 16.8
P.O.T. ~355+42.1
N 31°27' E
355
356
REV. P.T. 352+96.6 = SUR. STA. 353+09.8 Eq. -13.2'
P.T. 340+42.8
N 20°02' E
340
341
342
343
344
345
346
347
348
349
350
351
352
353
REV. P.C. 341+23.9
STA. 341+89 - 4.5 x 3 ± CONC. WALLS STONE TOP 4'x4' REINF. CONC. BOX (Sheet 21)
WET
TREE
LINE
POST
297.3'
184.9'
64.1'
REV. CURVE NO. 36+37
Δ 42°-34' RT.
D 6°
R 955.4
T 372.2
L 709.4
E 69.9
STA. 346+54 - 12" C.M.P. 18" C.I. PIPE (Sheet 20)
STA. 346+50 START GRADE & SURFACE COURSE AT THIS POINT
I. H. BROWN
REV. P.T. 348+33.3
Use Standard 30° Wings
New 19" thick slab
Abut. No. 2 Sta. 350+15 Fin. Gr. El. 248.10
Abut. No. 1 Sta. 349+95 Fin. Gr. El. 248.23
REV. P.I. 351+79.9 = 351+73.7
SURVEY P.I.~351+34.2 = 351+22.8
Δ 45°27'
D 22°
B.M. #30
8' BOULDER
ELEV. 259.00
STA. 353+00 BEGIN GRADING
STA. 355+41 - 12" C.M.P. 18" C.I. PIPE (Sheet 20)
STA. 354+50 BEGIN SURFACE COURSE


340+00 – 348+25
12" Sub-base of gravel
348+25 – 350+00
18" Sub-base of gravel
350+19 – 351+50
18" Sub-base of gravel
351+50 – 356+00
12" Sub-base of gravel
STA. 345+50
END GOV'T. PARTICIPATION OF PROJECT
STA. 346+50 – 353+00
NOT INCLUDED IN PROJECT AT PRESENT
280
270
260
250
240
-2.40%
342+00
200' V.C.
263.20
-0.10%
344+00
200' V.C.
263.00
-1.538%
347+25
150' V.C.
258.00
-5.231%
Face of Abutment Abut. No. 1 Sta. 349+95 Fin. Gr. El. 248.23 (Exp. End)
Face of Abutment Abut. No. 2 Sta. 350+15 Fin. Gr. El. 248.10 (Fixed End)
350+50
500' V.C.
241.00
Note: If suitable foundation material is not found the footings are to be spread at the direction of the Engineer.
El. Bottom of Footing 236.65
El. Bottom of Footing 235.52
High Water El. 245.0
Low Water El. 242.0
Stream Bed El. 240.5
EQUATION -13.2'
REV. P.T. 352+96.6
= SURVEY STA. 353+09.8
+6.205%
354+50
150' V.C.
265.00
+0.667%
356+00
150' V.C.
266.00
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356

B.M. # 29 SPIKE IN TOP OF 10" FIR STUMP, 32' LT. OF STA. 345+07 - ELEV. 263.35
B.M. # 30 TOP OF 8' BOULDER, 19' RT. OF STA. 353+00, ELEV. 259.00

A. D. Bishop