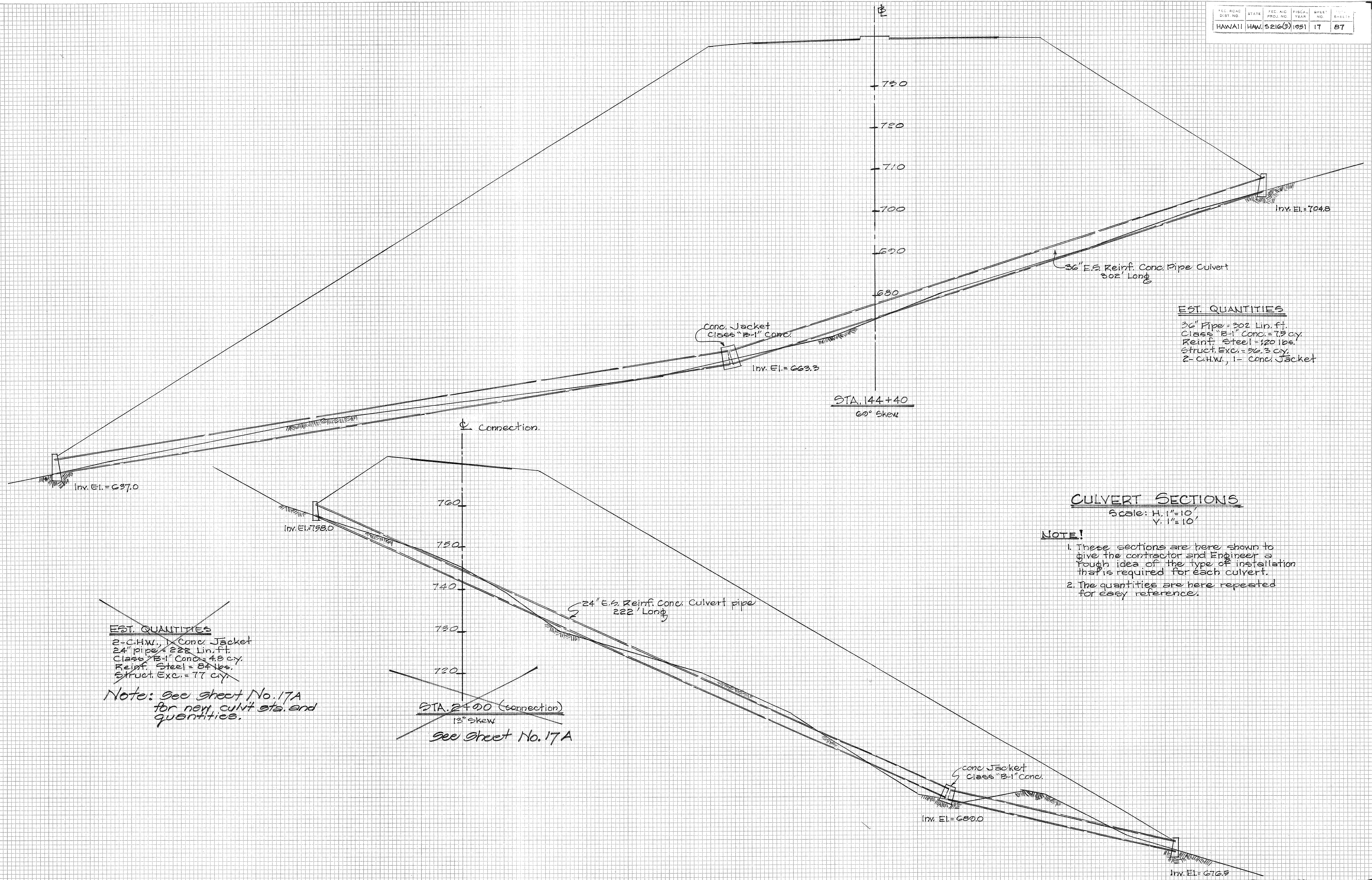


DATE	BY	SURVEYED	PLOTTED	TECH. DATE	NO.

DATE	BY	SURVEYED	PLOTTED	TECH. DATE	NO.



EST. QUANTITIES
 36" Pipe = 302 Lin. ft.
 Class "B-1" Conc. = 7.3 cy.
 Reinf. Steel = 120 lbs.
 Struct. Exc. = 26.3 cy.
 2- C.H.W., 1- Conc. Jacket

CULVERT SECTIONS
 Scale: H. 1" = 10'
 V. 1" = 10'

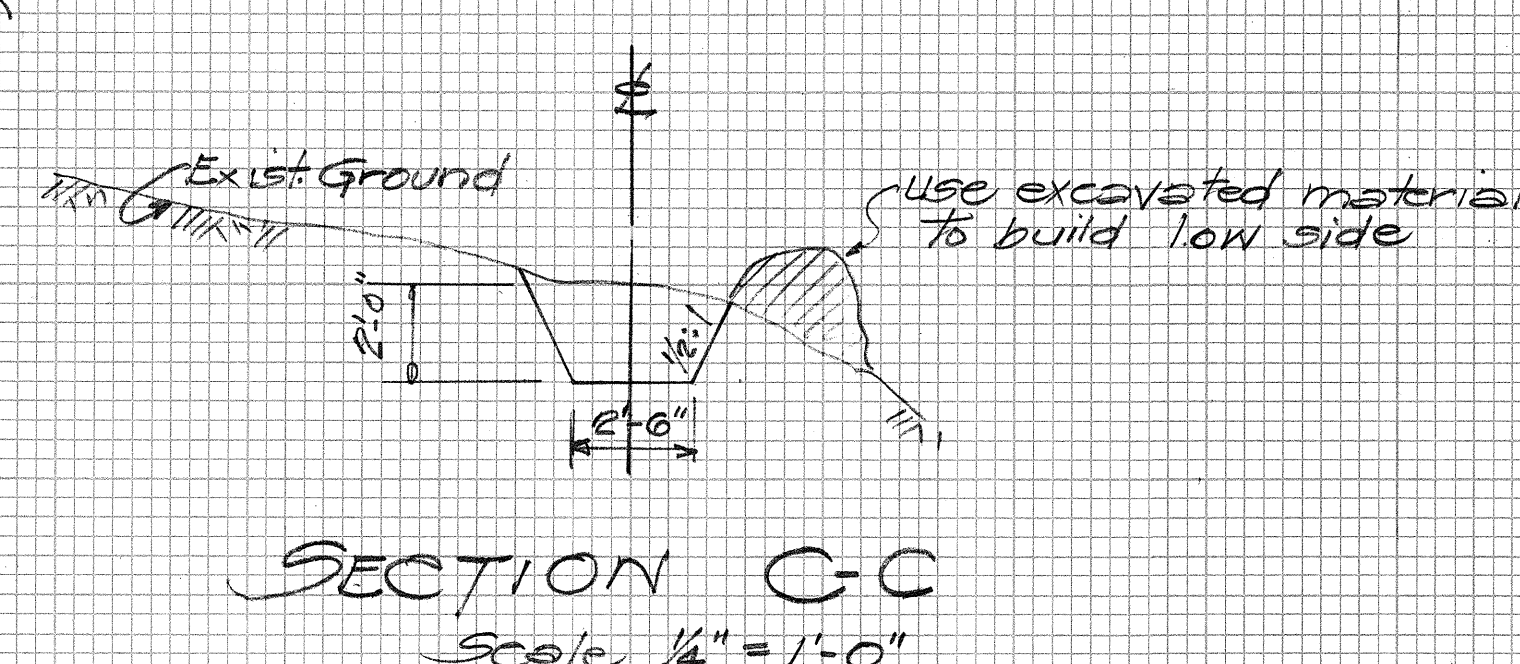
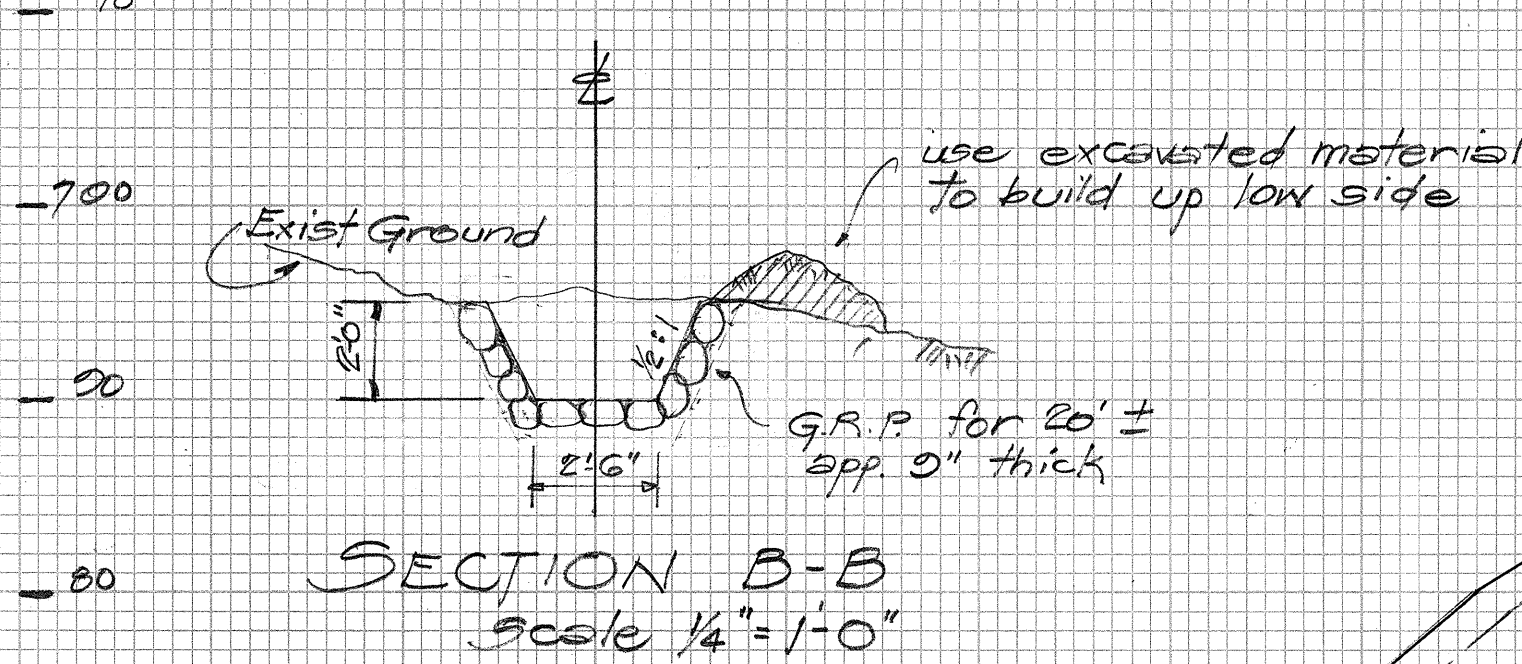
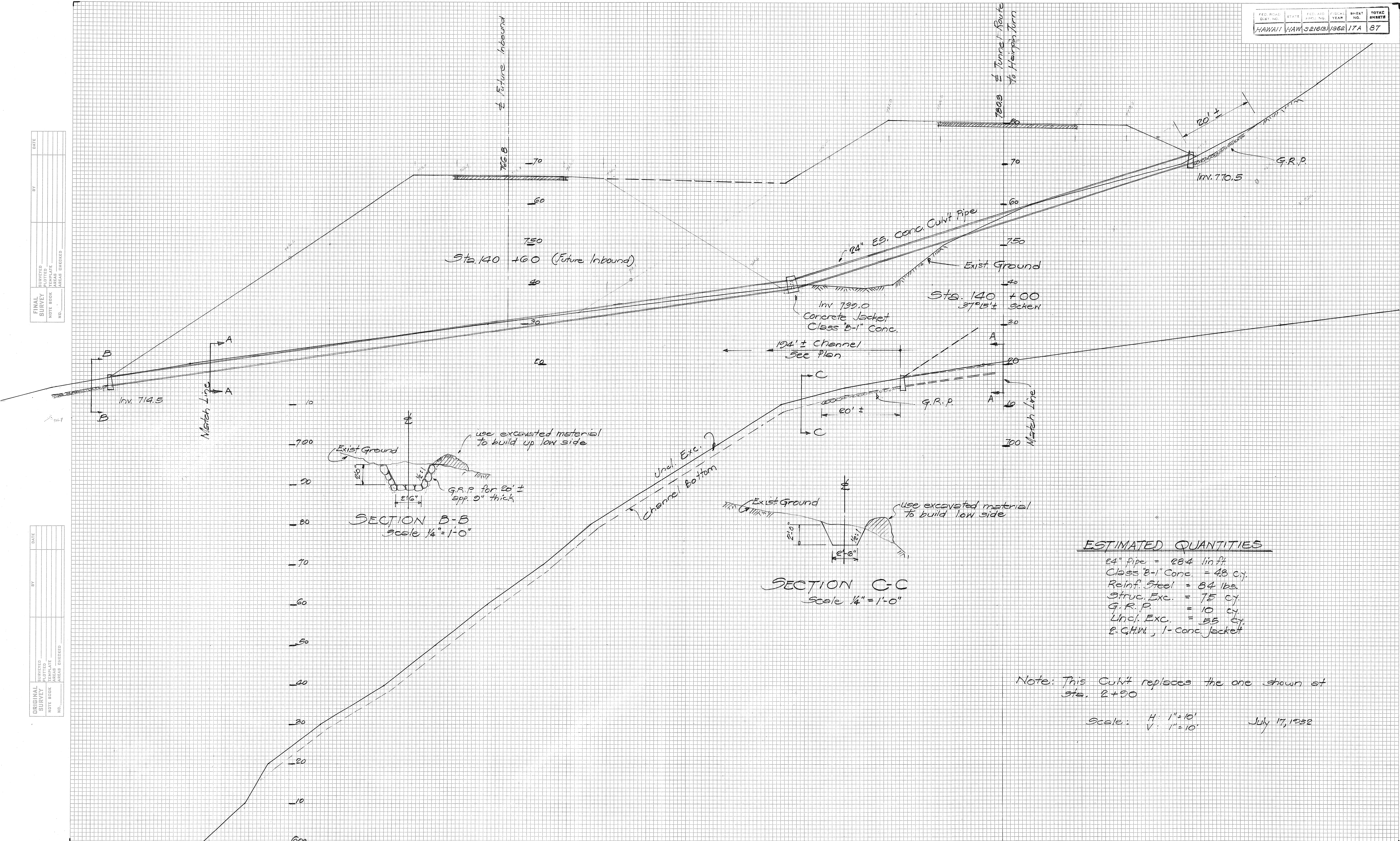
NOTE!
 1. These sections are here shown to give the contractor and Engineer a rough idea of the type of installation that is required for each culvert.
 2. The quantities are here repeated for easy reference.

EST. QUANTITIES
 2- C.H.W., 1- Conc. Jacket
 24" pipe = 222 Lin. ft.
 Class "B-1" Conc. = 4.8 cy.
 Reinf. Steel = 84 lbs.
 Struct. Exc. = 7.7 cy.
 Note: see sheet No. 17A for new culv. etc. and quantities.

STA. 24+00 (connection)
 13° skew
 see sheet No. 17A

FINAL SURVEY
BY
DATE
SURVEYED
NOTED
DATE
NOTE BOOK
NO.
AREAS CHECKED

ORIGINAL SURVEY
BY
DATE
SURVEYED
NOTED
DATE
NOTE BOOK
NO.
AREAS CHECKED



ESTIMATED QUANTITIES

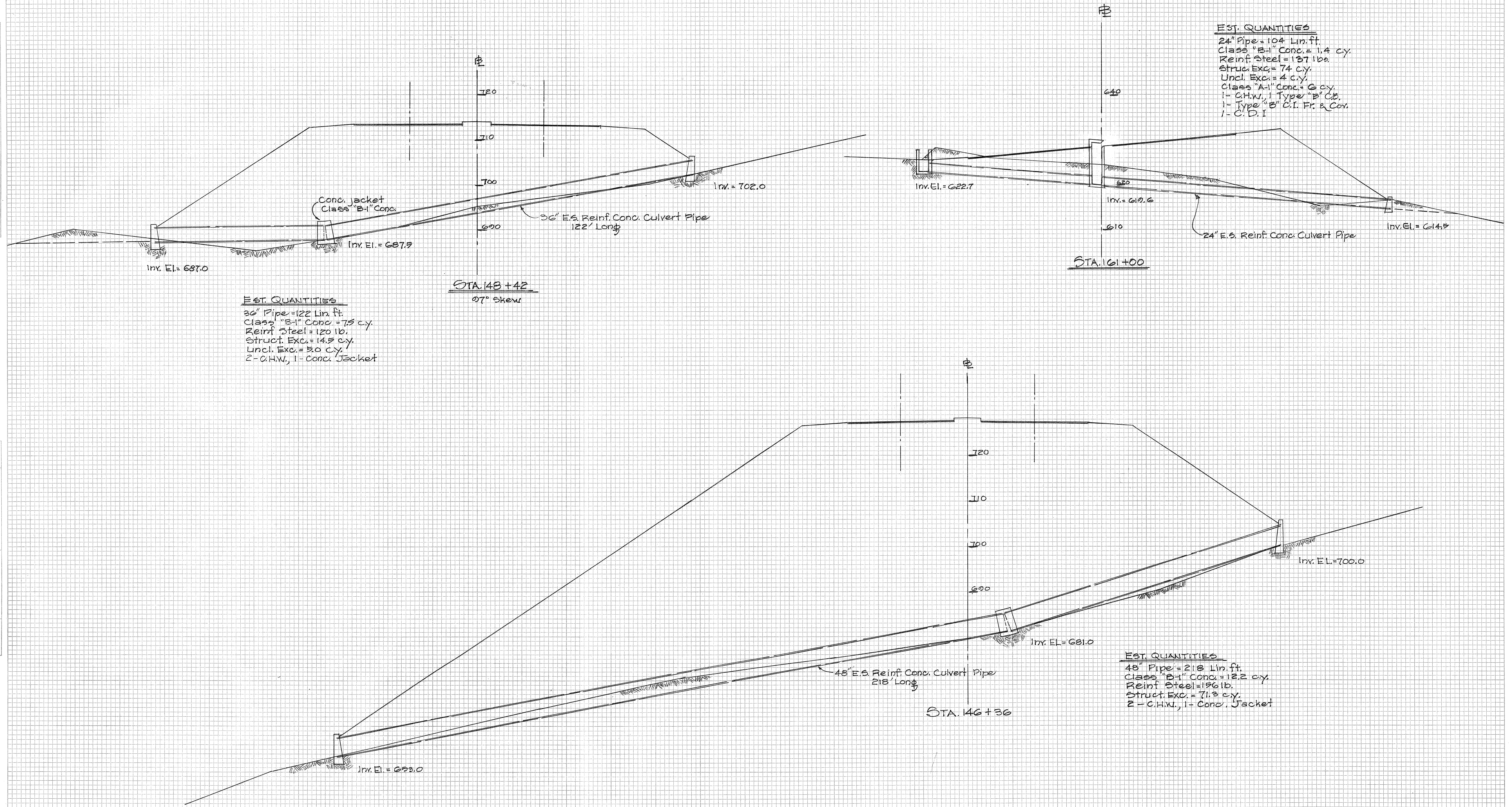
- 24" pipe = 284 lin ft
- Class B-1" Conc. = 48 cy.
- Reinf. Steel = 84 lbs.
- Struc. Exc. = 75 cy.
- G.R.P. = 10 cy.
- Und. Exc. = 55 cy.
- E.C.H.W., 1- Conc. Jacket

Note: This Culvt replaces the one shown at Sta. 2+90

Scale: H. 1" = 10'
V. 1" = 10' July 17, 1952

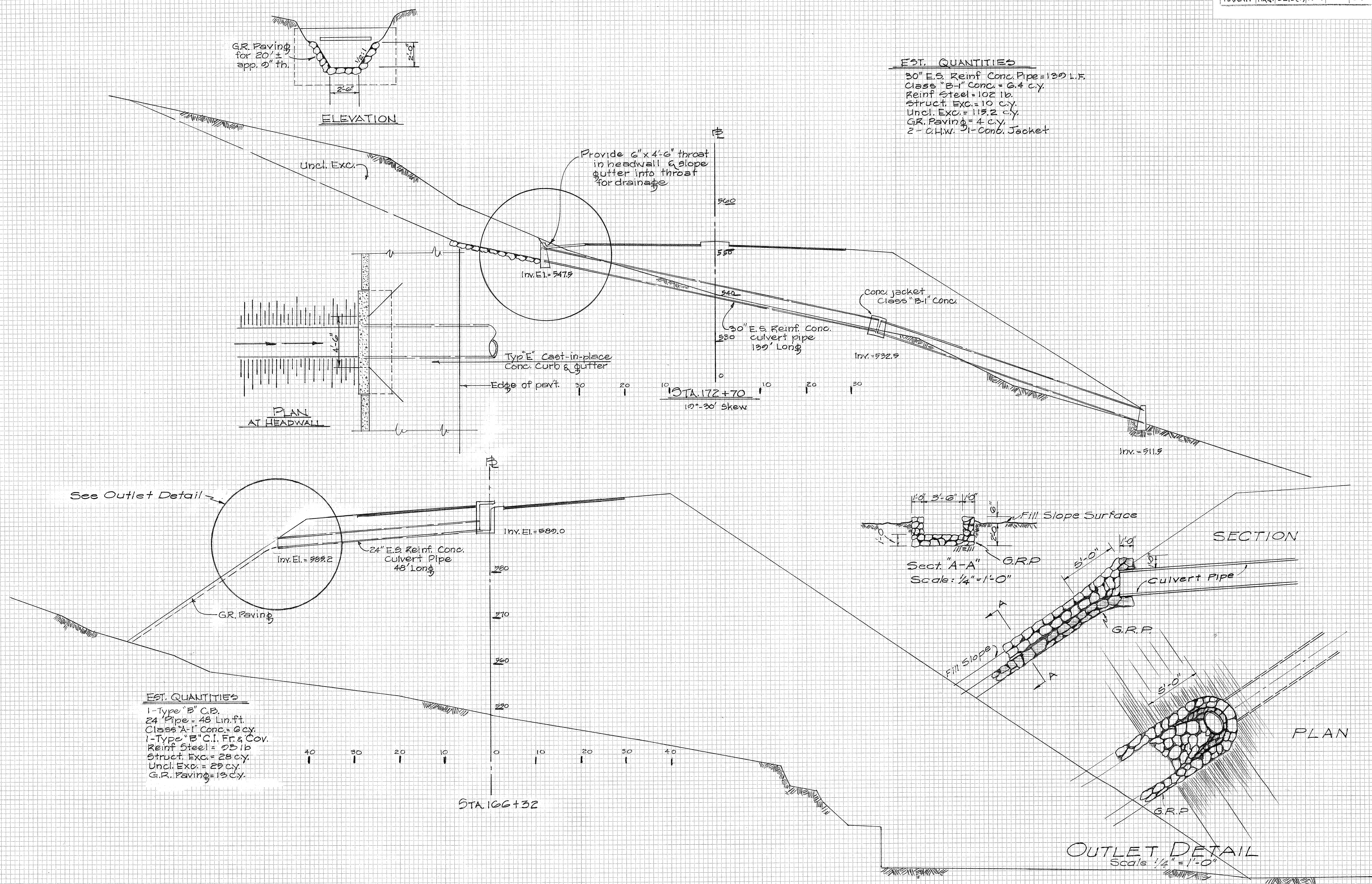
DATE _____ BY _____
 SURVEYED _____
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 NOTE BOOK _____
 AREAS CHECKED _____
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DATE _____ BY _____
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 NOTE BOOK _____
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DATE _____ BY _____
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 NO. _____ AREAS CHECKED _____

DATE _____ BY _____
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EST. QUANTITIES

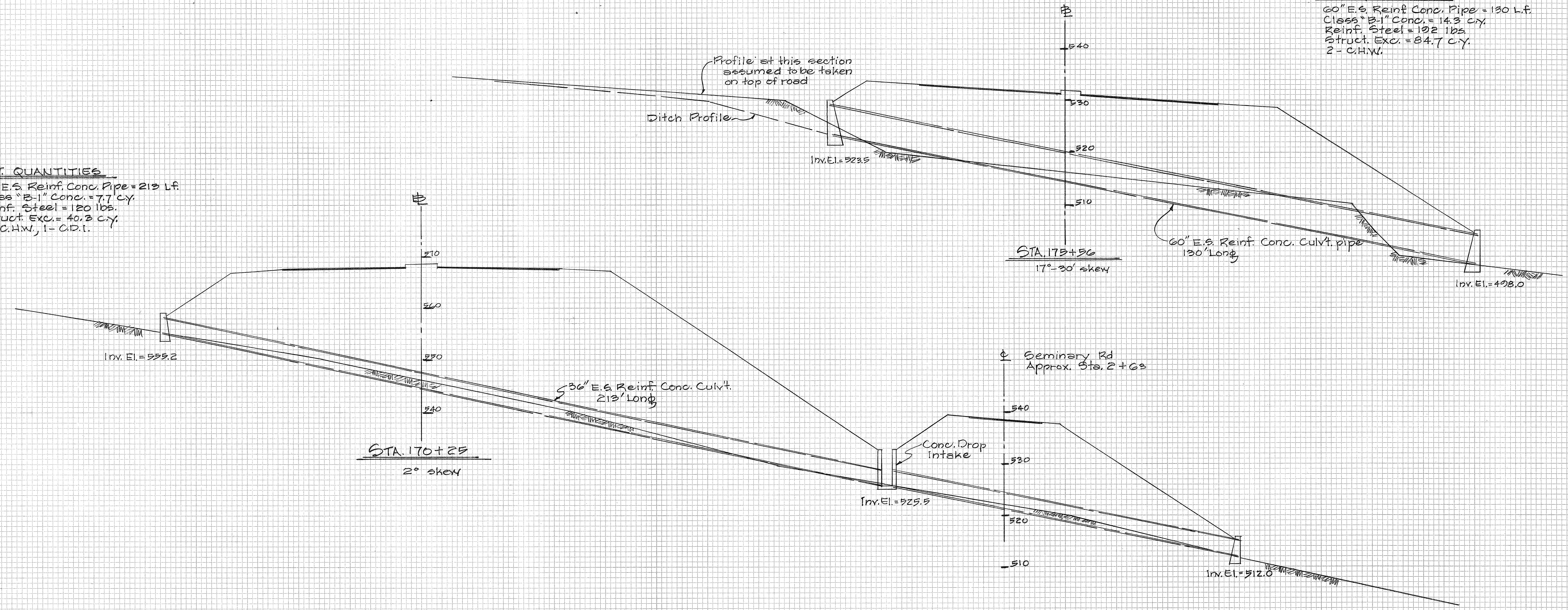
30" E.S. Reinf. Conc. Pipe = 130 L.F.
 Class "B-1" Conc. = 6.4 c.y.
 Reinf. Steel = 102 lb.
 Struct. Exc. = 10 c.y.
 Uncl. Exc. = 115.2 c.y.
 GR. Paving = 4 c.y.
 2" C.H.W. 31" Conc. Jacket

EST. QUANTITIES

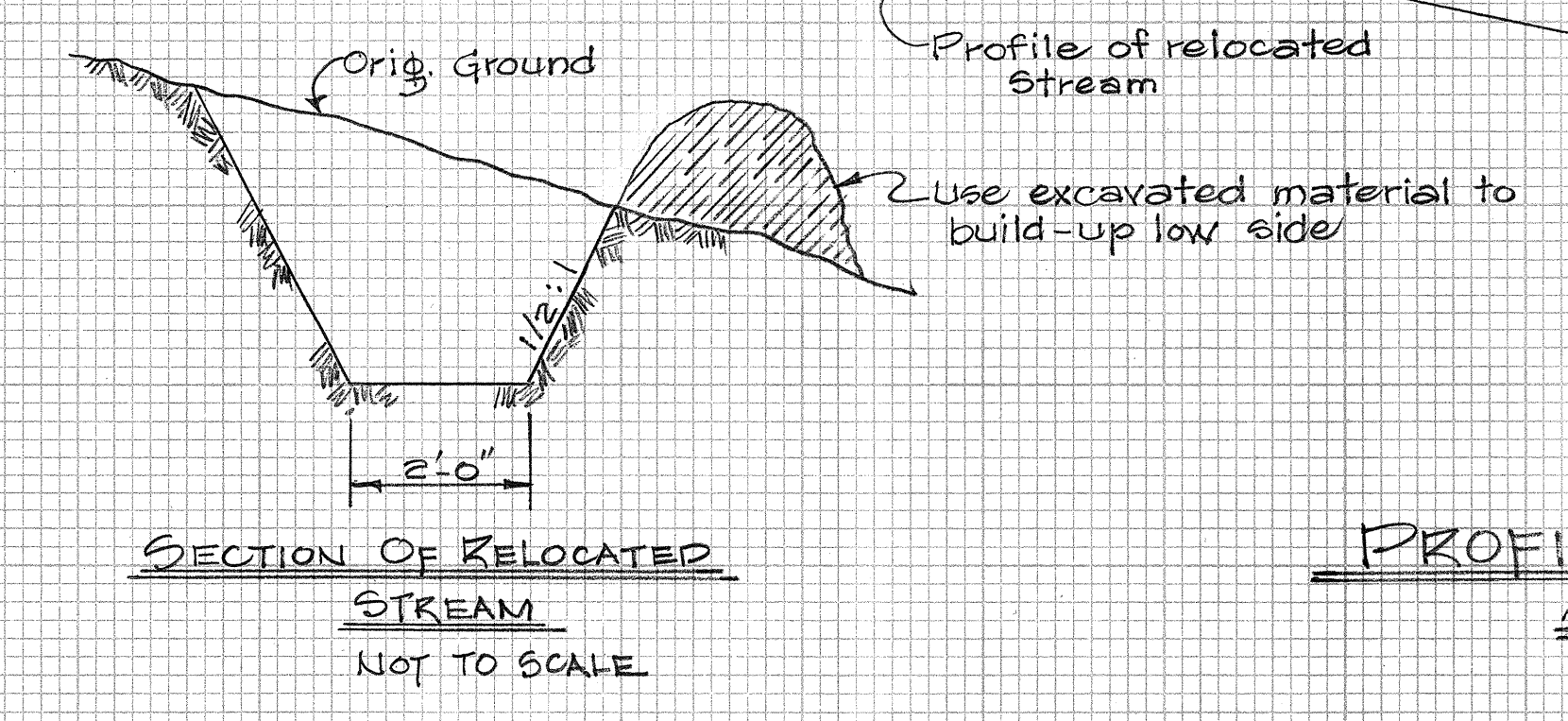
1-Type "B" C.B.
 24" Pipe = 48 Lin. ft.
 Class "A-1" Conc. = 6 c.y.
 1-Type "B" C.I. Fr. & Cov.
 Reinf. Steel = 55 lb.
 Struct. Exc. = 28 c.y.
 Uncl. Exc. = 28 c.y.
 G.R. Paving = 13 c.y.

EST. QUANTITIES
 36" E.S. Reinf. Conc. Pipe = 213 Lf.
 Class "B-1" Conc. = 7.7 cy.
 Reinf. Steel = 120 lbs.
 Struct. Exc. = 40.3 cy.
 2 - C.H.W., 1 - C.D.I.

EST. QUANTITIES
 60" E.S. Reinf. Conc. Pipe = 130 Lf.
 Class "B-1" Conc. = 14.3 cy.
 Reinf. Steel = 102 lbs.
 Struct. Exc. = 84.7 cy.
 2 - C.H.W.



EST. QUANTITIES
 Uncl. Exc. = 537 cy.



PROFILE OF RELOCATED STREAM
 AT APPROX. 80' LEFT OF ± MEDIAN
 STA. 168+12 TO 170+00
 Scale: Hor. 1"=10', Vert 1"=10'

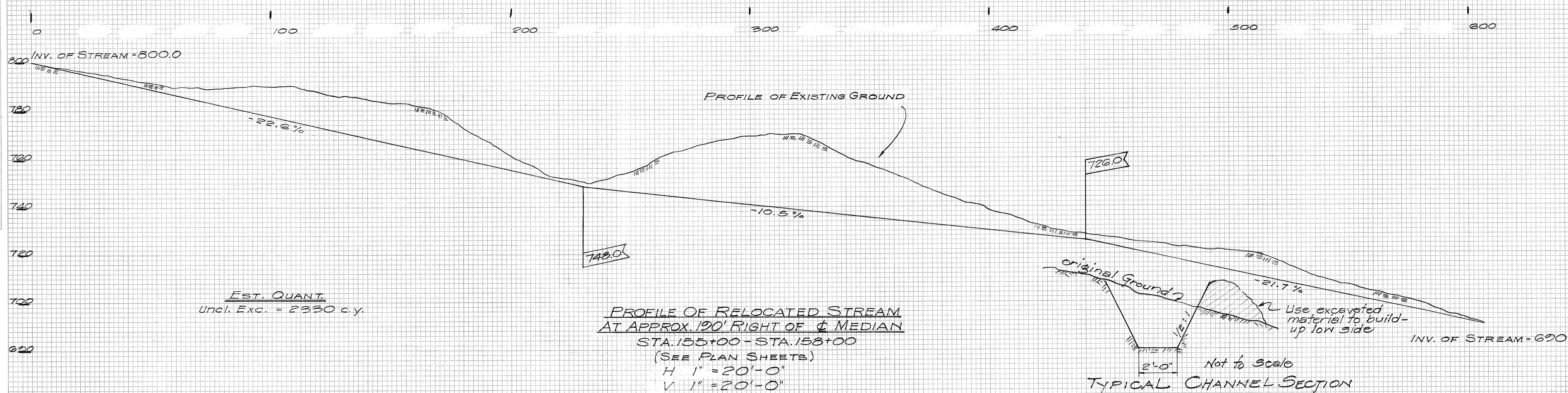
Inv. at 36" Pipe at Sta. 170+25 = 535.2

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
NO.	

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
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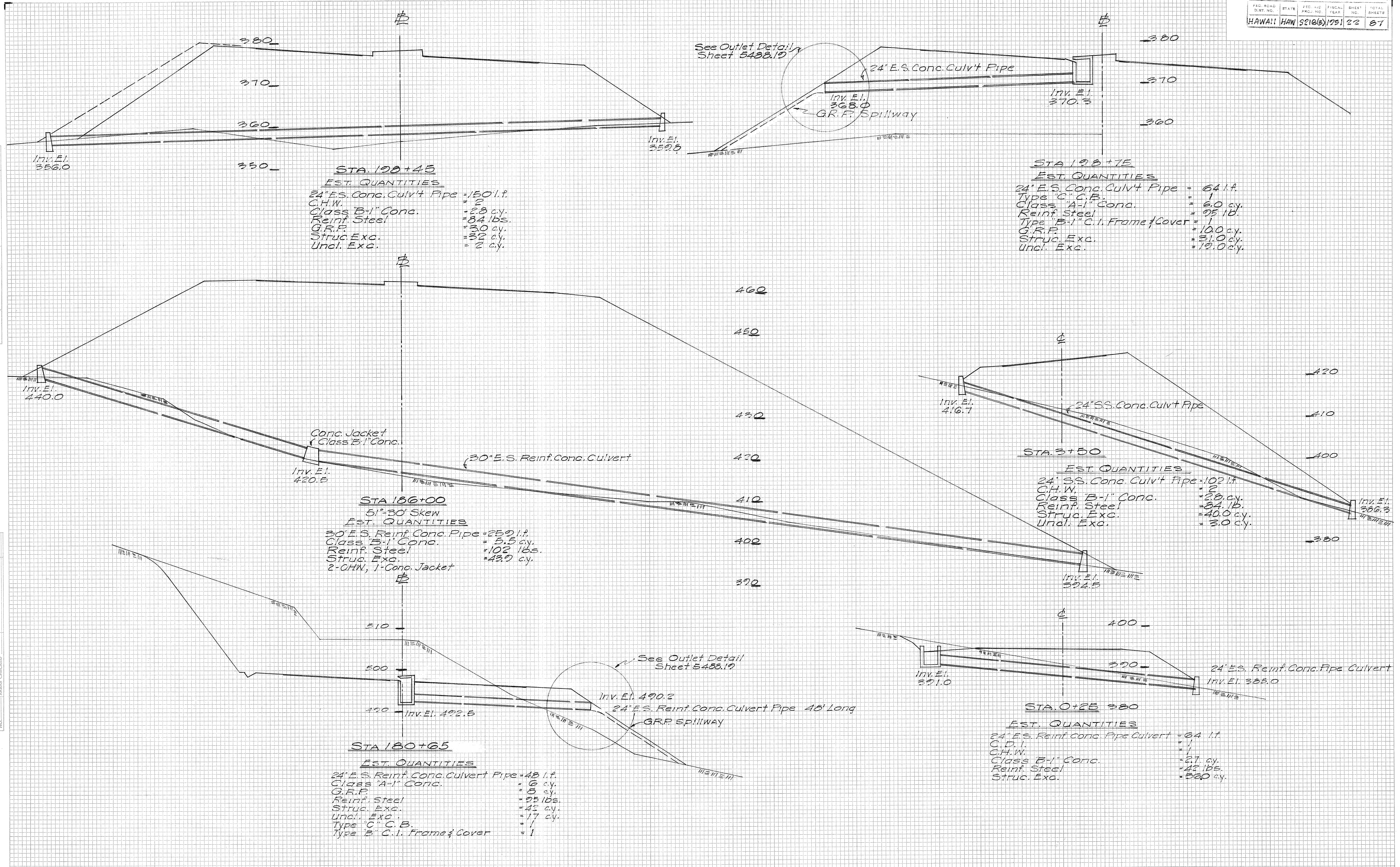
FINAL		BY	DATE
SURVEY			
SURVEY			
PLOTTED			
TEMPLATE			
AREAS			
NOTE BOOK			
NO.			
AREAS CHECKED			

ORIGINAL	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
CHECKED		



DATE _____ BY _____
 SURVEYED _____
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 CHECKED _____
 NO. _____

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 CHECKED _____
 NO. _____



STA 198+45
EST. QUANTITIES
 24" E.S. Conc. Culv't Pipe = 150 l.f.
 C.H.W. = 2
 Class B-1" Conc. = 28 c.y.
 Reinf. Steel = 84 lbs.
 G.R.P. = 30 c.y.
 Struc. Exc. = 32 c.y.
 Uncl. Exc. = 2 c.y.

STA 198+75
EST. QUANTITIES
 24" E.S. Conc. Culv't Pipe = 64 l.f.
 Type C" C.B. = 1
 Class A-1" Conc. = 6.0 c.y.
 Reinf. Steel = 95 lb.
 Type B-1" C.I. Frame & Cover = 1
 G.R.P. = 100 c.y.
 Struc. Exc. = 31.0 c.y.
 Uncl. Exc. = 19.0 c.y.

STA 186+00
 61'-30" Skew
EST. QUANTITIES
 30" E.S. Reinf. Conc. Pipe = 250 l.f.
 Class B-1" Conc. = 5.5 c.y.
 Reinf. Steel = 102 lbs.
 Struc. Exc. = 43.9 c.y.
 2-CHW, 1-Conc. Jacket

STA 186+50
EST. QUANTITIES
 24" SS. Conc. Culv't Pipe = 102 l.f.
 C.H.W. = 2
 Class B-1" Conc. = 28 c.y.
 Reinf. Steel = 84 lb.
 Struc. Exc. = 40.0 c.y.
 Uncl. Exc. = 3.0 c.y.

STA 180+65
EST. QUANTITIES
 24" E.S. Reinf. Conc. Culvert Pipe = 48 l.f.
 Class A-1" Conc. = 6 c.y.
 G.R.P. = 8 c.y.
 Reinf. Steel = 95 lbs.
 Struc. Exc. = 42 c.y.
 Uncl. Exc. = 17 c.y.
 Type C" C.B. = 1
 Type B" C.I. Frame & Cover = 1

STA 0+25
EST. QUANTITIES
 24" E.S. Reinf. Conc. Pipe Culvert = 64 l.f.
 C.D.I. = 1
 C.H.W. = 1
 Class B-1" Conc. = 27 c.y.
 Reinf. Steel = 48 lbs.
 Struc. Exc. = 360 c.y.