

FINAL SURVEY NOTE BOOK No. \_\_\_\_\_

DATE \_\_\_\_\_

BY \_\_\_\_\_

REVISIONS

NO. DATE DESCRIPTION

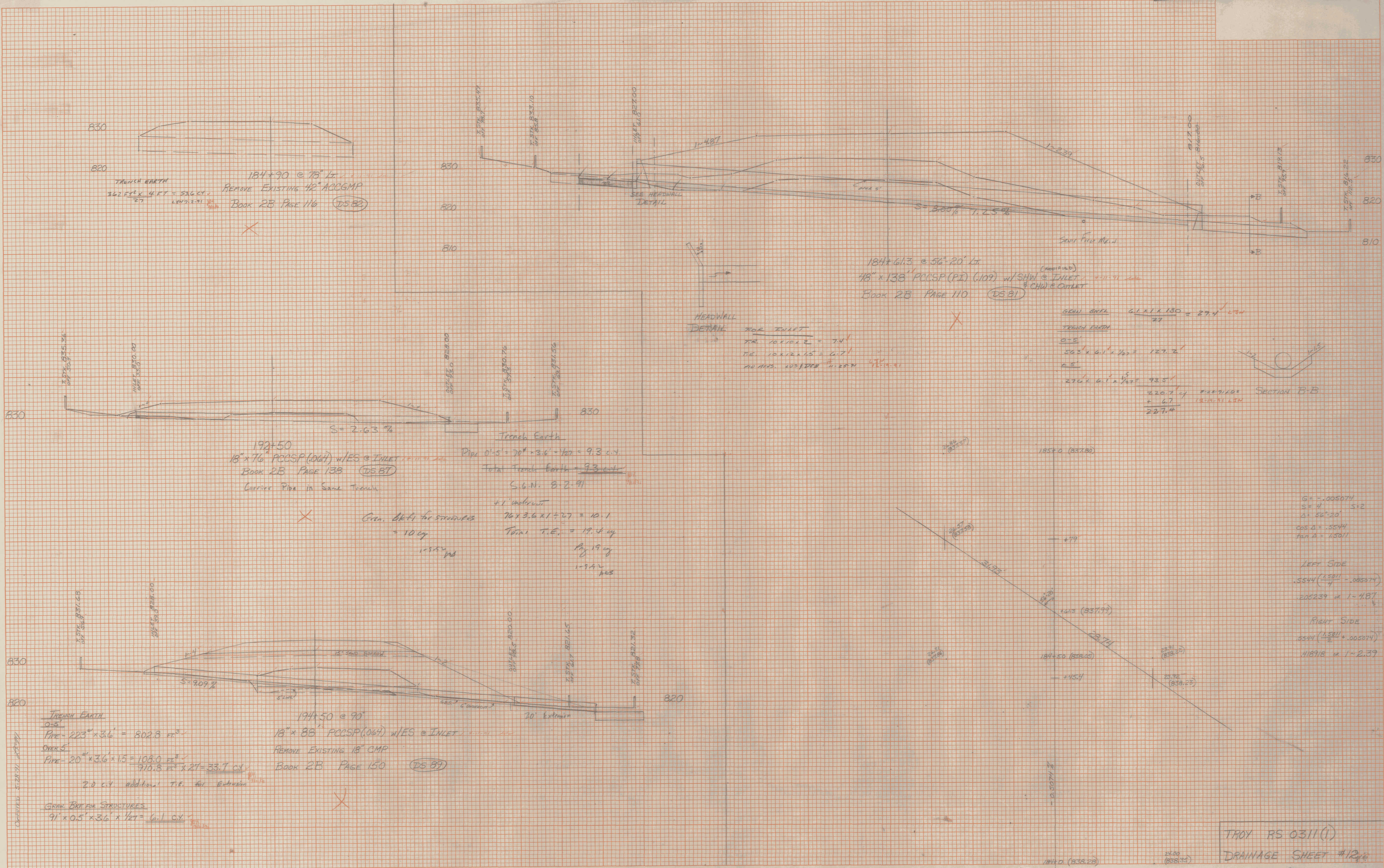
ORIGINAL SURVEY NOTE BOOK No. \_\_\_\_\_

DATE \_\_\_\_\_

BY \_\_\_\_\_

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184+90 @ 78' Lt.  
 REMOVE EXISTING 42" ACCGMP  
 TRENCH EARTH  
 347.51' x 4 FT = 586.42' cu ft  
 1.47 x 2.91 = 4.27  
 Book 2B Page 116 (DS 82)

184+61.3 @ 56'-20' Lt.  
 18" x 138" PCCSP (PI) (109) w/ SHW @ INLET  
 Book 2B Page 110 (DS 81)

192+50  
 18" x 76" PCCSP (064) w/ ES @ INLET  
 Book 2B Page 138 (DS 87)  
 Carrier Pipe in Same Trench

Pipe 0'-5" = 20' x 3.6' x 1/2" = 9.3 cu ft  
 Total Trench Earth = 93 cu ft  
 S.G.M. 8-2-91  
 +1' undervent  
 76 x 3.6 x 1/2 = 27 = 10.1  
 Total T.E. = 19.4 cu ft  
 1.94 cu ft  
 1.94 cu ft

Gran. Bk for structures  
 = 10 cu ft

TRENCH EARTH  
 O-S  
 PIPE - 223' x 3.6' = 802.3 cu ft  
 OVER 5  
 PIPE - 20' x 3.6' x 1.5' = 108.0 cu ft  
 910.8 cu ft x 21 = 33.7 cu ft  
 20 cu ft additional T.E. for Extension

174+50 @ 90'  
 18" x 88" PCCSP (064) w/ ES @ INLET  
 REMOVE EXISTING 18" CMP  
 Book 2B Page 150 (DS 81)

Gran. Bk for structures  
 91' x 0.5' x 3.6' x 1/2" = 6 cu ft

HEADWALL  
 DETAIL FOR INLET  
 TR 10 x 12 x 2 = 7.4  
 TR 10 x 12 x 1.5 = 4.7  
 TR 10 x 12 x 1.5 = 4.7

SECTION B-B  
 GRAN. BK 6.1 x 1 x 130 = 27.4 cu ft  
 TRENCH EARTH  
 O-S  
 56.5' x 6.1' x 1/2" = 127.2  
 270' x 6.1' x 1/2" = 93.5  
 220.7 cu ft + 27.4 cu ft = 248.1 cu ft  
 19.7 cu ft x 21 = 413.7 cu ft  
 227.4 cu ft

G = -.005074  
 S = 4  
 Δ = 56'-20"  
 cos Δ = .5544  
 tan Δ = 1.5011

LEFT SIDE  
 .5544 (1.5011 - .005074)  
 205.239 x 1 = 4.87

RIGHT SIDE  
 .5544 (1.5011 + .005074)  
 418.918 x 1 = 2.39