

ESTIMATED ROADWORK QUANTITIES

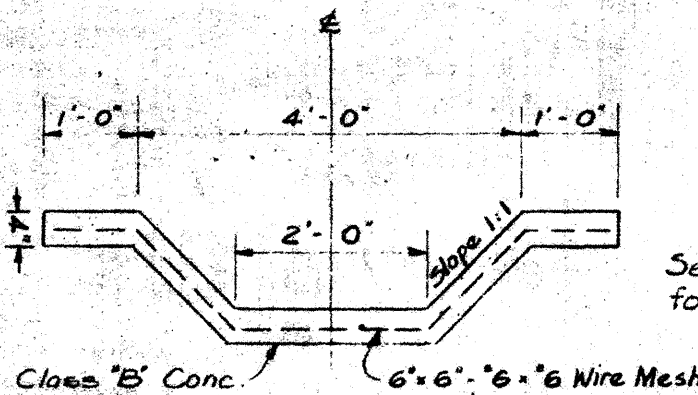
Excavation: 500 yd.³
 Embankment: 6500 yd.³
 A.C. pavement: 3044 sq. yd.
 Base course: 3044 sq. yd.
 Conc. pavemnt: 635 sq. yd.
 Type "B" curb: 839 ft.
 Type "C" curb: 427 ft.
 Type "AG" curb: 120 ft.
 Type "E" gutter: 212 ft.
 C.R.M. wall: 675 cu. yd.
 Guard rail: 135 ft.
 Conc. Ditch: 290 ft.
 Conc. Sidewalk: 215 sq. yd.

2ND BORE
 CURVE DATA #1
 $\Delta = 61^{\circ} 45' 00''$
 $\frac{1}{2}\Delta = 30^{\circ} 52' 30''$
 $R = 434.00$
 $T = 250.43$
 $C = 445.43$
 $Lc = 467.74$

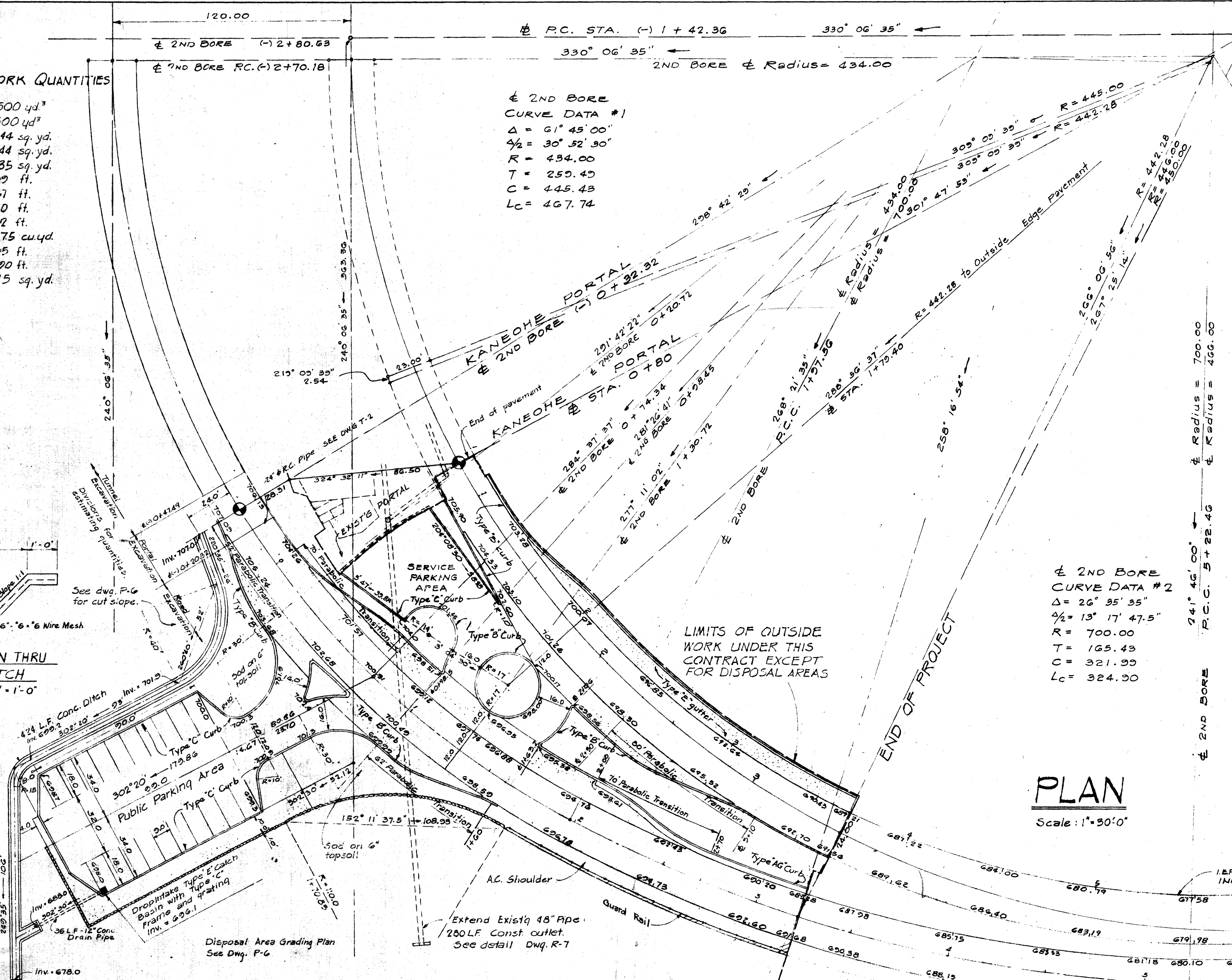
CURVE DATA #1
 $\Delta = 122^{\circ} 20' 35''$
 $\frac{1}{2}\Delta = 61^{\circ} 10' 17.5''$
 $R = 450.00$
 $T = 817.58$
 $C = 788.46$
 $Lc = 960.88$

INSIDE EDGE PAVEMENT
 CURVE DATA
 $\Delta = 122^{\circ} 20' 35''$
 $\frac{1}{2}\Delta = 61^{\circ} 10' 17.5''$
 $R = 422.00$
 $T = 766.71$
 $C = 739.40$
 $Lc = 901.09$

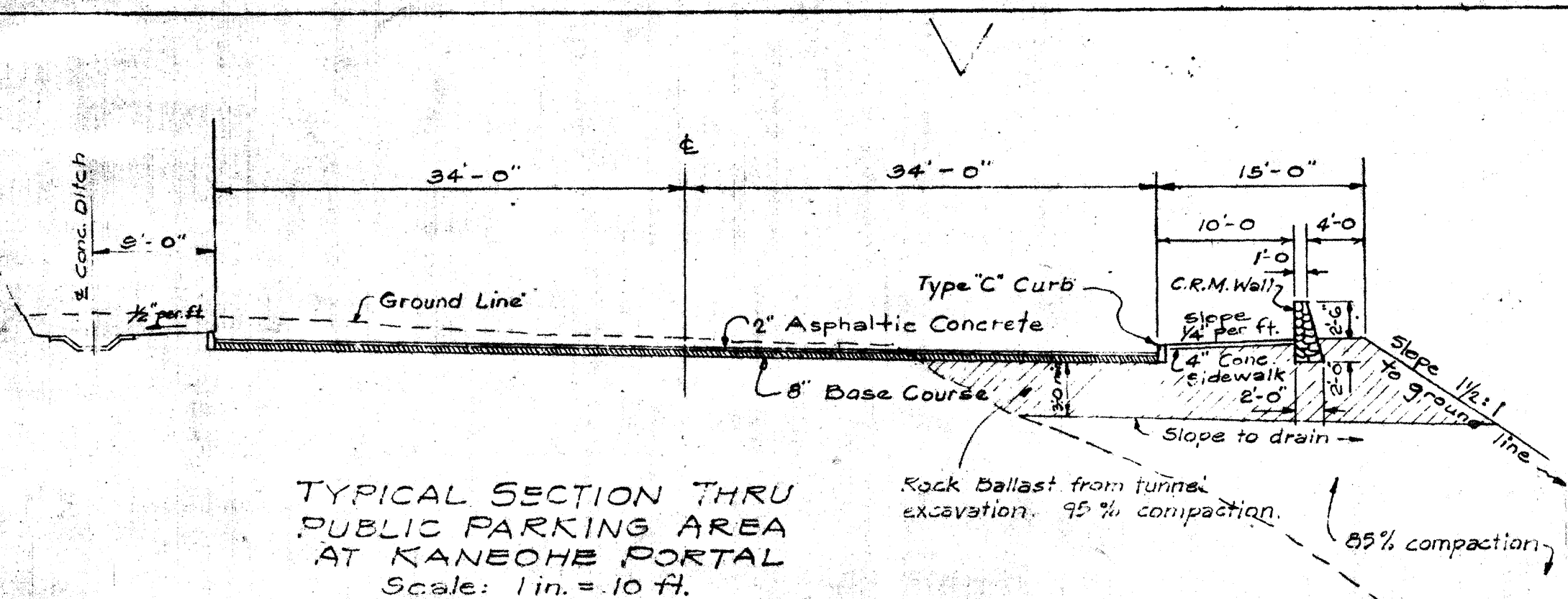
OUTSIDE EDGE PAVEMENT
 CURVE DATA #2
 $\Delta = 43^{\circ} 02' 43''$
 $\frac{1}{2}\Delta = 21^{\circ} 31' 21.5''$
 $R = 442.28$
 $T = 174.42$
 $C = 324.52$
 $Lc = 332.28$



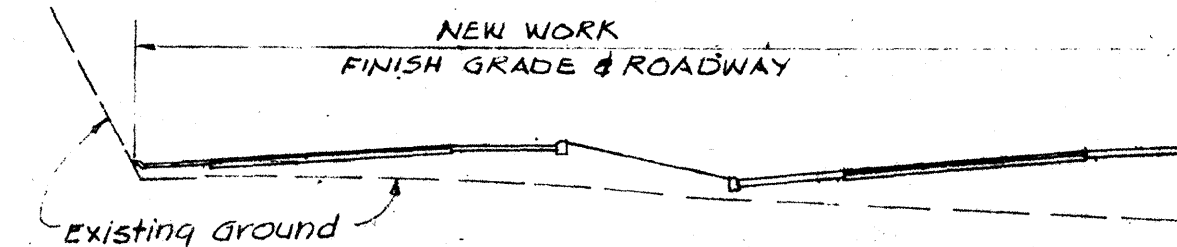
TYPICAL SECTION THRU
 CONCRETE DITCH
 SCALE: 1/2" = 1'-0"



PLAN
 Scale: 1" = 30'-0"



TYPICAL SECTION THRU
 PUBLIC PARKING AREA
 AT KANEOHE PORTAL
 Scale: 1 in. = 10 ft.



ROADWAY WORK LIMITS
 1" = 20'-0"

NOTE:
 Earthwork quantities shown
 on this sheet are approximate
 only. Before construction begins,
 the Engineer will take cross
 sections to determine the actual
 quantities.

DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF HONOLULU BUREAU OF PLANS		
WILSON TUNNEL 2nd BORE KANEOHE APPROACH ROAD DETAILS AT PORTAL		
ENGINEER W. J. Kim	DATE 8-8-57	
DRAFTSMAN H. N.	CHECKED BY R. N. RoL	
SCALE	TRACER	
APPROVED [Signature]	APPROVED [Signature]	
CHIEF ENGINEER	BUREAU ENGINEER	
W. S.	PROFILE	C. B.
C. B.	F. S.	S. B.
W. M. BY	F. W. BY	S. BY
JOB NO. 13-57		DWG. NO. R-6