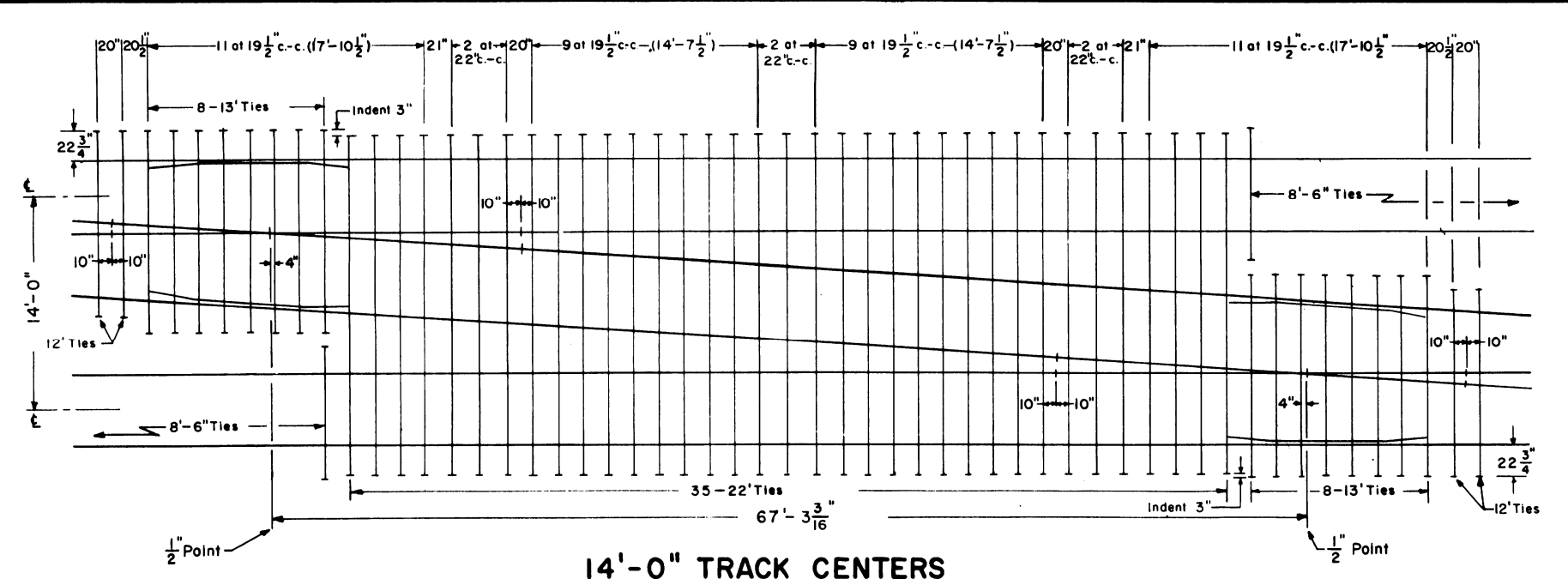
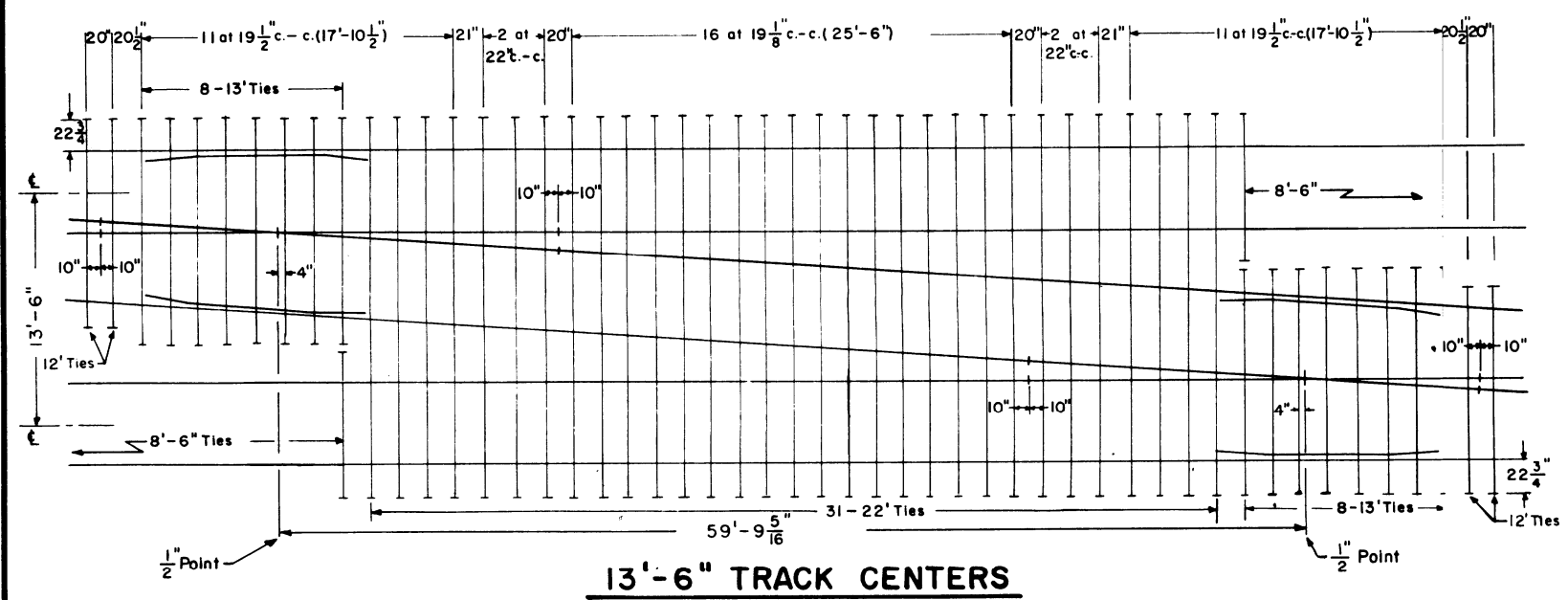


13'-0" TRACK CENTERS



14'-0" TRACK CENTERS



13'-6" TRACK CENTERS

SWITCH TIMBER FOR A CROSSOVER

TRACK CENTERS	TIMBER LENGTHS						
	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	21'-0"	22'-0"
ACCT. & REF. NOS.	05-061500	05-062508	05-063506	05-064504	05-065501	05-071509	05-072507
13'-0"	50	30	22	18	⊕ 18	28	—
13'-6"	"	"	"	"	⊕ 20	—	31
14'-0"	"	"	"	"	⊕ 20	—	35

⊕ Includes 4 headblock ties

For every 1" change in track centers, the horizontal distance between 1/2" frog points will increase 15" (approx.)

For turnout see C.R. Plan 73194-()

Frog Angle = 3°-49'-06"
 Toe Length = 10'-4"
 Heel Length = 16'-4"
 Total Length = 26'-8"

CONRAIL 73190-A

STANDARD
No. 15 CROSSOVER
 TIE LAYOUT FOR 13', 13'-6" and 14' TRACK CENTERS
 .132 R.E. RAIL
 JUNE, 1979

R.H. Smith
Chief Engineer - Maintenance of Way
A.B. Gordon
Chief Engineering Officer