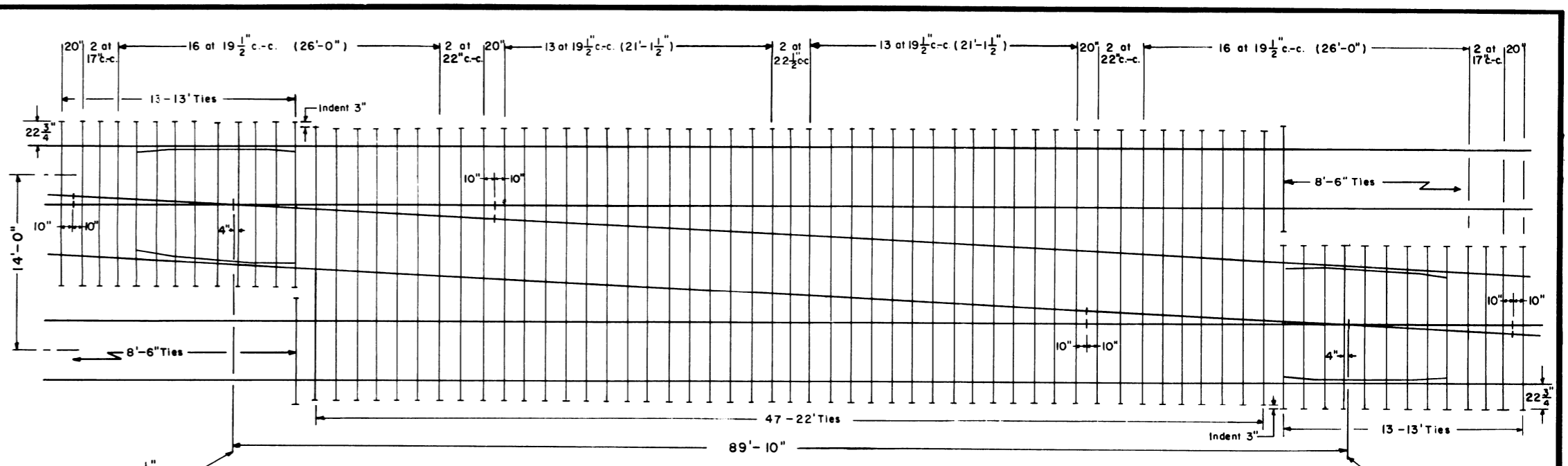
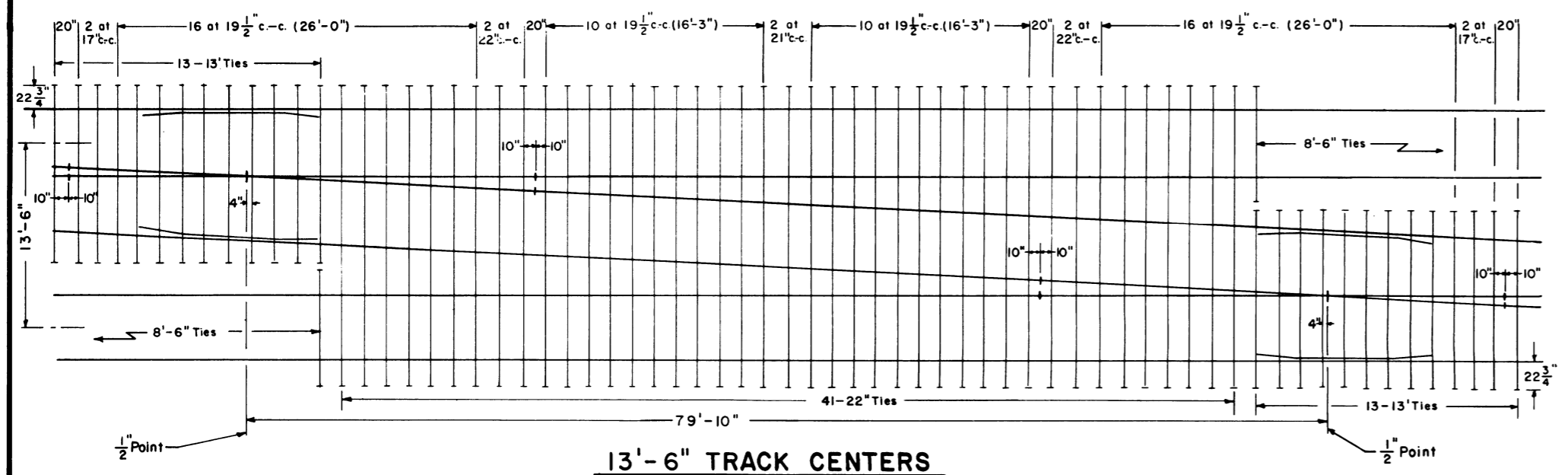


13'-0" TRACK CENTERS



14'-0" TRACK CENTERS



13'-6" TRACK CENTERS

Frog Angle = 2°-51'-51"
 Toe Length = 13'-1"
 Heel Length = 21'-1"
 Total Length = 34'-2"

For turnout see C.R. Plan 73195-().

For every 1" change in track centers, the horizontal distance between 1/2" frog points will increase 20."

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	05-61500	05-062508	05-063506	05-064504	05-065501	05-071509	05-072507
13'-0"	64	52	24	24	32	35	—
13'-6"	"	"	"	"	32	—	43
14'-0"	"	"	"	"	34	—	47

⊕ Includes 4 headblock ties

CONRAIL 73191-A

STANDARD
No. 20 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
B.G. Gordon
Chief Engineering Officer