

$\pi @ \begin{pmatrix} 31 & 32 \\ 6 & 5 \end{pmatrix}$ 12-6-83
 STA. D&R Circle Rdg. Mean
 $\begin{pmatrix} 32 \\ 5 \end{pmatrix}$ D $0^{\circ} 00' 11''$ 13"
 R $180^{\circ} 00' 15''$
 $\begin{pmatrix} 31 \\ 6 \end{pmatrix}$ D $179^{\circ} 12' 08''$ 07"
 (hub for) R $359^{\circ} 12' 06''$
 M = $179^{\circ} 11' 54''$
 $\begin{pmatrix} 32 \\ 5 \end{pmatrix}$ D $90^{\circ} 05' 42''$ 42"
 R $270^{\circ} 05' 42''$
 $\begin{pmatrix} 31 \\ 6 \end{pmatrix}$ D $269^{\circ} 17' 36''$ 33"
 R $89^{\circ} 17' 30''$
 M = $179^{\circ} 11' 51''$ F = $179^{\circ} 11' 52.3''$
 Hor. Dist. to $\begin{pmatrix} 31 \\ 6 \end{pmatrix}$ (hub) = 2,702.50'
 Hor. Dist. to $\begin{pmatrix} 31 & 32 \\ 6 & 5 \end{pmatrix}$ (hub) = 2,649.01'
 Hor. Dist. to $\begin{pmatrix} 32 \\ 5 \end{pmatrix}$ = 2,698.19'

$\pi @ \begin{pmatrix} 31 & 32 \\ 6 & 5 \end{pmatrix}$ (hub)
 $\begin{pmatrix} 31 & 32 \\ 6 & 5 \end{pmatrix}$ D $0^{\circ} 00' 10''$ 08"
 R $180^{\circ} 00' 06''$
 $\begin{pmatrix} 30 & 29 \\ 31 & 32 \end{pmatrix}$ D $179^{\circ} 52' 23''$ 16"
 R $359^{\circ} 52' 09''$
 M = $179^{\circ} 52' 08''$
 $\begin{pmatrix} 31 & 32 \\ 6 & 5 \end{pmatrix}$ D $90^{\circ} 05' 39''$ 34.5"
 R $270^{\circ} 05' 30''$
 $\begin{pmatrix} 30 & 29 \\ 31 & 32 \end{pmatrix}$ D $269^{\circ} 57' 46''$ 41.5"
 R $89^{\circ} 57' 37''$
 M = $179^{\circ} 52' 07''$ F = $179^{\circ} 52' 07.5''$
 Hor. Dist. to $\begin{pmatrix} 31 & 32 \\ 6 & 5 \end{pmatrix}$ = 2,648.98'
 Hor. Dist. to $\begin{pmatrix} 30 & 29 \\ 31 & 32 \end{pmatrix}$ = 2,647.20'

Hillier, Holmes $\pi @ \begin{pmatrix} 32 \\ 5 \end{pmatrix}$ 12-7-83
 $\begin{pmatrix} 31 & 32 \\ 6 & 5 \end{pmatrix}$ D $0^{\circ} 00' 11''$ 04.5"
 R $179^{\circ} 59' 58''$
 $\begin{pmatrix} 32 & 33 \\ 5 & 4 \end{pmatrix}$ D $180^{\circ} 38' 45''$ 38.5"
 R $0^{\circ} 38' 32''$
 M = $180^{\circ} 38' 34''$