

PERMANENT WAY  
NOTES.

OFFSETS (5)

910'-1600'  
RADIUS

RADIUS	T A N G E N T L E N G T H (T)										RADIUS
R	20'	40'	60'	80'	100'	120'	140'	160'	180'	200'	R
910'	2 3/4"	10 1/2"	1'-11 3/4"	3'-6 1/2"	5'-6 1/4"	7'-11 1/2"	10'-10"	14'-2 1/4"	17'-11 3/4"	22'-3"	910
920'	2 3/4"	10 1/2"	1'-11 1/2"	3'-6"	5'-5 1/2"	7'-10 3/4"	10'-8 3/4"	14'-0 1/4"	17'-9 1/4"	22'-0"	920
930'	2 3/4"	10 1/4"	1'-11 1/4"	3'-5 1/2"	5'-4 3/4"	7'-9 1/4"	10'-7 1/4"	13'-10 1/2"	17'-7"	21'-9"	930
940'	2 1/2"	10 1/4"	1'-11"	3'-5"	5'-4"	7'-8 3/4"	10'-5 3/4"	13'-8 3/4"	17'-4 3/4"	21'-6 1/4"	940
950'	2 1/2"	10"	1'-10 3/4"	3'-4 1/2"	5'-3 1/2"	7'-7 1/4"	10'-4 1/2"	13'-7"	17'-2 1/2"	21'-3 1/2"	950
960'	2 1/2"	10"	1'-10 1/2"	3'-4"	5'-2 3/4"	7'-6 1/2"	10'-3 1/4"	13'-5 1/4"	17'-0 1/4"	21'-0 3/4"	960
970'	2 1/2"	10"	1'-10 1/4"	3'-3 3/4"	5'-2"	7'-5 1/2"	10'-2"	13'-3 1/2"	16'-10 1/4"	20'-10 1/4"	970
980'	2 1/2"	9 3/4"	1'-10"	3'-3 1/4"	5'-1 1/2"	7'-4 1/2"	10'-0 3/4"	13'-1 3/4"	16'-8"	20'-7 1/2"	980
990'	2 1/2"	9 3/4"	1'-9 3/4"	3'-3"	5'-0 3/4"	7'-3 1/2"	9'-11 1/2"	13'-0 1/4"	16'-6"	20'-5"	990
1000'	2 1/2"	9 1/2"	1'-9 1/2"	3'-2 1/2"	5'-0"	7'-2 3/4"	9'-10 1/4"	12'-10 1/2"	16'-4"	20'-2 1/2"	1000
RADIUS	T A N G E N T L E N G T H (T)										RADI
R	40'	80'	120'	160'	200'	240'	280'	320'	360'	400'	F
1020'	9 1/2"	3'-1 3/4"	7'-1"	12'-7 1/2"	19'-9 1/2"	28'-7 3/4"	39'-2 1/4"	51'-6"	65'-7 3/4"	81'-8 1/2"	1020
1040'	9 1/4"	3'-1"	6'-11 1/2"	12'-4 1/2"	19'-5"	28'-1"	38'-5"	50'-5 1/2"	64'-3 1/2"	80'-0"	1040
1060'	9"	3'-0 1/4"	6'-9 1/4"	12'-1 1/4"	19'-0 1/2"	27'-6 1/2"	37'-7 1/4"	49'-5 1/2"	63'-0"	78'-4 1/2"	1060
1080'	9"	2'-11 3/4"	6'-8 1/4"	11'-11"	18'-8 1/4"	27'-0"	36'-11 1/4"	48'-6"	61'-9 1/4"	76'-9 3/4"	1080
1100'	8 3/4"	2'-11"	6'-6 3/4"	11'-8 1/2"	18'-4"	26'-6"	36'-2 3/4"	47'-7"	60'-7"	75'-3 3/4"	1100
1120'	8 1/2"	2'-10 1/4"	6'-5 1/2"	11'-6"	18'-0"	26'-0 1/4"	35'-6 3/4"	46'-8 1/4"	59'-5 1/4"	73'-10 1/2"	1120
1140'	8 1/2"	2'-9 1/4"	6'-4"	11'-3 1/2"	17'-8 1/4"	25'-6 1/2"	34'-11"	45'-10"	58'-4"	72'-5 3/4"	1140
1160'	8 1/2"	2'-9"	6'-2 3/4"	11'-1"	17'-4 1/2"	25'-1 1/4"	34'-3 1/2"	45'-0"	57'-3 1/2"	71'-1 1/2"	1160
1180'	8 1/4"	2'-8 1/2"	6'-1 1/2"	10'-10 3/4"	17'-1"	24'-8"	33'-8 1/2"	44'-2 1/2"	56'-3"	69'-10 1/2"	1180
1200'	8"	2'-8"	6'-0 1/4"	10'-8 1/2"	16'-9 1/4"	24'-3"	33'-1 1/2"	43'-5 1/2"	55'-3 1/4"	68'-7 1/2"	1200
1220'	8"	2'-7 1/2"	5'-11"	10'-6 1/2"	16'-6"	23'-10"	32'-6 3/4"	42'-8 1/2"	54'-4"	67'-5 1/2"	1220
1240'	7 3/4"	2'-7"	5'-9 3/4"	10'-4 1/2"	16'-3"	23'-5 1/2"	32'-0 1/4"	42'-0"	53'-5"	66'-3 1/2"	1240
1260'	7 1/2"	2'-6 1/2"	5'-8 1/4"	10'-2 1/2"	15'-11 1/4"	23'-0 3/4"	31'-6"	41'-3 1/4"	52'-6 1/2"	65'-2 1/2"	1260
1280'	7 1/2"	2'-6"	5'-7 1/4"	10'-0 1/2"	15'-9 3/4"	22'-8 1/2"	31'-0"	40'-7 1/2"	51'-8"	64'-1 1/4"	1280
1300'	7 1/4"	2'-5 1/2"	5'-6 1/2"	9'-10 1/2"	15'-5 1/4"	22'-4"	30'-6"	40'-0"	50'-10"	63'-0 1/4"	1300
1320'	7 1/4"	2'-5"	5'-5 1/2"	9'-8 3/4"	15'-3"	22'-0"	30'-0 1/2"	39'-4 1/2"	50'-0 1/2"	62'-1"	1320
1340'	7 1/4"	2'-4 1/2"	5'-4 1/2"	9'-7"	15'-0"	21'-8"	29'-7"	38'-9 1/4"	49'-3"	61'-1 1/4"	1340
1360'	7"	2'-4 1/4"	5'-3 1/2"	9'-5 1/4"	14'-9 1/2"	21'-4"	29'-1 1/2"	38'-2 1/4"	48'-6"	60'-2"	1360
1380'	7"	2'-3 3/4"	5'-2 3/4"	9'-3 1/2"	14'-6 3/4"	21'-0 1/2"	28'-8 1/2"	37'-7 1/4"	47'-7 1/4"	59'-3"	1380
1400'	6 3/4"	2'-3 1/2"	5'-1 3/4"	9'-2"	14'-4 3/4"	20'-8 3/4"	28'-3 1/2"	37'-0 3/4"	47'-1"	58'-4 1/4"	1400
1420'	6 3/4"	2'-3"	5'-1"	9'-0 1/2"	14'-2"	20'-5 1/4"	27'-10 1/2"	36'-6 1/4"	46'-4 1/4"	57'-6"	1420
1440'	6 3/4"	2'-2 3/4"	5'-0"	8'-11"	13'-11 1/2"	20'-1 1/4"	27'-5 3/4"	36'-0"	45'-8 3/4"	56'-8"	1440
1460'	6 1/2"	2'-2 1/2"	4'-11 1/4"	8'-9 1/2"	13'-9 1/4"	19'-10 1/4"	27'-1 1/4"	35'-6"	45'-1"	55'-10 1/2"	1460
1480'	6 1/2"	2'-2"	4'-10 1/2"	8'-8"	13'-7"	19'-7"	26'-8 3/4"	35'-0"	44'-5 1/2"	55'-1"	1480
1500'	6 1/4"	2'-1 1/2"	4'-9 3/4"	8'-6 3/4"	13'-4 3/4"	19'-4"	26'-4 1/2"	34'-6 1/2"	43'-10"	54'-3 1/2"	1500
1520'	6 1/4"	2'-1 1/4"	4'-9"	8'-5 1/2"	13'-2 3/4"	19'-1"	26'-0"	34'-0 1/2"	43'-3"	53'-7"	1520
1540'	6 1/4"	2'-1"	4'-8 1/4"	8'-4"	13'-0 1/2"	18'-9 3/4"	25'-8"	33'-7 1/4"	42'-8"	52'-10 1/2"	1540
1560'	6"	2'-0 1/2"	4'-7 1/2"	8'-2 3/4"	12'-10 1/2"	18'-6 3/4"	25'-4"	33'-2"	42'-1 1/2"	52'-2"	1560
1580'	6"	2'-0 1/4"	4'-7 1/4"	8'-1 1/2"	12'-8 1/4"	18'-4"	25'-0"	32'-9"	41'-6 1/4"	51'-3 1/4"	1580
1600'	6"	2'-0"	4'-6"	8'-0 1/4"	12'-6 1/2"	18'-1 1/4"	24'-8 1/4"	32'-3 1/2"	41'-0 1/2"	50'-9 1/4"	1600