

PERMANENT WAY
NOTES.

OFFSETS (7)

3050'-5000'
RADIU

RADIUS R	T A N G E N T L E N G T H (T)										RA I
	50'	100'	150'	200'	250'	300'	350'	400'	450'	500'	
3050'	5"	1'-7 ³ / ₄ "	3'-8 ¹ / ₄ "	6'-6 ³ / ₄ "	10'-3"	14'-9 ¹ / ₂ "	20'-1 ¹ / ₄ "	26'-4"	33'-4 ¹ / ₂ "	41'-3 ¹ / ₄ "	30
3100'	4 ³ / ₄ "	1'-7 ¹ / ₄ "	3'-7 ¹ / ₂ "	6'-5 ¹ / ₂ "	10'-1 ¹ / ₄ "	14'-6 ¹ / ₂ "	19'-9 ³ / ₄ "	25'-11"	32'-10"	40'-7"	31
3150'	4 ³ / ₄ "	1'-7"	3'-7"	6'-4 ¹ / ₄ "	9'-11 ¹ / ₄ "	14'-3 ³ / ₄ "	19'-6"	25'-6"	32'-3 ³ / ₄ "	39'-11 ¹ / ₄ "	31
3200'	4 ³ / ₄ "	1'-6 ³ / ₄ "	3'-6 ¹ / ₄ "	6'-3"	9'-9 ¹ / ₄ "	14'-1 ¹ / ₄ "	19'-2 ¹ / ₂ "	25'-1 ¹ / ₄ "	31'-9 ¹ / ₂ "	39'-3 ¹ / ₂ "	32
3250'	4 ³ / ₄ "	1'-6 ¹ / ₂ "	3'-5 ³ / ₄ "	6'-1 ³ / ₄ "	9'-7 ¹ / ₂ "	13'-10 ¹ / ₂ "	18'-10 ³ / ₄ "	24'-8 ¹ / ₂ "	31'-3 ¹ / ₂ "	38'-8 ¹ / ₄ "	32
3300'	4 ¹ / ₂ "	1'-6 ¹ / ₄ "	3'-5"	6'-0 ³ / ₄ "	9'-5 ³ / ₄ "	13'-8"	18'-7 ¹ / ₄ "	24'-4"	30'-10"	38'-1 ¹ / ₄ "	33
3350'	4 ¹ / ₂ "	1'-6"	3'-4 ¹ / ₄ "	5'-11 ³ / ₄ "	9'-4"	13'-5 ¹ / ₂ "	18'-4"	23'-11 ³ / ₄ "	30'-4 ¹ / ₄ "	37'-6 ¹ / ₄ "	33
3400'	4 ¹ / ₂ "	1'-5 ³ / ₄ "	3'-3 ³ / ₄ "	5'-10 ¹ / ₂ "	9'-2 ¹ / ₂ "	13'-3"	18'-0 ³ / ₄ "	23'-7 ¹ / ₄ "	29'-11"	36'-11 ³ / ₄ "	34
3450'	4 ¹ / ₄ "	1'-5 ¹ / ₂ "	3'-3 ¹ / ₄ "	5'-9 ¹ / ₂ "	9'-1"	13'-1"	17'-9 ¹ / ₂ "	23'-3 ¹ / ₄ "	29'-5 ³ / ₄ "	36'-5"	34
3500'	4 ¹ / ₄ "	1'-5 ¹ / ₄ "	3'-2 ³ / ₄ "	5'-8 ¹ / ₂ "	8'-11 ¹ / ₄ "	12'-10 ¹ / ₂ "	17'-6 ¹ / ₂ "	22'-11 ¹ / ₄ "	29'-0 ¹ / ₂ "	35'-10 ³ / ₄ "	35
3550'	4 ¹ / ₄ "	1'-5"	3'-2"	5'-7 ³ / ₄ "	8'-9 ³ / ₄ "	12'-8 ¹ / ₂ "	17'-3 ¹ / ₂ "	22'-7 ¹ / ₄ "	28'-7 ³ / ₄ "	35'-4 ³ / ₄ "	35
3600'	4 ¹ / ₄ "	1'-4 ³ / ₄ "	3'-1 ¹ / ₂ "	5'-6 ³ / ₄ "	8'-8 ¹ / ₄ "	12'-6 ¹ / ₄ "	17'-0 ³ / ₄ "	22'-3 ¹ / ₂ "	28'-3"	34'-10 ³ / ₄ "	36
3650'	4"	1'-4 ¹ / ₂ "	3'-1"	5'-5 ³ / ₄ "	8'-6 ³ / ₄ "	12'-4 ¹ / ₄ "	16'-9 ³ / ₄ "	22'-0"	27'-10 ¹ / ₄ "	34'-5"	36
3700'	4"	1'-4 ¹ / ₄ "	3'-0 ¹ / ₂ "	5'-5"	8'-5 ¹ / ₂ "	12'-2 ¹ / ₄ "	16'-7"	21'-8 ¹ / ₄ "	27'-5 ³ / ₄ "	33'-11 ¹ / ₄ "	37
3750'	4"	1'-4"	3'-0"	5'-4"	8'-4"	12'-0 ¹ / ₄ "	16'-4 ¹ / ₂ "	21'-4 ³ / ₄ "	27'-1 ¹ / ₄ "	33'-5 ³ / ₄ "	37
3800'	4"	1'-3 ³ / ₄ "	2'-11 ¹ / ₂ "	5'-3 ¹ / ₄ "	8'-2 ³ / ₄ "	11'-10 ¹ / ₄ "	16'-1 ³ / ₄ "	21'-1 ¹ / ₄ "	26'-9"	33'-0 ¹ / ₂ "	38
3850'	3 ³ / ₄ "	1'-3 ¹ / ₂ "	2'-11"	5'-2 ¹ / ₂ "	8'-1 ¹ / ₂ "	11'-8 ¹ / ₂ "	15'-11 ¹ / ₄ "	20'-10"	26'-4 ³ / ₄ "	32'-7 ¹ / ₄ "	38
3900'	3 ³ / ₄ "	1'-3 ¹ / ₄ "	2'-10 ³ / ₄ "	5'-1 ¹ / ₂ "	8'-0 ¹ / ₄ "	11'-6 ³ / ₄ "	15'-9"	20'-6 ³ / ₄ "	26'-0 ³ / ₄ "	32'-2 ¹ / ₄ "	39
3950'	3 ³ / ₄ "	1'-3 ¹ / ₄ "	2'-10 ¹ / ₄ "	5'-0 ³ / ₄ "	7'-11"	11'-4 ³ / ₄ "	15'-6 ¹ / ₂ "	20'-3 ³ / ₄ "	25'-8 ³ / ₄ "	31'-9 ¹ / ₄ "	39
4000'	3 ³ / ₄ "	1'-3"	2'-9 ³ / ₄ "	5'-0"	7'-9 ³ / ₄ "	11'-3 ¹ / ₄ "	15'-4"	20'-0 ¹ / ₂ "	25'-4 ³ / ₄ "	31'-4 ¹ / ₂ "	40
4050'	3 ³ / ₄ "	1'-2 ³ / ₄ "	2'-9 ¹ / ₄ "	4'-11 ¹ / ₄ "	7'-8 ³ / ₄ "	11'-1 ¹ / ₂ "	15'-1 ³ / ₄ "	19'-9 ¹ / ₂ "	25'-1"	30'-11 ¹ / ₄ "	40
4100'	3 ¹ / ₂ "	1'-2 ³ / ₄ "	2'-9"	4'-10 ¹ / ₂ "	7'-7 ¹ / ₂ "	11'-0"	14'-11 ¹ / ₂ "	19'-6 ³ / ₄ "	24'-9 ¹ / ₄ "	30'-7 ¹ / ₄ "	41
4150'	3 ¹ / ₂ "	1'-2 ¹ / ₂ "	2'-8 ¹ / ₂ "	4'-10"	7'-6 ¹ / ₂ "	10'-10 ¹ / ₄ "	14'-9 ¹ / ₄ "	19'-3 ³ / ₄ "	24'-5 ³ / ₄ "	30'-2 ³ / ₄ "	4
4200'	3 ¹ / ₂ "	1'-2 ¹ / ₄ "	2'-8 ¹ / ₄ "	4'-9"	7'-5 ¹ / ₂ "	10'-8 ³ / ₄ "	14'-7 ¹ / ₄ "	19'-1"	24'-2 ¹ / ₄ "	29'-10 ¹ / ₂ "	4
4250'	3 ¹ / ₂ "	1'-2 ¹ / ₄ "	2'-7 ³ / ₄ "	4'-8 ¹ / ₂ "	7'-4 ¹ / ₄ "	10'-7 ¹ / ₄ "	14'-5 ¹ / ₄ "	18'-10 ¹ / ₄ "	23'-10 ³ / ₄ "	29'-6"	4
4300'	3 ¹ / ₂ "	1'-2"	2'-7 ¹ / ₂ "	4'-8"	7'-3 ¹ / ₄ "	10'-5 ³ / ₄ "	14'-3 ¹ / ₄ "	18'-7 ³ / ₄ "	23'-7 ¹ / ₄ "	29'-2"	4
4350'	3 ¹ / ₂ "	1'-1 ³ / ₄ "	2'-7"	4'-7 ¹ / ₄ "	7'-2 ¹ / ₄ "	10'-4 ¹ / ₄ "	14'-1 ¹ / ₄ "	18'-5 ¹ / ₄ "	23'-4"	28'-10"	4
4400'	3 ¹ / ₂ "	1'-1 ³ / ₄ "	2'-6 ³ / ₄ "	4'-6 ¹ / ₂ "	7'-1 ¹ / ₄ "	10'-3"	13'-11 ¹ / ₂ "	18'-2 ³ / ₄ "	23'-1"	28'-6"	4
4450'	3 ¹ / ₄ "	1'-1 ¹ / ₂ "	2'-6 ¹ / ₄ "	4'-6"	7'-0 ¹ / ₄ "	10'-1 ¹ / ₂ "	13'-9 ¹ / ₂ "	18'-0 ¹ / ₄ "	22'-9 ³ / ₄ "	28'-2 ¹ / ₄ "	4
4500'	3 ¹ / ₄ "	1'-1 ¹ / ₄ "	2'-6"	4'-5 ¹ / ₂ "	6'-11 ¹ / ₂ "	10'-0"	13'-7 ³ / ₄ "	17'-9 ³ / ₄ "	22'-6 ³ / ₄ "	27'-10 ¹ / ₄ "	4
4550'	3 ¹ / ₄ "	1'-1 ¹ / ₄ "	2'-5 ³ / ₄ "	4'-5"	6'-10 ¹ / ₂ "	9'-10 ³ / ₄ "	13'-5 ³ / ₄ "	17'-7 ¹ / ₂ "	22'-3 ³ / ₄ "	27'-6 ³ / ₄ "	4
4600'	3 ¹ / ₄ "	1'-1"	2'-5 ¹ / ₂ "	4'-4 ¹ / ₄ "	6'-9 ³ / ₄ "	9'-9 ¹ / ₂ "	13'-4"	17'-5"	22'-0 ³ / ₄ "	27'-3"	4
4650'	3 ¹ / ₄ "	1'-1"	2'-5"	4'-3 ¹ / ₂ "	6'-8 ³ / ₄ "	9'-8 ¹ / ₄ "	13'-2 ¹ / ₄ "	17'-3"	21'-10"	26'-11 ¹ / ₂ "	4
4700'	3 ¹ / ₄ "	1'-0 ³ / ₄ "	2'-4 ³ / ₄ "	4'-3"	6'-8"	9'-7"	13'-0 ¹ / ₂ "	17'-0 ³ / ₄ "	21'-7"	26'-8"	4
4750'	3 ¹ / ₄ "	1'-0 ³ / ₄ "	2'-4 ¹ / ₂ "	4'-2 ¹ / ₂ "	6'-7"	9'-5 ³ / ₄ "	12'-11"	16'-10 ¹ / ₂ "	21'-4 ¹ / ₄ "	26'-4 ¹ / ₂ "	4
4800'	3"	1'-0 ¹ / ₂ "	2'-4 ¹ / ₄ "	4'-2"	6'-6 ¹ / ₄ "	9'-4 ¹ / ₂ "	12'-9 ¹ / ₄ "	16'-8 ¹ / ₂ "	21'-1 ³ / ₄ "	26'-1 ¹ / ₄ "	4
4850'	3"	1'-0 ¹ / ₄ "	2'-4"	4'-1 ¹ / ₂ "	6'-5 ¹ / ₄ "	9'-3 ¹ / ₂ "	12'-7 ³ / ₄ "	16'-6 ¹ / ₄ "	20'-11"	25'-10"	4
4900'	3"	1'-0 ¹ / ₄ "	2'-3 ¹ / ₂ "	4'-1"	6'-4 ¹ / ₂ "	9'-2 ¹ / ₄ "	12'-6 ¹ / ₄ "	16'-4 ¹ / ₄ "	20'-8 ¹ / ₂ "	25'-7"	4
4950'	3"	1'-0"	2'-3 ¹ / ₄ "	4'-0 ¹ / ₂ "	6'-3 ³ / ₄ "	9'-1 ¹ / ₄ "	12'-4 ³ / ₄ "	16'-2 ¹ / ₄ "	20'-6"	25'-3 ³ / ₄ "	4
5000'	3"	1'-0"	2'-3"	4'-0"	6'-3"	9'-0"	12'-3 ¹ / ₄ "	16'-0 ¹ / ₂ "	20'-3 ¹ / ₂ "	25'-0 ³ / ₄ "	5