



| TURNOUT NO. | SWITCH AREA | | | | | CLOSURE AREA | | | | | | | | | | | FROG AREA | | | | | | | | |
|-------------|-----------------|-------------|-------------|--------------|-------------|---|-------------|------------|-------------|--------------|----------------------------|-------------------------|------------------------------|---------------------------------|-------------------------------|------------|-----------------|------------------|----------------|---------------------|----------------------------|-----------------------------|----------------------|--|----------|
| | LENGTH OF POINT | LEAD | POINT ANGLE | P.S. TO H.S. | HEEL SPREAD | DISTANCE AND OFFSET FOR CLOSURE RAIL ON GAUGE LINES | | | | | DISTANCE FROM P.S. TO P.I. | RADIUS ON P. OF TURNOUT | DEGREE OF CURVE ON P. OF T/O | LENGTH OF STRAIGHT CLOSURE RAIL | LENGTH OF CURVED CLOSURE RAIL | FROG ANGLE | FROG TOE SPREAD | FROG HEEL SPREAD | LENGTH OF FROG | TOE OF FROG TO P.I. | 1/2" POINT TO HEEL OF FROG | TOE OF FROG TO END OF CURVE | LENGTH OF GUARD RAIL | MAXIMUM RECOMMENDED SPEED THRU T/O IN M.P.H. | |
| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ | ⑩ | ⑪ | ⑫ | ⑬ | ⑭ | ⑮ | ⑯ | ⑰ | ⑱ | ⑲ | ⑳ | ㉑ | ㉒ | ㉓ | ㉔ | | |
| *20E 136LB | 63'-3" | 167'-0" | 0°6'13" | 48'-2" | 6 1/4" | 74'-11" | 1'-9 19/32" | 101'-8" | 1'-4 25/32" | 128'-5" | 0'-10 11/16" | 71'-11 5/8" | 6692'-7 11/16" | 0°51'22" | — | 87'-7 5/8" | 2°51'51" | 9 3/16" | 1'-3 7/16" | 41'-0" | 16'-1 1/2" | 24'-10 1/2" | 4'-4" | 29'-7" | 70/55/50 |
| *20L 136LB | 58'-10" | 156'-0 1/2" | 0°26'23" | 39'-0" | 6 1/4" | 65'-3 3/4" | 1'-1 33/64" | 91'-7 1/2" | 1'-11 7/32" | 117'-11 1/4" | 2'-11 11/32" | 61'-0 1/2" | 3408.23' | 1°40'52" | 81'-1" | 81'-2 3/8" | 2°51'51" | 9 3/16" | 1'-3 7/16" | 41'-0" | 16'-1 1/2" | 24'-10 1/2" | 4'-4" | 29'-7" | 45 |

LEGEND

- P.S. = POINT OF SWITCH
- P.A. = POINT OF ANGLE
- H.S. = HEEL OF SWITCH
- B.C. = BEGINNING OF CURVE
- E.C. = END OF CURVE
- P.I. = POINT OF INTERSECTION
- T.F. = TOE OF FROG
- H.F. = HEEL OF FROG
- P.F. = POINT OF FROG
- T.P. = THEORETICAL POINT

METRIC CONVERSION: 1 inch=25.4mm, 1 foot=304.8mm

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| No. | 18/07/27 | ADDED IMPERIAL TO METRIC CONVERSION NOTE | By Approved |
| Standard/ | | GEOMETRY FOR NO. 20 ALL WELDED TUROUTS | |
| Drawn | MG | Checked | CGS |
| Approved | | VP Engineering & Asset Management | |

Date: SEPT 15/2017 Plan Number: GTS-0005A Rev: 1

REFERENCE: CN TS-0005A Sheet 1 OF 1