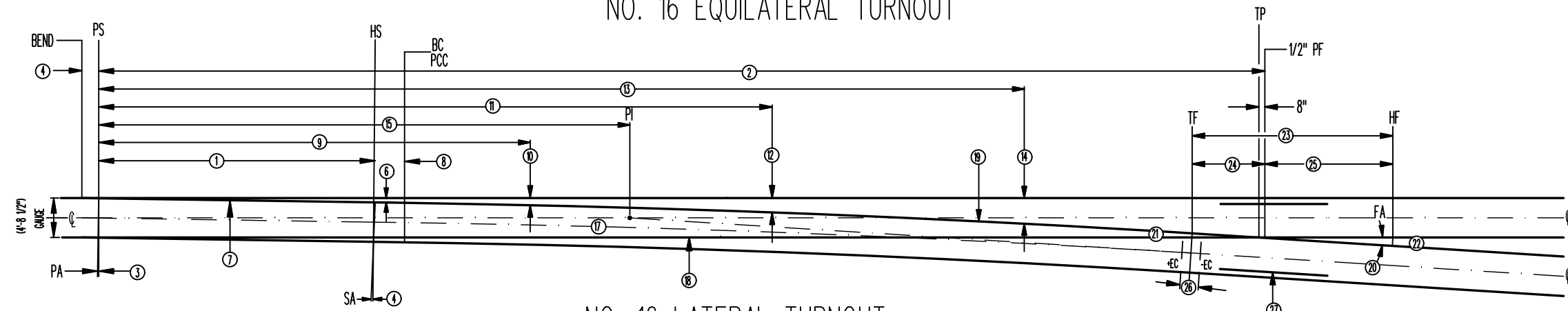


NO. 16 EQUILATERAL TURNOUT



NO. 16 LATERAL TURNOUT

TURNOUT NO.	SWITCH AREA								CLOSURE AREA										FROG AREA						MINIMUM RECOMMENDED SPEEDS FOR TURNOUTS IN MPH			
	LENGTH OF POINT	LEAD	POINT ANGLE	SWITCH ANGLE	BEND TO POINT OF SWITCH	HEEL SPREAD	RADIUS ON CURVED POINT	HS TO BC ON CURVE CLOSURE RAIL	DISTANCE AND OFFSET FOR CLOSURE RAIL ON GAUGE LINES						DISTANCE FROM P.S. TO P.I.	RADIUS ON E OF TURNOUT	DEGREE OF CURVE ON E OF T/O	LENGTH OF STRAIGHT CLOSURE RAIL	LENGTH OF CURVED CLOSURE RAIL	FROG ANGLE	FROG TEE SPREAD	FROG HEEL SPREAD	LENGTH OF FROG	TOP OF FROG TO 1/2" POINT		1/2" POINT TO HEEL OF FROG	TOP OF FROG TO END OF CURVE	LENGTH OF GROUND RAIL
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒	㉓	㉔	㉕	㉖	㉗	
*16 132L.B.	33'-0"	139'-1 1/2"		0° 57'00"	2'-1 1/4"	6 1/4"		3'-5 5/16"	51'-5 5/16"	0'-10 1/4"	81'-5 5/16"	1'-9 1/32"	111'-5 5/16"	3'-1 5/16"	63'-1 15/32"	1972.99'	2° 54'16"	97'-5 1/2"	97'-6 1/2"	3° 34'47"	6"	12"	24'-0"	8'-8"	15'-4"	0"	16'-6"	30
*16 136L.B.	26'-0"	118'-5"	0° 50'44"	1° 27'00"	0"	6 1/4"	2464.55'	0"	46'-0"	1'-1 3/8"	66'-0"	1'-10 11/16"	86'-0"	2'-10 1/8"	42'-4 31/32"	2240.84'	2° 33'26"	83'-0"	83'-1 1/4"	3° 34'47"	9 3/4"	1'-3 3/4"	34'-0"	13'-8"	20'-4"	3'-11 3/4"	24'-0"	30
*16E 136L.B.	39'-0"	139'-1 1/2"		0° 21'35"	2'-5 7/8"	6 1/4"		0"	61'-8"	0'-11 9/16"	84'-4"	1'-8 11/16"	107'-0"	2'-9 9/16"	79'-6 13/16"	3251.26'	2° 8'59"		81'-2 13/16"	3° 34'47"	9 3/4"	1'-3 3/4"	34'-0"	13'-8"	20'-4"	13'-10 5/16"	24'-0"	30

LEGEND

- P.S. - POINT OF SWITCH
- P.A. - POINT ANGLE
- S.A. - SWITCH ANGLE
- H.S. - HEEL OF SWITCH
- P.C.C. - POINT CHANGE OF CURVE
- 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

No.	Date	Revision	By Approved
1	18/07/27	ADDED IMPERIAL TO METRIC CONVERSION NOTE	

Standard / **GEOMETRY FOR NO. 16 TURNOUTS**

Drawn RFP Checked RP Approved *[Signature]* VP Engineering & Asset Management



Date SEPT 15/2017 Plan Number GTS-0004 Rev 1

REFERENCE: TS-0004_R2 Sheet 1 OF 1