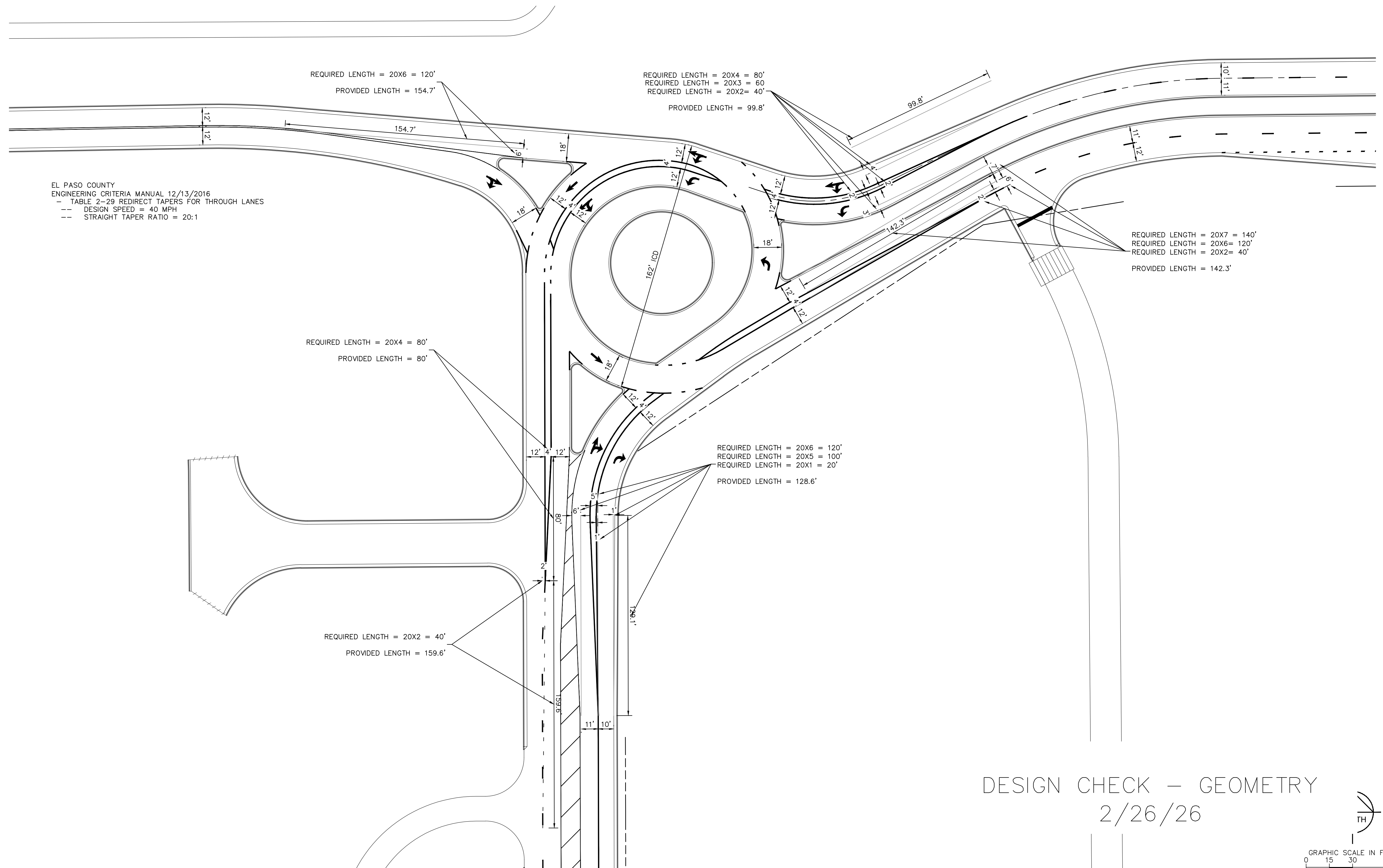
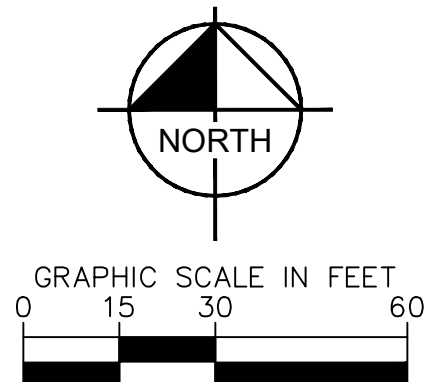
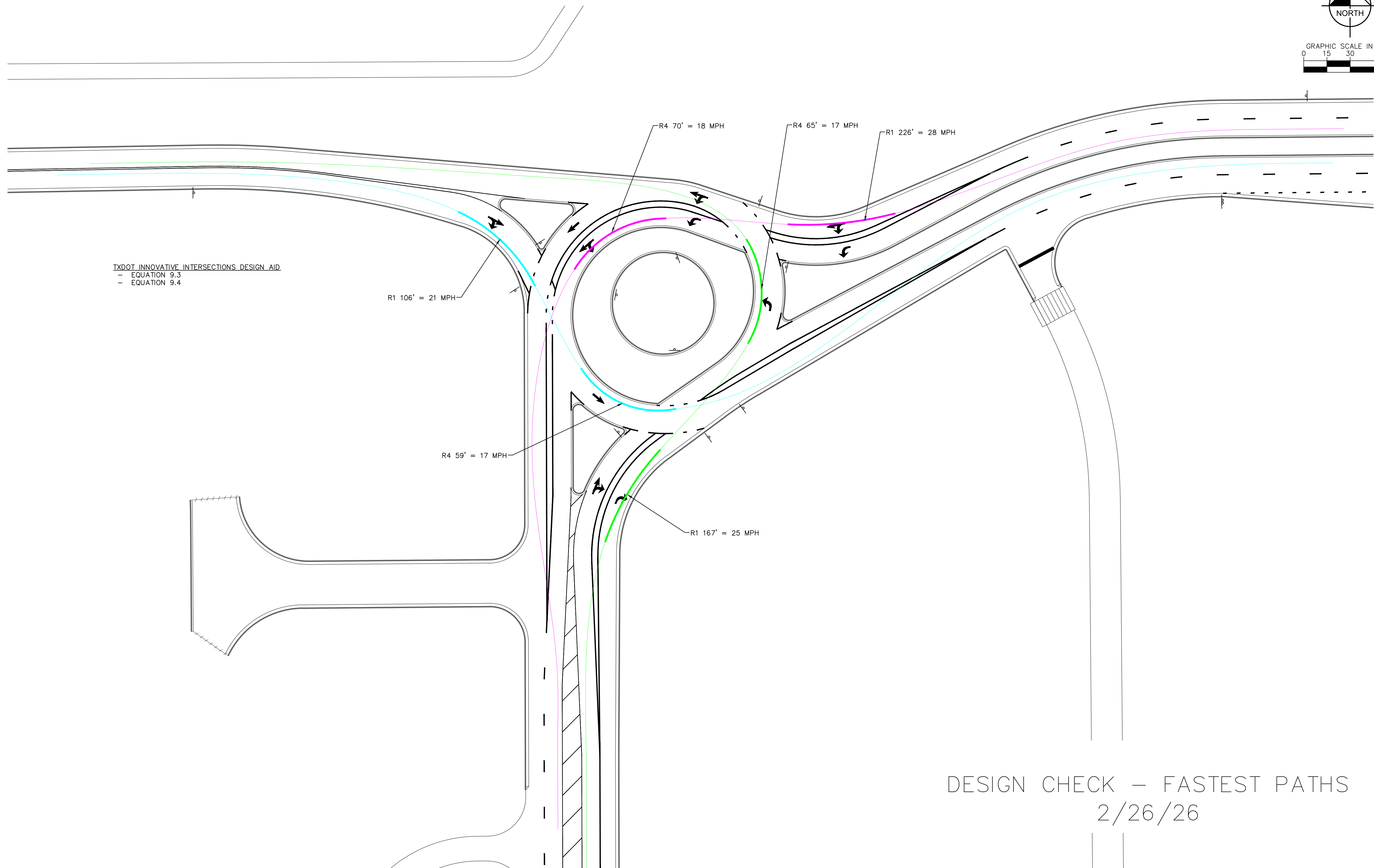


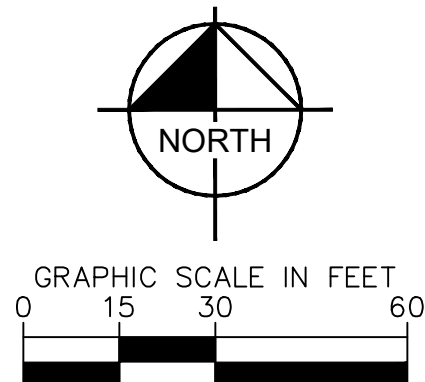




TXDOT INNOVATIVE INTERSECTIONS DESIGN AID
- EQUATION 9.3
- EQUATION 9.4



DESIGN CHECK — FASTEST PATHS
2/26/26

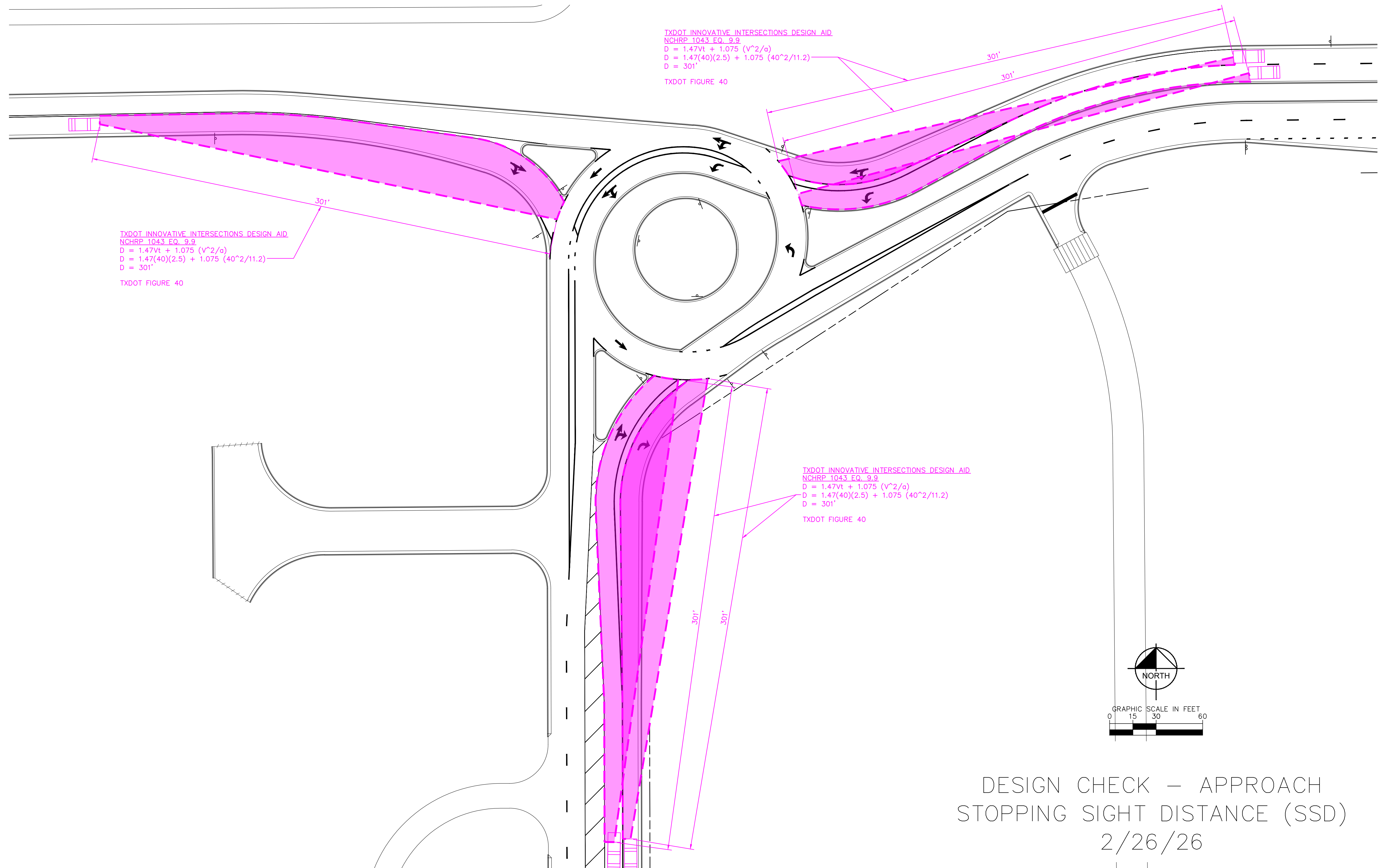


TXDOT INNOVATIVE INTERSECTIONS DESIGN AID
- EQUATION 9.3
- EQUATION 9.4

R5 96' = 20 MPH

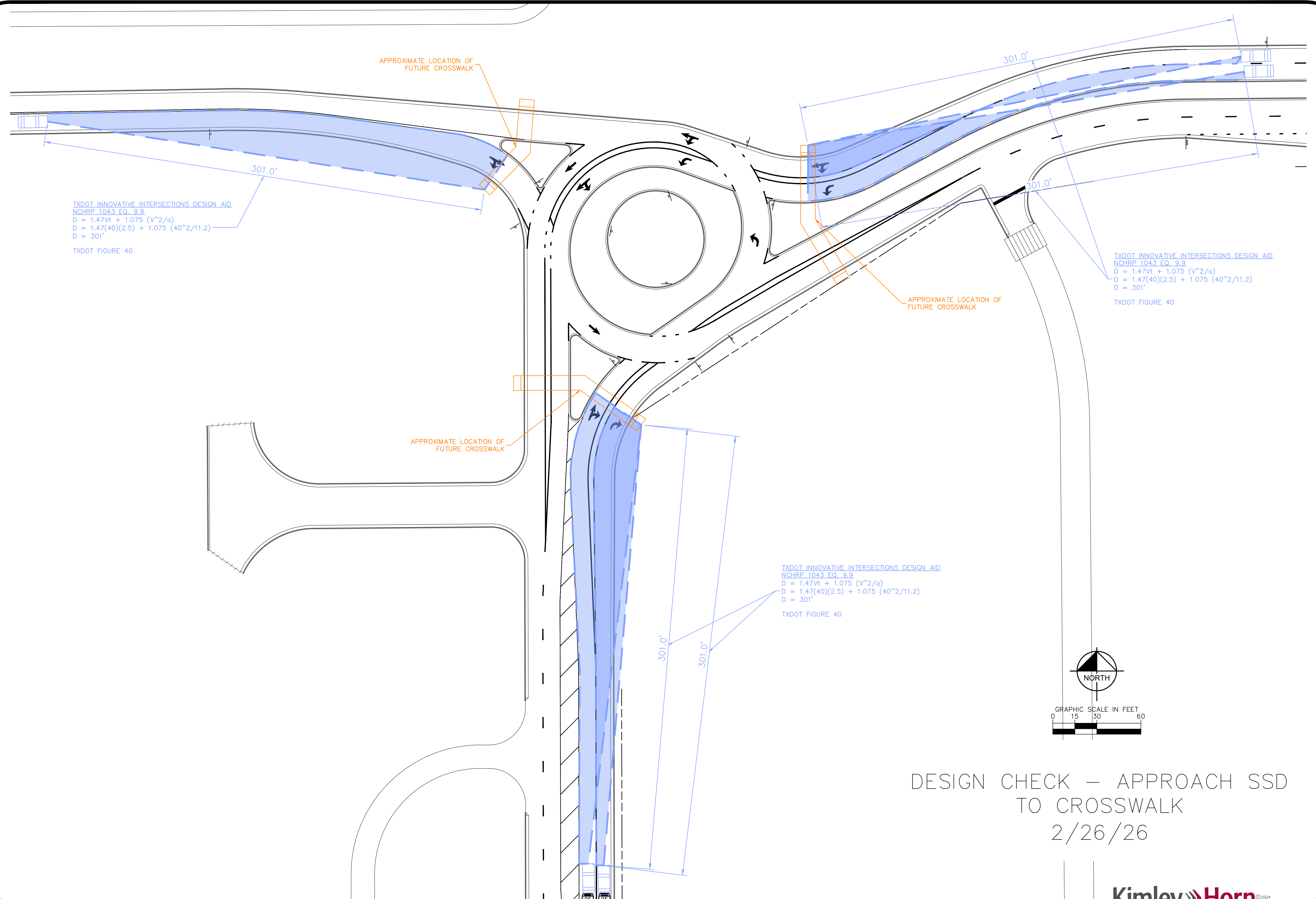
R5 264' = 30 MPH

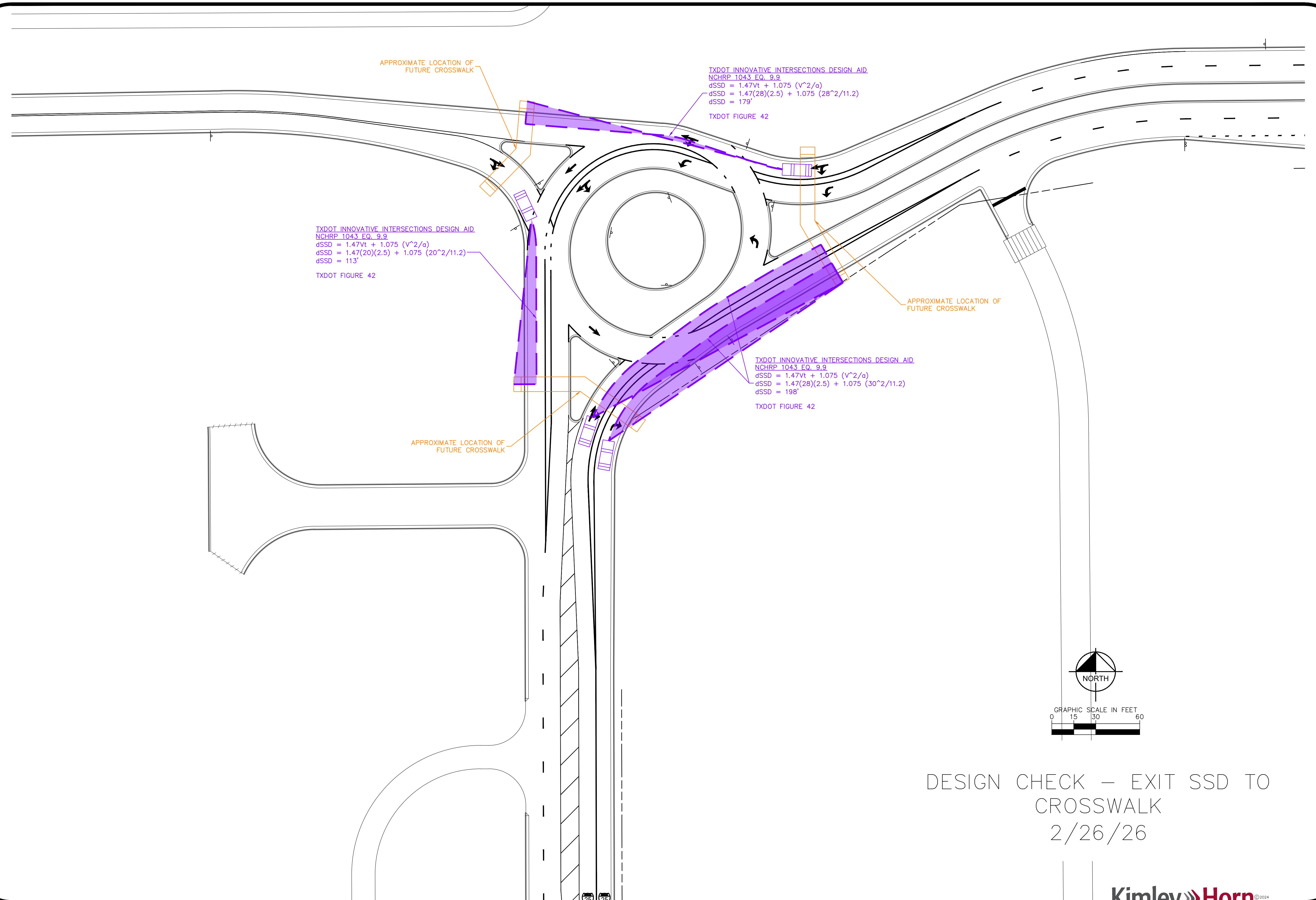
DESIGN CHECK — FASTEST PATHS
2/26/26



DESIGN CHECK — APPROACH
STOPPING SIGHT DISTANCE (SSD)

2/26/26





APPROXIMATE LOCATION OF
FUTURE CROSSWALK

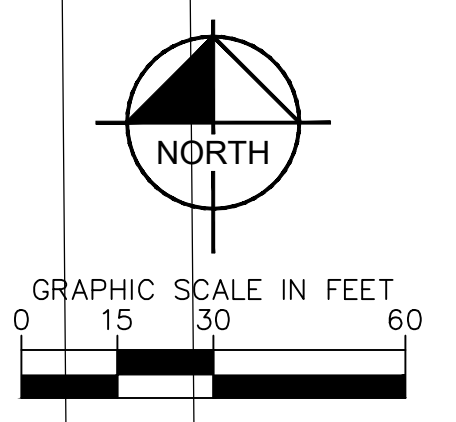
TXDOT INNOVATIVE INTERSECTIONS DESIGN AID
NCHRP 1043 EQ. 9.9
 $dSSD = 1.47Vt + 1.075 (V^2/a)$
 $dSSD = 1.47(28)(2.5) + 1.075 (28^2/11.2)$
 $dSSD = 179'$
TXDOT FIGURE 42

TXDOT INNOVATIVE INTERSECTIONS DESIGN AID
NCHRP 1043 EQ. 9.9
 $dSSD = 1.47Vt + 1.075 (V^2/a)$
 $dSSD = 1.47(20)(2.5) + 1.075 (20^2/11.2)$
 $dSSD = 113'$
TXDOT FIGURE 42

APPROXIMATE LOCATION OF
FUTURE CROSSWALK

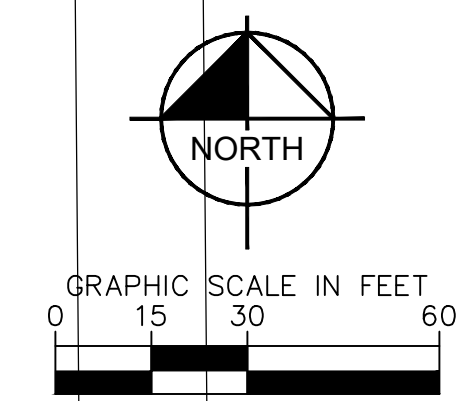
APPROXIMATE LOCATION OF
FUTURE CROSSWALK

TXDOT INNOVATIVE INTERSECTIONS DESIGN AID
NCHRP 1043 EQ. 9.9
 $dSSD = 1.47Vt + 1.075 (V^2/a)$
 $dSSD = 1.47(28)(2.5) + 1.075 (30^2/11.2)$
 $dSSD = 198'$
TXDOT FIGURE 42



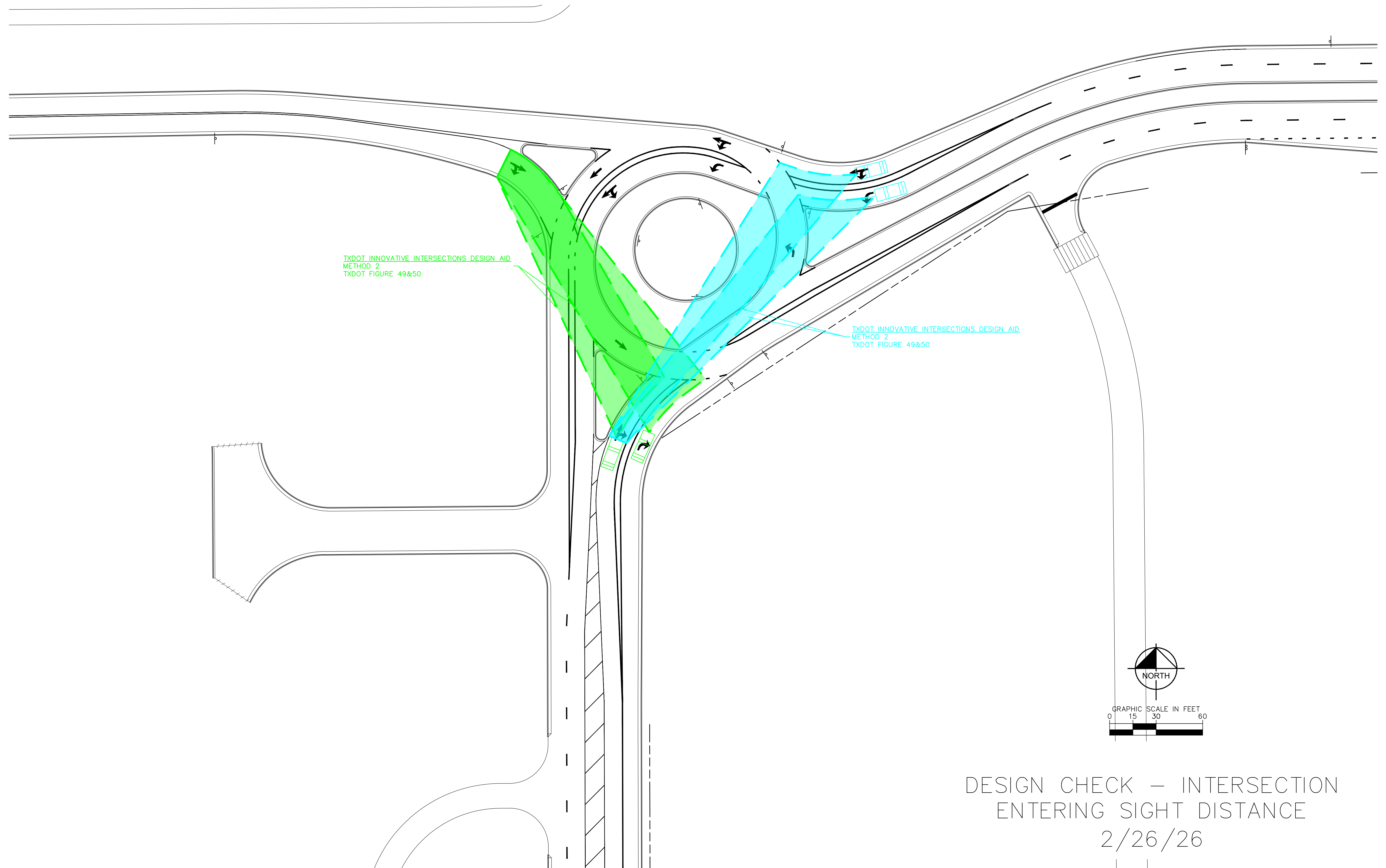
DESIGN CHECK — EXIT SSD TO
CROSSWALK
2/26/26

TXDOT INNOVATIVE INTERSECTIONS DESIGN AID
NCHRP 1043 EQ. 9.9
 $dSSD = 1.47Vt + 1.075 (V^2/a)$
 $dSSD = 1.47(18)(2.5) + 1.075 (18^2/11.2)$
 $dSSD = 98'$
TXDOT FIGURE 44



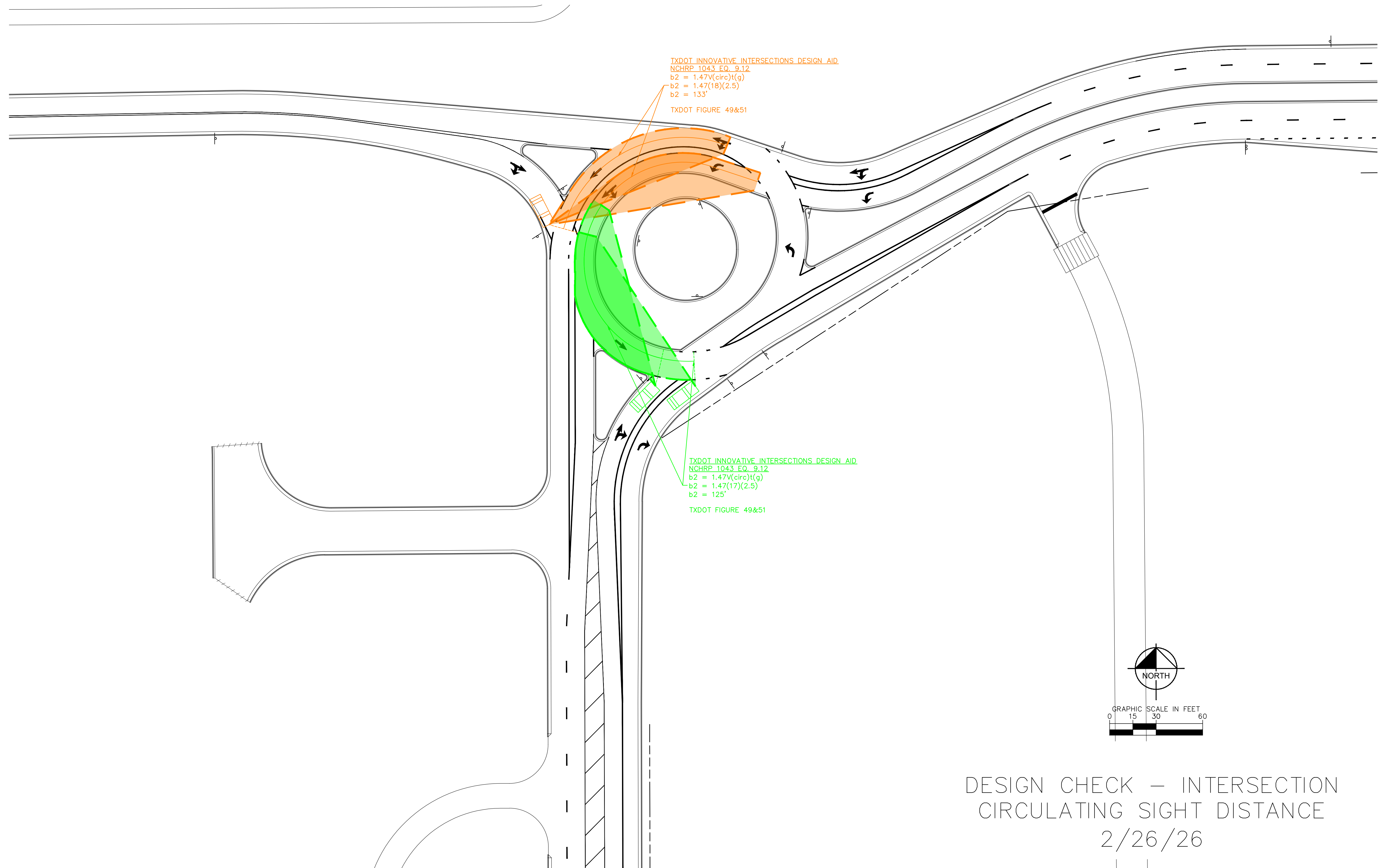
DESIGN CHECK — SSD AROUND
THE CIRCULATORY ROADWAY

2/26/26



DESIGN CHECK — INTERSECTION
ENTERING SIGHT DISTANCE

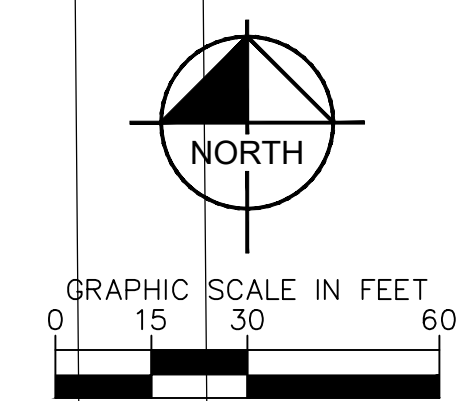
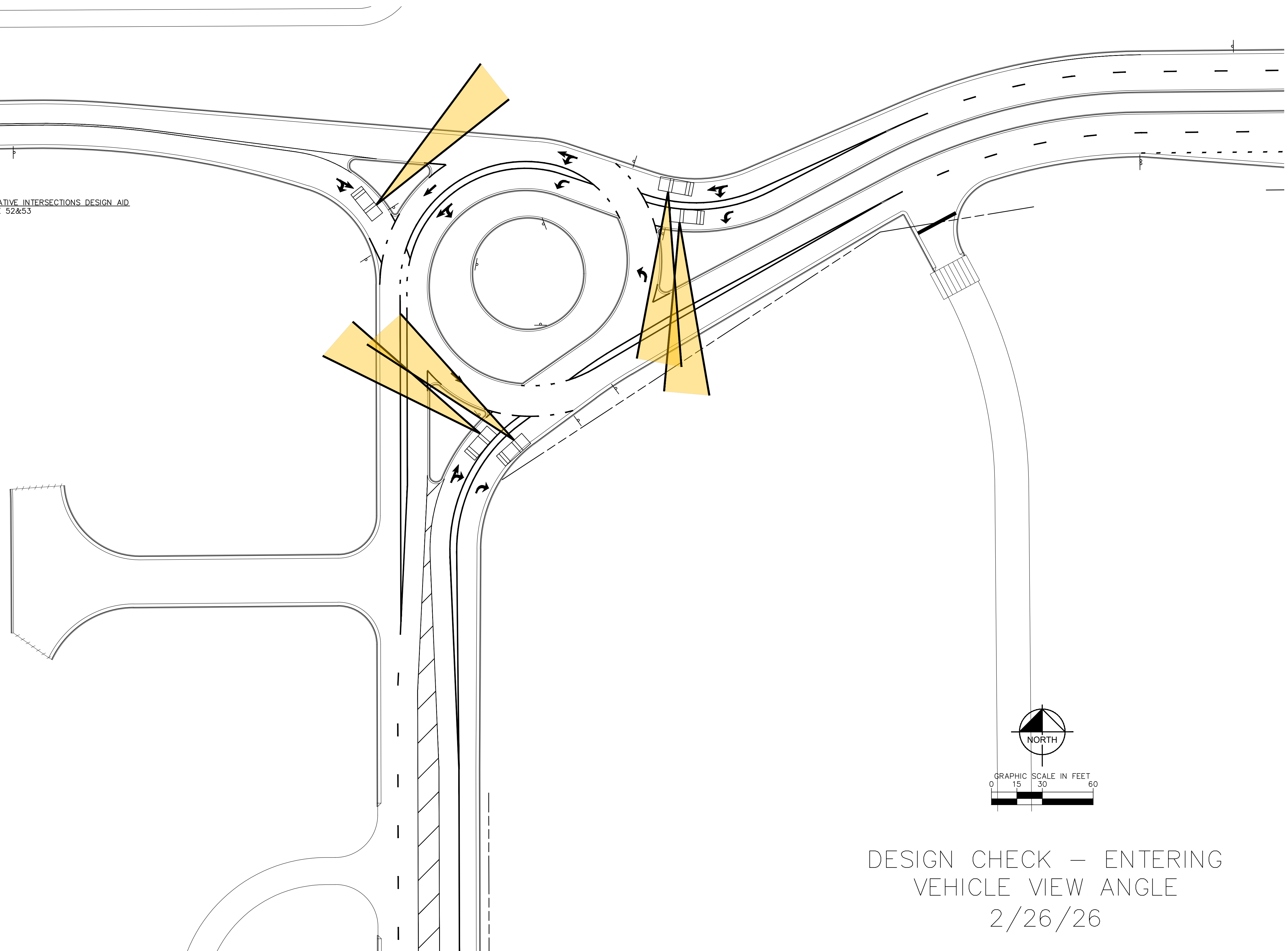
2/26/26



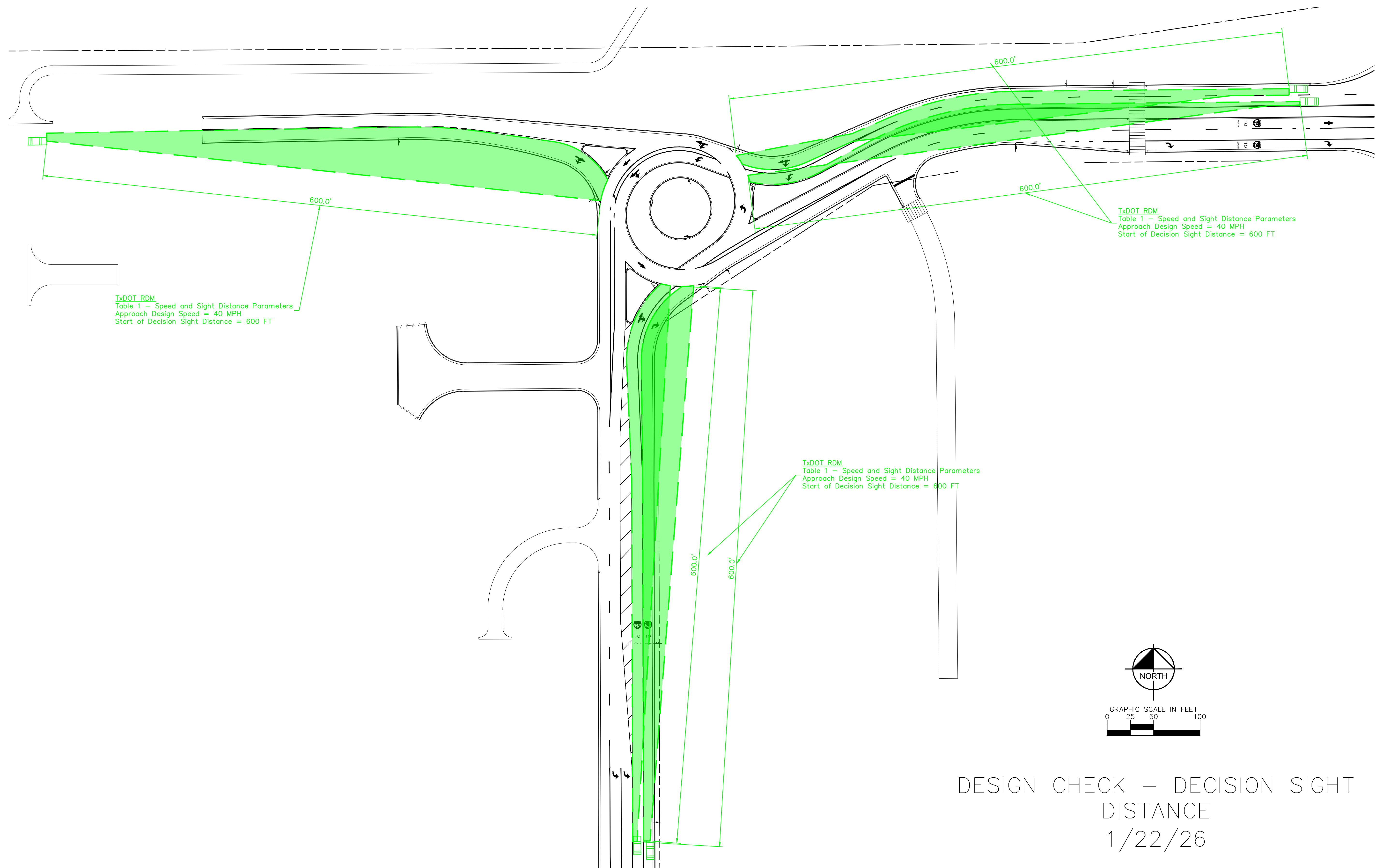
DESIGN CHECK — INTERSECTION
CIRCULATING SIGHT DISTANCE

2/26/26

TXDOT INNOVATIVE INTERSECTIONS DESIGN AID
TXDOT FIGURE 52&53

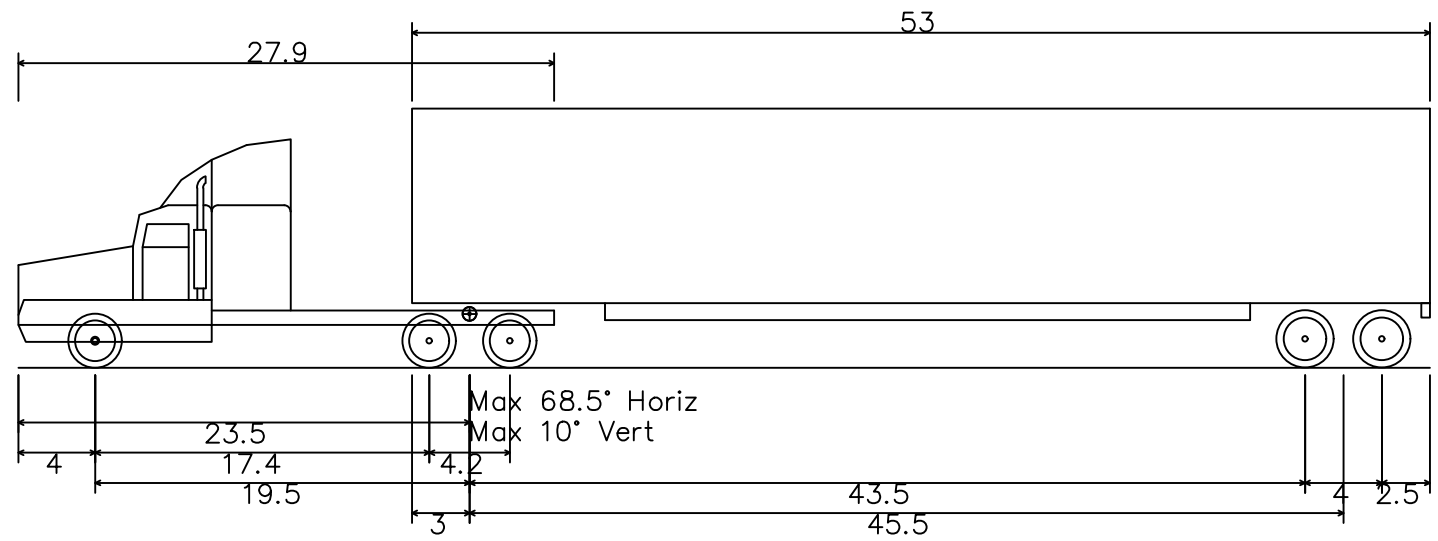
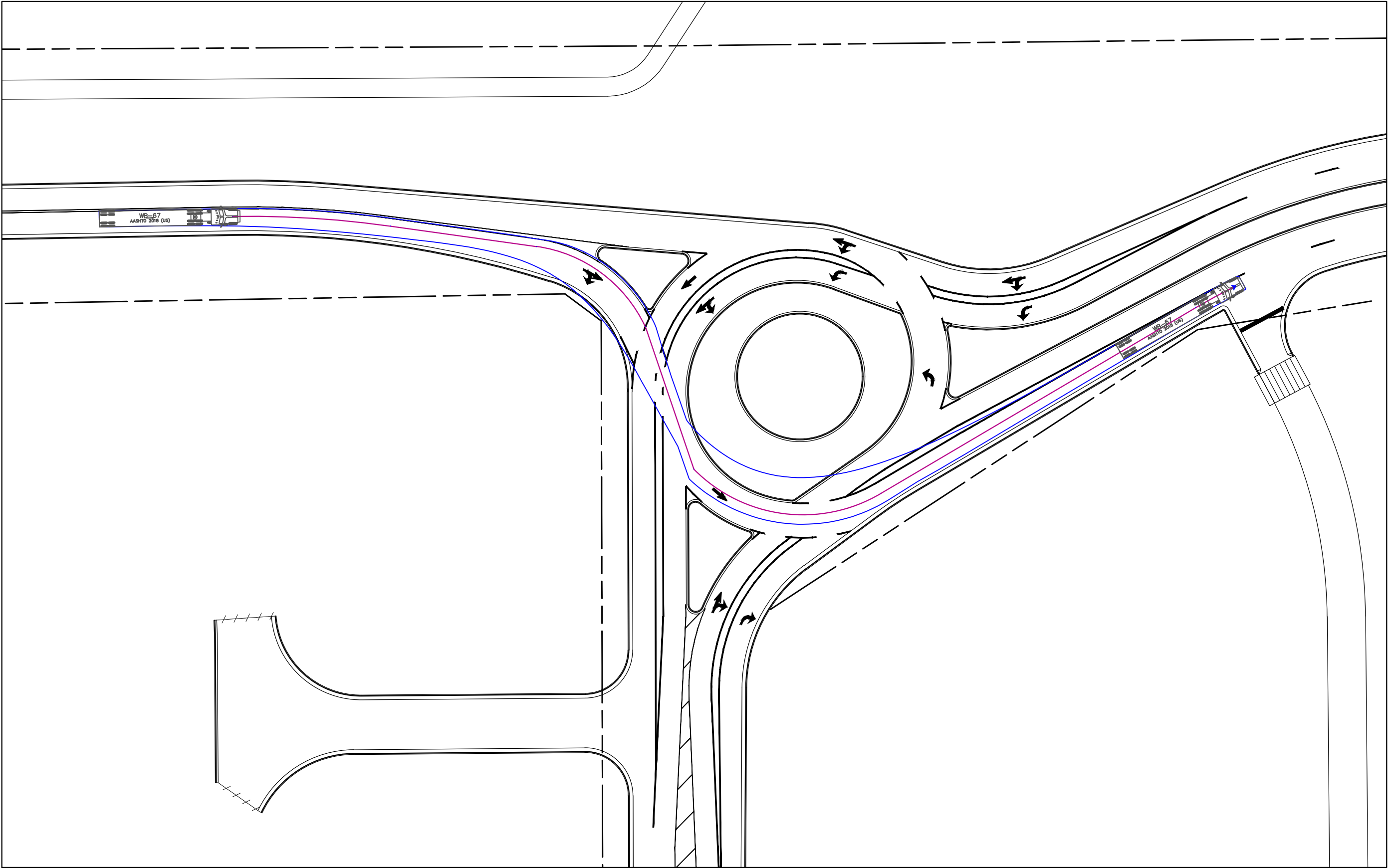
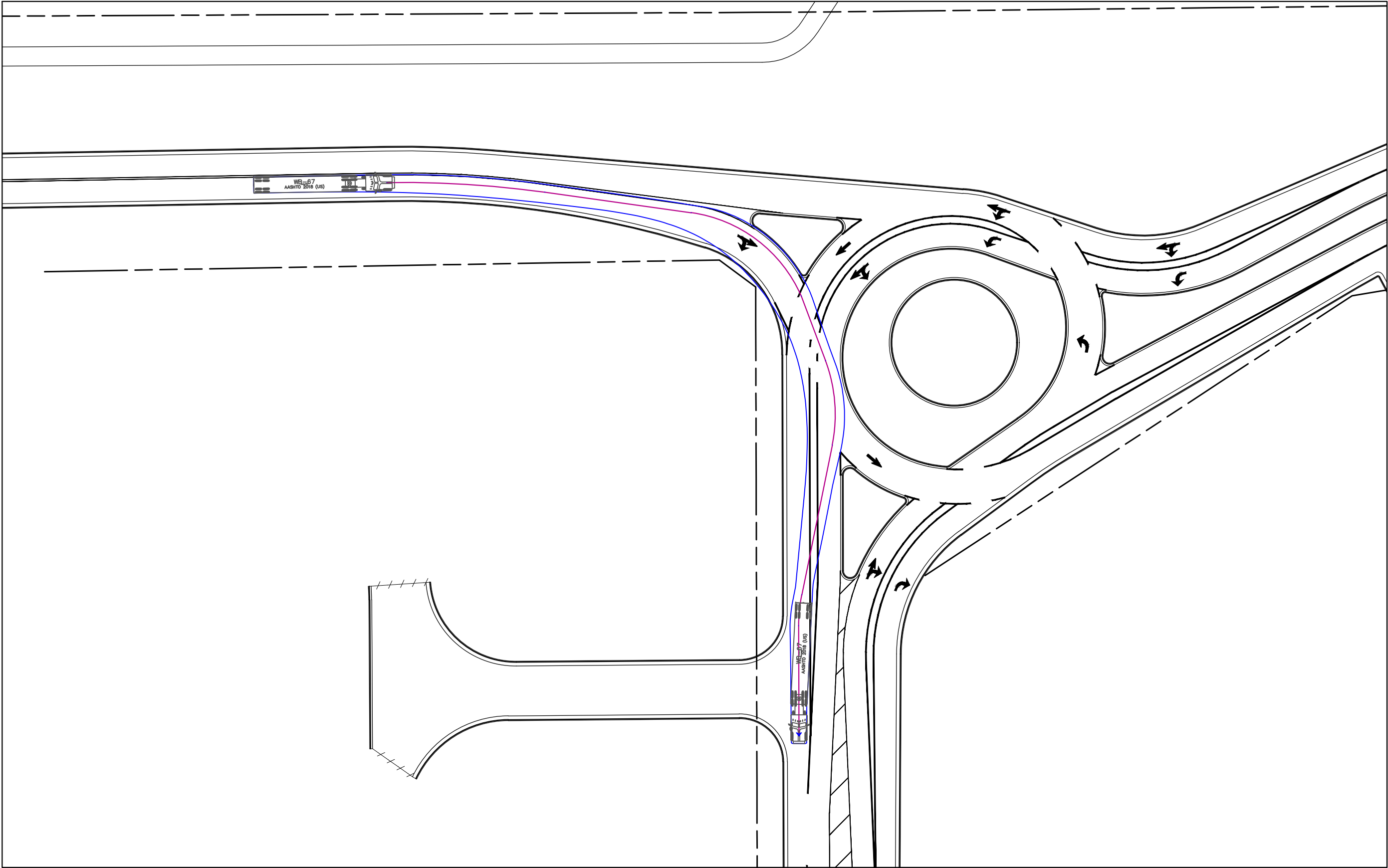


DESIGN CHECK — ENTERING
VEHICLE VIEW ANGLE
2/26/26

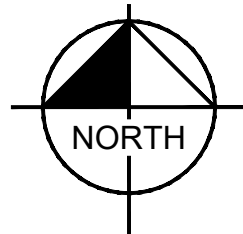


DESIGN CHECK — DECISION SIGHT
DISTANCE
1/22/26

EAST BOUND

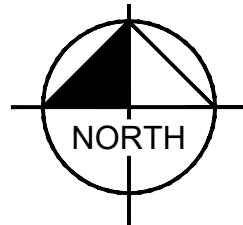
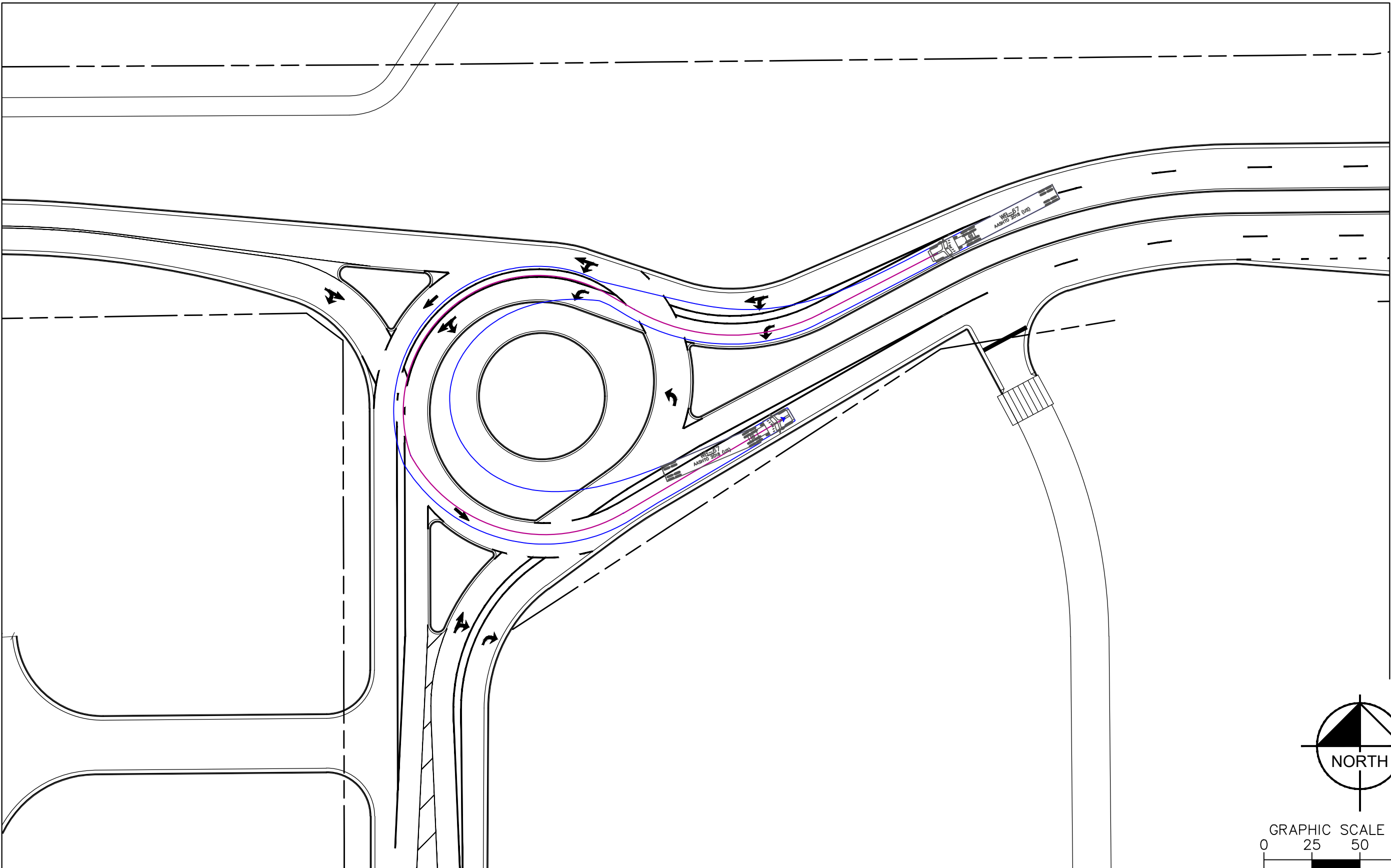
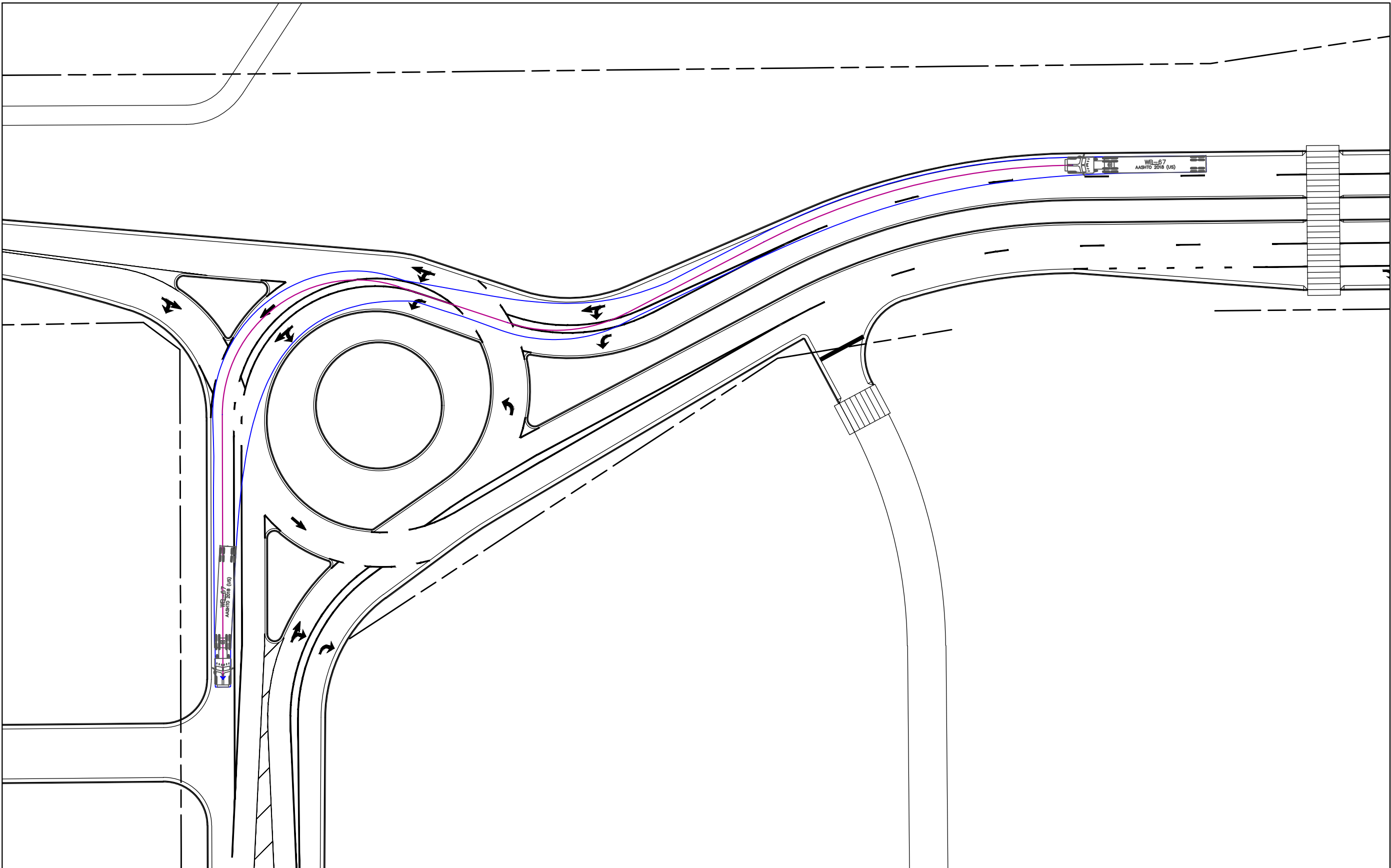
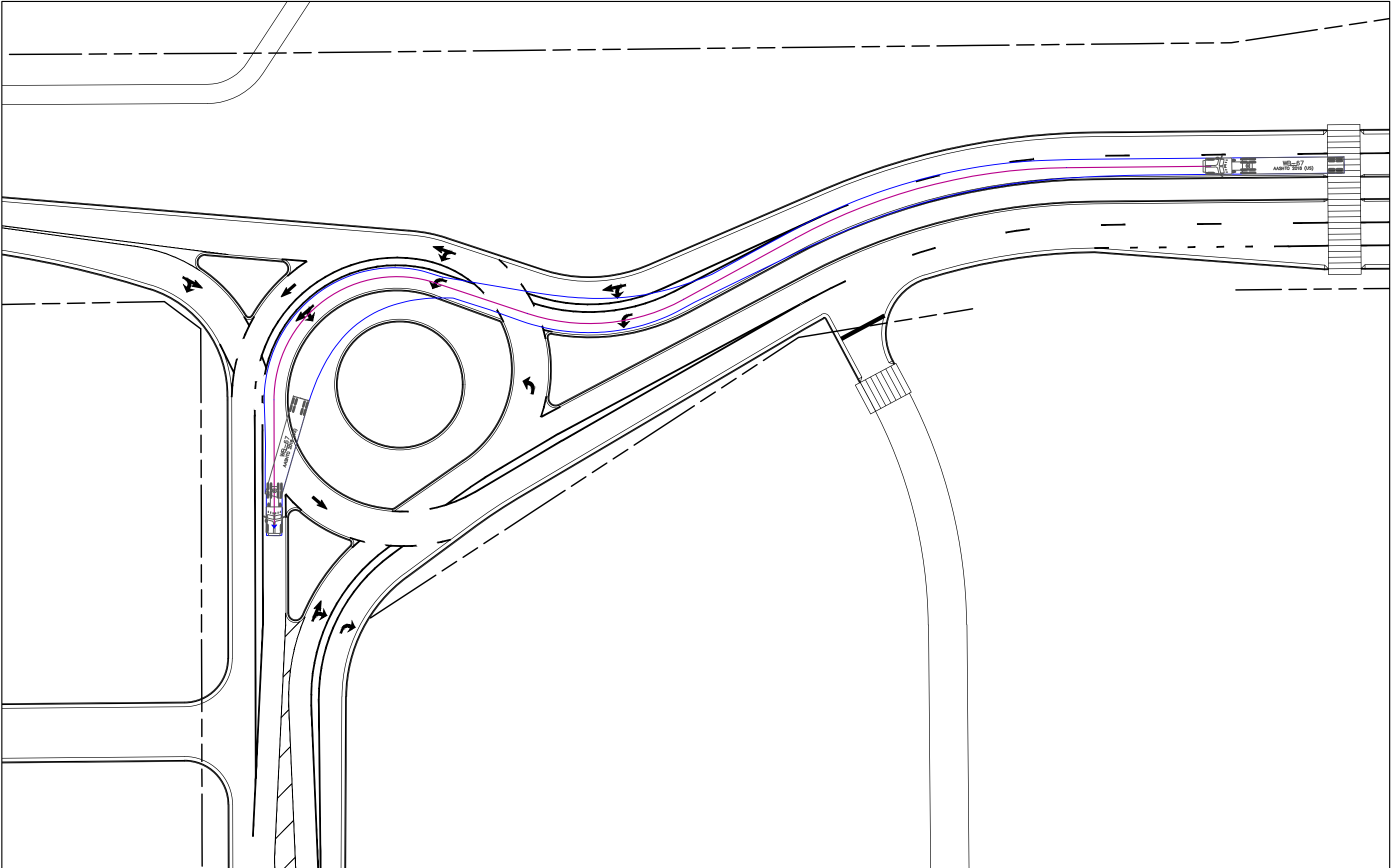
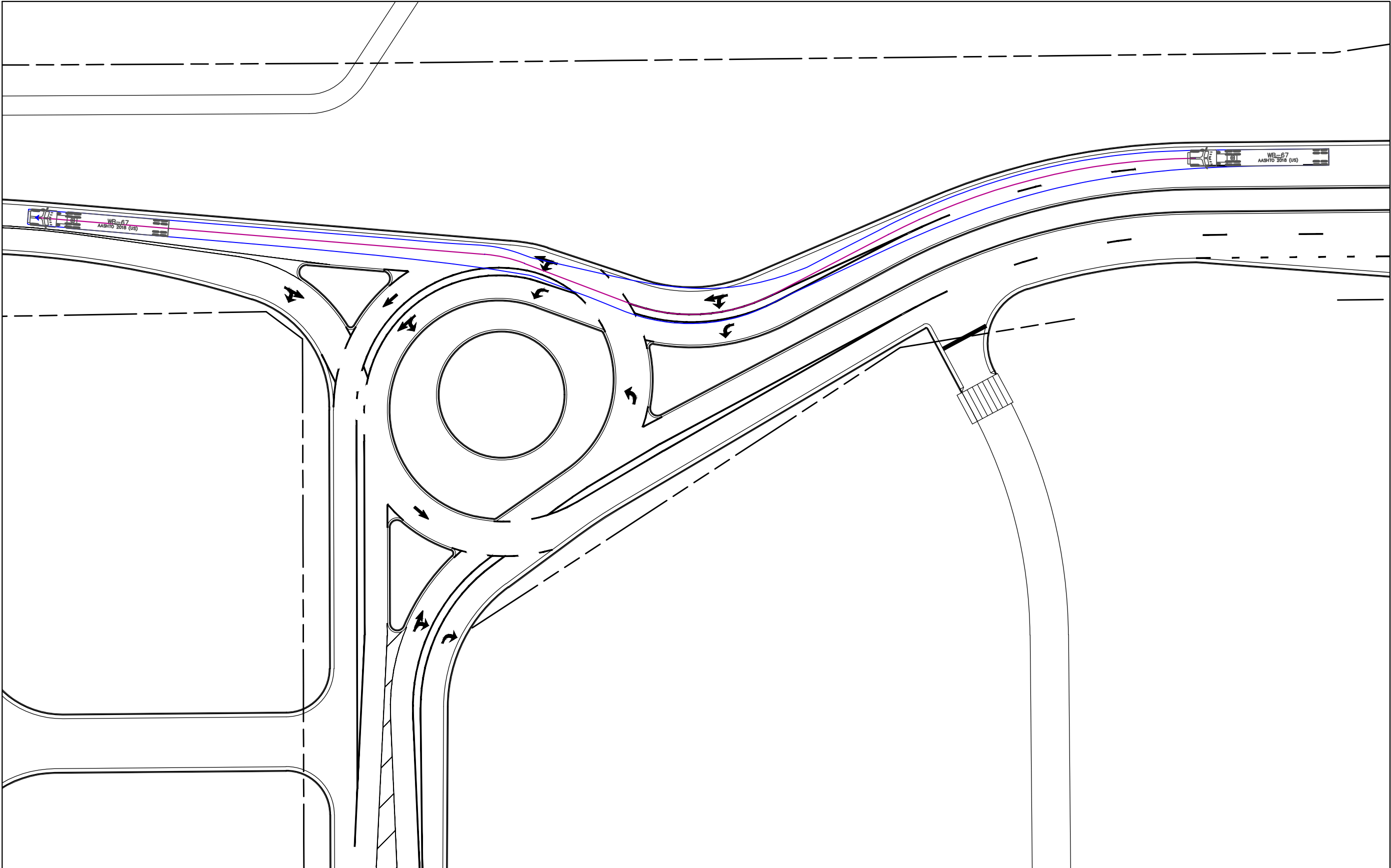


WB-67 - Interstate Semi-Trailer
Overall Length 73.501ft
Overall Width 8.500ft
Overall Body Height 13.500ft
Min Body Ground Clearance 1.334ft
Max Track Width 8.500ft
Lock-to-lock time 6.00s
Max Steering Angle (Virtual) 28.40°



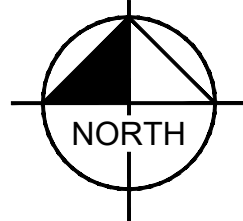
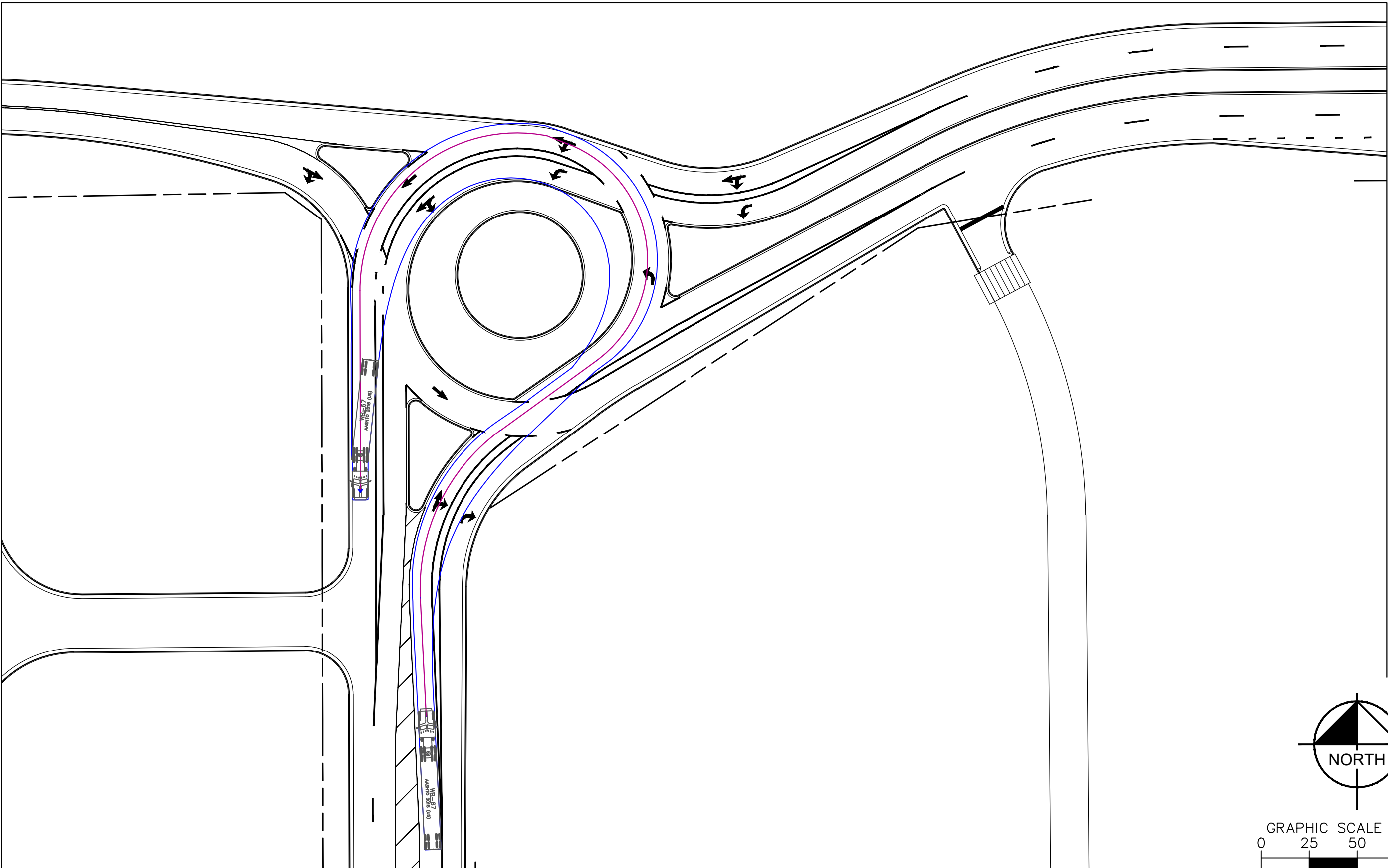
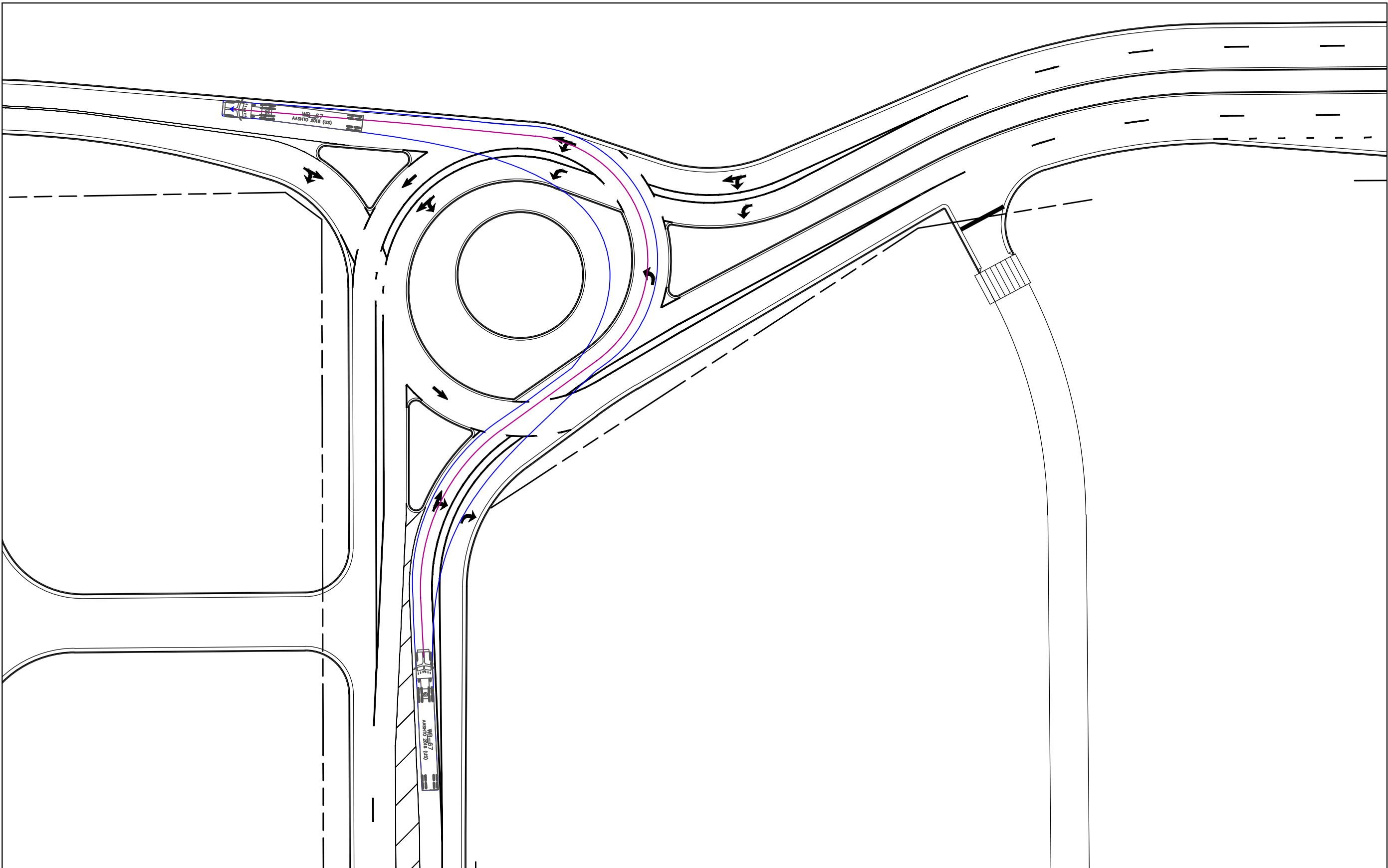
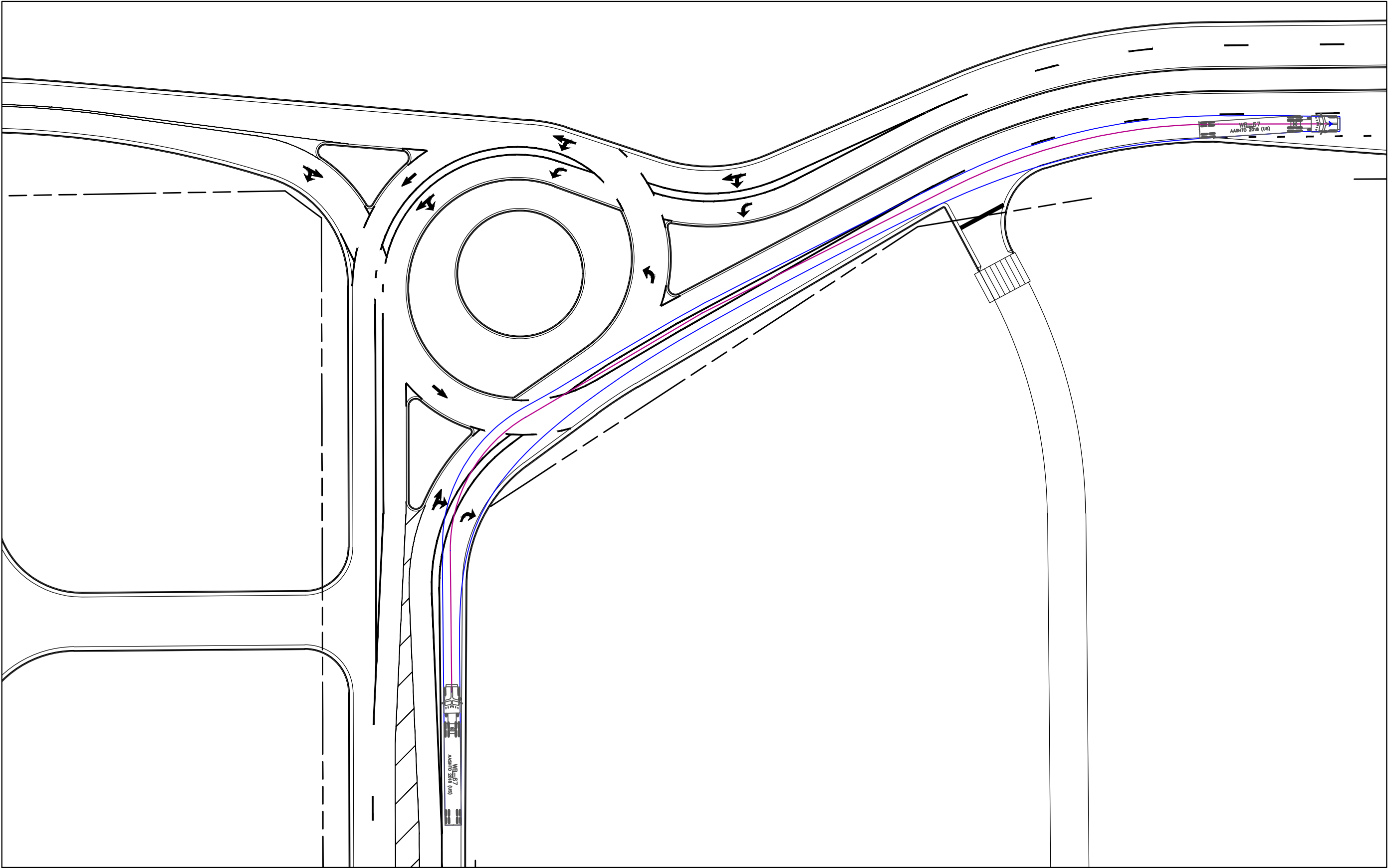
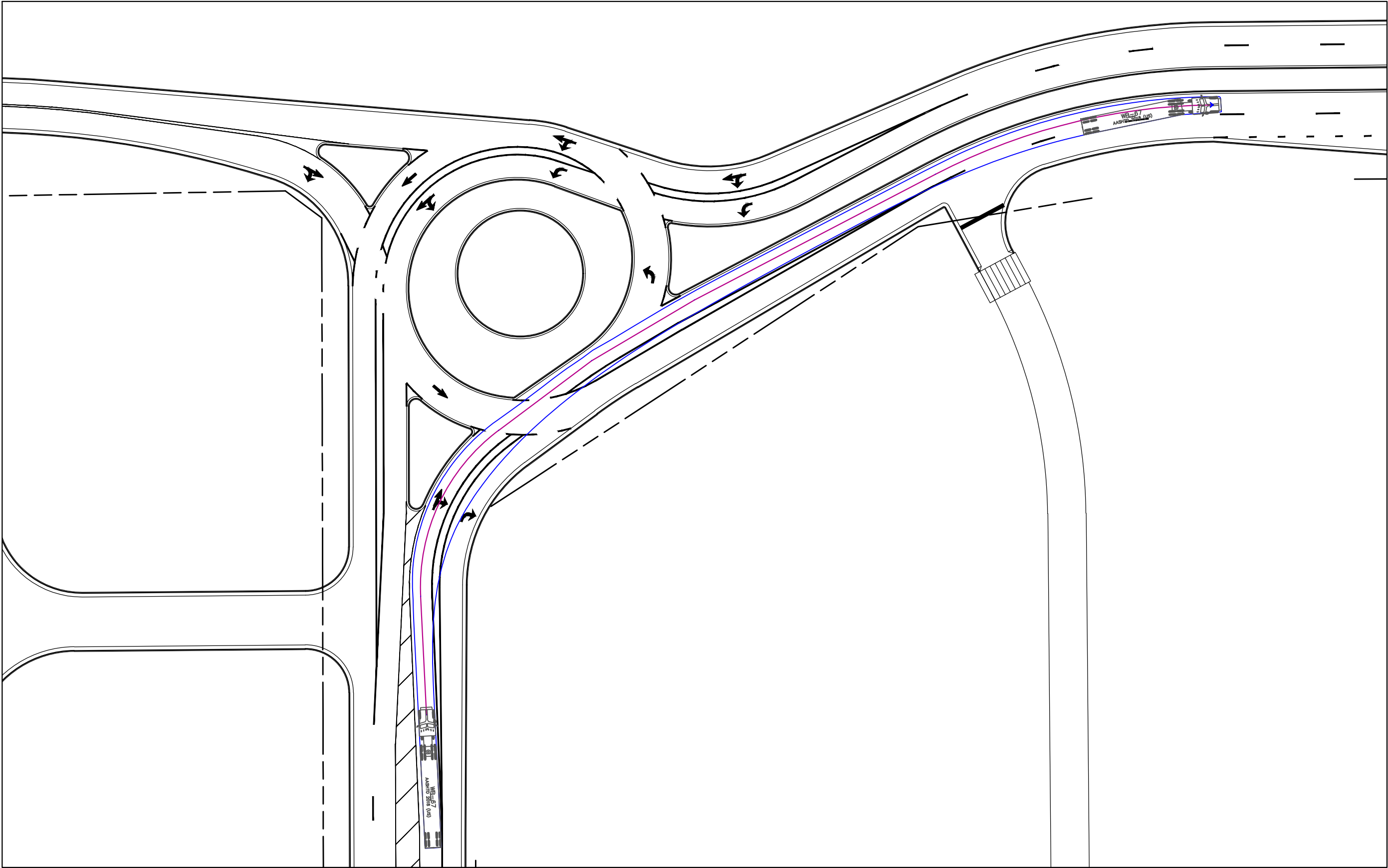
GRAPHIC SCALE IN FEET
0 25 50 100

WEST BOUND



GRAPHIC SCALE IN FEET
0 25 50 100

NORTH BOUND



GRAPHIC SCALE IN FEET
0 25 50 100