



VINYL SAFETY RAILING - VARIABLE HEIGHT

NOTES:

1. PROVIDE A SAFETY RAIL FOR THE FOLLOWING CIRCUMSTANCES WITHIN 6' OF THE EDGE OF PAVEMENT, WHICH ARE CONSIDERED HAZARDOUS DROP-OFFS:

- 1) SLOPE > 3:1 AND DROP OF 6'
- 2) SLOPE > 2:1 AND DROP OF 4'
- 3) SLOPE > 1:1 AND DROP OF 1'

2. SAFETY RAIL TO BE THREE-RAIL WHITE VINYL WITH NOMINAL 8' SECTION LENGTH.

3. FOOTING WIDTH TO BE 2X POST WIDTH OR 1', WHICHEVER IS GREATER. MIN FOOTING DEPTH OF 30". ALL CONCRETE TO BE CLASS 'A' AT 3000 PSI COMPRESSIVE STRENGTH.

4. SAFETY RAIL SHALL BE UNIFORM IN HEIGHT ALONG EACH PROPOSED SEGMENT. 42" RAIL HEIGHT SHALL BE THE MINIMUM. 48" RAIL HEIGHT SHALL BE UTILIZED ALONG BRIDGES, BRIDGE APPROACHES, AND AT OTHER LOCATIONS WHERE HIGH-SPEED, STEEP-ANGLE (25 DEGREES OR GREATER) IMPACTS BETWEEN A BICYCLIST AND THE RAILING MAY OCCUR, SUCH AS AT A CURVE AT THE FOOT OF A LONG, DESCENDING GRADE WHERE THE CURVE RADIUS IS LESS THAN THAT APPROPRIATE FOR THE DESIGN SPEED OR ANTICIPATED SPEED. 54" RAIL HEIGHT SHALL BE UTILIZED IN EXTREME CONDITIONS AND WHERE CITY REGULATIONS DICTATE.

5. SAFETY RAIL LATERAL OFFSET FROM EDGE OF PAVEMENT WILL VARY BUT SHOULD BE 1' MINIMUM. THE ENDS OF THE SAFETY RAIL SHOULD BE FLARED AWAY FROM THE PATH EDGE.

CITY OF RALEIGH		
STANDARD DETAIL		
<i>REVISIONS</i>	<i>DATE: 12/2022</i>	<i>NOT TO SCALE</i>
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