NC DEPARTMENT OF TRANSPORTATION
RAIL DIVISION
ENGINEERING AND SAFETY BRANCH
CAPITAL YARD
1556 MAIL SERVICE CENTER
RALEIGH, NC 27699-1556

COMPLETE STREETS
TYPICAL HIGHWAY SECTIONS AT RAILROAD CROSSING

LEGEND:

SW – SIDEWALK
BL – BIKE LANE
EB – EARTH BERM
C&G – CURB & GUTTER

NOTES:

1. PARKING SHALL NOT BE ALLOWED IN RAILROAD R/W.
   TAPER EXISTING PARKING LANE FROM SECTION A–A TO SECTION B–B.

2. PROVIDE 50'X100' SIGHT TRIANGLES.
   SIGHT TRIANGLES ARE MEASURED FROM CENTERLINE OF TRACK.

3. SIDEWALK WILL BE ASPHALT WITHIN 13' OF RAILROAD CENTERLINE.

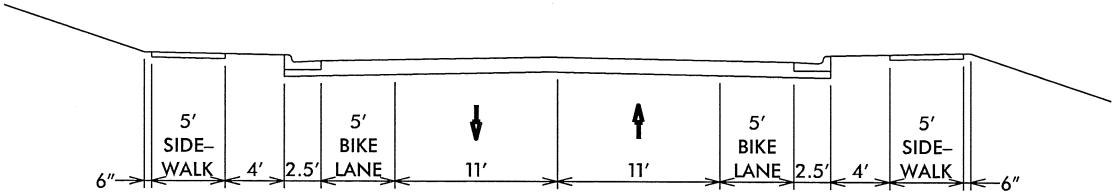
4. THE RAILROAD'S REQUIREMENT FOR MAXIMUM GATE LENGTH WILL DETERMINE THE LOCATION OF THE SIDEWALK (BACK OF CURB OR BACK OF EB).

5. SIDEWALK TAPER LENGTH SHOULD BE A MINIMUM OF 20:1.

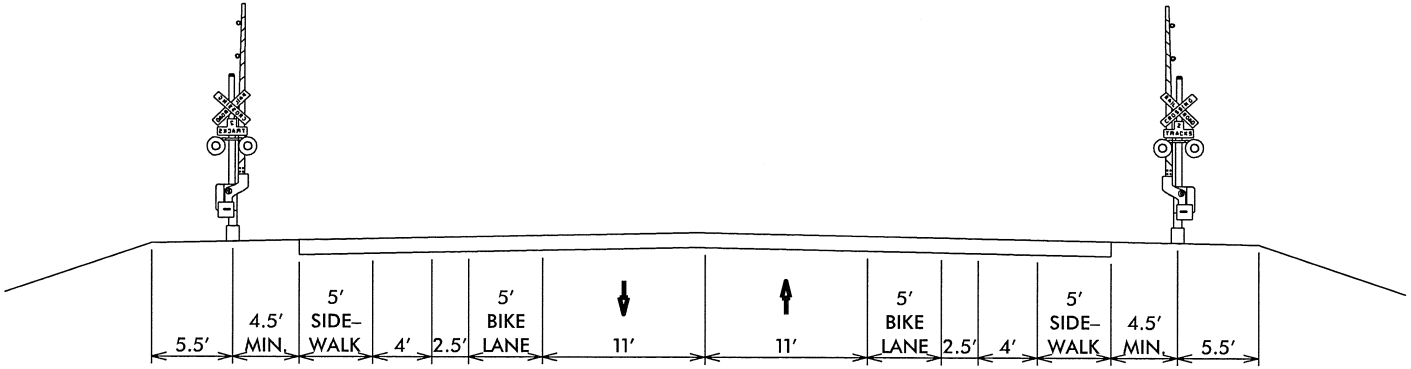
6. TYPICAL SECTIONS SHOULD MATCH THE ROADWAY TYPICAL SECTION.

7. ADA DETECTABLE WARNING DOMES SHALL BE PROVIDED IN THE SIDEWALK 17' FROM THE RAILROAD CENTERLINE. (SEE DOME SPECIFICATION FOR DIMENSIONS.)

2 LANE HIGHWAY
CURB AND GUTTER WITH BIKE LANES
AND OFFSET SIDEWALK



SECTION A–A



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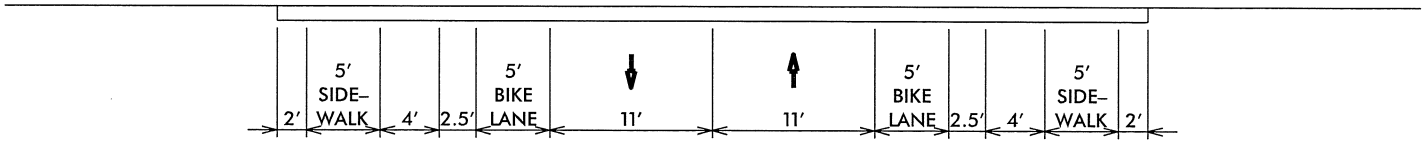

SECTION C–C

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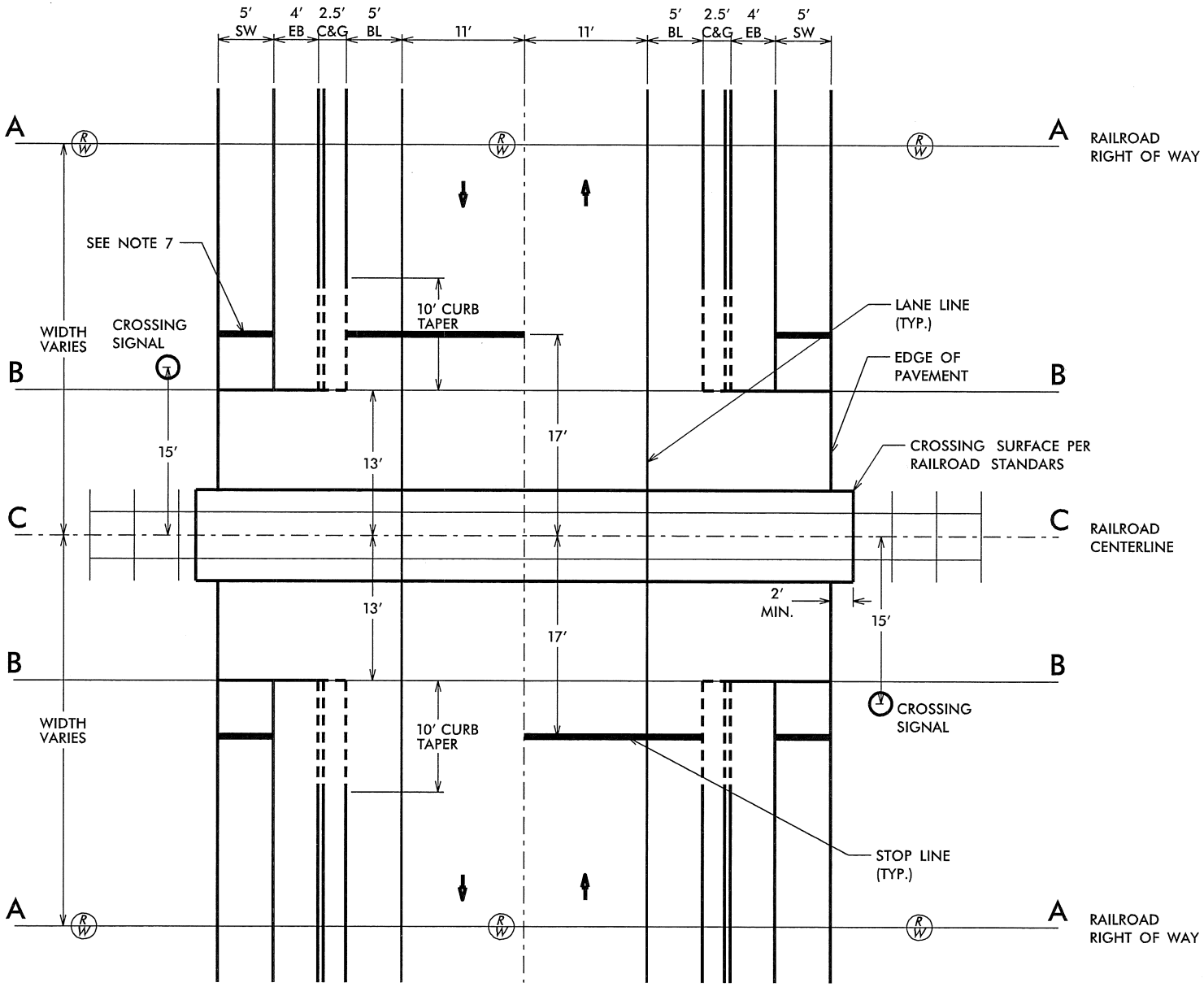
CURB AND GUTTER WITH BIKE LANES
AND OFFSET SIDEWALK



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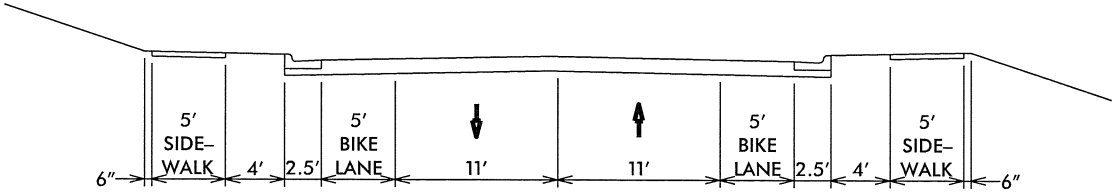

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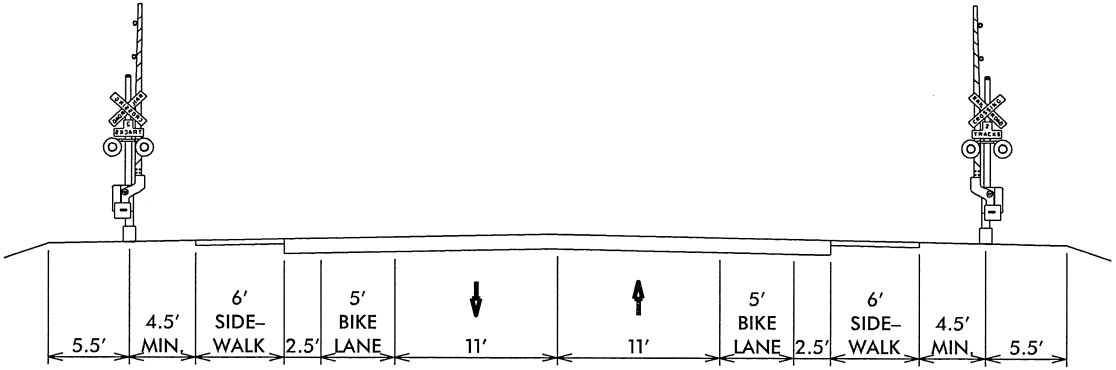

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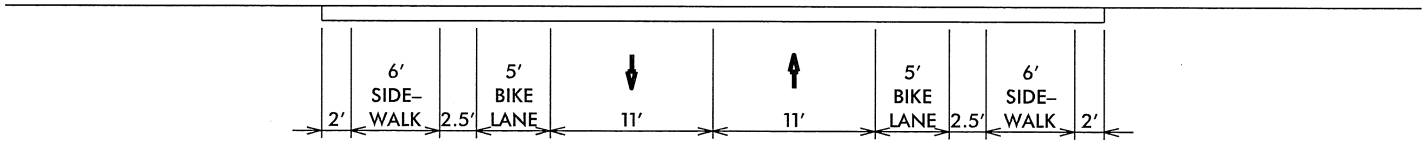

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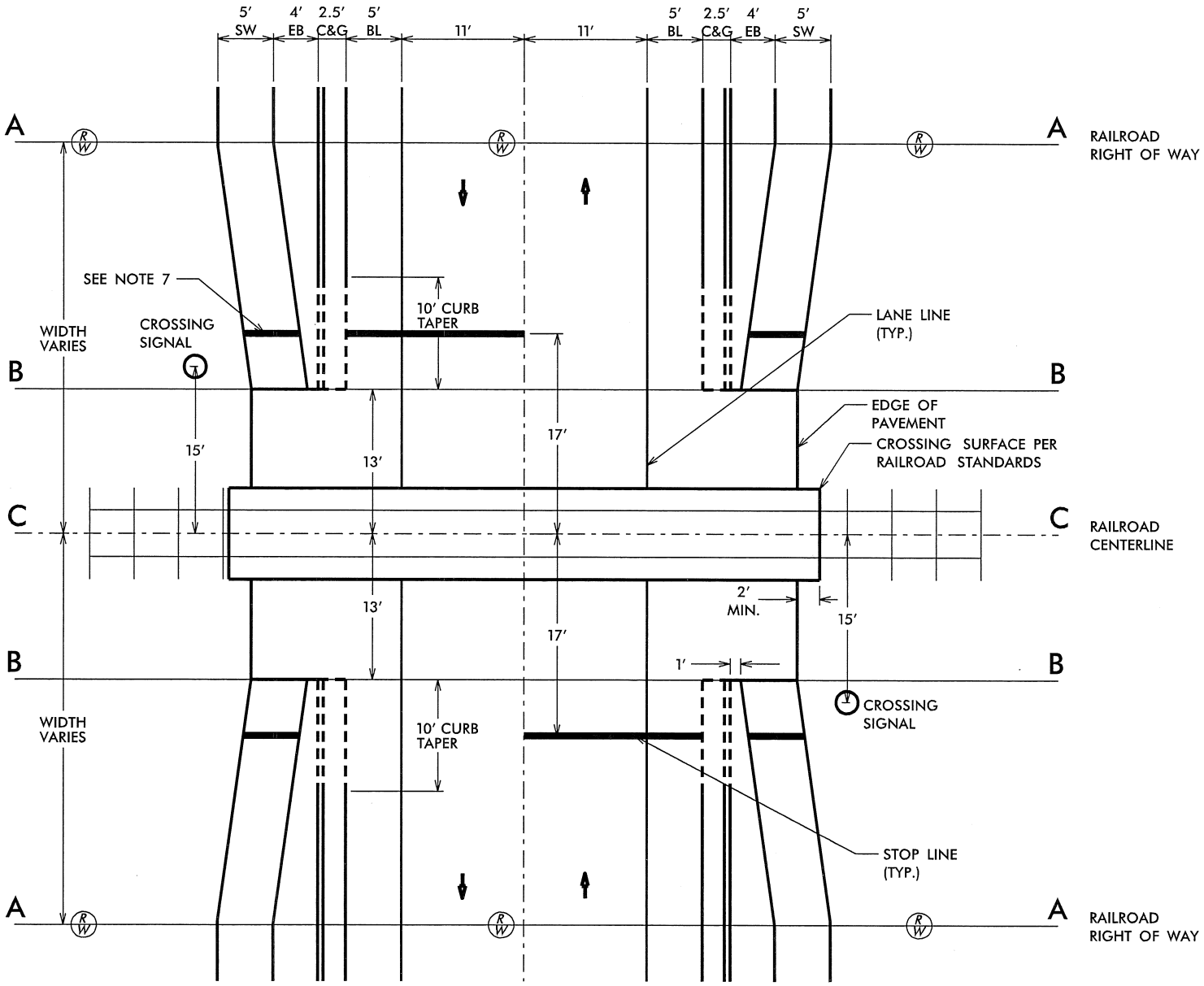

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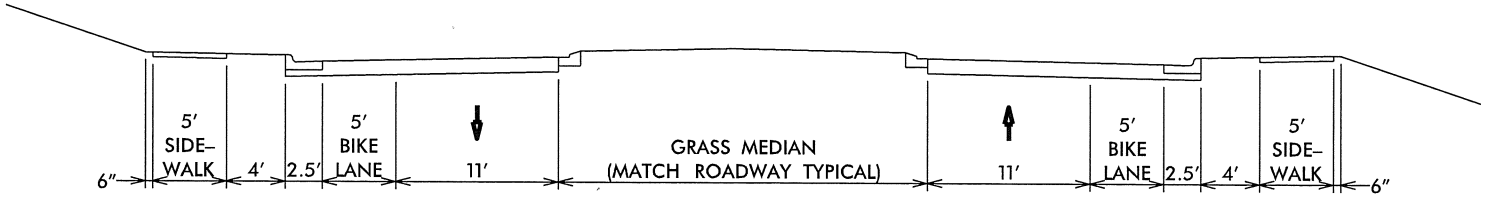
CURB AND GUTTER WITH BIKE LANES
AND OFFSET SIDEWALK



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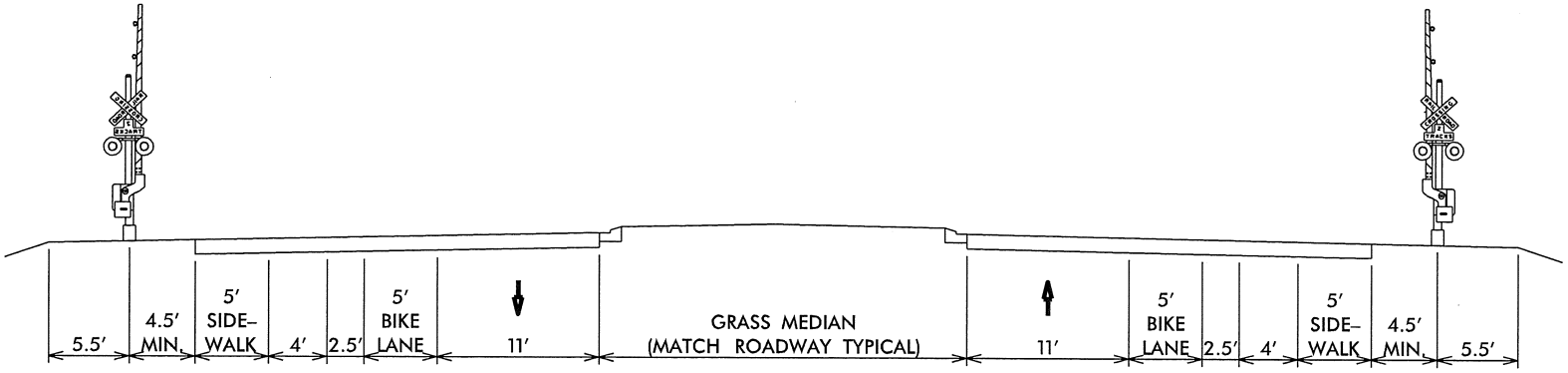

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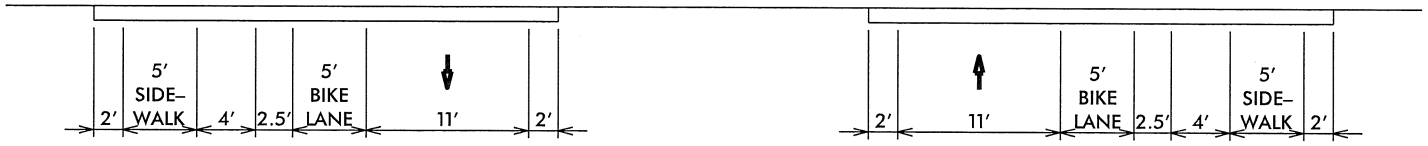

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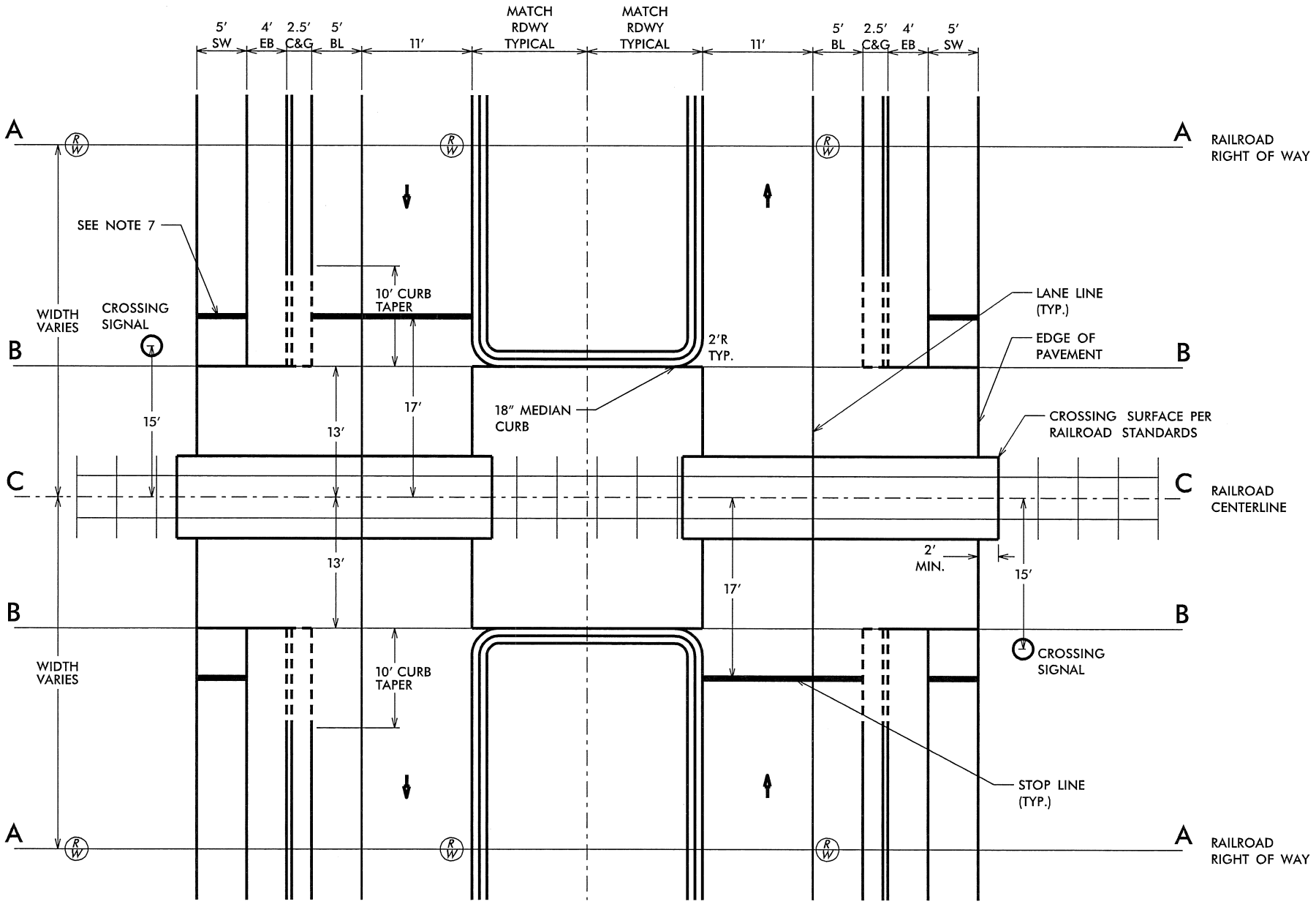

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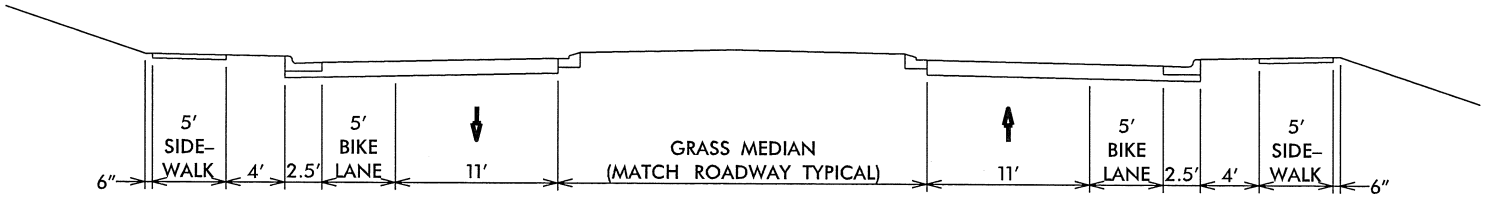

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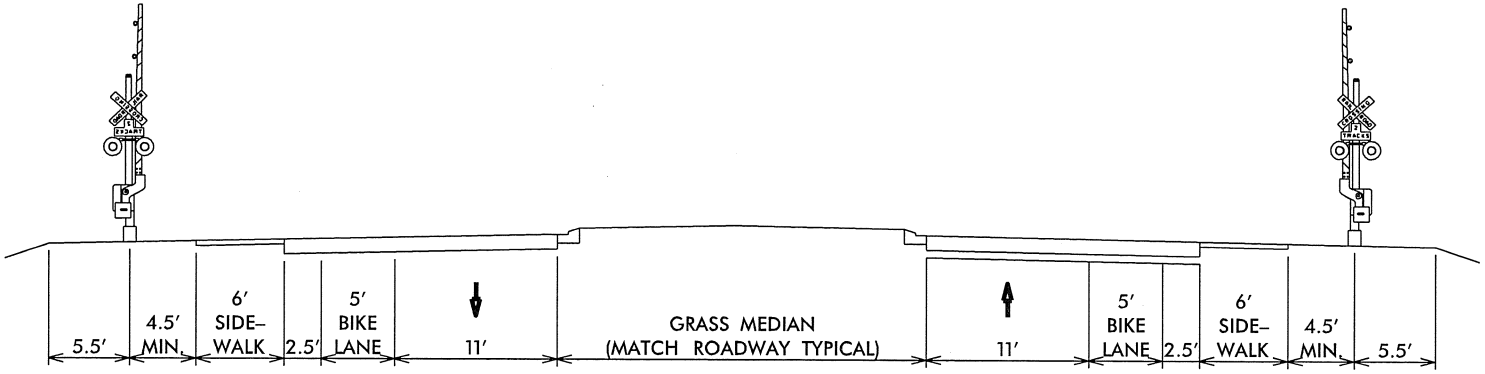

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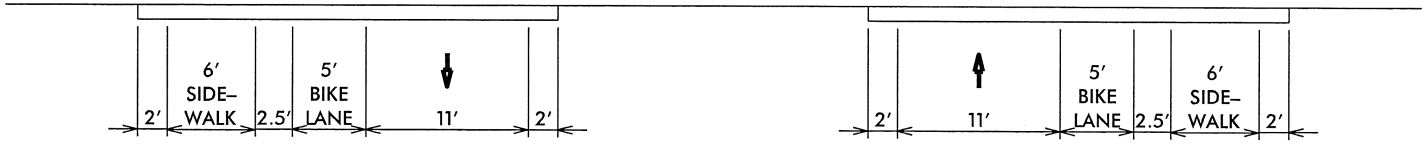

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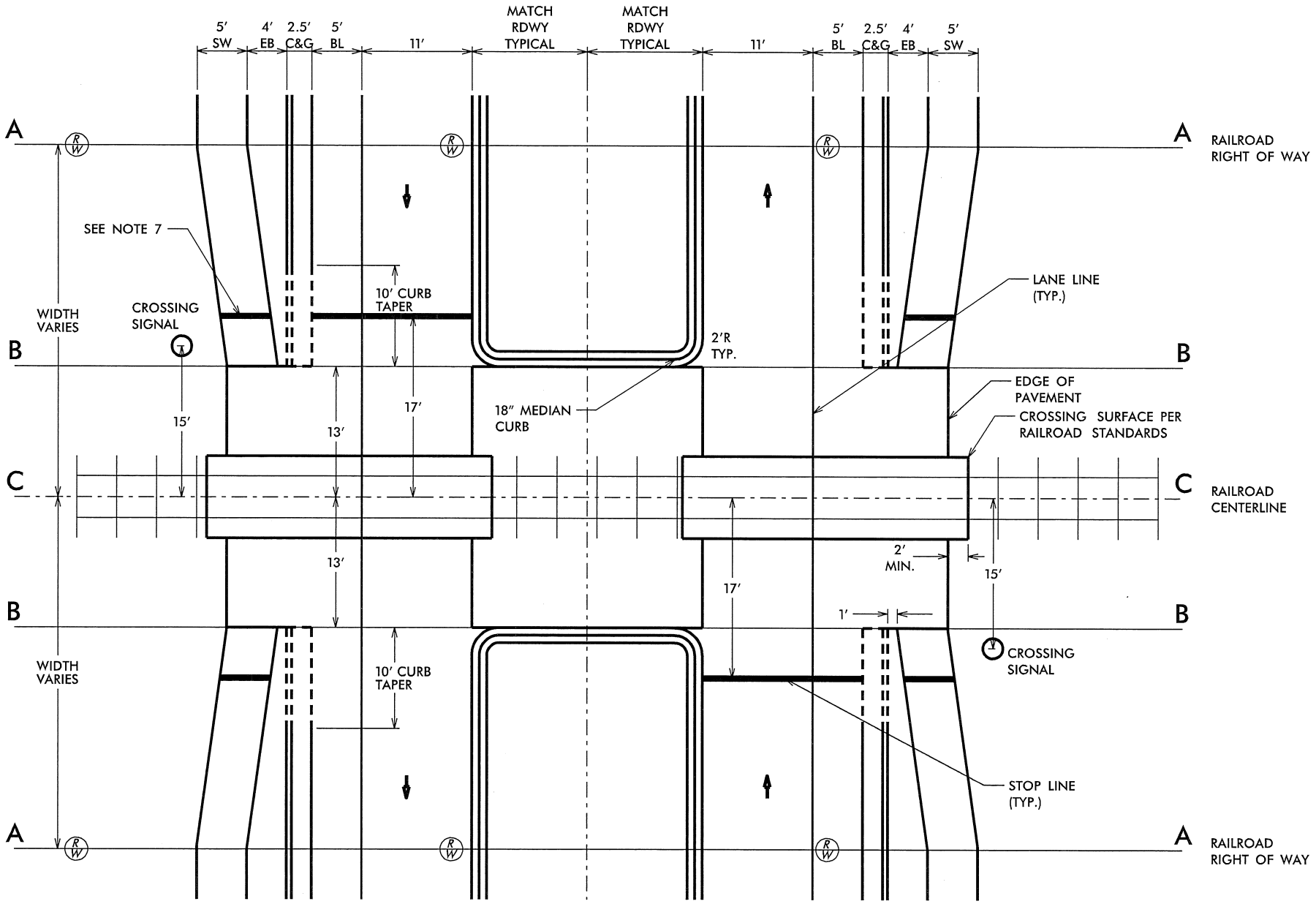
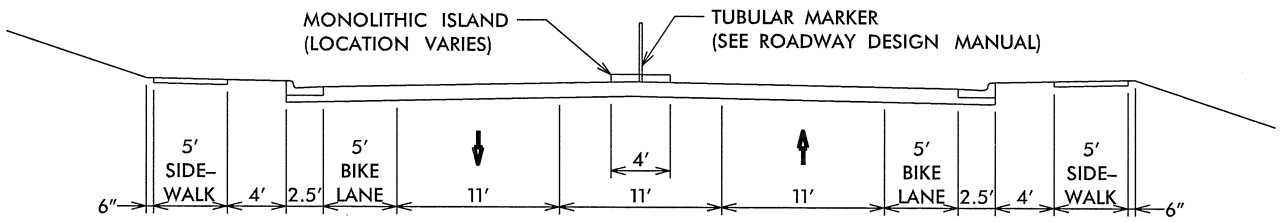


2 LANE WITH CENTER TURN LANE
CURB AND GUTTER WITH BIKE LANES
AND OFFSET SIDEWALK



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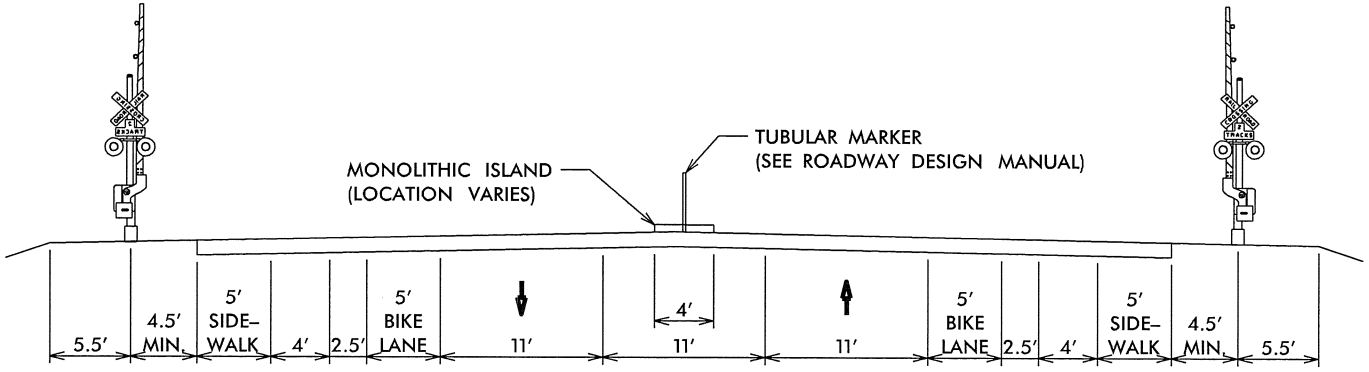

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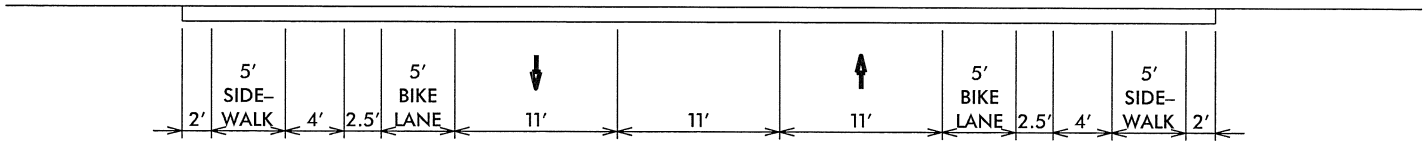

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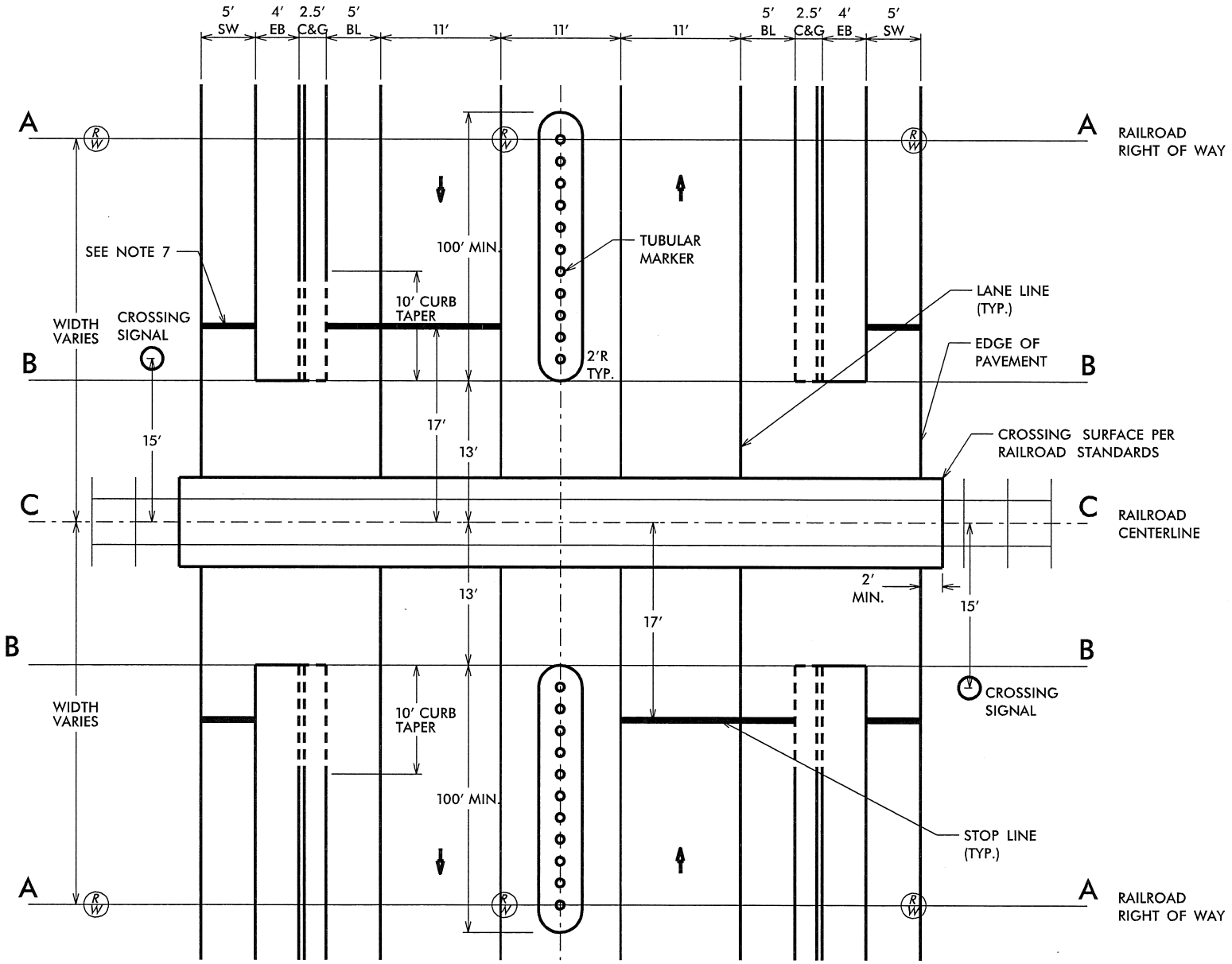

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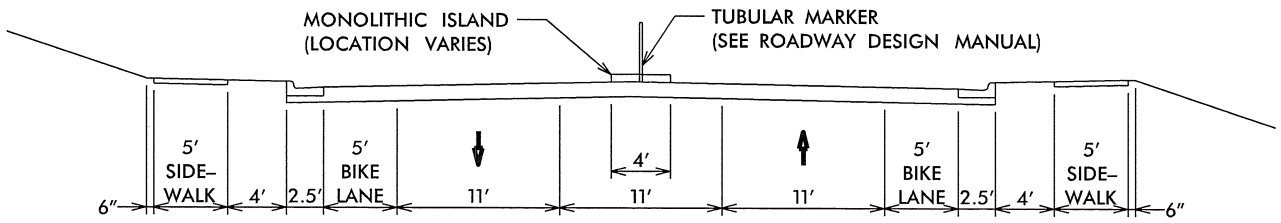

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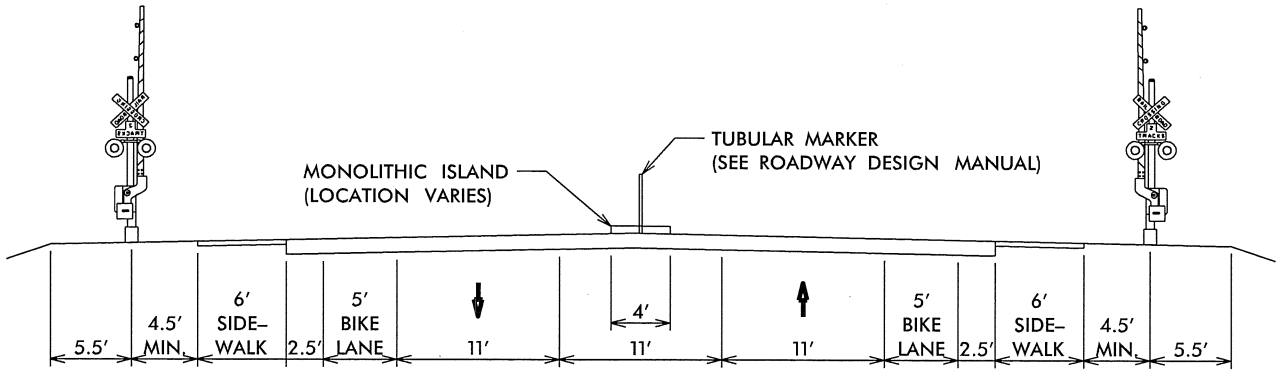

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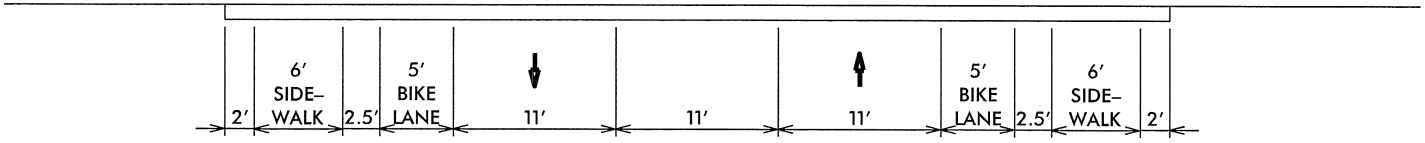

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CURB AND GUTTER WITH BIKE LANES
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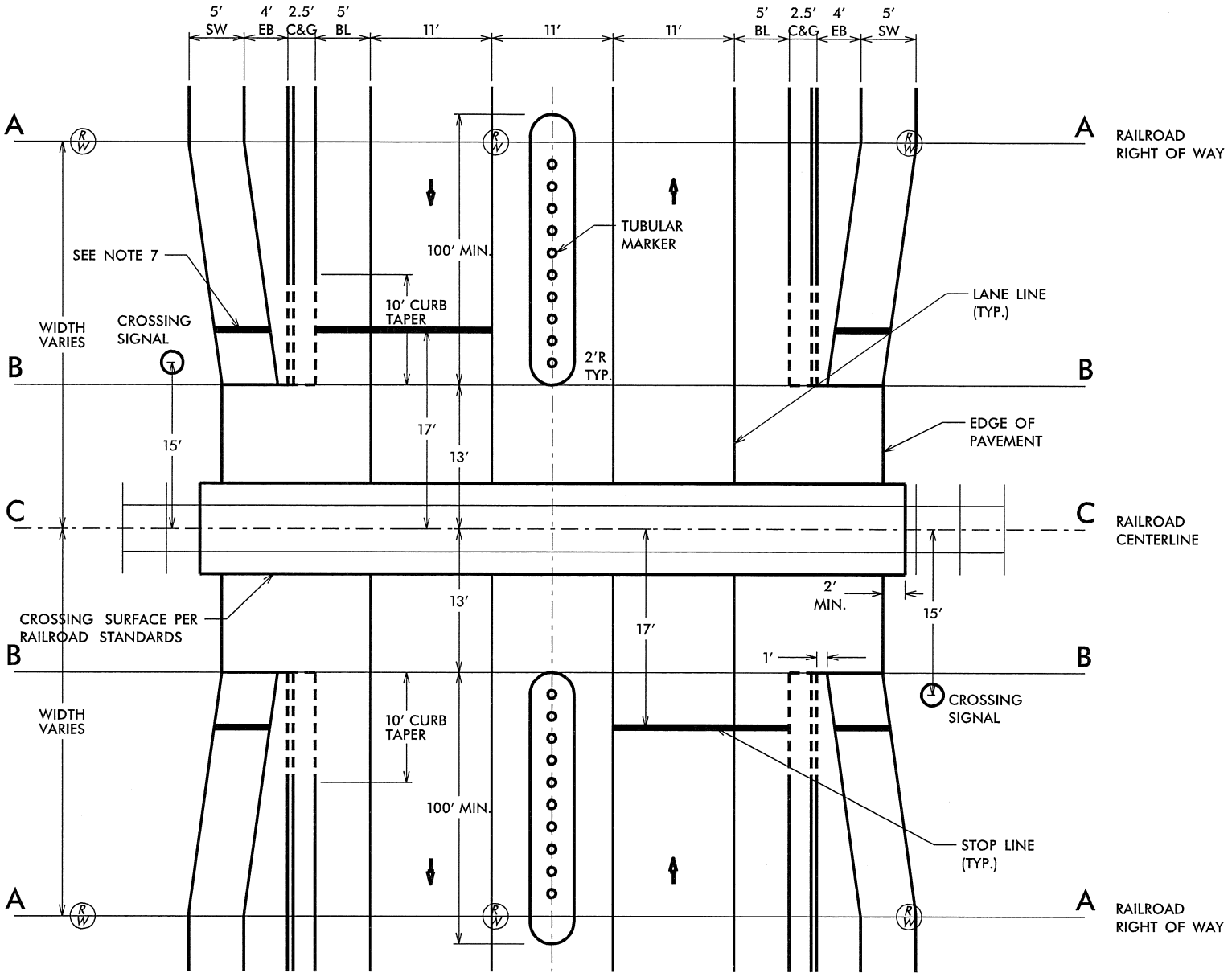
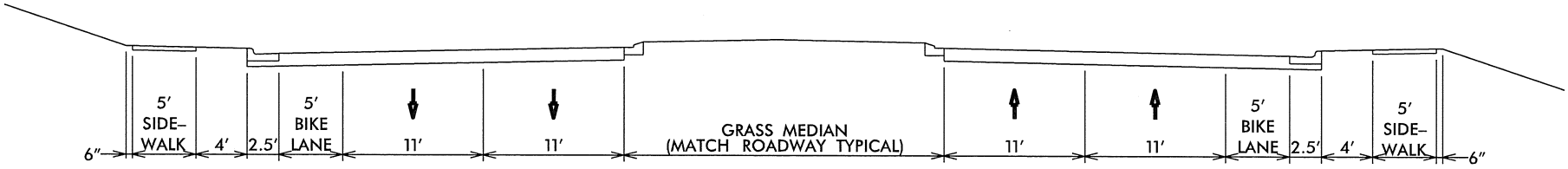


4 LANE WITH MEDIAN
CURB AND GUTTER WITH BIKE LANES
AND OFFSET SIDEWALK



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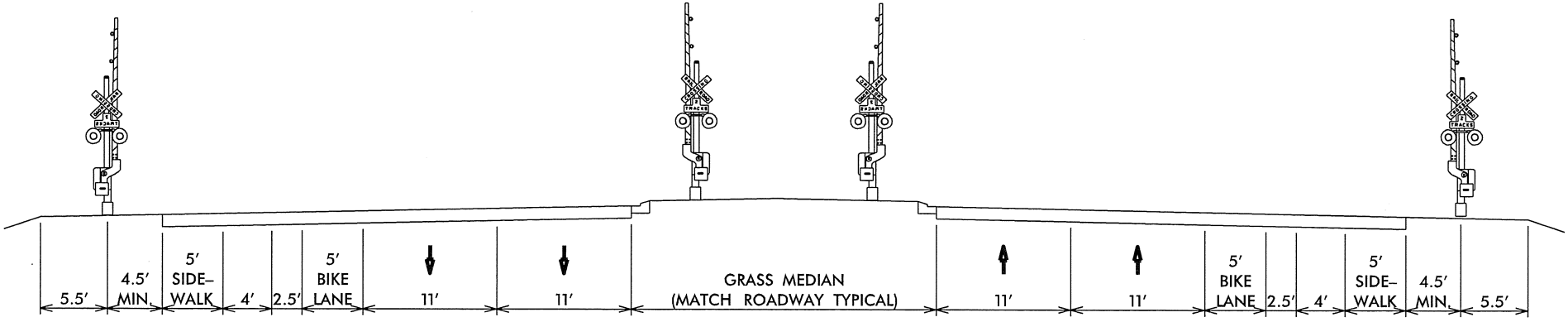

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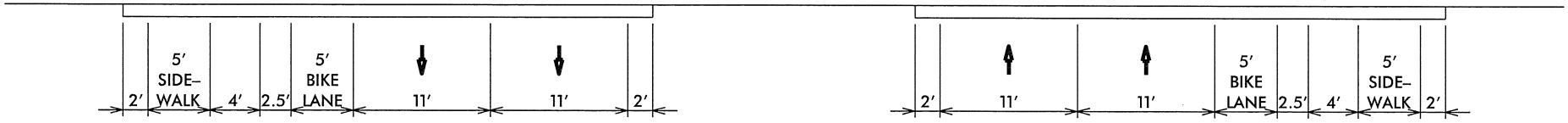

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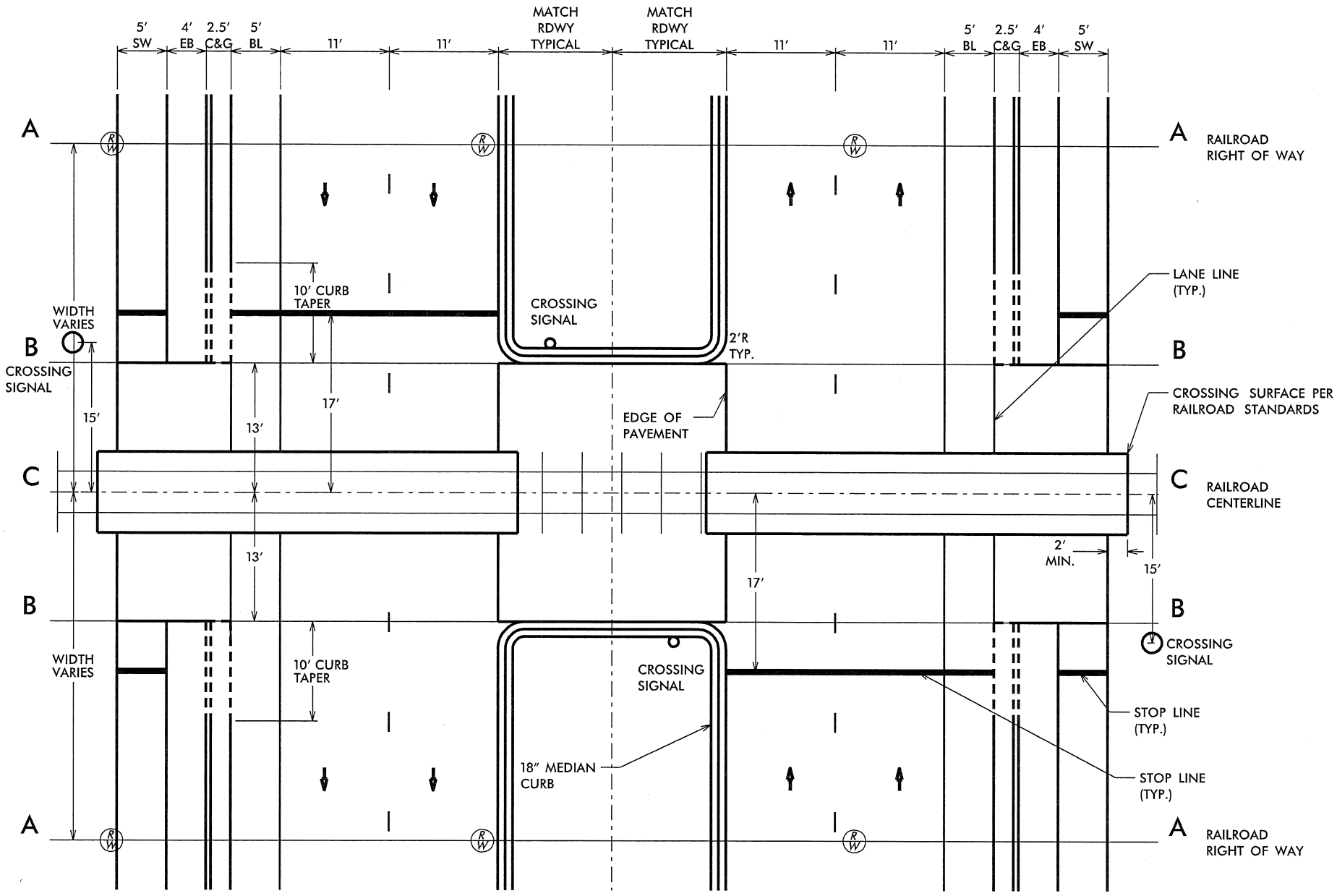

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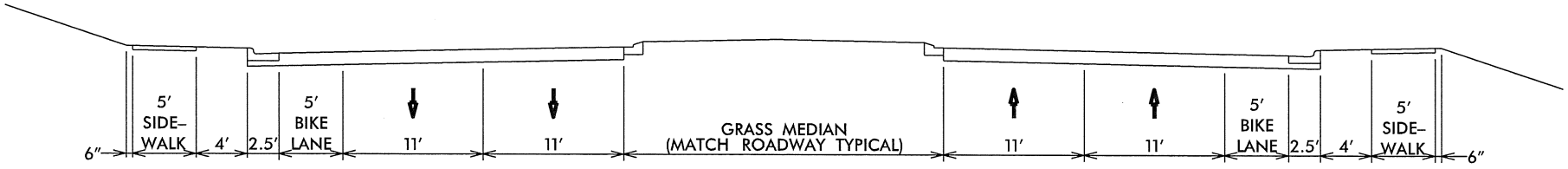

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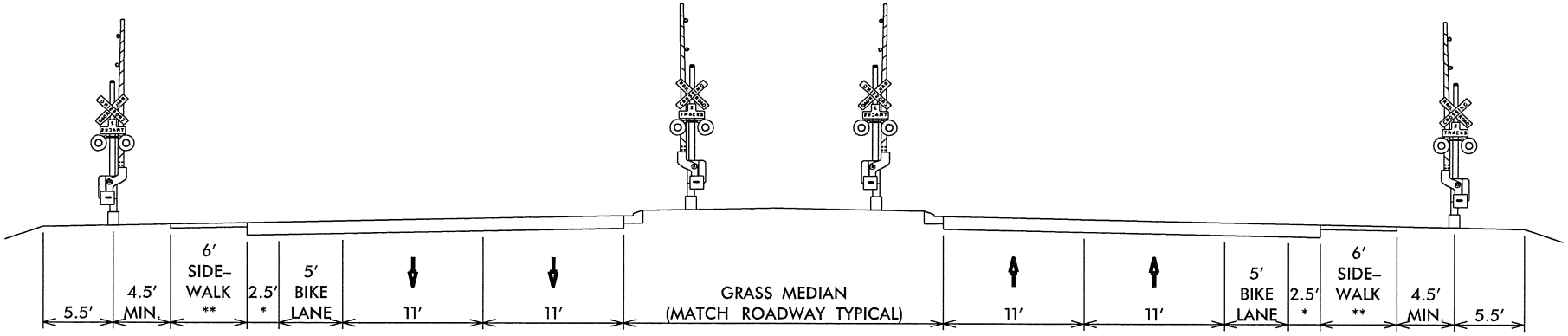

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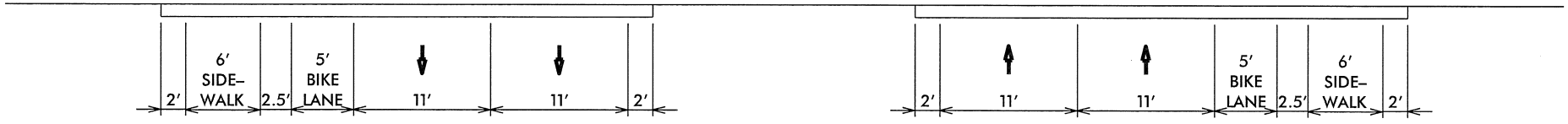

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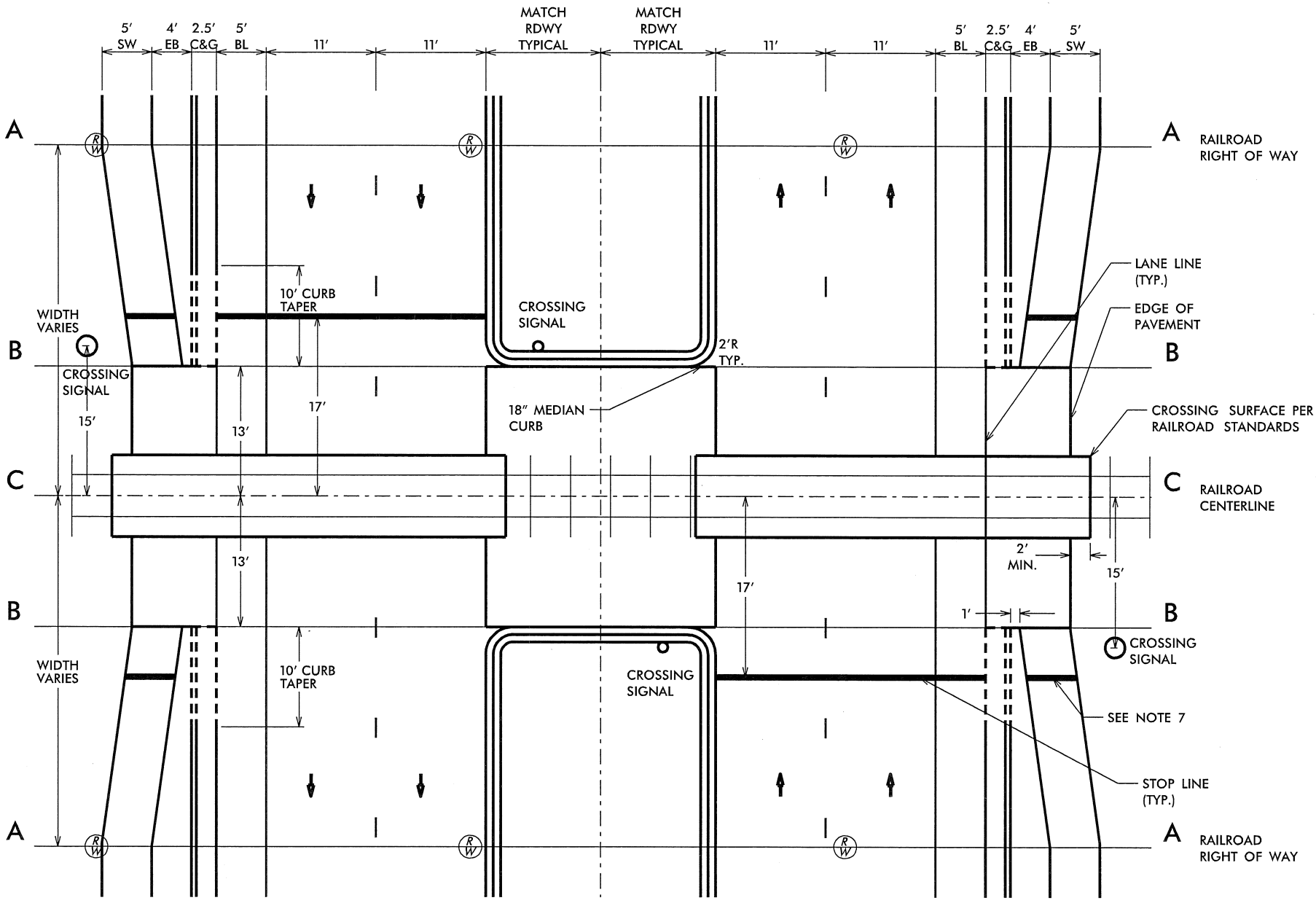

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CURB AND GUTTER WITH WIDE OUTSIDE LANE
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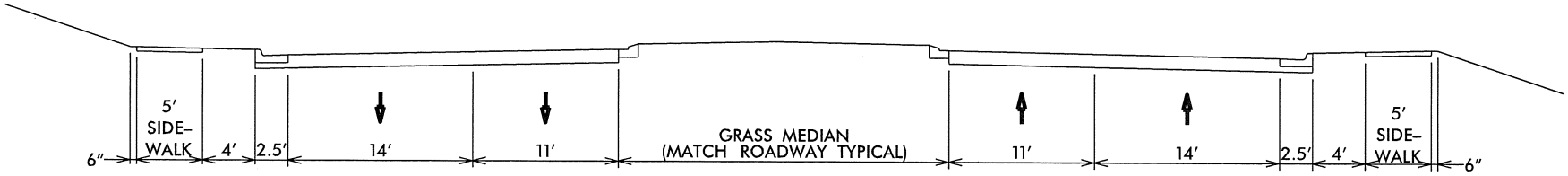

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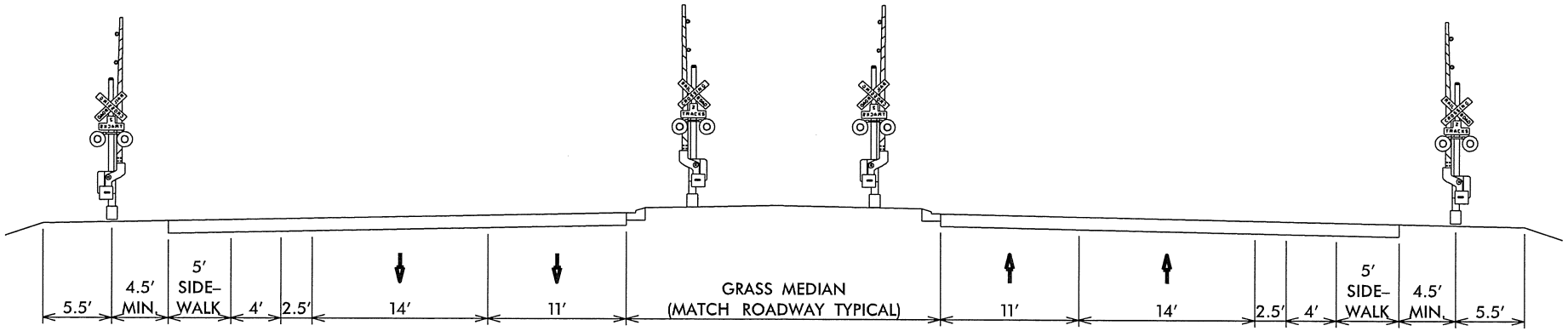

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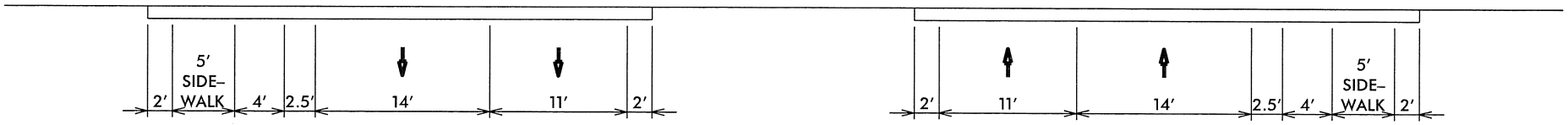

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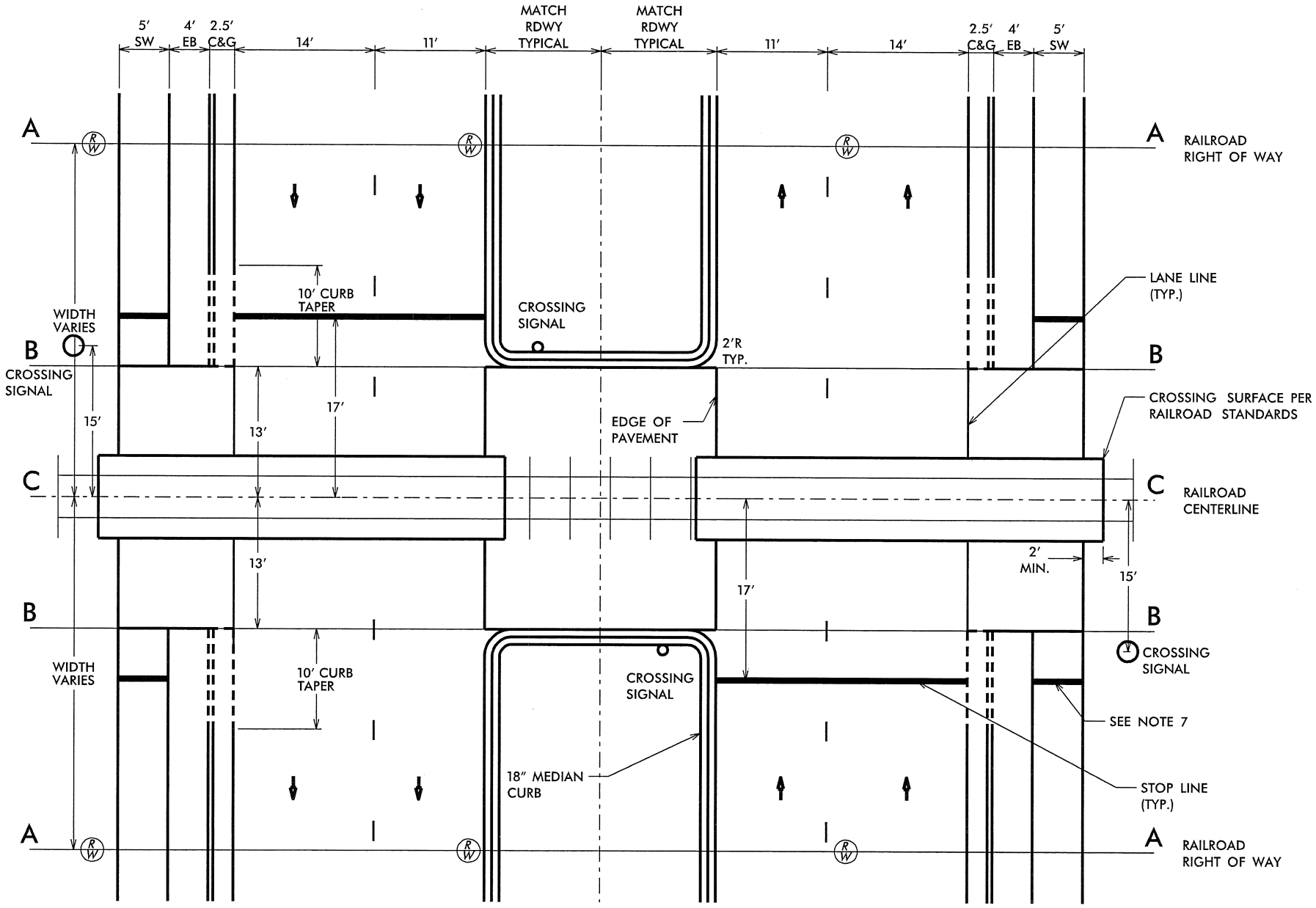

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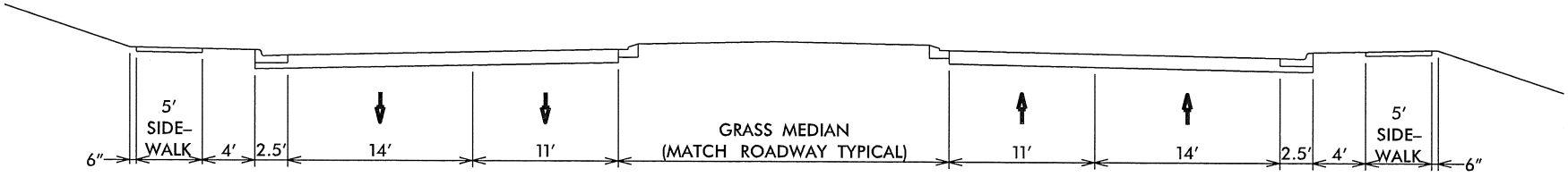

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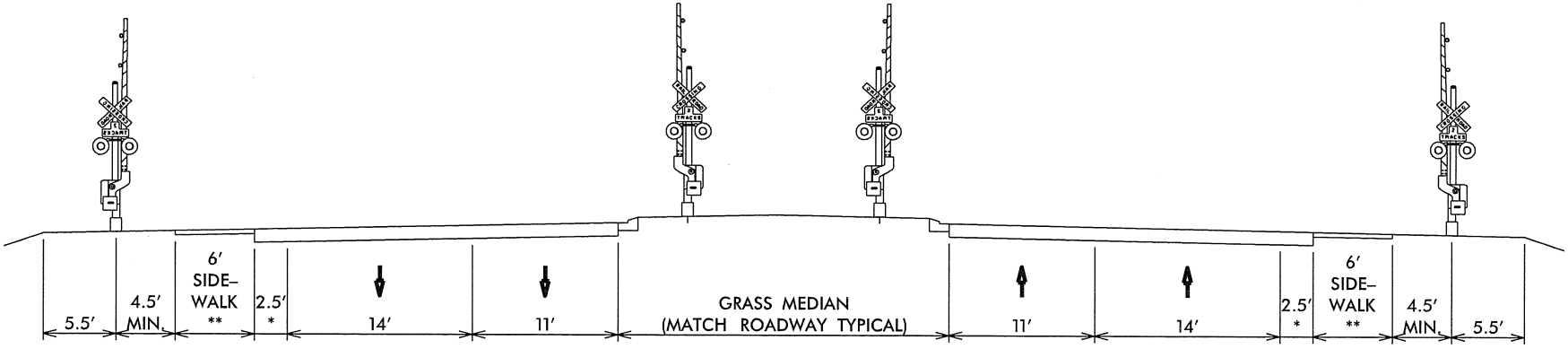

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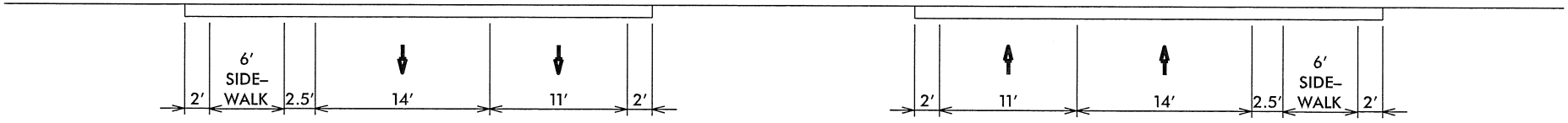

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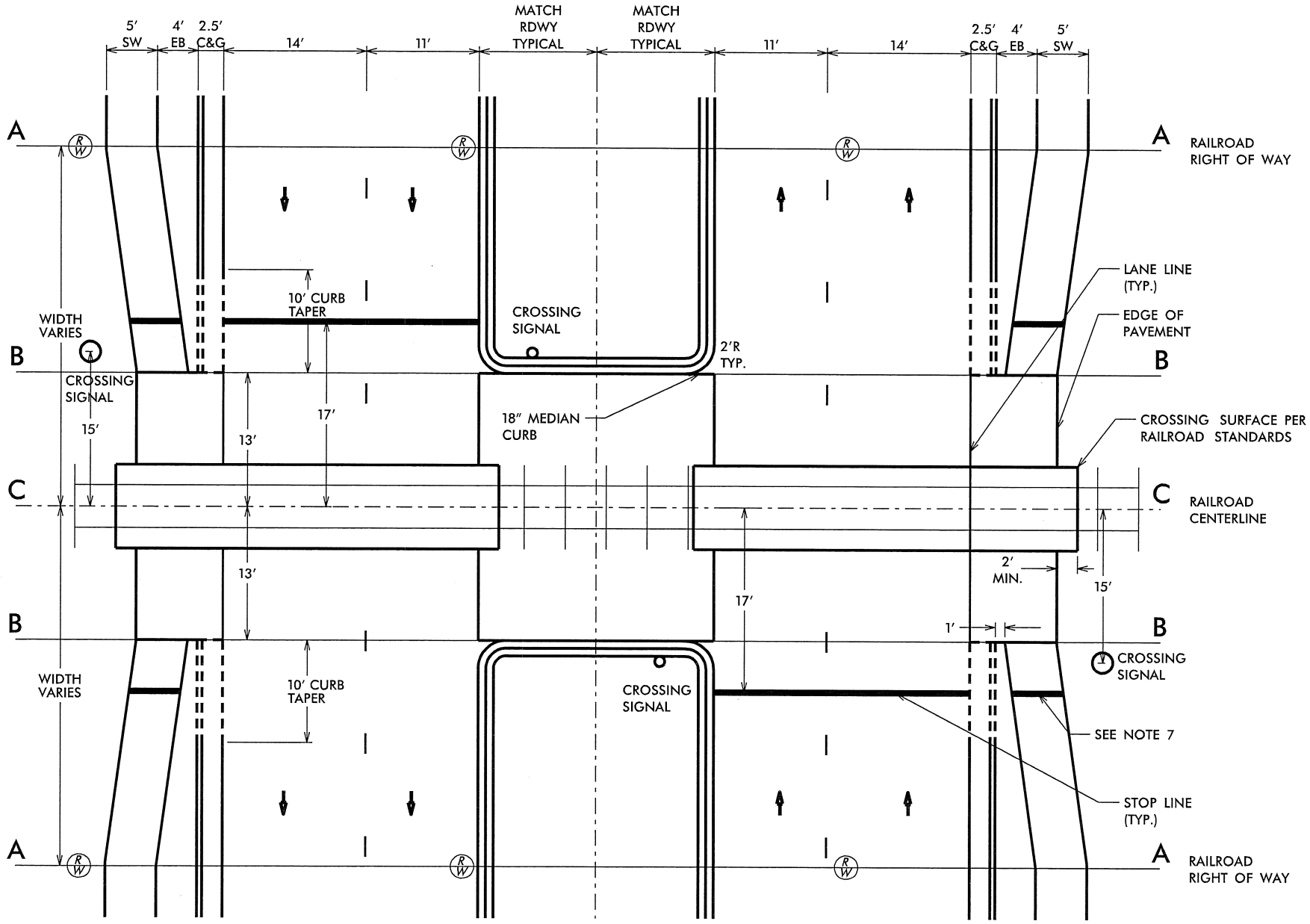

5 LANE WITH CENTER TURN LANE
CURB AND GUTTER WITH WIDE OUTSIDE LANE
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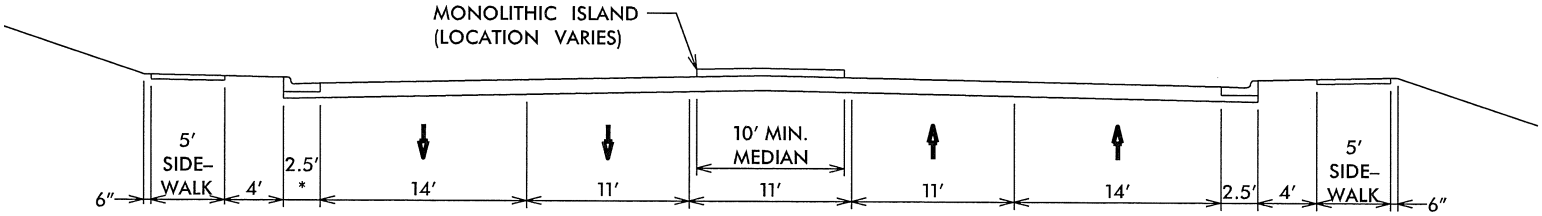

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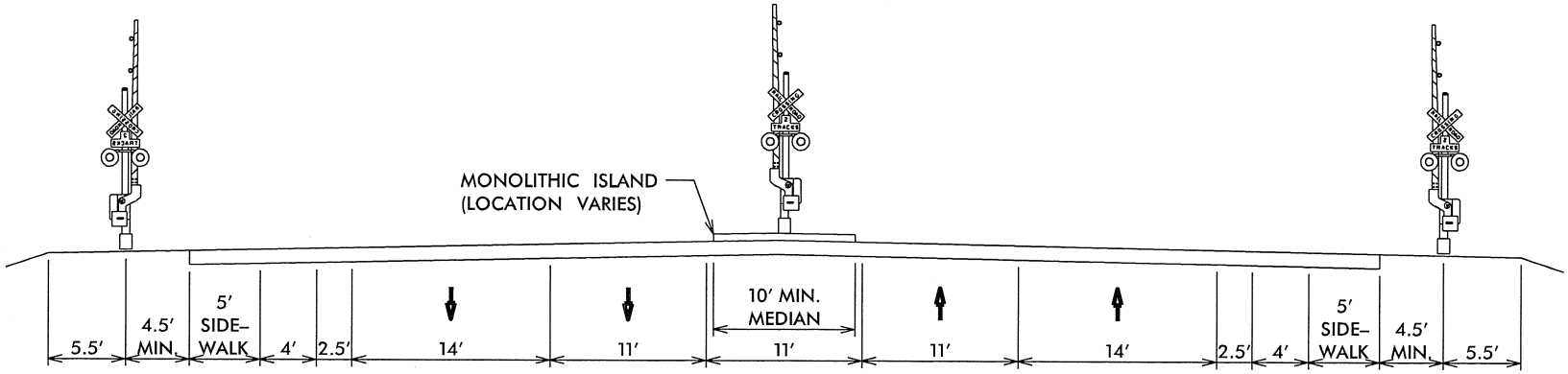

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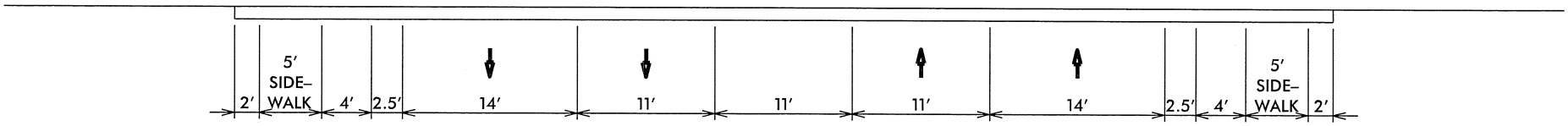
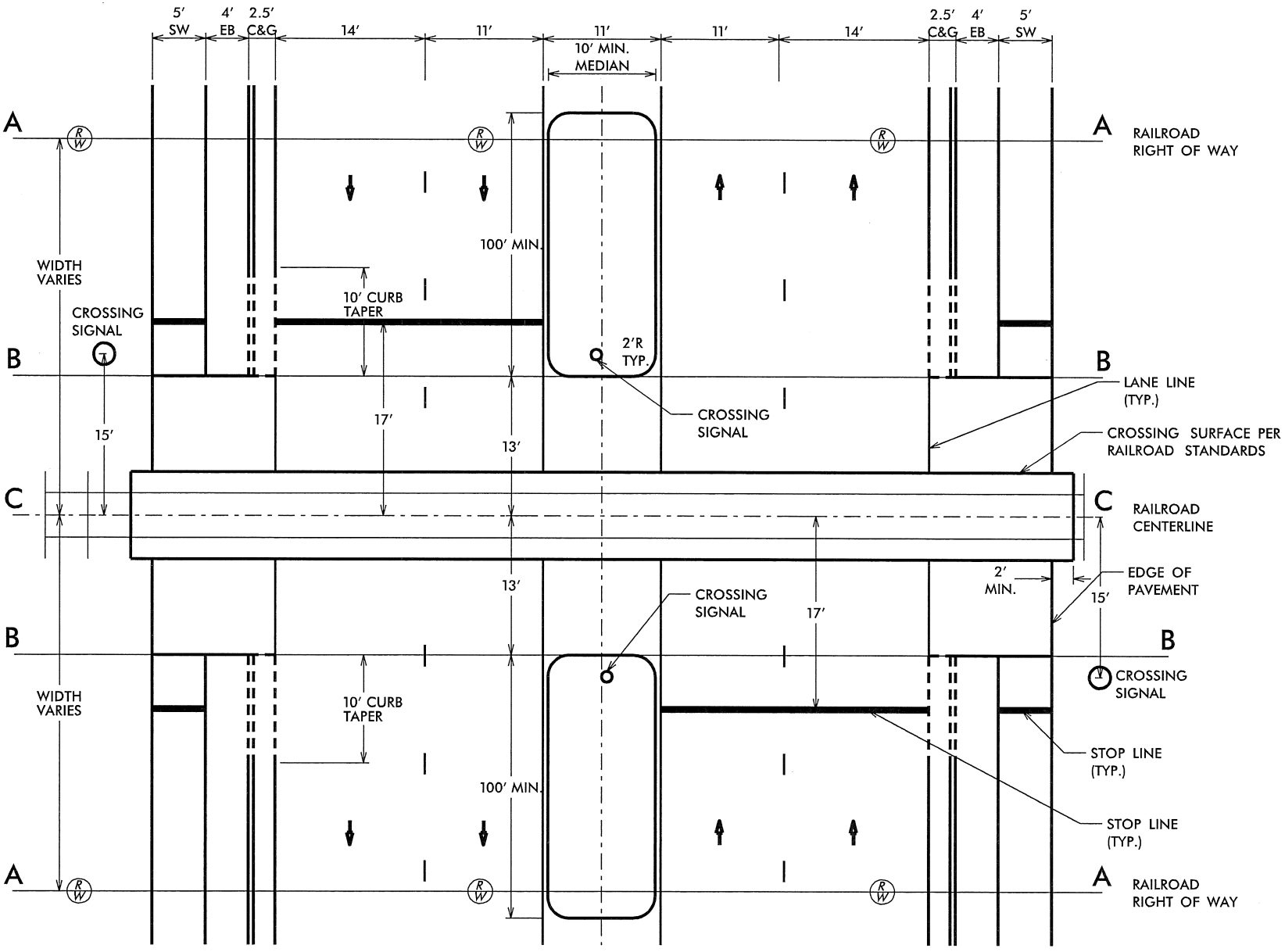


SECTION C–C

5 LANE WITH CENTER TURN LANE
CURB AND GUTTER WITH WIDE OUTSIDE LANE
AND OFFSET SIDEWALK



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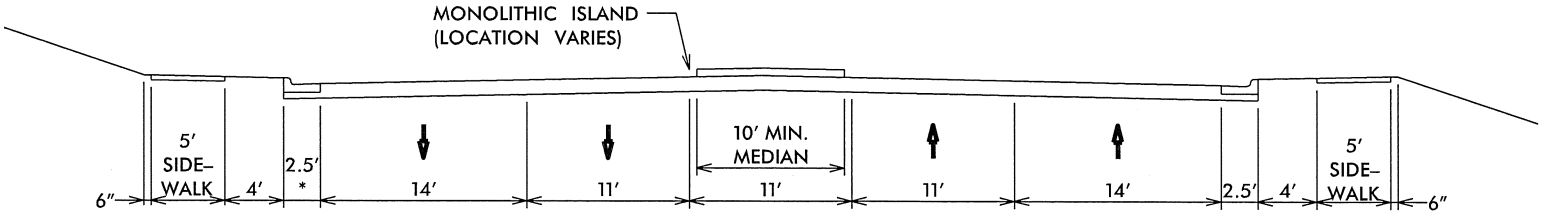

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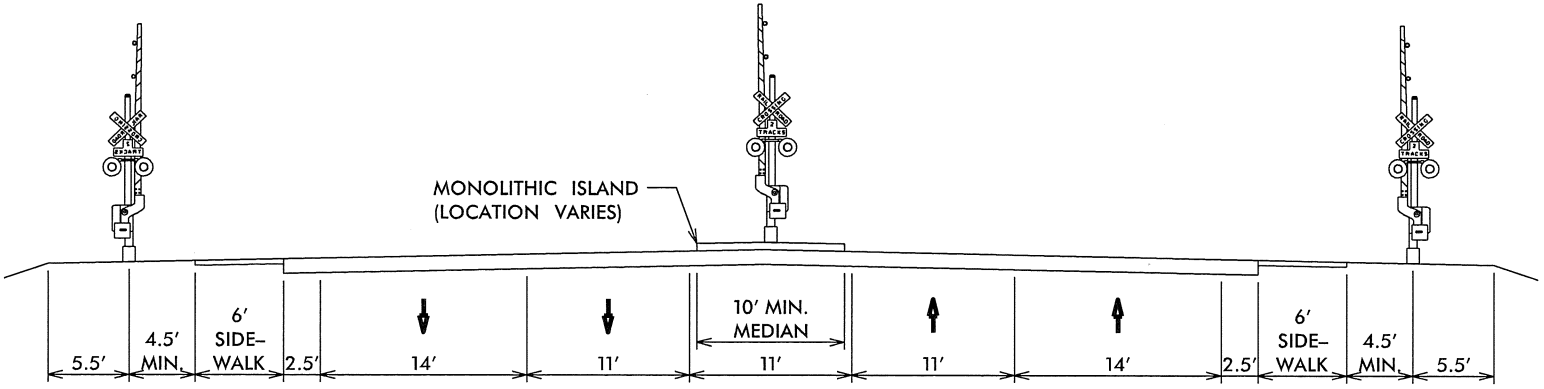

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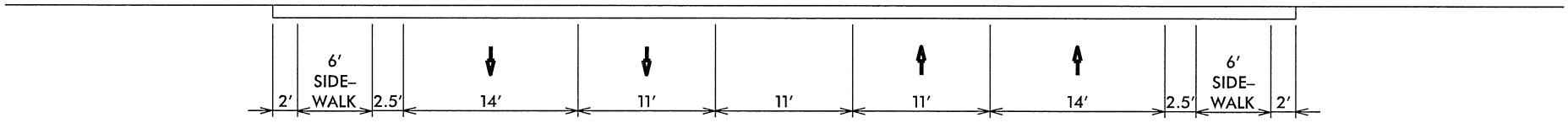

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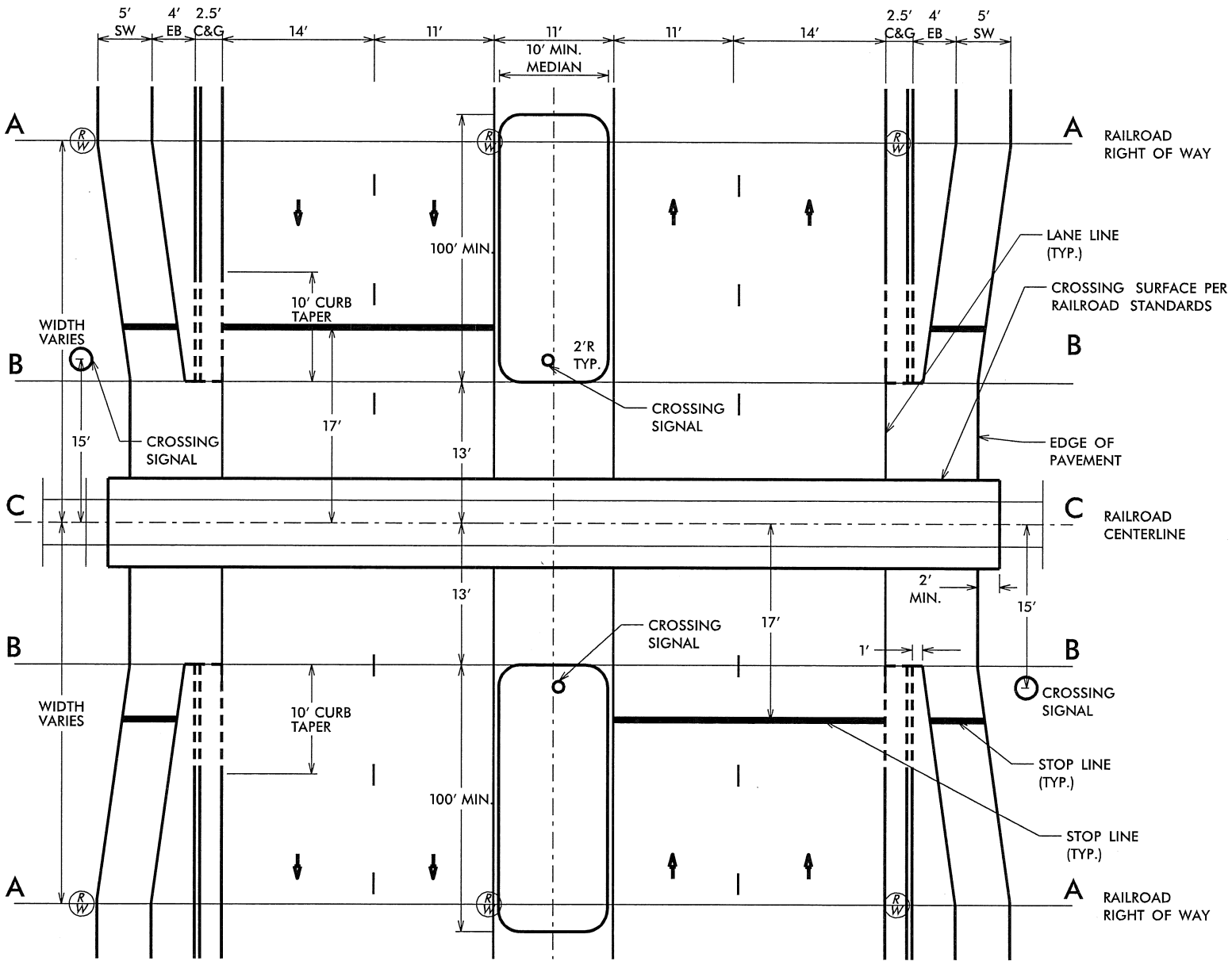
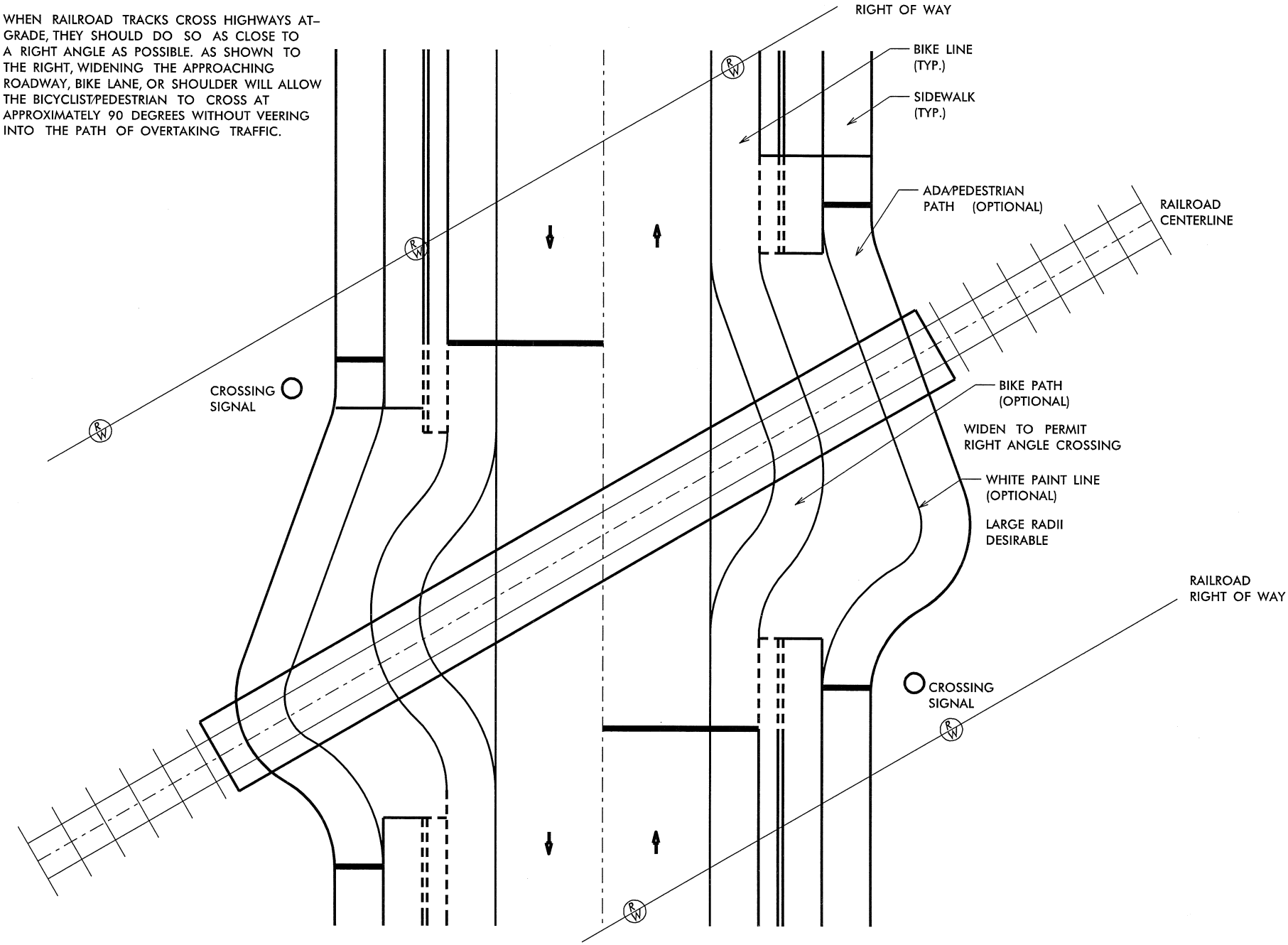


NOTE:

1. WHEN RAILROAD TRACKS CROSS HIGHWAYS AT-GRADE, THEY SHOULD DO SO AS CLOSE TO A RIGHT ANGLE AS POSSIBLE. AS SHOWN TO THE RIGHT, WIDENING THE APPROACHING ROADWAY, BIKE LANE, OR SHOULDER WILL ALLOW THE BICYCLIST/PEDESTRIAN TO CROSS AT APPROXIMATELY 90 DEGREES WITHOUT VEERING INTO THE PATH OF OVERTAKING TRAFFIC.

FLARED ROADWAY FOR BIKES AND PEDESTRIANS