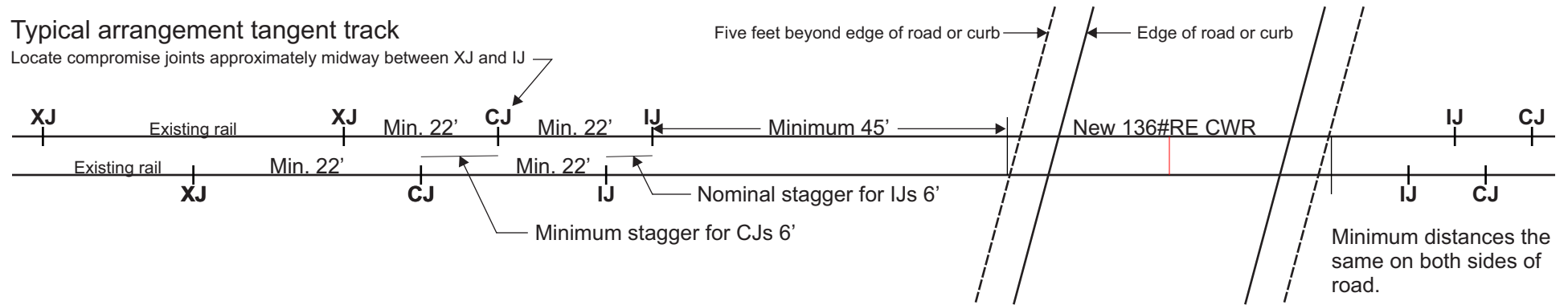


# CHESAPEAKE AND DELAWARE, LLC BLACK RIVER RAILROAD SYSTEM

XJ ~ Existing Joint  
CJ ~ Compromise Joint  
IJ ~ Insulated Joint

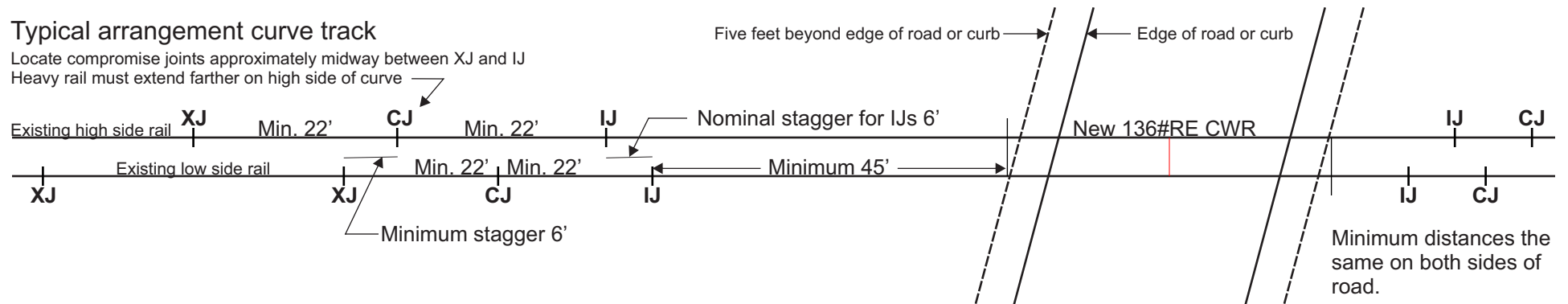
## Typical arrangement tangent track

Locate compromise joints approximately midway between XJ and IJ



## Typical arrangement curve track

Locate compromise joints approximately midway between XJ and IJ  
Heavy rail must extend farther on high side of curve



1. Typical layout for public grade crossing island where no turnouts or other special track or structures exist.
2. Island shall be new 136#RE CWR, except 132#RE CWR shall be used where one or both approaches are 132#RE.
3. All IJs shall be at least fifty (50) feet from the nearest edge of existing road or curb, 6-hole encapsulated, and painted yellow.
4. All CJs shall be specific for the rails being matched and of the proper orientation.
5. New 7"x9" grade creosoted wood ties on nominal 24" centers shall be used throughout.
6. Double shoulder tie plates shall be used throughout, with 2 spikes per plate.
7. Railse, line, surface, ditch, clear brush, and regulate not less than eighty (80) feet beyond CJs.
8. Proposals shall include vertical profile and stagger plans specific to each crossing.
9. All work to meet applicable NJDOT Commisioner's Order.
10. All materials must be made in the USA, with providence.