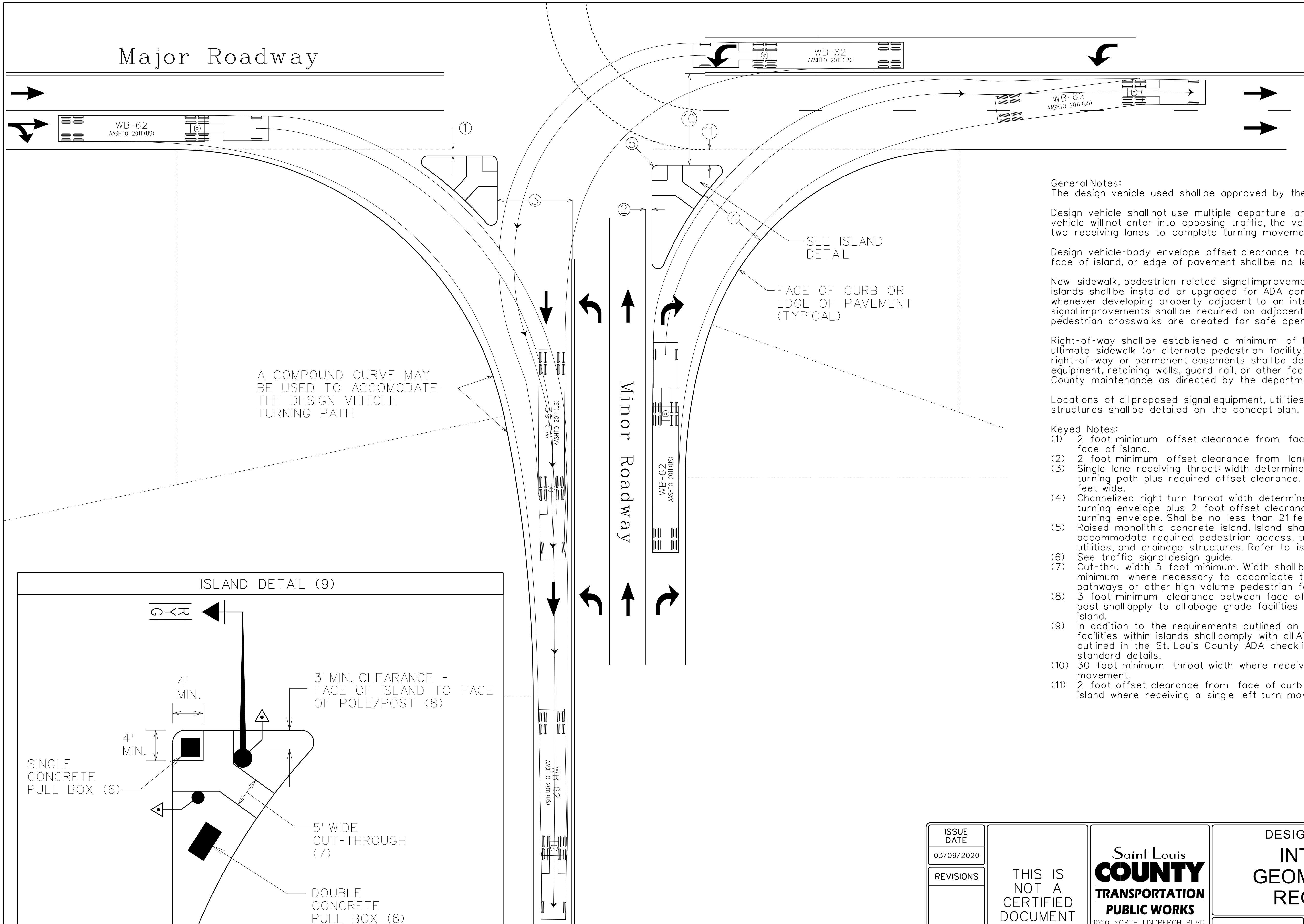


Major Roadway



A COMPOUND CURVE MAY BE USED TO ACCOMMODATE THE DESIGN VEHICLE TURNING PATH

SEE ISLAND DETAIL
FACE OF CURB OR EDGE OF PAVEMENT (TYPICAL)

General Notes:
The design vehicle used shall be approved by the Department.

Design vehicle shall not use multiple departure lanes. Where the Design vehicle will not enter into opposing traffic, the vehicle may use up to two receiving lanes to complete turning movement.

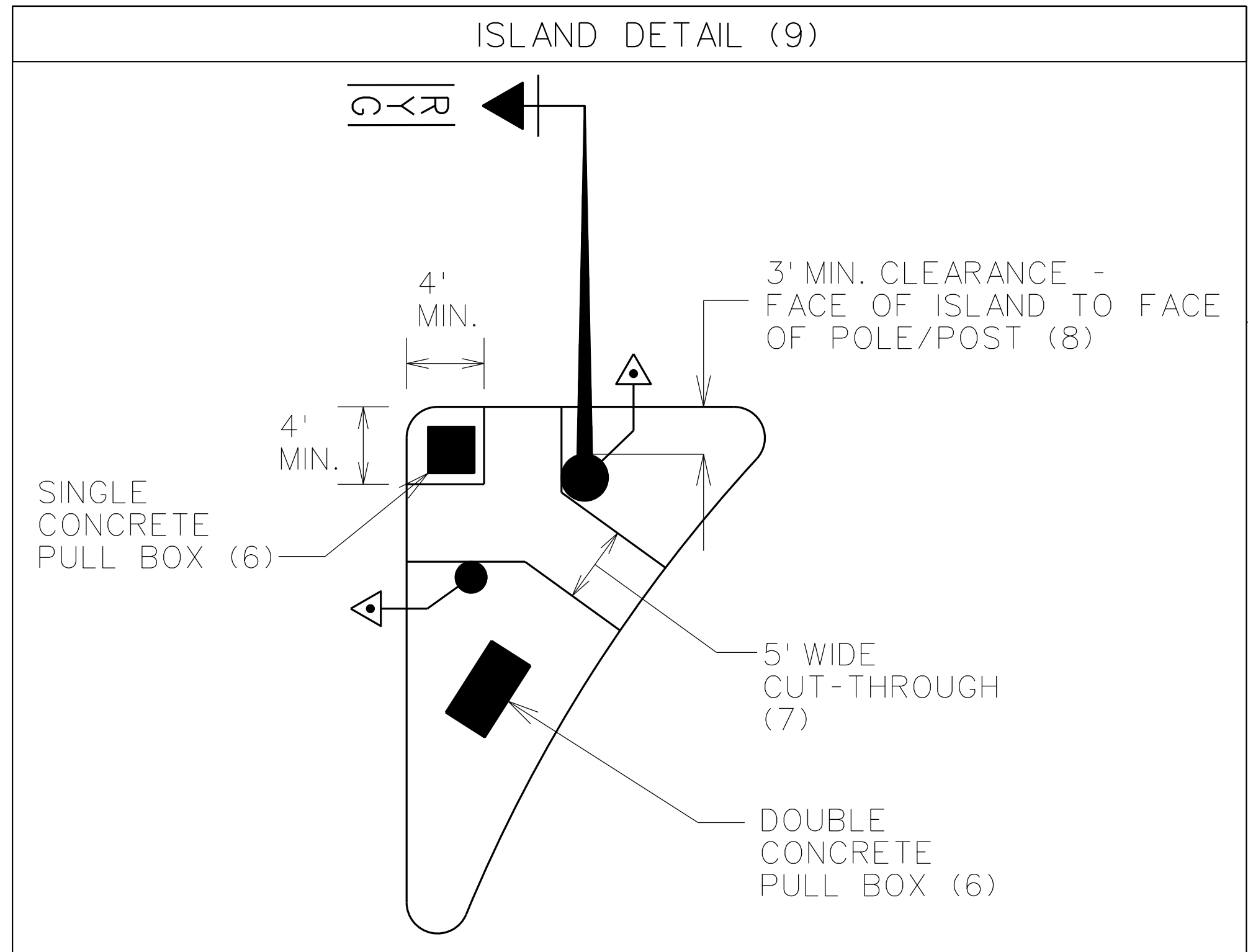
Design vehicle-body envelope offset clearance to any face of curb, face of island, or edge of pavement shall be no less than two (2) feet.

New sidewalk, pedestrian related signal improvements, and channelization islands shall be installed or upgraded for ADA compliance as applicable whenever developing property adjacent to an intersection. Pedestrian signal improvements shall be required on adjacent quadrants where new pedestrian crosswalks are created for safe operation of the facility.

Right-of-way shall be established a minimum of 1 foot behind the ultimate sidewalk (or alternate pedestrian facility) location. Additional right-of-way or permanent easements shall be dedicated for signal equipment, retaining walls, guard rail, or other facilities which require County maintenance as directed by the department.

Locations of all proposed signal equipment, utilities, and drainage structures shall be detailed on the concept plan.

- Keyed Notes:**
- (1) 2 foot minimum offset clearance from face of curb extended to face of island.
 - (2) 2 foot minimum offset clearance from lane line to face of island.
 - (3) Single lane receiving throat: width determined by design vehicle turning path plus required offset clearance. Shall be no less than 18 feet wide.
 - (4) Channelized right turn throat width determined by design vehicle turning envelope plus 2 foot offset clearance on each side of the turning envelope. Shall be no less than 21 feet wide.
 - (5) Raised monolithic concrete island. Island shall be sized to accommodate required pedestrian access, traffic signal equipment, utilities, and drainage structures. Refer to island detail.
 - (6) See traffic signal design guide.
 - (7) Cut-thru width 5 foot minimum. Width shall be increased to 8 feet minimum where necessary to accommodate trail crossings, multi-use pathways or other high volume pedestrian facilities.
 - (8) 3 foot minimum clearance between face of island and face of post shall apply to all above grade facilities located within the island.
 - (9) In addition to the requirements outlined on this drawing, pedestrian facilities within islands shall comply with all ADA requirements as outlined in the St. Louis County ADA checklist and curb ramp standard details.
 - (10) 30 foot minimum throat width where receiving a dual left turn movement.
 - (11) 2 foot offset clearance from face of curb extension to face of island where receiving a single left turn movement.



ISSUE DATE 03/09/2020	THIS IS NOT A CERTIFIED DOCUMENT	Saint Louis COUNTY TRANSPORTATION PUBLIC WORKS <small>1050 NORTH LINDBERGH BLVD. ST. LOUIS, MISSOURI 63132</small>	DESIGN CRITERIA MANUAL INTERSECTION GEOMETRIC DESIGN REQUIREMENTS		
REVISIONS			EFFECTIVE 05/01/2020	SHEET 1 OF 1	DRAWING 5.3