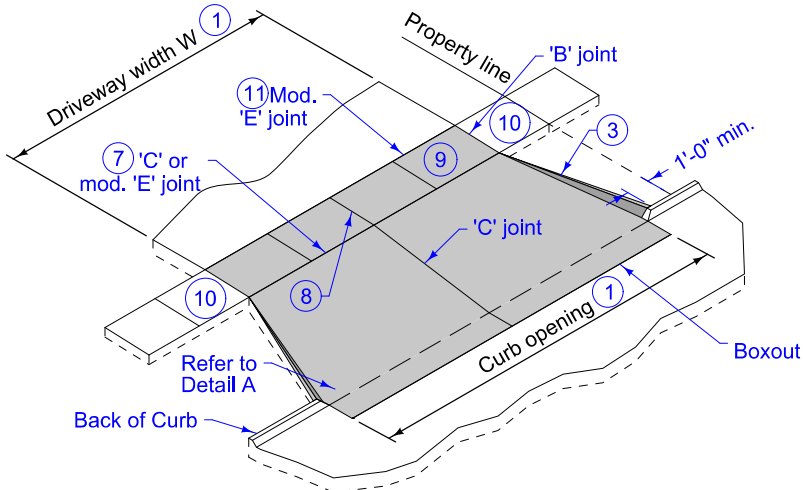
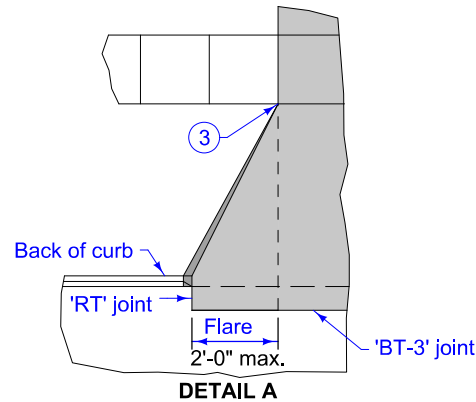


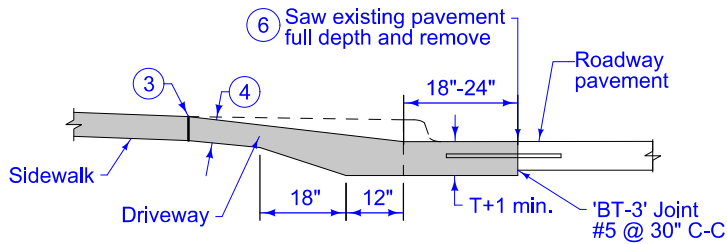
THIS DETAIL ONLY TO BE USED WITH PRIOR APPROVAL FROM CITY OF URBANDALE ENGINEERING DEPARTMENT.



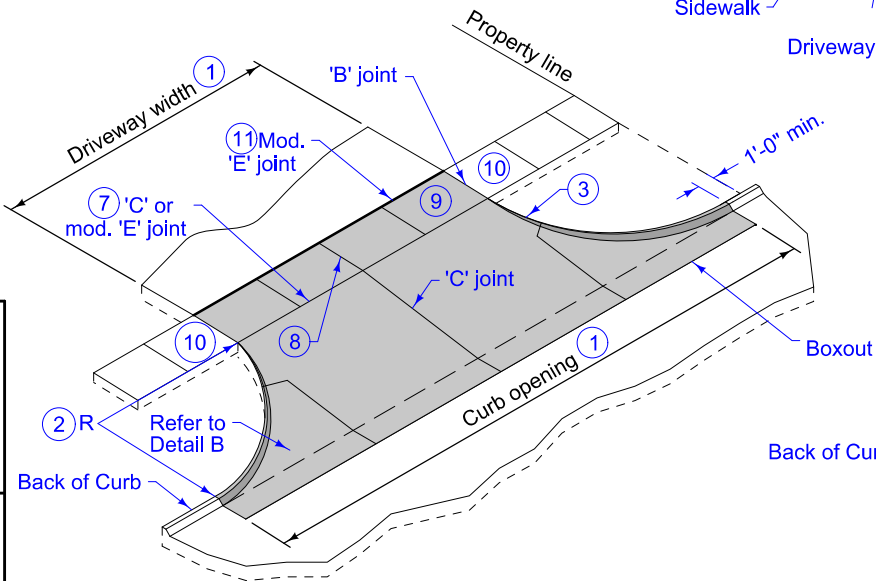
TYPE B WITH FLARES



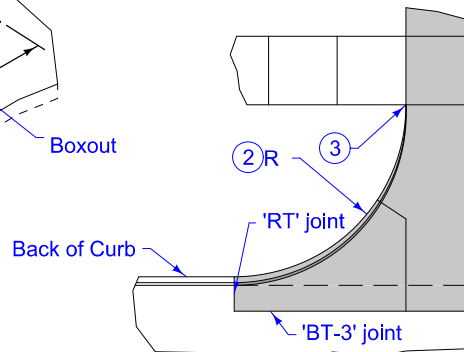
DETAIL A



SECTION A-A



TYPE B WITH RADII



DETAIL B

- ① Driveway width (W).
Residential: 8 foot minimum, 24 foot maximum at sidewalk, 28 foot maximum at street.
Commercial and industrial: As specified in the contract documents.
- ② Driveway radius (R).
Residential: 10 foot minimum, 15 foot maximum.
Commercial and industrial: As specified in the contract documents.
- ③ Transition the curb height to 0 inches at end of taper/radius or at the front edge of sidewalk. Do not extend raised curb cross sidewalk.
- ④ Pavement thickness.
Residential: 6 inches minimum.
Commercial and industrial: 7 inches minimum.
- ⑤ Sidewalk thickness through driveway to match thickness of driveway.
- ⑥ If longitudinal joint is located 48 inches or less from the back of curb, extend boxout to joint line. Full depth saw cut is still required.
- ⑦ Provide 'C' joint when sidewalk and drive approach are both being built. Provide 1/2" 'E' joint when sidewalk is existing.
- ⑧ For alleys, invert the pavement crown 2% toward the center of the alley.
- ⑨ Target cross slope of 1.5% with a maximum cross slope of 2.0%. If specified in the contract documents, construct the sidewalk through the driveway 5 feet wide to serve as a passing space.
- ⑩ If cross slope of adjacent sidewalk panel exceeds 2.0%, remove and replace to transition from existing sidewalk to sidewalk through driveway. If elevation change requires a curb ramp, comply with SUDAS Figure 7030.205; verify need for detectable warning panel with Engineer.
- ⑪ Use 1/2" expansion joint material.

FIGURE 7030.102 SHEET 1 OF 1

	URBANDALE STANDARD SPECIFICATIONS	REVISION 02-13-15
	7030.102	SHEET 1 of 1

CONCRETE DRIVEWAY, TYPE B
EXISTING PAVING WITH CURB CUT