



**DIRECT ACCESS DRIVEWAY CONSTRUCTION
FROM PRIVATE PROPERTY TO CITY STREET OR ALLEY**

CIRCLE ONE: Residential Commercial Industrial

REFER TO TABLE 5L-4.01 ENTRANCE DIMENSIONS (right and left determined from street facing property)

#1 Existing Driveway Width at Property Line	_____ ft.	Existing Right Radius/Flare	_____ ft.	Existing Left Radius/Flare	_____ ft.
#2 Proposed Driveway Width at Property Line	_____ ft.	Proposed Right Radius/Flare	_____ ft.	Proposed Left Radius/Flare	_____ ft.
#3 Proposed Driveway Width at Property Line (add'l driveway)	_____ ft.	Proposed Right Radius/Flare	_____ ft.	Proposed Left Radius/Flare	_____ ft.

Does the Proposed Driveway have a change in geometry? Yes No

THE CITY'S APPROVAL of driveway(s) is limited to the standards contained within this form and the form "Driveway Guidelines & Details". It is the responsibility of the applicant and/or property owner, through design location, construction, and maintenance, to provide and maintain adequate sight distance for entering and exiting vehicles, and to meet other safety requirements as may be necessary. REFER TO TABLE 5L-4.01 ENTRANCE DIMENSION

THE APPLICANT AND/OR PROPERTY OWNER AGREE that if granted a permit to construct the above described access, the following stipulations shall govern:

1. That the entrance, including drainage structure, grading and surfacing shall be constructed by the applicant at the applicant's expense, in accordance with the plot plan attached hereto, and in conformance with the standard specifications of the City, and shall thereafter be kept in repair and maintained by the owner at his/her own expense. Nothing in this stipulation, however, shall preclude the City of Cedar Rapids from entering upon said entrance on City right-of-way and performing necessary maintenance for the protection of the City of Cedar Rapids.
2. That the construction, future repair or maintenance of said entrance shall be carried on in such a way as to not interfere with, or interrupt traffic on said street, and the owner and/or applicant shall take all reasonable precautions to protect and safeguard the lives and property of any person or persons, and shall save the City of Cedar Rapids harmless of any damage or losses that may be sustained by any person or persons, on account of such construction, repair or maintenance operation.
3. The driveway shall be constructed of concrete or asphalt, not inclusive of the sidewalk, which shall be concrete.
4. All driveway curb cut construction joints in streets to be sawed a minimum of 24 inches from back of curb unless otherwise approved by a City Public Works representative.
5. Any tree located on public property within or 10' either side of the proposed driveway construction requires approval of the City Arborist prior to excavation near (or removal of) said tree(s). Additionally, every precaution shall be taken to protect the roots of remaining trees satisfactory to the City Arborist.
6. Any construction by the applicant within 300 feet of a traffic signal infrastructure shall be approved by the Assistant Traffic Engineering Manager prior to construction.
7. This permit does not authorize or approve any construction that conflicts with previous ordinances or resolutions of the City of Cedar Rapids.
8. The applicant and/or owner hereby agree that the proposed driveway work will not negatively impact or restrict the flow of stormwater.

Applicant's Initials

DRIVEWAY GUIDELINES & DETAILS

CONFORMANCE TO THE DRIVEWAY GUIDELINES & DETAILS DOES NOT IMPLY CITY APPROVAL OF THE APPLICATION FOR EXCAVATION IN PUBLIC RIGHT-OF-WAY PERMIT.

Table 5L-4.01: Driveway Dimensions¹
(all dimensions are in feet)

Dimension Reference (See Figure 5L-4.01)	Major Arterial Street				Minor Arterial Street				Collector (Major and Minor)				Local Street			
	Residential	Commercial	Industrial	Agricultural	Residential	Commercial	Industrial	Agricultural	Residential	Commercial	Industrial	Agricultural	Residential	Commercial	Industrial	Agricultural
Width																
Minimum	15	24	24	20	15	24	24	20	10	24	24	20	10	24	24	20
Maximum	30	45	45	30	30	45	45	30	24	40	45	30	24	32	40	30
Right-turn Radius ²																
Minimum	10	10	25	25	10	10	25	25	10	10	25	25	10	10	10	20
Maximum	25	35	50	35	25	35	50	35	25	35	50	35	15	20	30	35
Min. Acute Angle ³	60°	70°	70°	70°	60°	70°	70°	70°	60°	70°	70°	70°	60°	70°	70°	70°
Pref. Acute Angle	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°
Min. Pavement Thickness (inches)	6/8	7/9	*	6	6	7	*	6	6	7	*	6	6	7	*	6

¹ Major entrances require special design.

² 3 foot flares (F) may be used for residential and agricultural entrances.

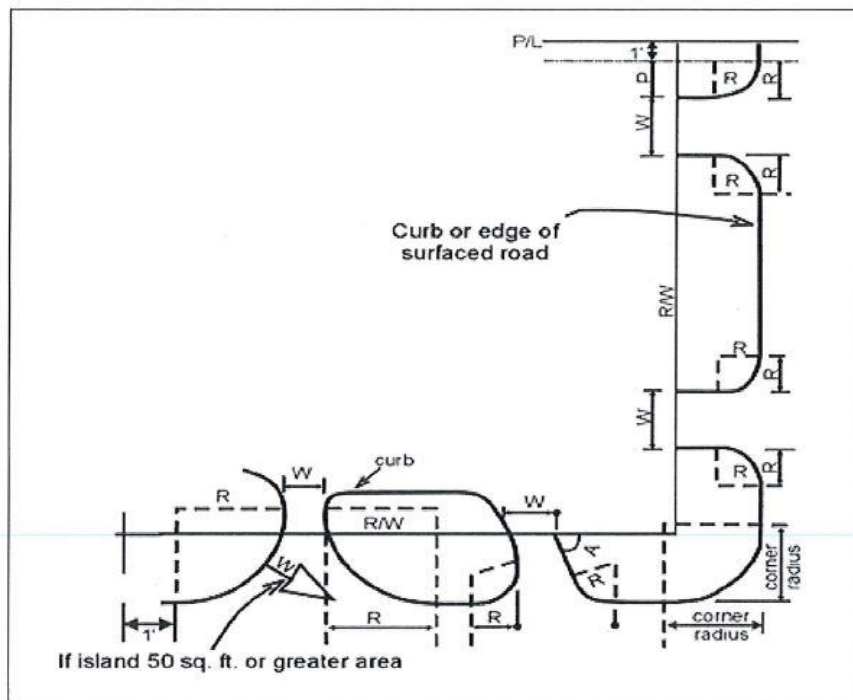
³ Any variation from 90° will be evaluated on a case by case basis. The minimum acute angle (measured from the edge of the pavement) is 60°.

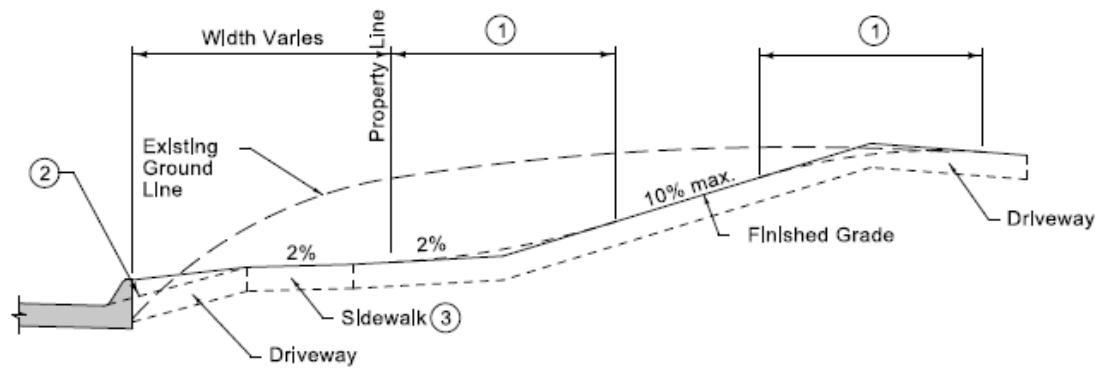
* Requires special design.

Classification Website - <http://tinyurl.com/idotfunctionalclassification>

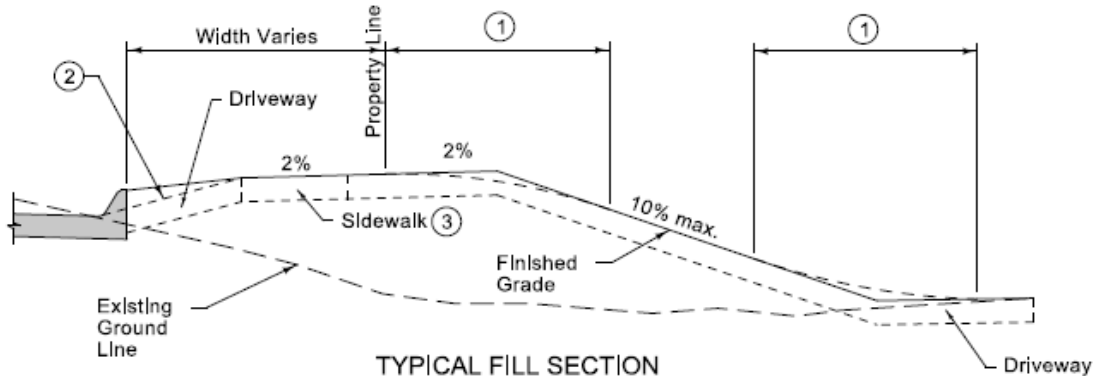
C. Dimensions

Figure 5L-4.01: Entrance Dimensions






TYPICAL CUT SECTION



TYPICAL FILL SECTION

- ① 10 foot vertical curve required for 5% or greater change in grade.
- ② Slope varies. See contract documents.
- ③ Target cross slope of 1.5% with a maximum cross slope of 2.0%.

FIGURE 7030.103 SHEET 1 OF 1

	SUDAS	<small>REVISION</small> 2 10-20-15
	7030.103	<small>SHEET 1 of 1</small>
SUDAS Standard Specifications		
DRIVEWAY GRADING		

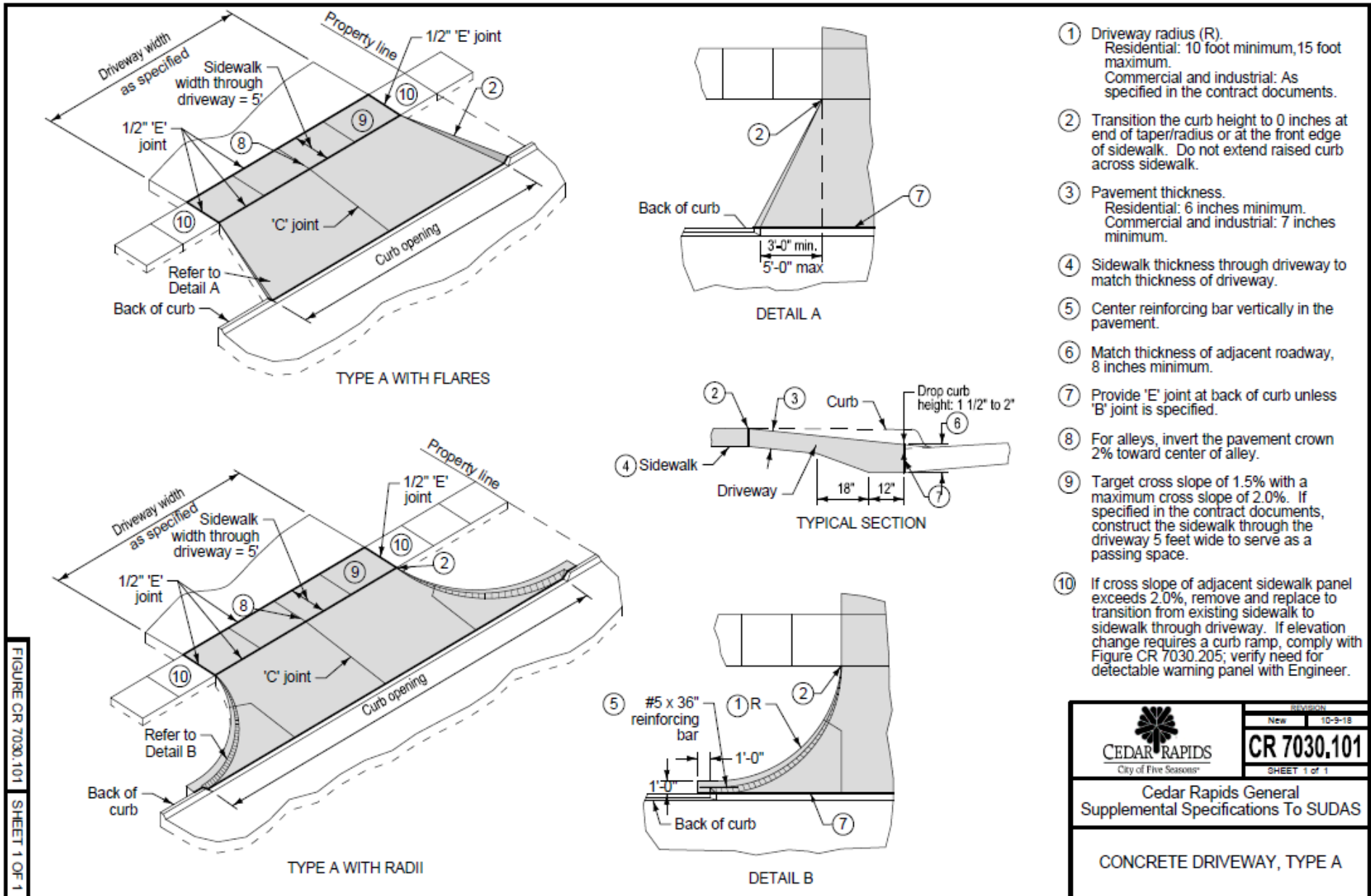
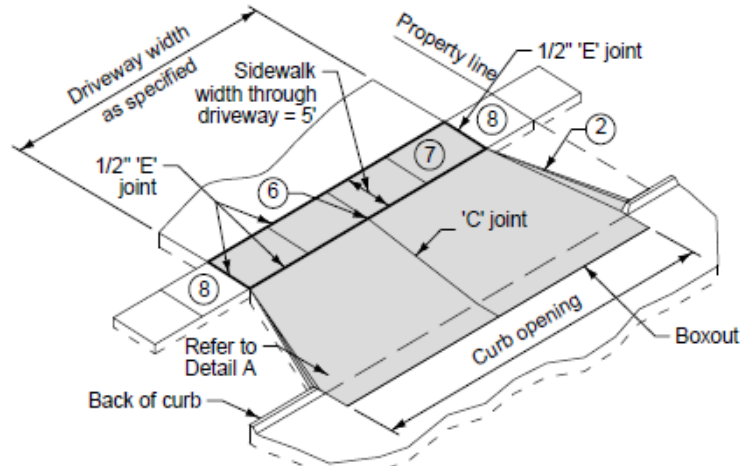
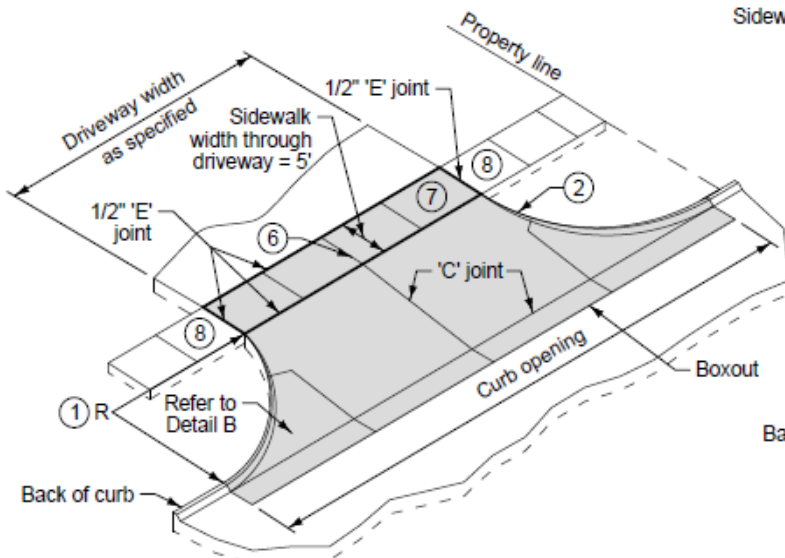


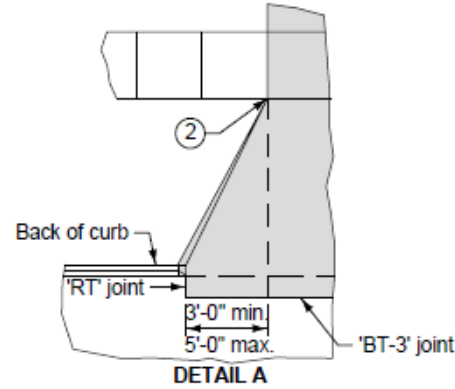
FIGURE CR 7030.101 | SHEET 1 OF 1



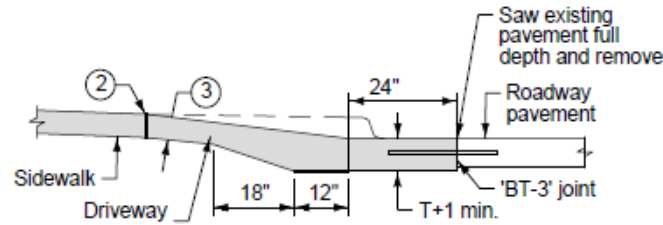
TYPE B WITH FLARES



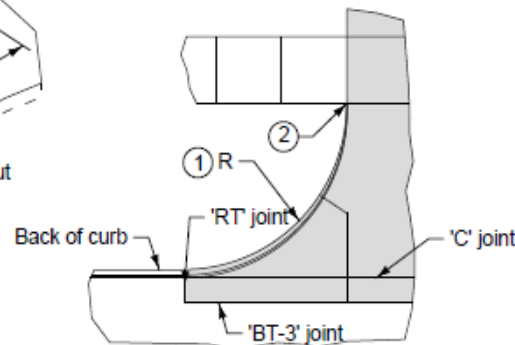
TYPE B WITH RADII



DETAIL A




SECTION A-A



DETAIL B

- ① Driveway radius (R).
Residential: 10 foot minimum, 15 foot maximum.
Commercial and industrial: As specified in the contract documents.
- ② 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.
- ③ Pavement thickness.
Residential: 6 inches minimum.
Commercial and industrial: 7 inches minimum.
- ④ Sidewalk thickness through driveway to match thickness of driveway.
- ⑤ 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.
- ⑥ For alleys, invert the pavement crown 2% toward the center of the alley.
- ⑦ 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.
- ⑧ If cross slope of adjacent sidewalk panel exceeds 2.0%, remove and replace to transition from existing sidewalk to sidewalk through driveway. If the elevation change requires a curb ramp, comply with Figure CR 7030.205; verify need for detectable warning panel with Engineer.

FIGURE CR 7030.102 SHEET 1 OF 1

 CEDAR RAPIDS City of Five Seasons®	10-9-18 New
	SHEET 1 of 1 CR 7030.102
Cedar Rapids General Supplemental Specifications To SUDAS	
CONCRETE DRIVEWAY, TYPE B	