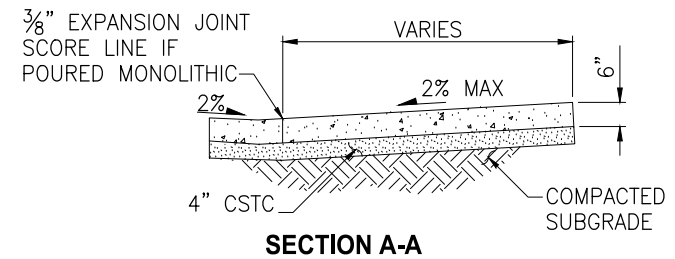
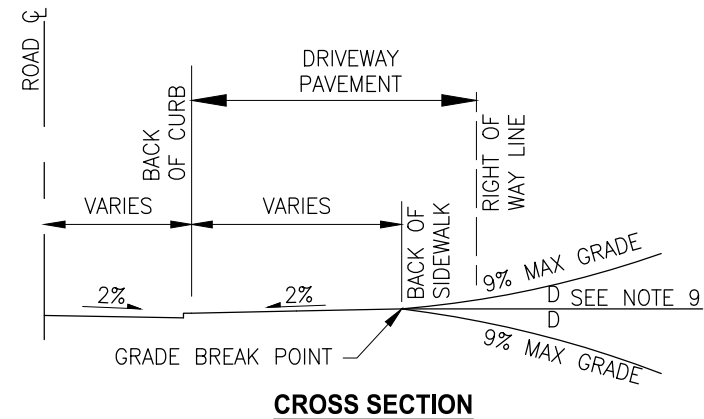


#### NOTES:

1. DRIVEWAY WIDTH = 24' MINIMUM TO 35'.
2. DRIVEWAY PAVING = 6" MINIMUM CEMENT CONCRETE CLASS 4000
3. WHEN THE ENTRANCE WIDTH EXCEEDS 15 FEET, CONSTRUCT A FULL DEPTH EXPANSION JOINT WITH  $\frac{3}{8}$ " JOINT FILLER ALONG THE DRIVEWAY CENTERLINE.
4. CONSTRUCT EXPANSION JOINTS WITH  $\frac{3}{8}$ " JOINT FILLER PARALLEL WITH THE CENTERLINE AS REQUIRED AT 15' MAXIMUM SPACING WHEN ENTRANCE WIDTHS EXCEED 30'.
5. PLACE FULL DEPTH EXPANSION JOINT WITH  $\frac{3}{8}$ " JOINT FILLER AT BACK, FRONT, AND SIDES OF DRIVEWAY ENTRANCE.
6. ALL JOINTS AND EDGES SHALL BE CLEANED AND EDGED THE FULL LENGTH.
7. STORM DRAINAGE FROM DRIVEWAY SHALL NOT BE PERMITTED TO DRAIN ONTO ROADWAY SURFACE, UNLESS ACCOUNTED FOR IN DESIGN, AND APPROVED UNDER A DEVIATION REQUEST.
8. DRIVEWAY SHALL NORMALLY BE AT 90 DEGREES TO ROAD CENTERLINE, BUT CAN VARY FROM 75 DEGREES TO 105 DEGREES.
9. A VERTICAL CURVE SHALL BE CONSTRUCTED TO TRANSITION THE LANDING TO THE ACCESS APPROACH. THE VERTICAL SEPARATION BETWEEN THE CURVE AND A 10-FOOT CHORD OF THE CURVE SHALL NOT EXCEED 3.25 INCHES (WHERE D IS POSITIVE) OR 2.00 INCHES (WHERE D IS NEGATIVE).
10. WHEN ROADWAY PROFILE GRADE EXCEEDS 4%, ADJUST RAMP LENGTHS TO MEET AMERICANS WITH DISABILITIES ACT REQUIREMENTS.
11. FORM AND SUBGRADE INSPECTION REQUIRED BEFORE PAVING.



NOT TO SCALE



**CITY OF DES MOINES**  
**PUBLIC WORKS DEPARTMENT**

ENGINEERING SERVICES  
21650 11TH AVENUE SOUTH  
DES MOINES, IA 50319



## TYPE 1 MAJOR DRIVEWAY APPROACH FOR COMMERCIAL USE

**DM.C3.1**

REVISED: 02/23