



NOTES:

1. DRIVEWAY WIDTH = 12' MINIMUM TO 24' MAXIMUM.
2. DRIVEWAY WIDTH ON FLAG LOTS IS 20' MINIMUM.
3. CEMENT CONCRETE CLASS 3000 FOR RESIDENTIAL USE.
CEMENT CONCRETE CLASS 4000 FOR COMMERCIAL USE.
4. DRIVEWAY PAVING = 6" MINIMUM CEMENT CONCRETE OR: 4" MINIMUM COMPACTED DEPTH ASPHALT CONCRETE PAVEMENT CL. 1/2" PG 58H-22, OVER 4" MINIMUM COMPACTED DEPTH CRUSHED SURFACING TOP COURSE. BETWEEN SIDEWALK AND RIGHT OF WAY LINE CAN BE CEMENT CONCRETE IF THE EXISTING DRIVEWAY IS CEMENT CONCRETE.
5. 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).
6. STORM DRAINAGE FROM DRIVEWAY SHALL NOT BE PERMITTED TO DRAIN ONTO ROADWAY SURFACE, UNLESS ACCOUNTED FOR IN DESIGN, AND APPROVED UNDER A DEVIATION REQUEST.
7. FORM AND SUBGRADE INSPECTION REQUIRED BEFORE PAVING.
8. DRIVEWAY SHALL NORMALLY BE AT 90 DEGREES TO ROAD CENTERLINE, BUT CAN VARY FROM 75 DEGREES TO 105 DEGREES.
9. WHEN ROADWAY PROFILE GRADE EXCEEDS 4%, ADJUST RAMP LENGTHS TO MEET AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

NOT TO SCALE



**CITY OF DES MOINES
PUBLIC WORKS DEPARTMENT**

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**TYPE 1 DRIVEWAY APPROACH
WITH BULB-OUTS**

DM.C3.3

REVISED: 02/23