

SUMMARY OF MINIMUM ROAD DESIGN CRITERIA

DESIGN ELEMENT	NOTE REF.	ARTERIAL STREET	RESIDENTIAL COLLECTOR STREET	RESIDENTIAL SUBCOLLECTOR STREET	RESIDENTIAL ACCESS STREET	RESIDENTIAL LANE
DESIGN SPEED		45 mph	40 mph	30 MPH	25 MPH	20 MPH
MAXIMUM GRADIENT	1.	8%	10%	10%	10%	10%
MINIMUM GRADIENT	1.	1%	1%	1%	1%	1%
STOPPING SIGHT DISTANCE	2.	400 ft.	300 ft.	200 ft.	200 ft.	150 ft.
K VALUE FOR CREST VERTICAL CURVE	3.	90	70	30	30	20
K VALUE FOR SAG VERTICAL CURVE	3.	90	70	36	36	30
MIN. CENTERLINE CURVE RADIUS	4.	500 ft.	400 ft.	200 ft.	200 ft.	150 ft.
MIN. INTERSECTION SIGHT DISTANCE	5.	635 ft.	505 ft.	310 ft.	310 ft.	235 ft.
ADT/ NUMBER OF LOTS		>2001/>200	501-2000/50-200	251-500/25-50	100-250/10-25	<100/<10
STREET WIDTH		36	30	26	24	22

NOTES:

1. SEE SECTION 13-SC FOR GRADIENT REQUIREMENTS FOR INTERSECTIONS AND CUL-DE-SACS.
2. SEE SECTION 13-SD FOR BASIS OF DETERMINATION FOR STOPPING SIGHT DISTANCE.
3. SEE SECTION 13-SF FOR METHOD OF DETERMINATION OF K VALUES AND MINIMUM AND MAXIMUM CURVE LENGTHS.
4. SEE SECTION 13-SE FOR MINIMUM TANGENT REQUIREMENTS.
5. SEE SECTION 13-SG FOR METHOD OF DETERMINATION INTERSECTION SIGHT DISTANCE.

STANDARD DETAIL DRAWING
SUMMARY TABLE
MINIMUM ROAD DESIGN CRITERIA

HEBRON
PUBLIC IMPROVEMENT
SPECIFICATIONS

REVISIONS:

SCALE: NONE

DATE: OCTOBER, 2001 PLATE 12