

ALGEBRAIC DIFFERENCE IN % GRADE	FREEWAYS V = 60 MPH	MAJOR THOROUGHFARES V = 50 MPH	MAJOR THOROUGHFARES V = 40 MPH	OTHER STREETS V = 30 MPH	MINIMUM R/W WIDTHS	MINIMUM HORIZONTAL CURVATURE	MAXIMUM GRADES	60' R/W 50' R/W 50' R/W
1.0	150'	125'	100.0'	75.0'	100'	R = 1000'	4%	60' R/W
1.50	150'	125'	100.0'	75.0'	80'	R = 650'	6%	50' R/W
2.0	300'	184'	100.0'	75.0'	60'	R = 400'	8%	50' R/W
3.0	450'	262.7'	122.2'	75.0'	*50' TO 60'	R = 250'	10%	
4.0	600'	341.3'	144.4'	88.2'				
5.0	750'	420.0'	166.7'	101.5'				
6.0	900'	498.7'	189.9'	114.7'				
7.0	1050'	577.3'	211.1'	127.9'				
8.0	1200'	656.0'	233.3'	141.2'				
9.0	1350'	734.7'	255.6'	154.4'				
10.0	1500'	813.3'	277.8'	167.6'				
11.0	1650'	892.0'	300.0'	180.9'				
12.0	1800'	970.7'	322.2'	194.1'				
13.0	1950'	1049.3'	344.4'	207.4'				
14.0	2100'	1128.0'	366.7'	220.6'				
15.0	2250'	1206.7'	388.9'	233.8'				
16.0	2400'	1285.3'	411.4'	247.1'				
17.0	2550'	1364.0'	433.3'	260.3'				
18.0	2700'	1442.7'	455.6'	273.5'				
19.0	2850'	1521.3'	477.8'	286.6'				
20.0	3000'	1600.0'	500.0'	300.0'				

COMMERCIAL STREETS
 RESIDENTIAL STREETS
 MARGINAL ACCESS STREETS
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REVISED	F.B.	PG.	DATE: APRIL 12, 1974
10/25/85			SCALE: NONE
			DRAWN BY: NBM
			CHECKED BY: RED, FAP
			CITY ENGINEER: DEC

STANDARD DETAIL

MINIMUM LENGTH OF VERTICAL CREST CURVE

OFFICE OF THE
CITY ENGINEER
GASTONIA, N.C.

FILE NO. **71G-1**