

ALGEBRAIC DIFFERENCE IN % GRADE	FREEWAYS V = 60 MPH	MAJOR THOROUGHFARES V = 50 MPH	MAJOR THOROUGHFARES V = 40 MPH	OTHER STREETS V = 30 MPH
1.0	150'	125'	100.0'	75.0'
1.50	150'	125'	100.0'	75.0'
1.75		125'	100.0'	75.0'
2.0	200'	142.5'	100.0'	75.0'
3.0	300'	212.3'	122.2'	87.5'
4.0	400'	282.2'	144.4'	100.0'
5.0	500'	352.1'	166.7'	112.5'
6.0	600'	421.9'	188.9'	125.0'
7.0	700'	491.8'	211.1'	137.5'
8.0	800'	561.7'	233.3'	150.0'
9.0	900'	631.5'	255.6'	162.5'
10.0	1000'	701.4'	277.8'	175.0'
11.0	1100'	771.2'	300.0'	187.5'
12.0	1200'	841.1'	322.2'	200.0'
13.0	1300'	911.0'	344.4'	212.5'
14.0	1400'	980.8'	366.7'	225.0'
15.0	1500'	1050.7'	388.9'	237.5'
16.0	1600'	1120.6'	411.1'	250.0'
17.0	1700'	1190.4'	433.3'	262.5'
18.0	1800'	1260.3'	455.6'	275.0'
19.0	1900'	1330.1'	477.8'	287.5'
20.0	2000'	1400.0'	500.0'	300.0'

MINIMUM GRADES SHALL BE NO LESS THAN -
1.0% WHERE CONCRETE GUTTERS ARE PROVIDED
1.0% WHERE CONCRETE GUTTERS ARE NOT PROVIDED
1.0% IN THE FLOW LINE

REVISED	F.B.	PG.	DATE: APRIL 11, 1974
10/25/85			SCALE: NONE
8/21/97			DRAWN BY: NBM
			CHECKED BY: RED, FAP
			CITY ENGINEER: DEC, JPB

STANDARD DETAIL

MINIMUM LENGTH OF VERTICAL SAG CURVE

OFFICE OF THE
CITY ENGINEER
GASTONIA, N.C.

FILE NO. **71G-2**