

ROADWAY TEXT STANDARD & GUIDELINE

Standard Roadway Text Size

Full Size Plots on 22"x34" Paper

ROADWAY PLANS

PLAN	SIZE		
English	5	7	10
Metric	1.5	2	3

ROADWAY PROFILES

PLAN	SIZE			
English	5	7	10	30
Metric	1.5	2	3	6

ROADWAY CROSS SECTIONS

PLAN	SIZE		
English	1.5	2.5	4
Metric	0.5	0.7	1.2

Standard Roadway Text Font

NO .	NAME
1	font001
5	TITLE
11	GEOMETRICFUTURA
15	MONO_SPACED
23	font023
80	GEOPAK

TT	Arial
TT	Courier New
TT	Times New Roman

TT - True Type Font * Not yet standard, please follow Standards on the right

*Standard Roadway Plot Scale

Full Size Plots on 22"x34" Paper

ROADWAY PLANS

PLAN	SCALE		
English	1"=20'	1"=50'	1"=100'
English Ratio	240:1	600:1	1200
Metric	250	500	1000

ROADWAY PROFILES

PLAN	SCALE (HORIZONTAL)	
English	1"=20'	1"=50'
English Ratio	240:1	600:1
Metric	250	500

Profile Layout H:V Ratio

5:1

ROADWAY CROSS SECTIONS

PLAN	SCALE	
English	1"=5'	1"=10'
English Ratio	60:1	120:1
Metric	125	250

RED SCALE indicates base scale used to factor text size.

NCDOT ROADWAY DESIGN UNIT CADD TEXT STANDARDS

ROADWAY PLANS

Level Name	Font No.	Size			ByLevel	
		Plot Scale*			Color	
		English		Metric		
		20	50	500	Co	No.
Matchline Text	23	7	15	4	R	3
Prop Alignment Control Point Label	23	3	7	2	Y	4
Prop Berm Ditch Text	23	2	5	1.5	W	0
Prop Dimension Text	23	3	7	2	W	0
Prop DSN Text	M	S	S	S	W	0
Prop Easement Construction Station Offsets	11	2	5	1.5	O	6
Prop Easement Permanent Drainage Station Offsets	11	2	5	1.5	G	2
Prop Easement Permanent Utility Station Offsets	11	2	5	1.5	Y	4
Prop Easement Temporary Drainage Station Offsets	11	2	5	1.5	B	1
Prop Horizontal Alignment Curve and Spiral Data	23,80	3	7	2	Y	4
Prop Horizontal Alignment Direction Label	23	3	7	2	Y	4
Prop Horizontal Alignment Station Label	23	3	7	2	Y	4
Prop Parcel Number Text	11	3	7	2	R	3
Prop ROW English Dual Dimension Text	11	2	5	1.5	W	0
Prop ROW Station Offsets	11	2	5	1.5	R	3
Prop ROW Text	M	S	S	S	W	0
Prop Superelevation Label	11	2	5	1.5	G	9

ROADWAY PROFILES

Level Name	Font No.	Size		ByLevel	
		Plot Scale*		Color	
		English	Metric		
		50	500	Co	No.
Exist Vertical Profile Horizontal Axis Label Major	11	10	3	W	0
Exist Vertical Profile Horizontal Axis Label Minor	11	10	3	W	0
Exist Vertical Profile Vertical Axis Label	11	10	3	W	0
Prop PFL Text	M	S	S	W	0
Prop Roadway Profile Bench Mark Info Text	23	5	1.5	W	0
Prop Vertical Profile Curve Label	23	7	2	R	3
Prop Vertical Profile Ditch Grade Left Label	23	7	2	O	6
Prop Vertical Profile Ditch Grade Median Label	23	7	2	B	1
Prop Vertical Profile Ditch Grade Right Label	23	7	2	G	2
Prop Vertical Profile Grade Label	23	7	2	R	3
Prop Vertical Profile Strip Grade	23	7	2	G	2
Prop VPI Ditch Grade Left Label	23	7	2	O	6
Prop VPI Ditch Grade Median Label	23	7	2	B	1
Prop VPI Ditch Grade Right Label	23	7	2	G	2
Prop VPI Label	23	7	2	R	3
Prop VPT Ditch Grade Left Label	23	7	2	O	6
Prop VPT Ditch Grade Median Label	23	7	2	B	1
Prop VPT Ditch Grade Right Label	23	7	2	G	2

ROADWAY CROSS SECTIONS

Level Name	Font No.	Size				ByLevel	
		Plot Scale*				Color	
		English		Metric			
		5	10	125	250	Co	No.
Exist XS Center Line Elevation Label	23	1.2	2.5	0.3	0.7	W	0
Prop XS Alignment Label	23	2	4	0.6	1.2	Y	4
Prop XS Bar Scale Labels	11	0.7	1.5	0.2	0.5	Y	4
Prop XS Culvert Slope Text	23	0.7	1.5	0.2	0.5	W	0
Prop XS DDE Slope Text	11	0.7	1.5	0.2	0.5	W	0
Prop XS DDE Text	11	0.7	1.5	0.2	0.5	W	0
Prop XS Ditch Slope Text	11	0.7	1.5	0.2	0.5	W	0
Prop XS Ditch Standard Text	11	0.7	1.5	0.2	0.5	W	0
Prop XS Elevation Labels	11	0.7	1.5	0.2	0.5	Y	4
Prop XS Label Text	M	S	S	S	S	W	0
Prop XS Offset Labels	11	0.7	1.5	0.2	0.5	G	2
Prop XS Project Number	15	0.7	1.5	0.2	0.5	Y	4
Prop XS Roadway Elevations	23	0.7	1.5	0.2	0.5	W	0
Prop XS SE Text	11	2	4	0.6	1.2	W	0
Prop XS Sheet Number	15	0.7	1.5	0.2	0.5	Y	4
Prop XS Side Slope Text	11	0.7	1.5	0.2	0.5	W	0
Prop XS SS Elevation Text	11	0.7	1.5	0.2	0.5	W	0
Prop XS Station Labels	23	1.1	2.2	0.3	0.7	G	2
Prop XS Superelevation Text	11	2	4	0.6	1.2	W	0
Prop XSC Text	M	S	S	S	S	W	0

ROADWAY GENERAL TEXT STANDARD

Level Name	Font No.	Size	ByLevel	
			Co	No.
Prop RDY Alternate Text Blue	M	S	B	1
Prop RDY Alternate Text Green	M	S	G	2
Prop RDY Alternate Text Orange	M	S	O	6
Prop RDY Alternate Text Purple	M	S	P	5
Prop RDY Alternate Text Red	M	S	R	3
Prop RDY Alternate Text Yellow	M	S	Y	4

M Multiple fonts can be used depending on its application.

S Any Standard size is applicable.

* The following is an excerpt from The Roadway Design Manual, Part II Chapter 1-2.

SCALE ON PLANS		1-2
It is suggested that the following scales be used for plotting plan sheets:		
1" = 20' & 1" = 50'	On urban type projects and locations where existing topo is congested.	
1" = 100'	On new location or in areas with very little topo.	
1" = 50'	Interchange details.	

NOTE:

For standard Roadway interchange plan sheets, it is suggested that a plot/design scale of 1"=50' be use for standard text annotations. However, for plotting, a plot scale of 1"=100' is used.

TEXT SIZE FACTOR

For English plans and profiles, standard texts can be resized on a scale of the base of the 1"=50' plot scale. Text size is rounded to the nearest whole number.

For example:

If text size is 7 for plot scale 1"=50', then text size is 14 for plot scale of 1"=100'.

For Metric plans and profiles, standard texts can be resized on a ratio of the base of 500 plot scale. Text size is rounded to the nearest 0.5 m.

For example:

If text size is 3 for plot scale 500, then text size is 6 for plot scale of 1000.