18 Attachment 1

APPENDIX A
MINIMUM ROAD DESIGN STANDARDS FOR ROAD ACCEPTANCE
SPARTA TOWNSHIP, SUSSEX COUNTY, NEW JERSEY
(Subsection 18-5.3c)

		Arterial Street	Collector Street	Minor Street	Site Plan Pavement Specification
Right of Way Width		66'	50'	50'	50'
Conventional Subdivision Pavement Width Between Curbs Riding Land Width		46' (Includes (2) 10' Shoulders 13'	30' 15'	30' 15'	30' 15'
Slope of Pavement		2% from Centerline	2% from Centerline	2% from Centerline	2% from Centerline
Paved Shoulder Width		10'	None	None	None
Shoulder Slope		4%	None	None	None
Curbing: Conventional Subdivision		9' by 18' concrete curb, class “b” concrete or granite block curb	9' by 18' concrete curb, class “b” concrete or granite block curb	9' by 18' concrete curb, class “b” concrete or granite block curb	9' by 18' concrete curb, class “b” concrete or granite block curb
Type and Depth of Road Construction	Pavement	Bituminous concrete surface course 1 1/2" top course, 1 1/2" bottom course	Bituminous concrete surface course 2" thick	Bituminous concrete surface course 2" thick	Bituminous concrete surface course 2" thick
	Base Course	6" Bituminous stablized base	4" Bituminous stablized base	3" Bituminous stablized base	3" Bituminous stablized base
	Subbase	12" dense graded aggregate base	6" dense graded aggregate base	4" dense graded aggregate base	4" dense graded aggregate base
Alternate No. 1 Type and Depth of Road Construction	Pavement	Bituminous concrete surface course 1 1/2" top course, 1 1/2" bottom course	Bituminous concrete surface course 1 1/2" top course, 1 1/2" bottom course	Bituminous concrete surface course 1 1/2" top course, 1 1/2" bottom course	Bituminous concrete surface course 1 1/2" top course, 1 1/2" bottom course
	Base Course	8" Lime-fly ash stablized base	6" Lime-fly ash stablized base	5" lime-fly ash stablized base	4" lime-fly ash stablized base
	Subbase	12" dense graded aggregate base	5" dense graded aggregate base	4" dense graded aggregate base	4" dense graded aggregate base
Shoulder Construction		Same as for riding lane	None	None	None
Earth Berm Width Behind Curb		10'	7'	7'	5'
Slope of Berm		2% Toward curb	2% Toward curb	2% Toward curb	2% Toward curb
Cut Slope in Earth		2:1	4:1	4:1	4:1

		Arterial Street	Collector Street	Minor Street	Site Plan Pavement Specification
Cut Slope in Rock		1:4	1:4	1:4	1:4
Fill Slope 0'-5'		4:1	4:1	4:1	4:1
Fill Slope 5' and Over With Guide Rail		2:1	2:1	2:1	2:1
Topsoiling Depth on Berms and Earth Slopes		4"	4"	4"	4"
Seeding Type on Berms and Slopes Under 5'		Type “A”	Type “A”	Type “A”	Type “A”
Design Speed		50 mph	40 mph	30 mph	30 mph
Maximum Grade		8.0%	10.0%	12.0%	8.0%
Minimum Grade		0.5%	0.5%	0.5%	0.5%
Minimum Centerline Radius		1,000.0'	510.0'	275.0'	150.0'
Conventional R.O.W. Radius at Cul-de-Sac Pavement Radius Snow Removal Easement on Cul-de-Sacs		10'	10'	50' 42' 10'	10'
Storm Sewer Design	Maximum Distance Between Inlets	400.0'	400.0'	400.0'	400.0'
	Storm Frequency With Land Use Fully Developed	As needed	As needed	As needed	As needed
	Minimum Pipe Size	15'	15'	15'	15'
	Type of Pipe	R.C.C.P or C.M.P. bit CT'D	R.C.C.P or C.M.P. bit CT'D	R.C.C.P or C.M.P. bit CT'D	R.C.C.P or C.M.P. bit CT'D
	Type of Headwall	Class “C” concrete or flared end sections	Class “C” concrete or flared end sections	Class “C” concrete or flared end sections	Class “C” concrete or flared end sections
Specifications to Govern Construction		Latest edition of new jersey department of transportation standard specifications for road and bridge construction and amendments thereto			
Engineering Design Standards		Latest edition of the new jersey department of transportation design manual - roadway and revisions thereto.			