

TND-1 AND TND-5 DISTRICT STREET AND ALLEY DESIGN STANDARDS – Charlestown Township, Chester County, PA

Date: January 21, 2010

Revised: January 6, 2011

Adopted: April 4, 2011

TABLE 1: MINIMUM DESIGN STANDARDS FOR TND-1 AND TND-5 DISTRICT STREETS AND ALLEYS				
DESIGN STANDARDS	Neighborhood Street	One Way Lane	Alley Two-Way	Alley One-Way
Right-Of-Way Width (travel lanes + on-street parking + grass strips + sidewalks)	36 to 54 ft.	32 ft.	16 ft.	12 ft.
Cartway Width With Curbs (No Parking)	20 ft. (10+10)	16 ft.	16 ft.	12 ft.
Cartway Width With Parking (One Side)	27 ft. (10+10+7)	16 ft.	N/A	N/A
Cartway Width With Parking (Two Sides)	34 ft. (7+10+10+7)	N/A	N/A	N/A
Speed Limit	25 mph	25 mph	10 mph	10 mph
Minimum Center Line Radii	50 ft.	25 ft.	N/A.	N/A
Maximum Grades	10%	10%	10%	10%
On-Street Parking	Yes	Yes	see note 3	see note 3
Parallel Parking Bay Width	7 ft.	7 ft.	7ft. (see note 4)	7ft. (see note 4)
Grass Strip Width <sup>1</sup>	5 ft.	5 ft.	N/A	N/A
Sidewalk Width	4 ft. 6 in.	4 ft. 6 in.	N/A	N/A
Isolation (Separation) Distance (the distance between the centerline of the driveway/alley and the centerline of the nearest intersecting street)	40 ft.	25 ft.	25 ft.	25 ft.
Minimum Curb Radii at Intersection	15 ft.	10 ft.	5 ft.	5 ft.
Clear Sight Triangles at Intersections	60 ft.	60 ft.	N/A	N/A
Clear Sight Distance (measured along the centerline)	75 ft.	75 ft.	75 ft.	75 ft.
Intersection Approach Slope	5% and 50' minimum	5% and 50' minimum	N/A	N/A
Vertical Curves required at grade change greater than: <sup>2</sup>	1%	1%	1%	1%
Distance Between Reverse Curves	0 ft.	0 ft.	0 ft.	0 ft.

<sup>1</sup> Grass Strip width may be reduced to 3 feet minimum (not including curb) in areas where parallel on-street parking is located, and only if planted bulbouts are provided to fit the required street trees.

<sup>2</sup> Vertical curves shall not be required along the gutter line of intersecting streets and alleys or at the back of sidewalk for the intersections of alleys and streets.

<sup>3</sup> Parking shall be prohibited on the cartway of an alley, as per §27-2203.J(3). However, parking is permitted on driveways adjacent to an alley, and in guest or overflow parking areas adjacent to an alley.

<sup>4</sup> Wherever guest or overflow parking is parallel to an alley, the parking bay width shall be seven (7) feet.