

**TABLE "A"**

**CITY OF MADRAS  
STANDARD SPECIFICATIONS FOR STREET DESIGN AND CONSTRUCTION  
PUBLIC STREETS**

Minimum general specifications for the design and construction of street, water, sewer and drainage facilities shall be as set forth in the "Standard Specifications for the City of Madras, Oregon".

The following special provisions are the minimum design standards for the City of Madras:

Minimum Street Right-of-Way and Basic Improvement Standards for urban Subdivisions.

Type of Street	R/W Width	Paving Width Curb to Curb	Type of Paving	Paving Section AC Base	Return Radius	Design Speed MPH	Max. % of Grade (b)	Minimum Radius of Curvature
Arterial (d)	90'	68'	ASPHALT IC CONCRETE	(c)	20'	45	6%	400'
Arterial (d)	90'	40' - 52'		(c)	20'	35	8%	300'
Collector, Industrial & Arterial (d)	60' - 72'	40' - 52'		3" AC 8" B(C)	20'	35	8%	300'
Residential Collector (d)	60' - 72'	36' - 48'		2" AC 8" B(C)	15'	25	10%	150'
Residential Cul-de-sac (a) (d)	50' - 60' (f)	32' - 36' (h)		2" AC 8" B(C)	15'	25	10%	150'

(a) The paving radius at the turn-around of a cul-de-sac shall be 38' on a right-of-way radius of 50'.

(b) Minimum grade of 3%. If unavoidable conditions exist, a grade of 2% steeper than that shown will be allowable.

(c) One (1) street name sign shall be provided at each intersection for each street.

(d) Sidewalks shall be provided on both sides of the street unless alternative pedestrian routes are approved. Sidewalks shall be five feet wide.

(e) Paving section to be engineered on an individual basis.

(f) Right-of-way width may be reduced to 50' for cul-de-sac streets less than 200 feet in length. In such cases, a five foot public utility easement shall be provided on both sides of the right-of-way.

(g) Base material shall be O.S.H.D. 3/4" - 0 aggregate to 95% compaction A.A.S.H. to T-99. Paving to be asphaltic concrete O.S.H.D. Class "C" mix 95% compaction A.S.T.M. D-1559.

(h) When reducing local residential street width to 32 feet, the street shall be designed so as not to extend more than 1500 feet and cannot be extended in the future to function as a residential collector street.

## TABLE "B"

### PRIVATE STREETS

The following minimum road standards shall apply for private roads:

- (1) (a) Minimum Road Width (no parking allowed) - 20 feet  
(b) Minimum Road Width (one side parking) - 28 feet
- (2) Type of paving - Asphalt and Concrete
- (3) Paving Section - 2" AC, 8" Base Material (a)
- (4) Return Radius - 15'
- (5) Designated Speed - 25 mph
- (6) Maximum Grade - 12% [15% on alternate (b)]
- (7) Minimum Radius of Curvature - 50'
- (8) At least one road name sign shall be provided at each intersection for each road
- (9) A method of continuing maintenance, including sanding during icy periods shall be provided.

(a) Base material shall be O.S.H.D. 3/4" - 0 aggregate to 95% compaction A.A.S.H. to T-99. Paving to be asphaltic concrete (O.S.H.D. Class "C" mix, 95% compaction A.S.T.M. D-1559).

(b) The maximum grade shall be 12% except for alternate streets which may be up to 15% grade. The term "alternate streets" shall require access to each lot of a subdivision to be by a street or streets with grades not in excess of 12% so long as a lot has access by streets with such a grade, other access streets may have grades in excess of 12%, but no grade shall exceed 15%.