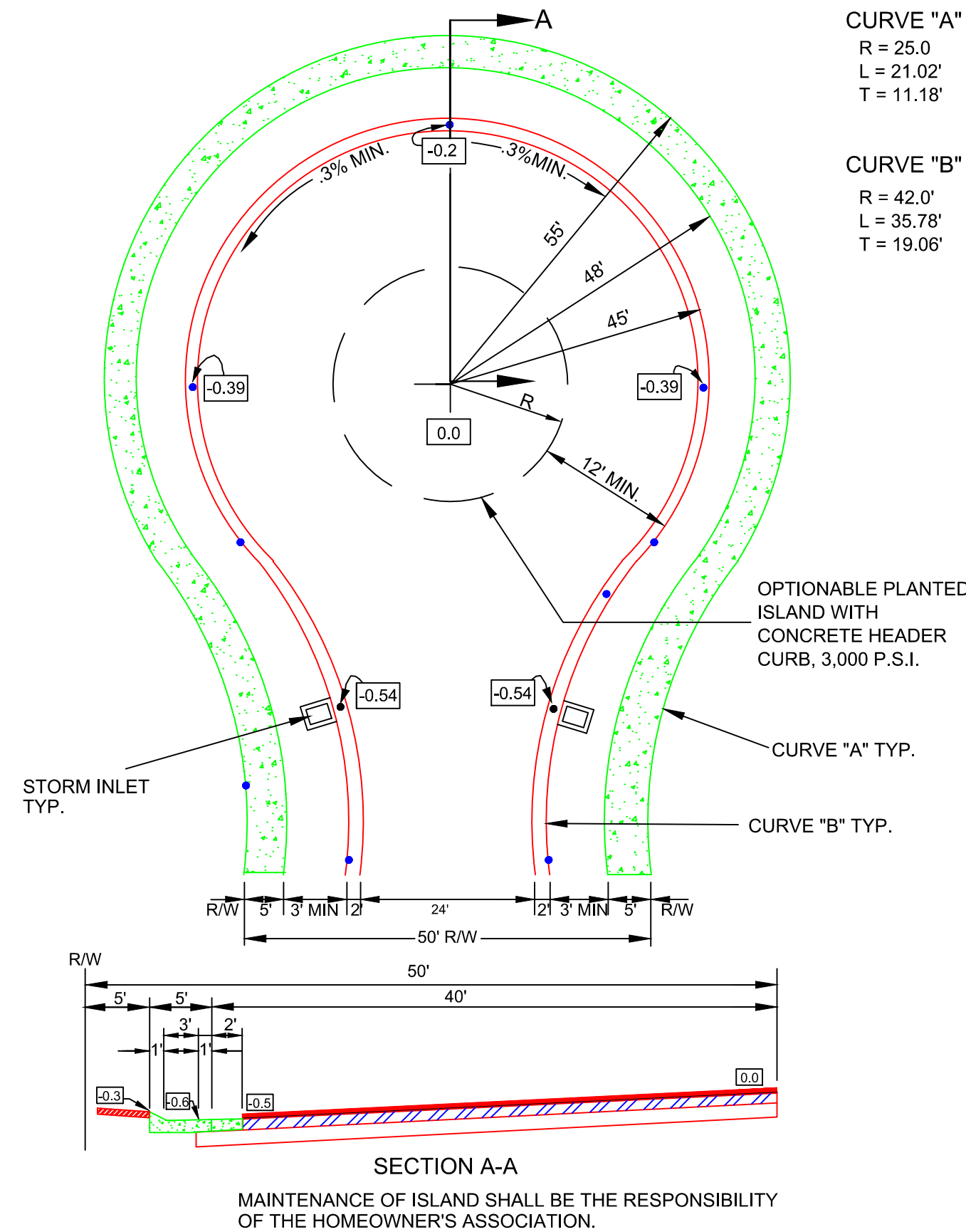
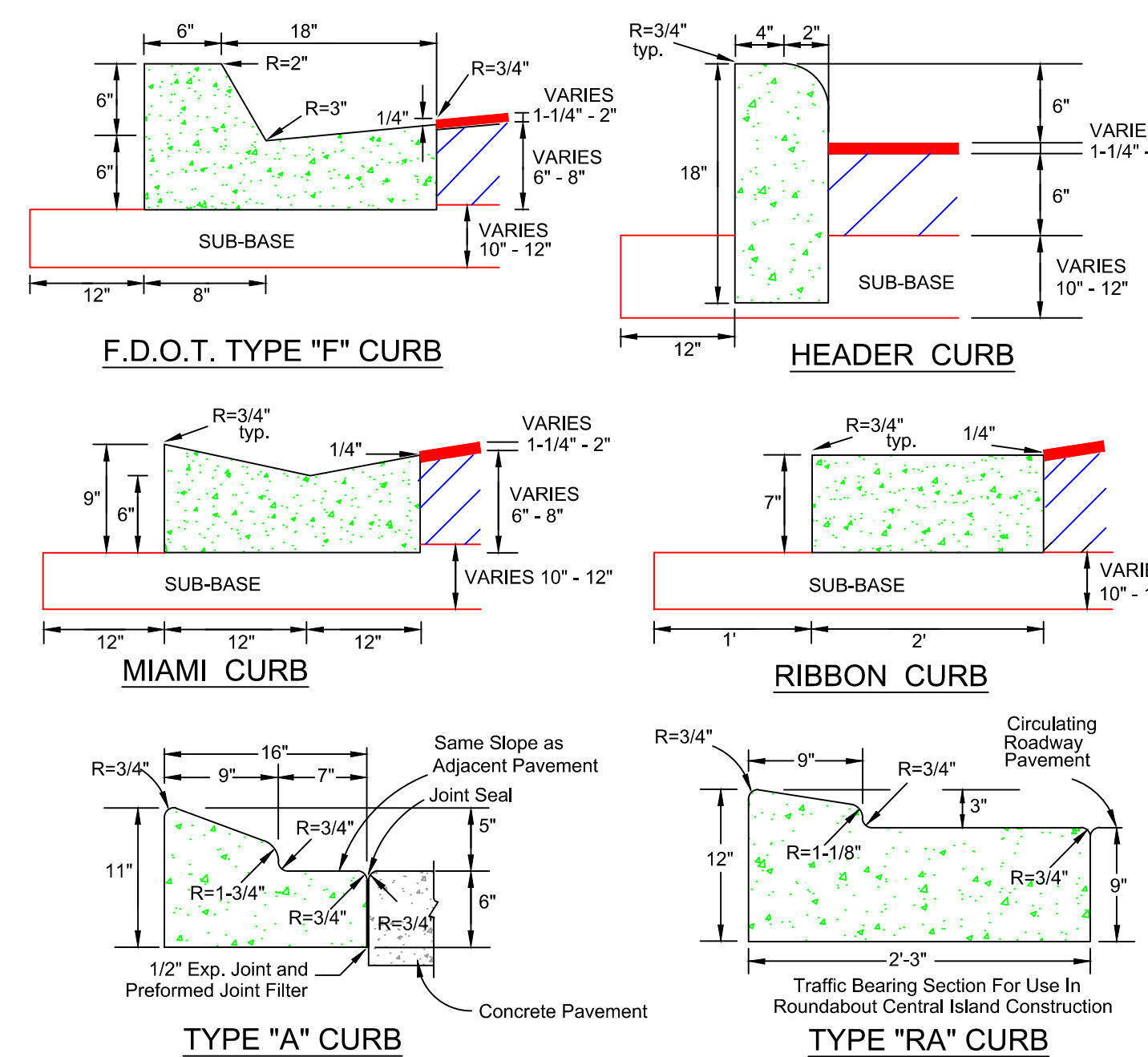


CUL-DE-SAC WITH SINGLE STORM INLET
RD006-1



CUL-DE-SAC WITH DUAL STORM INLET
RD007-1



- NOTES:**
- ALL CURBS TO BE CONSTRUCTED OF 28 DAY, 3,000 P.S.I. CONCRETE.
 - 1/2" PRE-MOLDED EXPANSION JOINT REQUIRED EVERY 500'. CONSTRUCTION JOINT REQUIRED EVERY 10' MAXIMUM (4' MINIMUM).
 - 1/2" PRE-MOLDED EXPANSION JOINT REQUIRED AT EACH SIDE OF ALL STORM INLET STRUCTURES AND AT ALL RADIUS POINTS.
 - SUB-BASE TO BE COMPACTED AND TESTED TO 98% MINIMUM DENSITY WITH MINIMUM L.B.R. 40 BASED ON AASHTO T-180 MODIFIED PROCTOR TEST.
 - EXPANSION JOINT MATERIAL MUST COVER THE ENTIRE CROSS SECTION OF CURB.

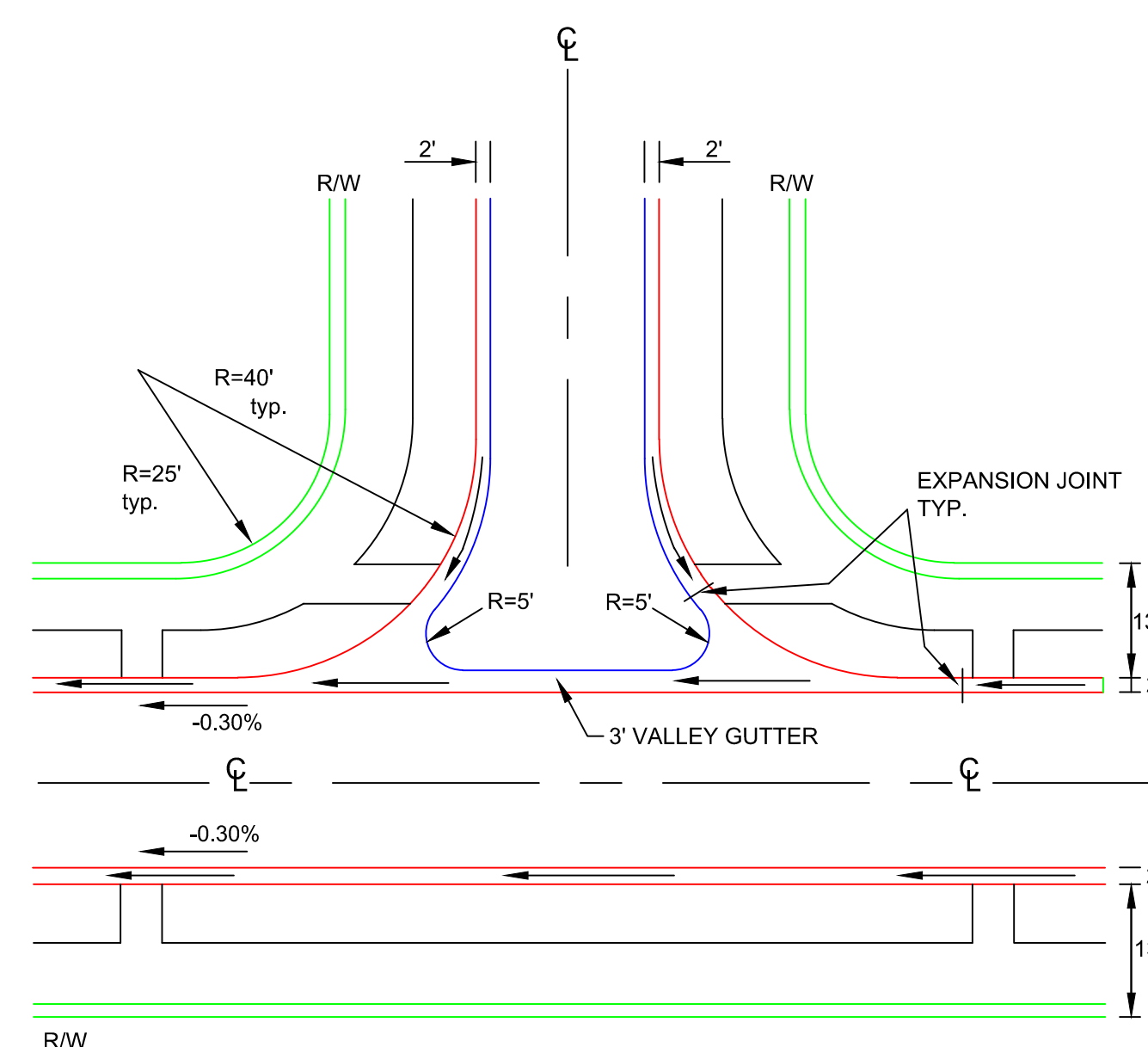
STANDARD CURB CONSTRUCTION
MI009

ROAD CLASSIFICATION	DESIGN SPEED (MPH)	PVMT WIDTH (P)	RIGHT OF WAY WIDTH	MIN. HORIZ. RADIUS C.L.	MIN. VERT. CURVE	MAX. GRADE (%)	MIN. INT. SPACE
LOCAL / COLLECTOR UP TO 400 VPD	20	12	50	50'	75'	0.5	150'
	25	12	60	95'	125'	0.5	200'
	20	12	50	95'	50	0.5	200'
	25	12	60	180'	165'	0.5	250'
	30	12	80	300'	200'	0.5	330'
UP TO 1000 VPD	35	12	80	375'	225'	0.5	660'
	40	12	80	450'	275'	0.5	660'
	40	12	80	450'	275'	0.5	660'
ARTERIAL UP TO 7500 VPD	35	5 LANES (3)		375'	225'	0.5	660'
	40			450'	275'	0.5	660'
	40			450'	275'	0.5	660'

- NOTES:**
- PAVEMENT WIDTHS FOR INDUSTRIAL AND COMMERCIAL ROADS SHALL BE INCREASED BY ONE (1) FOOT.
 - INTERSECTION ANGLES SHALL NOT BE LESS THAN 60 DEGREES EXCEPT ON ARTERIAL ROADWAYS SHALL NOT BE LESS THAN 75 DEGREES. INTERSECTIONS WITH COUNTY ROADS SHALL BE 90 DEGREES.
 - 25 MPH MIN. DESIGN SPEED UNLESS APPROVED BY THE CITY ENGINEER.
 - ALL INTERSECTIONS AND ACCESS POINTS SHALL HAVE ADEQUATE LINE OF SIGHT BASED ON AN EYE LEVEL OF 3.5' ABOVE THE GROUND AND AN OBJECT 3.0' ABOVE THE LOWEST ROADWAY. FOR PURPOSES OF THIS STANDARD, THE EYE LEVEL SHALL BE MEASURED 8' IN BACK OF THE STOP BAR AT INTERSECTIONS. THE FOLLOWING SIGHT DISTANCES SHALL BE PROVIDED:

DESIGN SPEED (MPH)	20	25	30	35	40	45	50	55
SIGHT DISTANCE (FT) (MINIMUM)	200	250	300	350	400	450	500	550

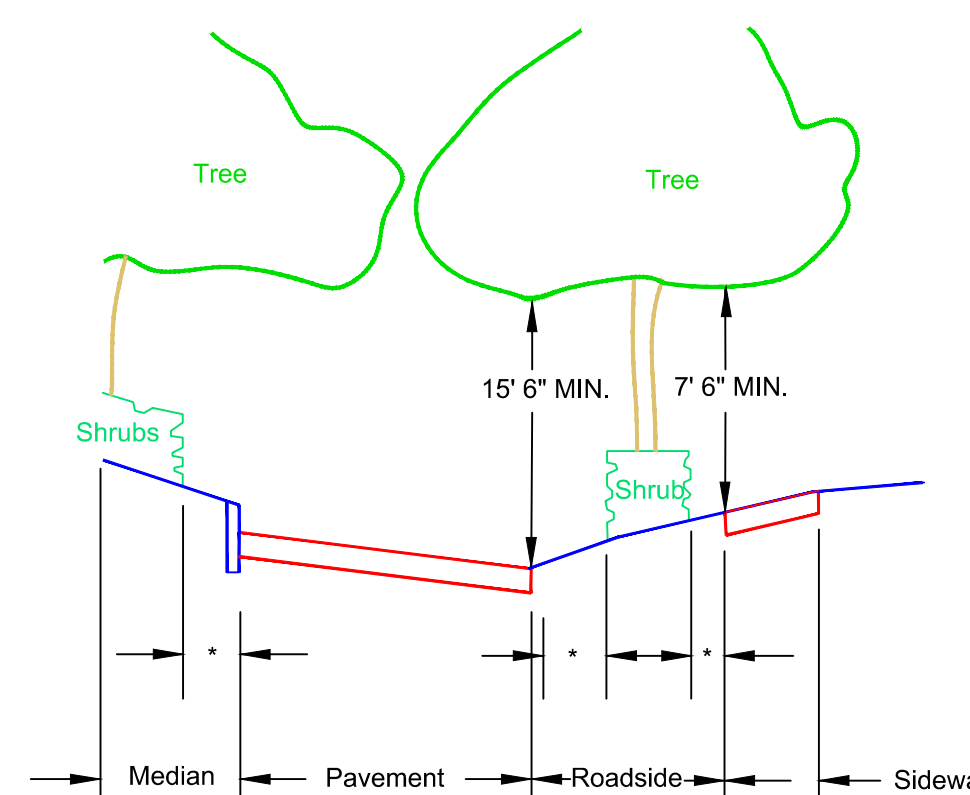
ROADWAY GEOMETRY
RD002-1



- NOTES:**
- VALLEY GUTTER TO HAVE A STANDARD LONGITUDINAL SLOPE OF -0.30%
 - VALLEY GUTTER TO BE CONSTRUCTED OF 28 DAY, 3,000 P.S.I. CONCRETE
 - SUB-BASE TO BE COMPACTED AND TESTED TO 98% MINIMUM DENSITY WITH MINIMUM L.B.R. 40 BASED ON AASHTO T-180 MODIFIED PROCTOR TEST, OR FBV 75 PSI.
 - VALLEY GUTTERS ARE REQUIRED WHEN STORM WATER CROSSES THE INTERSECTION.

* DEPTH OF SUB-BASE VARIES ACCORDING TO PLANS.

ROADWAY VALLEY GUTTER
RD008-2



Type Facility	Roadway Clear Zones (*)				
	25 & below	30	35	40	45+
Curb Road	2.5'	4' (1)	4' (1)	4' (1)	4' (1)
Rural Road	6'	6' Local 10' Collector 14' Arterial	6' Local 10' Collector 14' Arterial	10' Collector 14' Arterial	FDOT Std
Sidewalk	3'				

- NOTES:**
- The clear zone may be reduced to 2.5' if the 4' minimum offset cannot be reasonably obtained.
 - Trees in excess of a 4 inch caliper shall be set back to twice the minimum clear zone (2 x *).
 - Where pavement widening in accordance with FDOT Standards is not provided in horizontal curves, additional clear zone shall be provided equal to the required pavement widening.
 - Clear zones on curbed roads shall be measured from the face of curb or from the edge of the through lane on rural roads. Curbed streets are for high back curbs only.
 - Shrubs adjacent to sidewalks and within intersection sight triangles cannot exceed 24 inches above the lowest adjacent roadway grade. All other shrubs must be less than or equal to 30 inches in height.

ROADWAY CLEAR ZONE & LANDSCAPING
RD009-1

PUBLIC WORKS & UTILITIES ENGINEERING AND DESIGN STANDARDS ISSUED 2017 REVISED 03/01/2017 BY: DJB	CITY OF ALTAMONTE SPRINGS 225 NEWBURYPORT AVE ALTAMONTE SPRINGS, FLORIDA 32701	DATE: X
		SCALE: N.T.S.
RD901-1B ROADWAY DETAILS - CITY PROJECTS		1
		SHEET 1 OF 1