



**PALM BEACH COUNTY
PLANNING, ZONING AND BUILDING DEPARTMENT
BUILDING DIVISION
POLICY AND PROCEDURE**

Rebecca D. Caldwell, Director

**PPM#: PBO-009
Issued: 04/27/12
Effective: 04/27/12**

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- SUBJECT:** DRIVEWAY SWALES, SIDEWALKS & TURNOUTS
- AUTHORITY:** PBC Land Development Code; PBC Land Development Design Standards Manual, Section 300 (attached)
- PURPOSE:** The purpose of this PPM is to outline Building Division requirements related to the construction and inspection of driveway swales, sidewalks and turnouts as required by Palm Beach County Engineering Department.
- POLICY:** Right-of-Way swale area shall be designed in accordance with PPM# PBO-044, Drainage. Sidewalks and turnouts shall be constructed in accordance with the attached details found in PBC Engineering Design Manual 300 unless otherwise specified by County Engineering or FDOT.
- PROCEDURE:** **Other design consideration.** Only pipe approved by Palm Beach County Engineering office can be used within dedicated roadways. Furthermore, the use of paver block or stamped concrete driveways within dedicated roadways must be approved by their office, prior to installation. As of this date, paver block and stamped concrete have not been permitted for use as a sidewalk surface course.

Supersession History

1. PPM# PBO-009, issued 02/10/88
2. PPM# PBO-009, issued 05/87
3. PPM# PBO-009, issued 02/88
4. PPM# PBO-009, issued 06/89
5. PPM# PBO-009, issued 10/90
6. PPM# PBO-009, issued 04/27/12


Director

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**DRIVEWAY
AND OTHER
TURNOUTS**

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DRIVEWAYS AND OTHER TURNOUTS

General Design and Construction Policies

1. THE DRAWINGS CONTAINED IN THIS SECTION ARE INTENDED TO ILLUSTRATE ACCEPTABLE TYPICAL DESIGN OF THE REQUIRED IMPROVEMENT. THE DRAWINGS ARE NOT INTENDED TO BE USED DIRECTLY AS DETAILS FOR CONSTRUCTION PLANS.

EACH DRAWING MUST BE MODIFIED TO CONTAIN COMPLETE CONSTRUCTION DETAIL AND NOTATIONS IN ORDER TO BE USED ON CONSTRUCTION PLAN SUBMITTALS.

2. PAVEMENT

The paving standards of Art. 6.A.1.D.12.b apply only to on-site driveway construction beyond the limits of the abutting street.

3. COMMERCIAL DRIVEWAYS

- a. Unless otherwise specified herein, or by prior approval from the County Engineer for alternative design, driveways shall be constructed in accordance with DOT Design Index No. 515 or 516, as applicable.
- b. Dimensions at edge of pavement shall comply with the minimum widths set forth in Art. 6.A.1.D.14.b.

4. DRIVEWAY LOCATIONS AND SPACING

The following minimum standards shall apply to the location and spacing of street connections for all driveways. Where it is deemed necessary by the County Engineer for traffic safety and operational reasons, the following distances may be increased or decreased as a result of site specific conditions. The construction of turn lanes and physical barriers, such as medians, may be required by the County Engineer on adjacent streets, after his review of the specific site access proposal.

a. Corner Lots

- 1) Along local streets, driveways to corner lots shall be located to provide a minimum of 35 feet from the intersection of the projection of the right-of-way lines to the near edge of driveway pavement. On zero lot line corner lots, driveways shall be located a minimum of 25 feet from the intersection of the projection of right-of-way lines to the near edge of driveway pavement.
- 2) Along minor (i.e., non-Plan) collector streets, driveways to corner lots shall be located to provide a minimum of 50 feet from the intersection of the projection of the right-of-way lines to the near edge of driveway pavement. It is desirable to minimize the number of driveways connecting to a collector street. However, if required for access or circulation, a second driveway may be permitted on the side of the lot adjacent to the lanes departing the intersection, as long as the edge-to-edge distance between driveways is such that the pavement return radii are separated by at least 10 feet.

In general, it is desirable to locate such driveways as far away from street intersections as possible.

- 3) Along major (i.e., Plan) collector and arterial streets, driveways to corner lots shall be located in accordance with applicable requirements of "Access Management Standards for County Roads Shown on the Thoroughfare Right-of-Way Identification Map", available from the Traffic Division.

b. Mid-Block Lots

- 1) Along local streets, driveways serving abutting lots shall be located such that flares or returns are separated by at least 5 feet.

- 2) Along minor collector streets, driveways shall be located such that the near edge of driveway pavement is at least 15 feet from the shared property line. Flares or returns for the proposed driveways shall be separated from the flares or returns for existing driveways on abutting lots by at least 10 feet.
- 3) Along major collector and arterial streets, driveways shall be located in accordance with applicable requirements of "Access Management Standards for County Roads Shown on the Thoroughfare Right-of-Way Identification Map", available from the Traffic Division.
- 4) Driveways serving shopping centers shall be well spaced, and the number of driveways shall be the minimum number practical to serve the site.

5. DRIVEWAY CONSTRUCTION

Except for those driveways serving individual single family or duplex residential lots, each driveway shall be classified as one of the following types and constructed in accordance with the following requirements.

Where it is deemed necessary by the County Engineer for traffic safety and operational reasons, the applicable requirements may be increased or decreased as a result of site specific conditions. The construction of physical barriers, such as medians, may be required by the County Engineer on adjacent streets, after his review of the specific site access proposal.

a. Minor Driveway

A minor driveway is one that serves an average daily traffic volume of no more than 500 vehicles (trips). The minimum distance from the street right of way at any driveway to any interior service drive or parking space shall be 25 feet, measured on a line perpendicular to the street right-of-way. Minor driveways shall provide minimum single lane widths of 12 feet and provide

minimum pavement return radii of 20 feet. In cases when minor driveway connections are to be made to curbed streets the connections may be constructed using drop curb instead of radial returns. Minor driveways may have left and turn lanes and/or median modifications as required by the County Engineer.

b. Intermediate Driveway

An intermediate driveway is one that serves an average daily traffic volume greater than 500 vehicles but not more than 2,000 vehicles (trips). The minimum distance from the street right of way at any driveway to any interior service drive or parking space shall be 50 feet, measured on a line perpendicular to the street right-of-way. Intermediate driveways shall provide minimum ingress lanes 12 feet wide and egress lanes 12 feet wide. Where left and right turn egress is allowed, dual egress lanes may be provided and marked appropriately for use as left and right turn lanes. Intermediate driveways shall provide minimum pavement return radii of 30 feet. Intermediate driveways may have left and turn lanes and/or median modifications as required by the County Engineer.

c. Major Driveway

A major driveway is one that serves an average daily traffic volume in excess of 2,000 vehicles (trips). The minimum distance from the street right-of-way at any driveway to any interior service drive or parking space shall be 100 feet, measured on a line perpendicular to the street right-of-way. Major driveways shall provide minimum ingress lanes 14 feet wide and egress lanes 12 feet wide. Where left and right turn egress is allowed, dual egress lanes shall be provided and marked appropriately for use as left and right turn lanes. Intermediate driveways shall provide minimum pavement return radii of 40 feet. Major driveways shall have left and right turn lanes and/or median modification as required by the County Engineer.

6. TURN LANE REQUIREMENTS FOR DRIVEWAYS

a. Left Turn Lanes

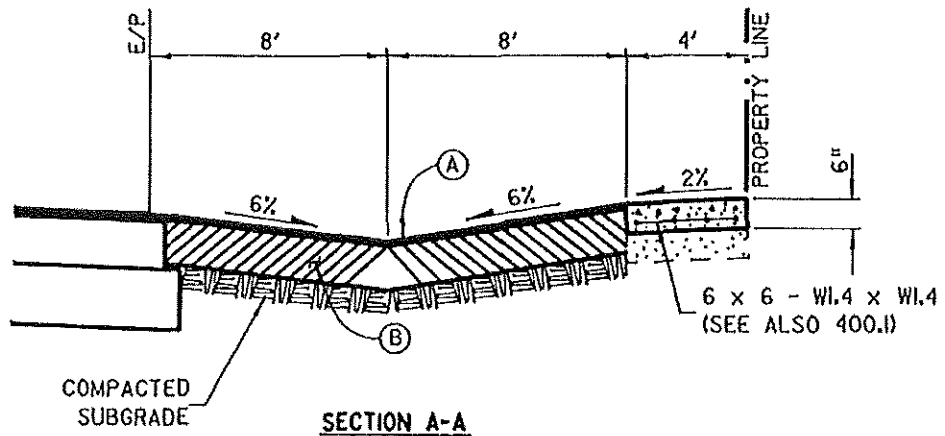
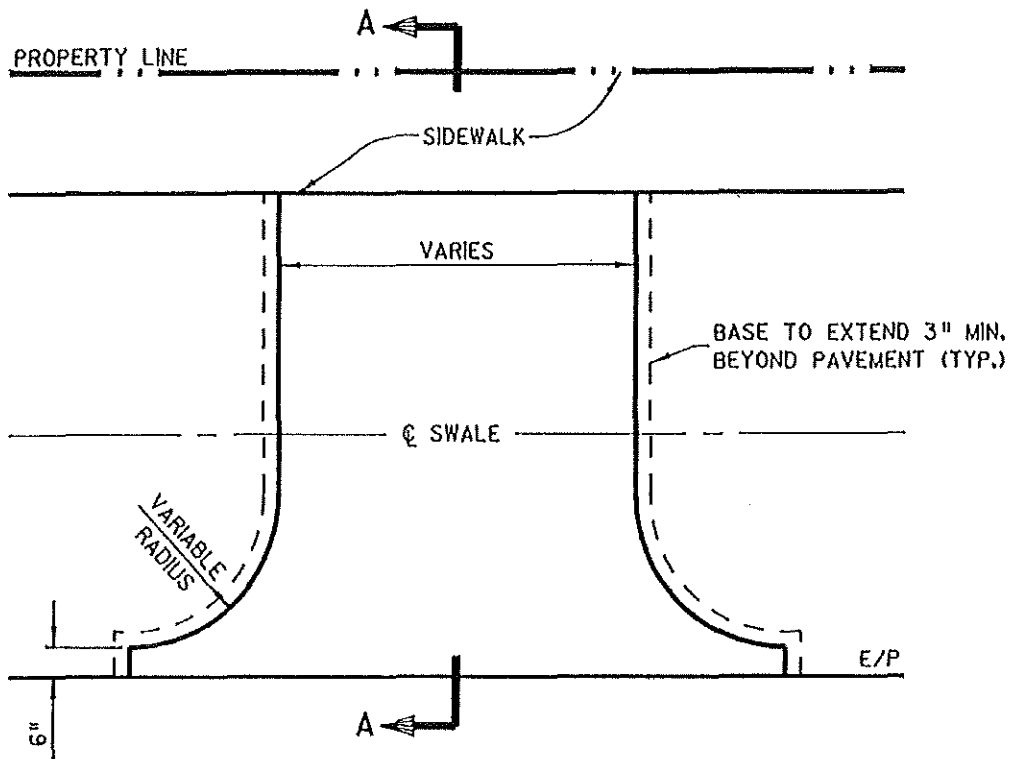
A 12 foot wide left turn lane with appropriate storage and transitions shall be provided at each driveway where inbound peak hour left turning traffic is 30 vehicles or more. This requirement may be waived by the County Engineer when, in his opinion, the speed and volume of opposing traffic is not sufficient to require a left turn lane.

b. Right Turn Lanes

A 12 foot wide right turn lane with appropriate storage and transition shall be provided at each driveway where street average daily traffic volumes exceed 10,000 vehicles per day, and driveway volume exceeds 1,000 trips per day, with at least 75 right turns inbound in the peak hour.

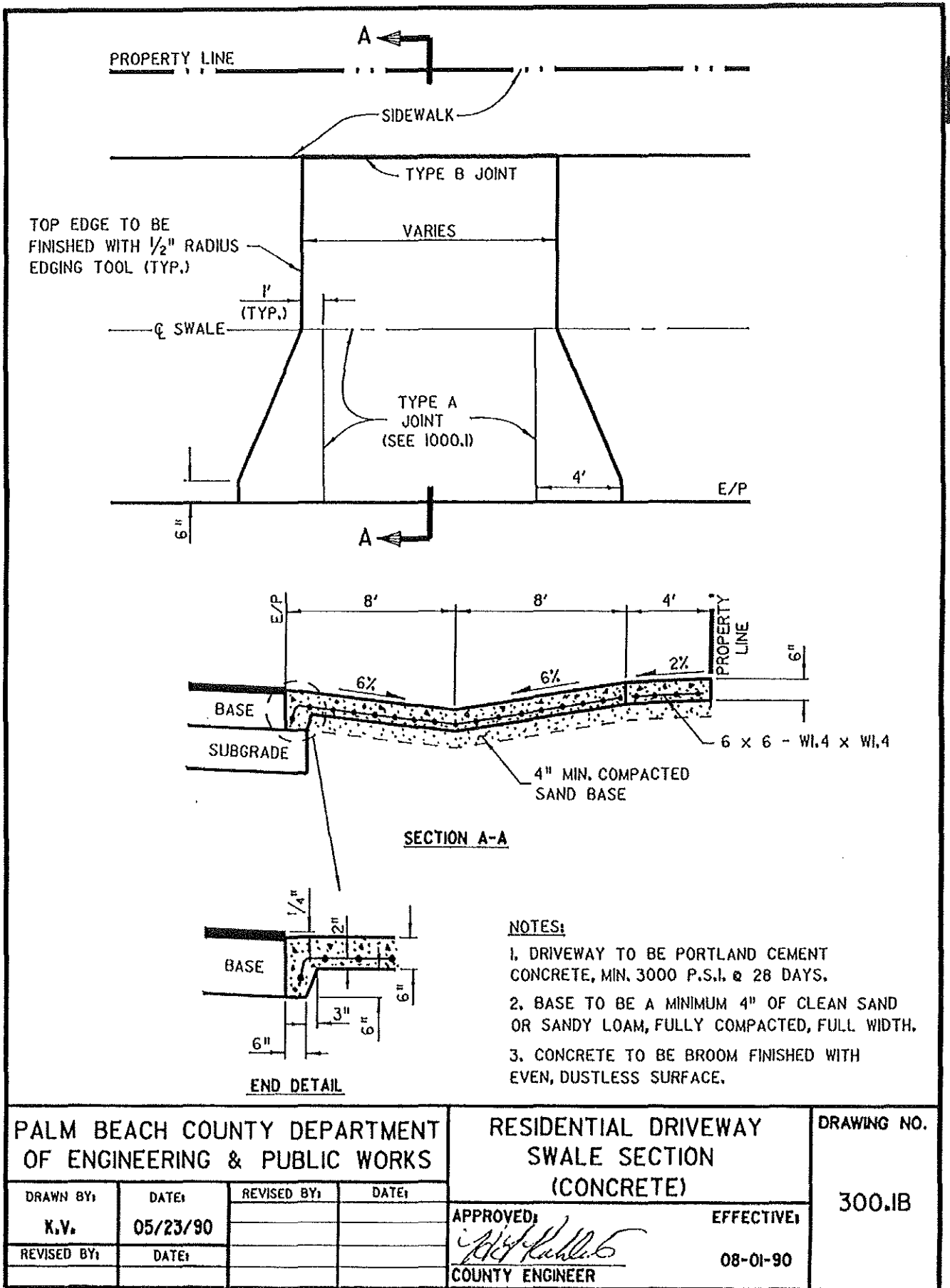
7. TRAFFIC SIGNALIZATION

Traffic signalization for driveway entrance(s) when warranted, as determined by the County Engineer, shall be installed at the sole expense of the project's developer.



- (A) WEARING SURFACE: 1" ASPHALTIC CONCRETE
- (B) BASE: SEE TABLE 100.6

PALM BEACH COUNTY DEPARTMENT OF ENGINEERING & PUBLIC WORKS				RESIDENTIAL DRIVEWAY SWALE SECTION (ASPHALT)		DRAWING NO. 300.IA
DRAWN BY:	DATE:	REVISED BY:	DATE:	APPROVED: 		EFFECTIVE:
K.V.	05/23/90			COUNTY ENGINEER		08-01-90
REVISED BY:	DATE:					



PALM BEACH COUNTY DEPARTMENT OF ENGINEERING & PUBLIC WORKS

RESIDENTIAL DRIVEWAY SWALE SECTION (CONCRETE)

DRAWING NO.

DRAWN BY:	DATE:	REVISED BY:	DATE:
K.V.	05/23/90		
REVISED BY:	DATE:		

APPROVED:

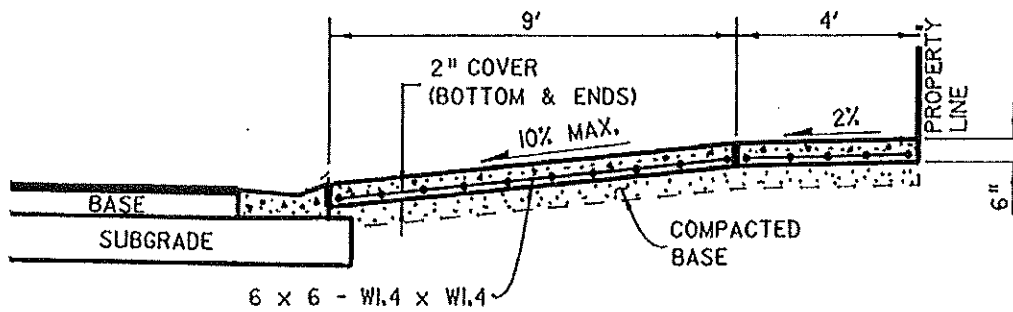
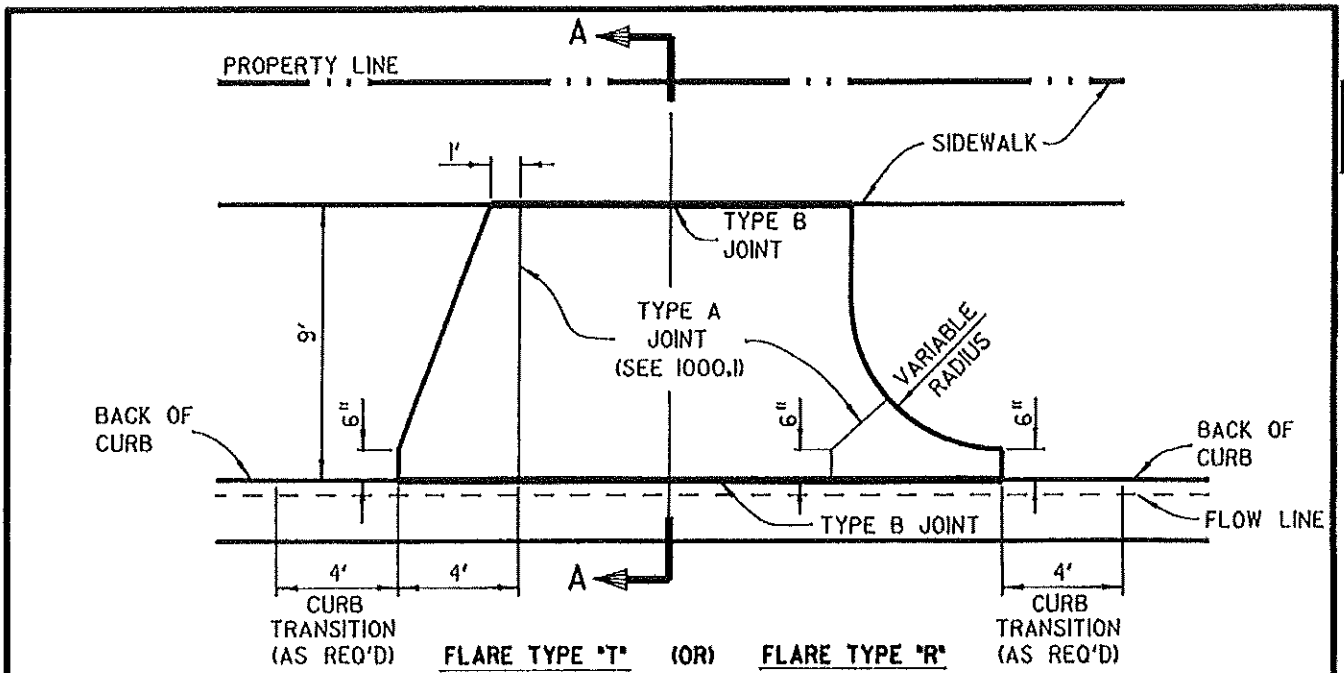
[Signature]

COUNTY ENGINEER

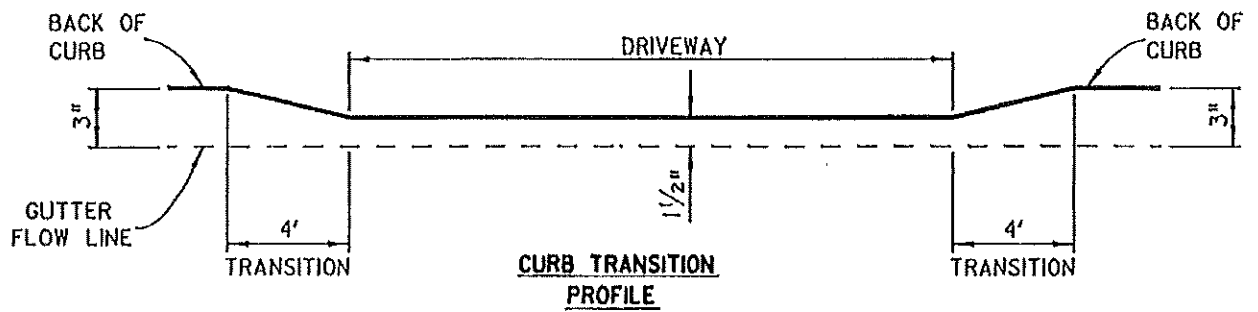
EFFECTIVE:

08-01-90

300.IB



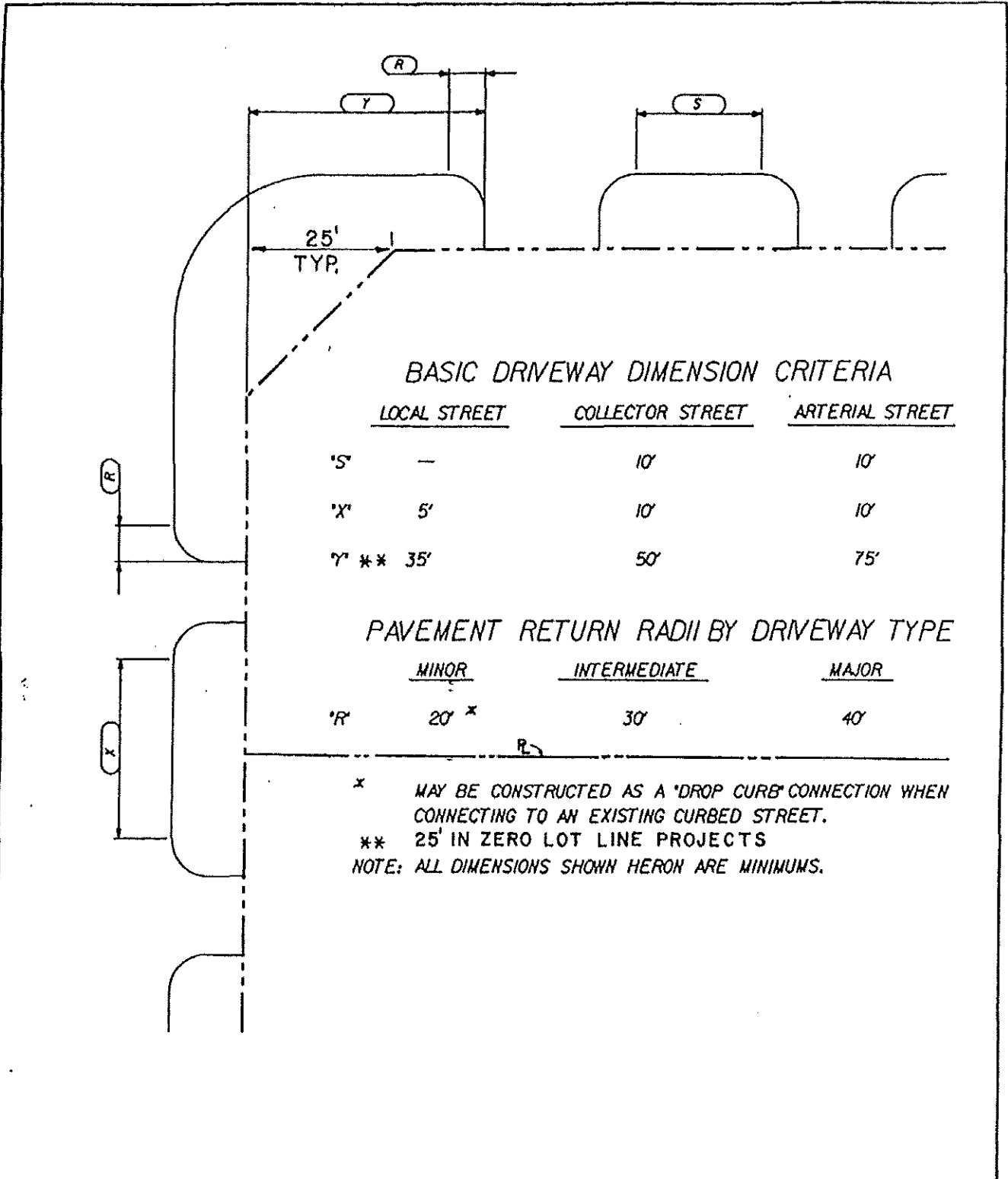
SECTION A-A



CURB TRANSITION PROFILE

- NOTES:**
1. DRIVEWAY TO BE PORTLAND CEMENT CONCRETE, MIN. 3000 P.S.I. @ 28 DAYS.
 2. BASE TO BE A MINIMUM 4" OF CLEAN SAND OR SANDY LOAM, FULLY COMPACTED, FULL WIDTH.
 3. CONCRETE TO BE BROOM FINISHED WITH EVEN, DUSTLESS SURFACE.

PALM BEACH COUNTY DEPARTMENT OF ENGINEERING & PUBLIC WORKS				RESIDENTIAL DRIVEWAY CURB & GUTTER SECTION (CONCRETE)		DRAWING NO.
DRAWN BY:	DATE:	REVISED BY:	DATE:	APPROVED:	EFFECTIVE:	300.IC
K.V.	05/23/90			<i>[Signature]</i>	08-01-90	
REVISED BY:	DATE:			COUNTY ENGINEER		



BASIC DRIVEWAY DIMENSION CRITERIA

	<u>LOCAL STREET</u>	<u>COLLECTOR STREET</u>	<u>ARTERIAL STREET</u>
'S'	—	10'	10'
'X'	5'	10'	10'
'Y' **	35'	50'	75'

PAVEMENT RETURN RADII BY DRIVEWAY TYPE

	<u>MINOR</u>	<u>INTERMEDIATE</u>	<u>MAJOR</u>
'R'	20' ^x	30'	40'

^x MAY BE CONSTRUCTED AS A 'DROP CURB' CONNECTION WHEN CONNECTING TO AN EXISTING CURBED STREET.

** 25' IN ZERO LOT LINE PROJECTS

NOTE: ALL DIMENSIONS SHOWN HEREON ARE MINIMUMS.

PALM BEACH COUNTY DEPARTMENT OF ENGINEERING & PUBLIC WORKS

DRIVEWAY CRITERIA

DRAWING NO.

DRAWN BY:	DATE:	REVISED BY:	DATE:
S.J.B.	02/19/93		
REVISED BY:	DATE:		

APPROVED: *Greg T. Hill*
COUNTY ENGINEER

EFFECTIVE: 3-1-93

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