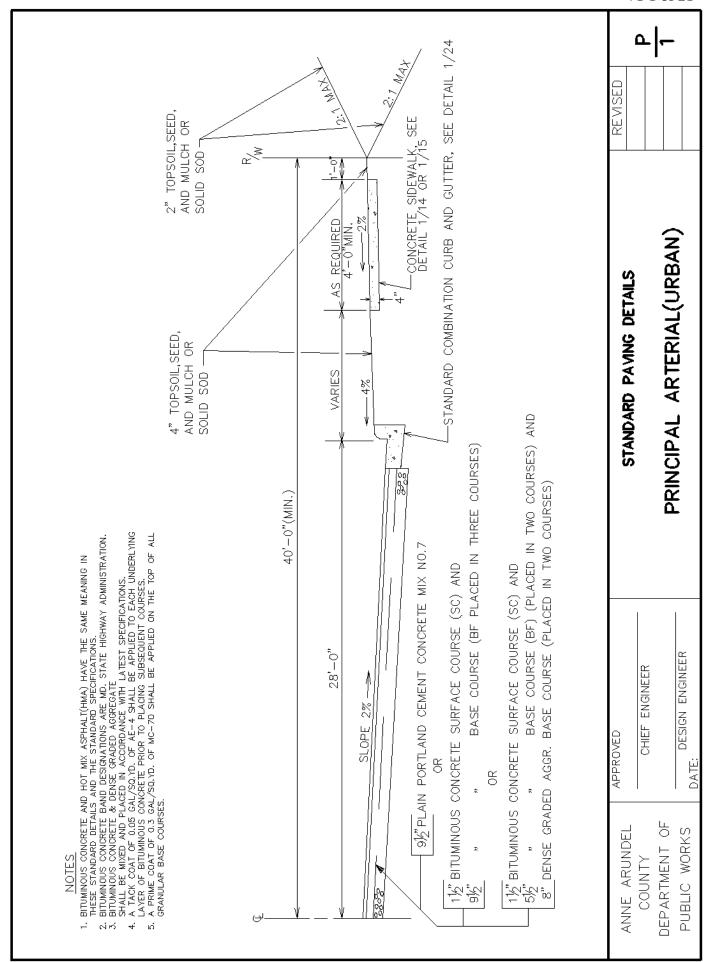
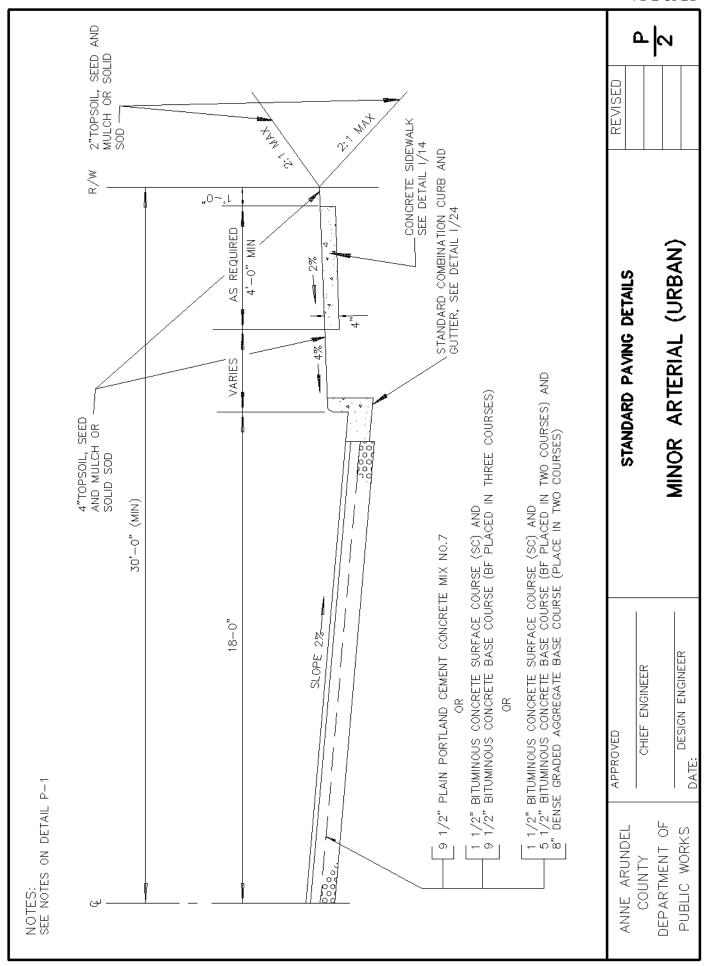
SECTION VI PAVING

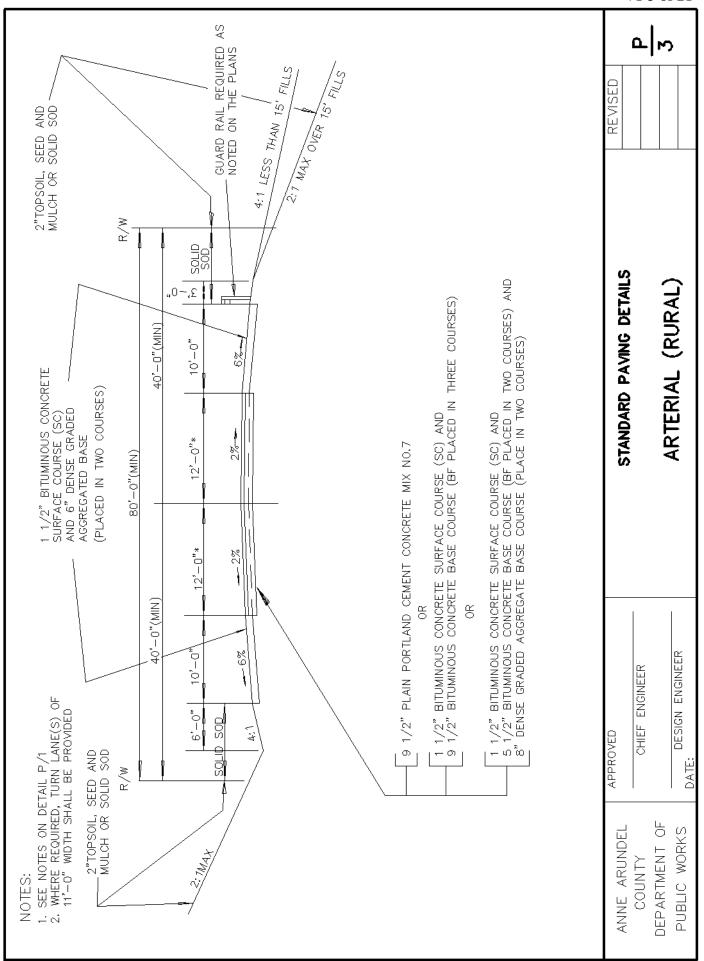
TABLE OF CONTENTS

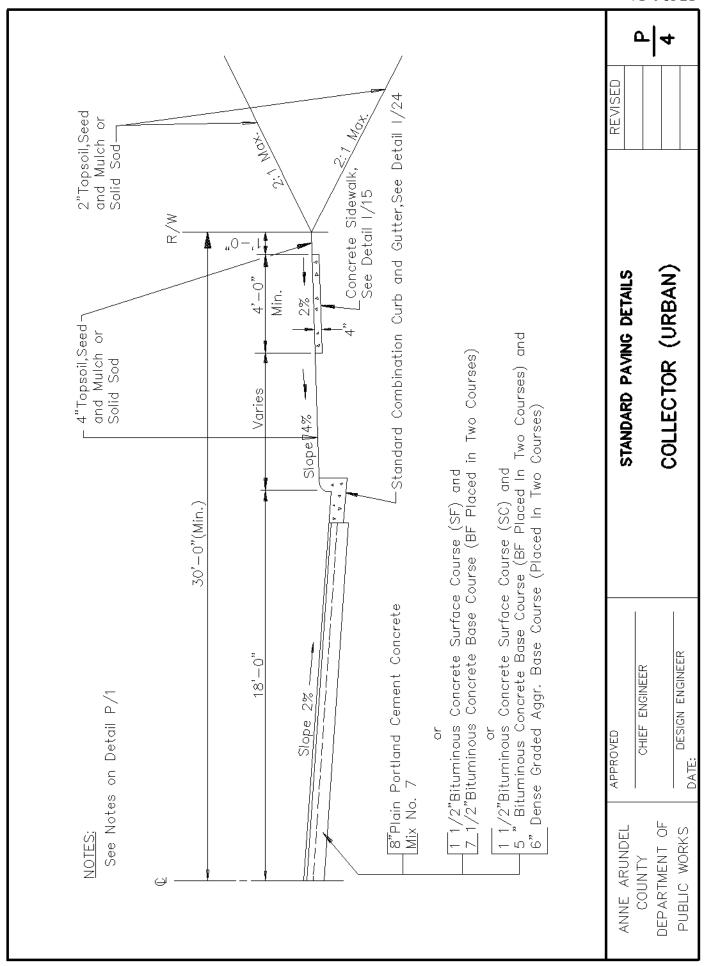
PAVING DETAILS

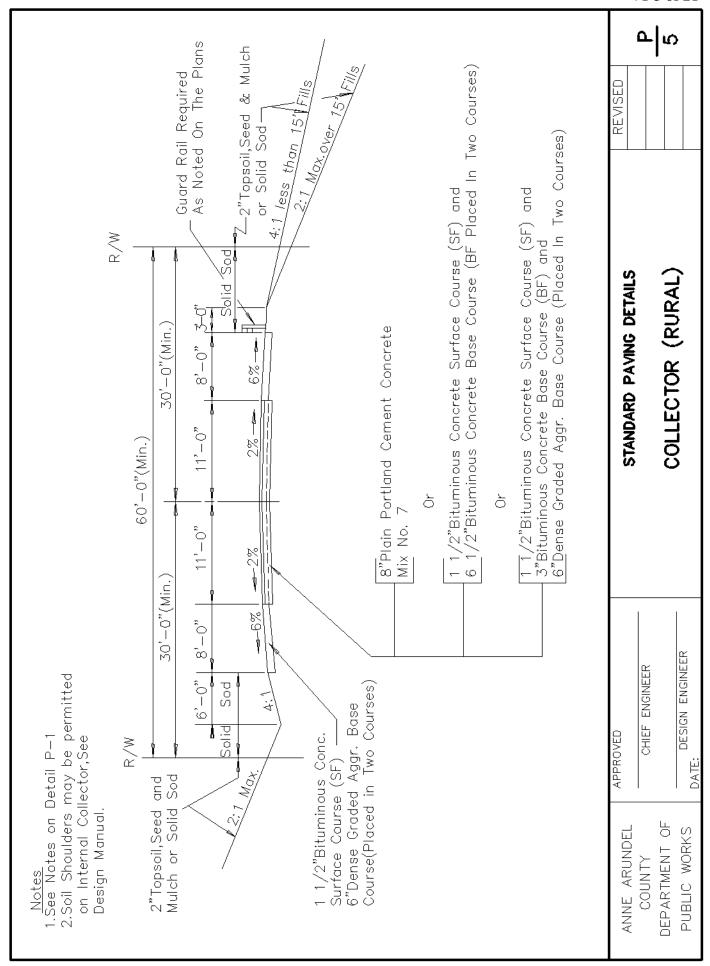
<u>No.</u>	<u>Title</u>
P-1	Principal Arterial (Urban)
P-2	Minor Arterial (Urban)
P-3	Arterial (Rural)
P-4	Collector (Urban)
P-5	Collector (Rural)
P-6	Local Street and Cul-De-Sac (Urban)
P-7	Local Road (Rural Residential, A.D.T. 300-750)
P-8	Local Road, Cul-De-Sac and Loops (Rural Residential A.D.T. 0-300)
P-9	Local Access Road (Rural Residential, Serving Four Lots or Less)
P-10	Cul-De-Sac
P-11	"T" Turnaround
P-12	Stopping Lane for Public Transportation Vehicles
P-13	Stopping Lane for Public Transportation Vehicles – Section "A" – "A"
P-14	Typical Solution of Elevation of Top Curb
P-15	Widening Computation
P-16	Types of Joints for Concrete Pavements
P-17	Paver Blocks (Traffic Bearing)
P-18	Paver Blocks (Non-Traffic Bearing)
P-19	Paver Blocks at Valve Boxes, Meters and Similar Structures
P-20	Paver Blocks at Manholes and Inlets
P-21	Paver Block Cross Walk

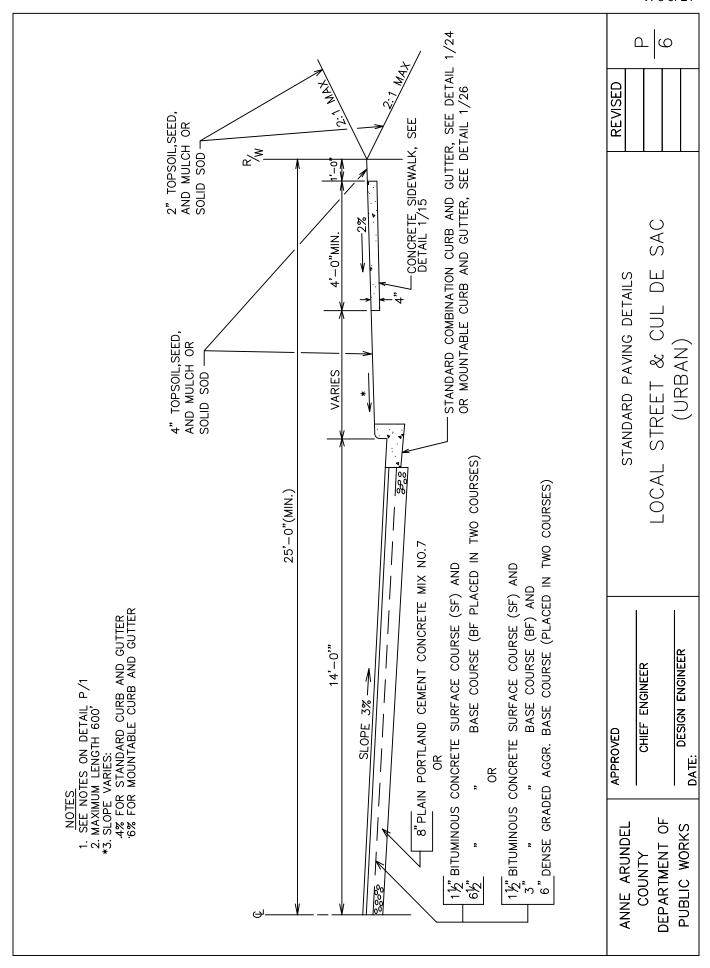


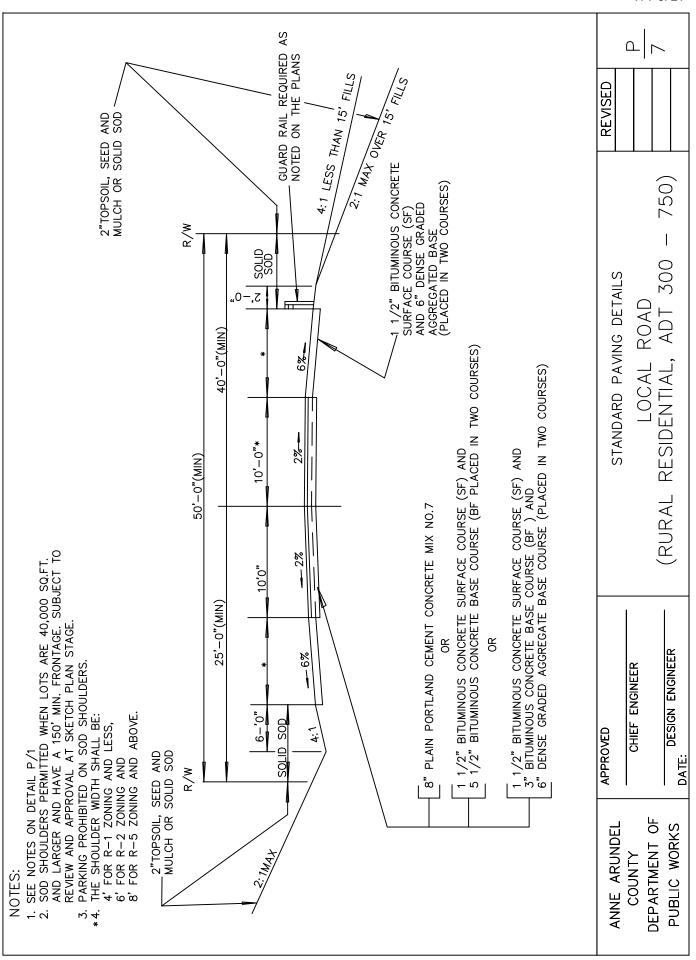


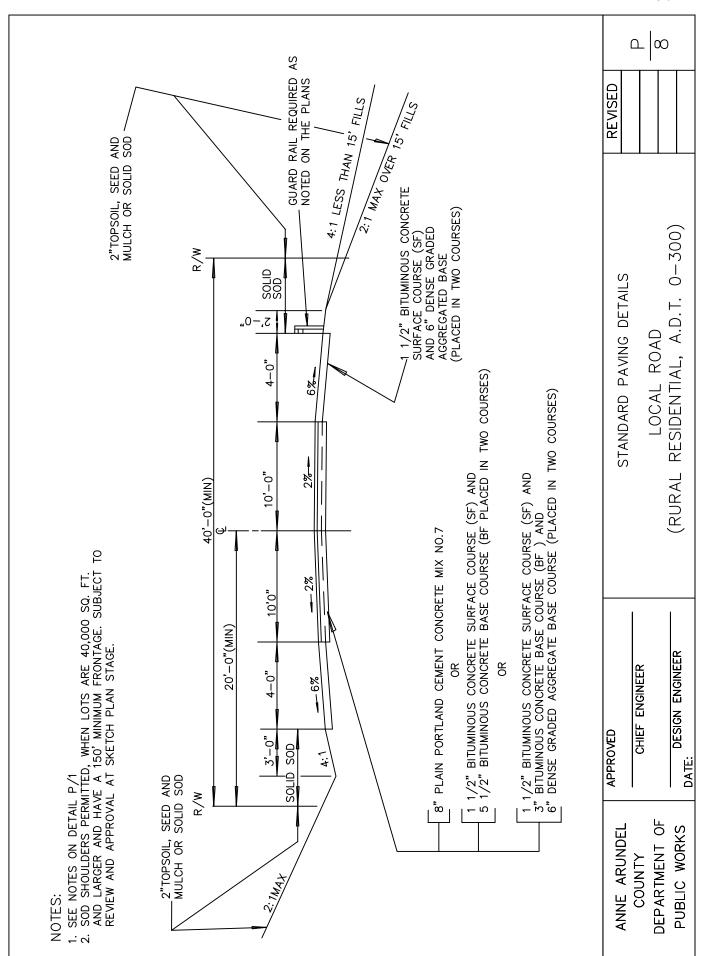


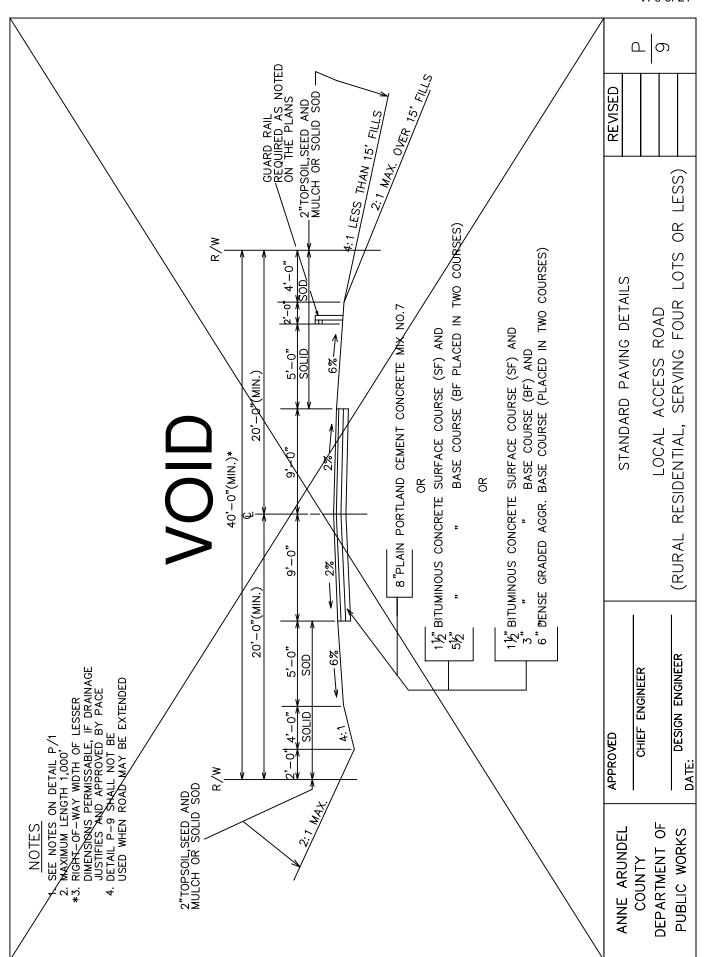


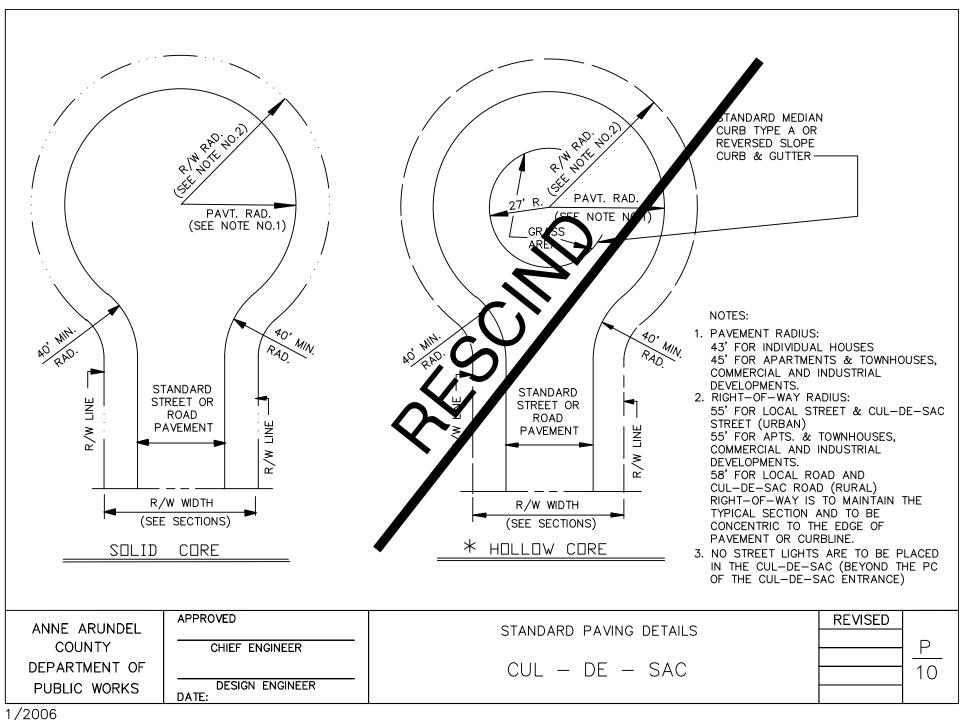


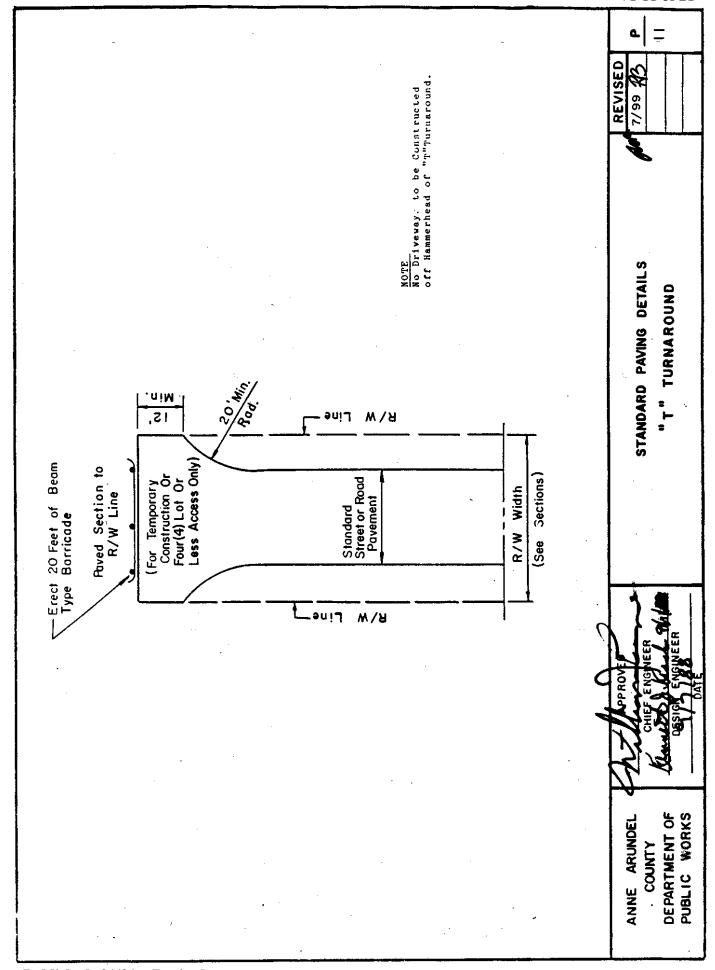


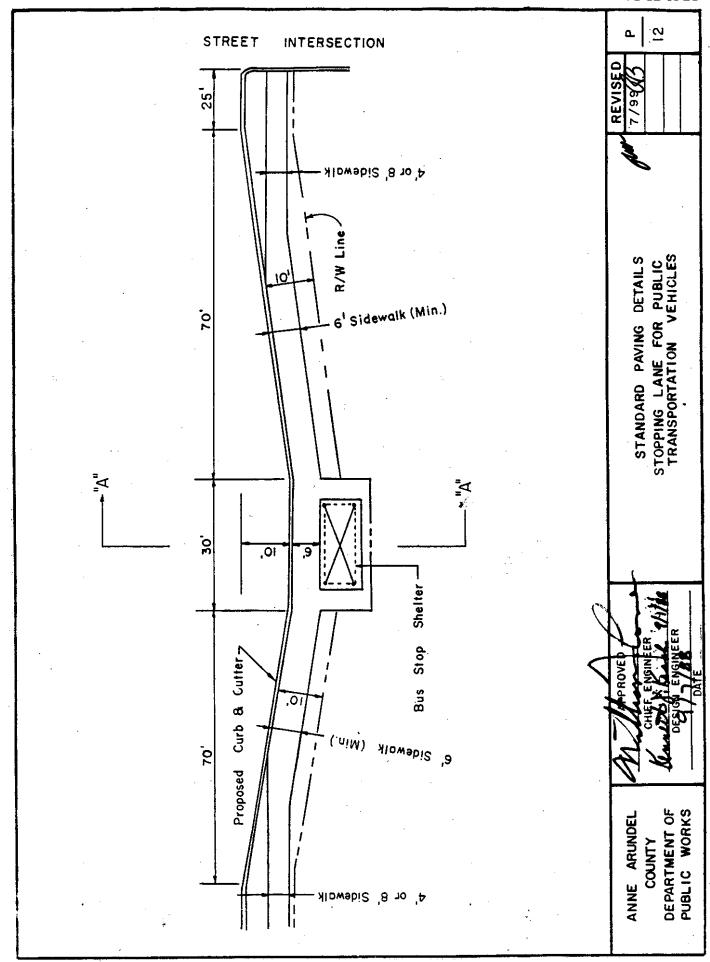


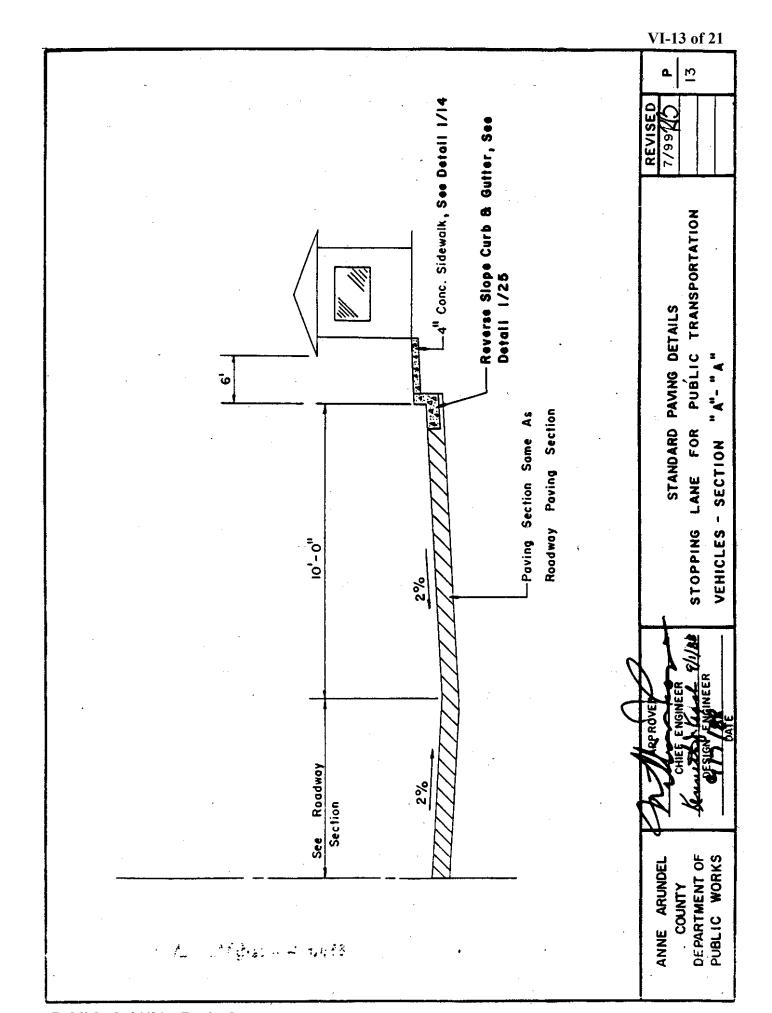


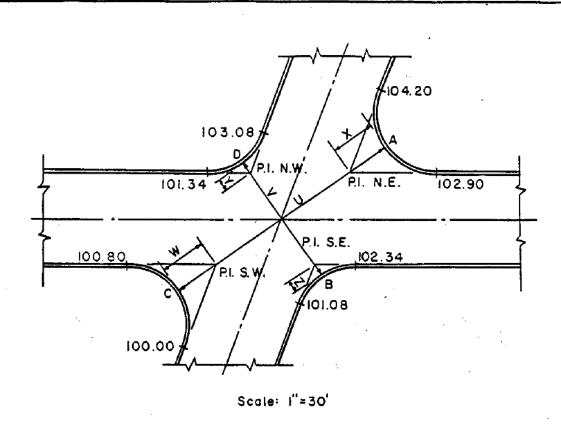






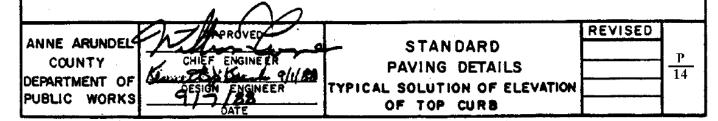


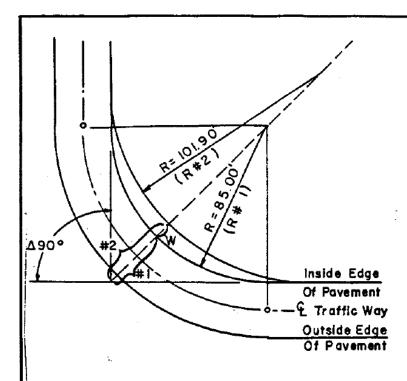




TYPICAL SOLUTION OF ELEVATION OF TOP CURB P.I.

- I. Average elevations of P.C. and P.T. of each curb section.
- 2. Distance U Distance V
- 3. Distance W&X
 Distance Y&Z
- 4. Difference in elevation pt. A & pt. C Difference in elevation pt. B & pt. D
- 5. W(or'X) times diff in elev. (ptA to ptC)
- 6. Y (or Z) times diff. in elev. (pt B to ptD)
- 7. Center line elevations (intersection of center lines of both streets) must be identical.
- pt. 'A' 103.55, pt. 'B' 101.71 pt. 'C' 100.40, pt. 'D' 102.21 82 feet 45 feet 15 feet 4.5 feet 103.55 -100.40 = 3.15 102.21 - 101.71 = 0.50 15x 3.15 = 0.60 82 4.5 x 0.50 = 0.05





- Find External #1, using the following formula:
 External #1 = R #1 · Exsec 1/2 Δ
- 2. Add Widening W to External # 1
 This will be External # 2.
- 3. Find Radius # 2, using the following formula:

$$R \# 2 = \frac{External \# 2}{Exsec 1/2 \Delta}$$

CENTER LINE RADIUS OF CURVE	MIN. LENGTH OF CURVE*	
500' - 451'	400'	3'
450' - 351'	350'	4'
350' - 251'	300'	5'
250' - 151	200	6'
150' - 100'	150	7'

* CURVES LESS THAN THIS LENGTH WILL NOT REQUIRE WIDENING.

Example:

Giv en:

€ Radius = 100'

Δ

= 90°-00'

Normal pavement width = 30' (Right of Way = 50')

Required Widening for \mathbb{L} R of 100' = 7' (to be applied at midpoint of inside edge pavement.)

Required:

Radius (R # 2) of widening.

Solution:

Radius of inside edge of pavement (R#1) = 100'-15' = 85'

External # $! = 85 \times Exsec 1/2 \Delta =$

85 × . 4 | 4 2 | = 35, 2 |

External #2 = 35.21 + 7 = 42.21

Radius (R#2) = $\frac{\text{External #2}}{\text{Exsec } 1/2 \ \Delta} = \frac{42.21}{41421} = 101.90'$

Note:

The Radius of the inside Property Line in this example will be 91.90'. (101.90'-10.00')

ANNE ARUNDEL CHIEF ENGINEER PAVINGE PUBLIC WORKS

ANNE ARUNDEL STATE

CHIEF ENGINEER PAVINGE PAVINGE PROPERTY PAVINGENING

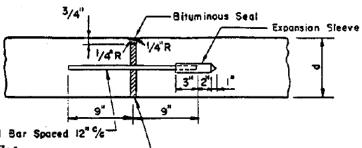
STANDARD PAVING DETAILS

WIDENING COMPUTATION

REVISED P

NOTE:

- I. Smooth dowels for construction shall be painted with approved Red Lead before delivery and free end shall be greased before installation.
- 2. Expansion joints shall be spaced at 600 foot intervals and shall also be used at intersections, Stuctures, and Existing Pavement as required.



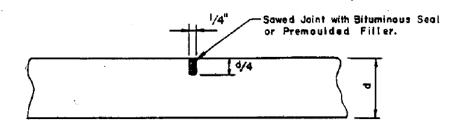
d/8 \$ Smooth Steel Dowel Bar Spaced 12"%

3/4 Premoulded Filler -

EXPANSION JOINT

NOTE:

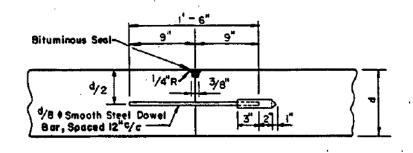
Contraction joints shall be spaced at 20 intervals.



CONTRACTION JOINT

NOTE:

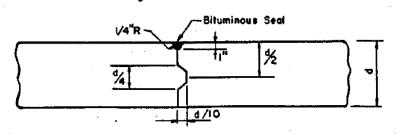
Smooth dowels for construction joints shall be painted with approved Red Lead before delivery and free end shall be greased before installation.



TRANSVERSE CONSTRUCTION JOINT

NOTE:

When adjacent lanes are poured simultaneously, the Longitudinal Joint may be sawed or formed by Joint Insert.



LONGITUDINAL CONSTRUCTION JOINT

(PAVEMENT POURED IN SINGLE LANES)
(No Scale)

ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

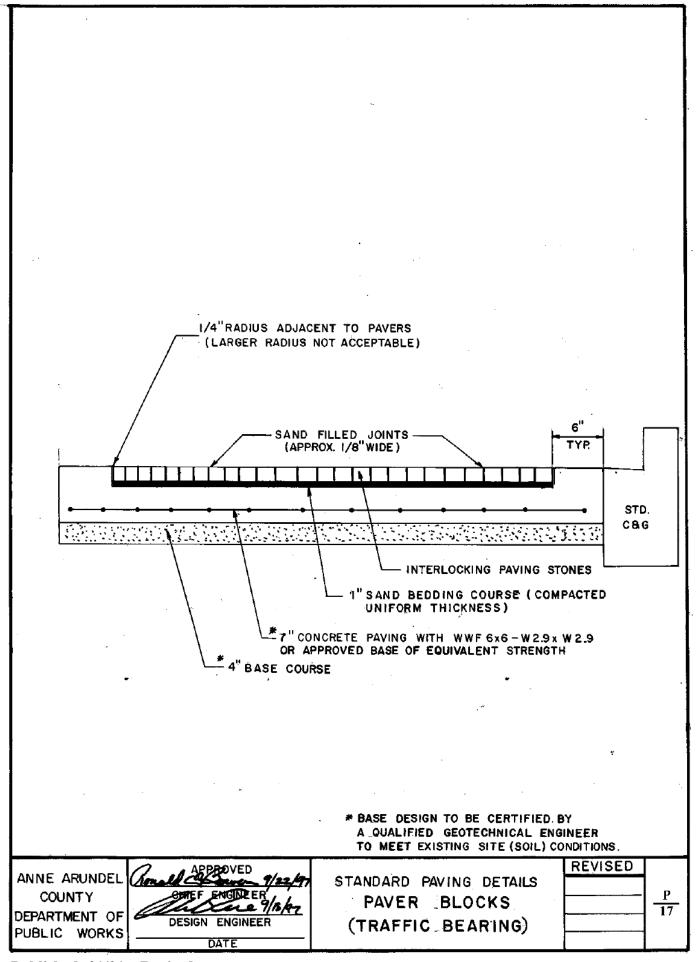
CHIEF ENGINEER

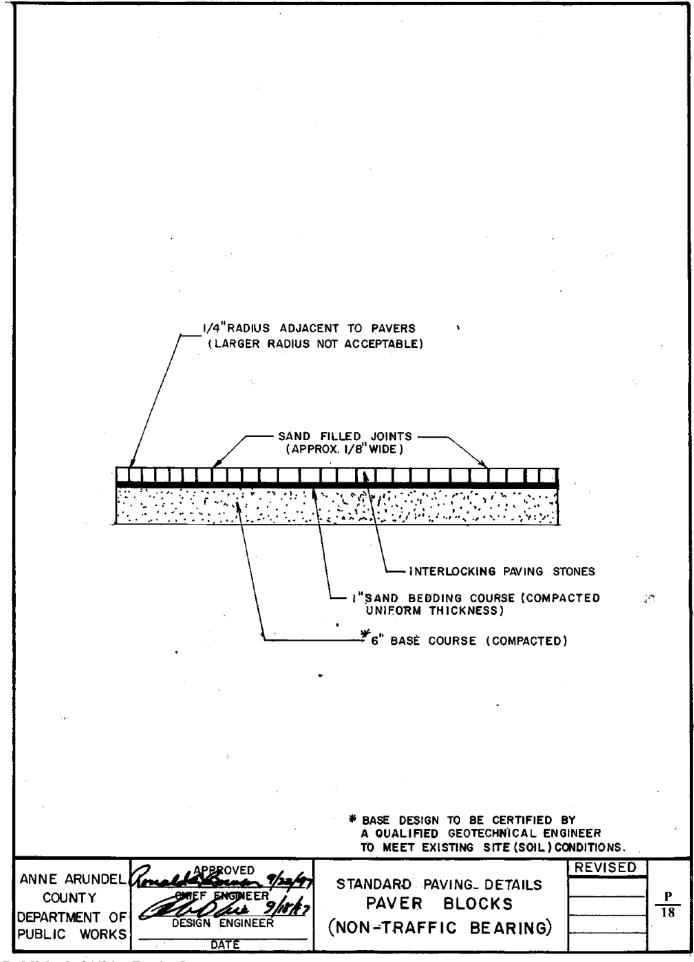
DESIGN ENGINEER

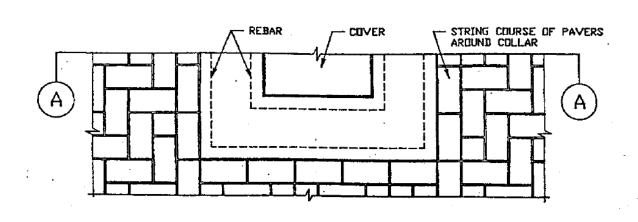
DATE

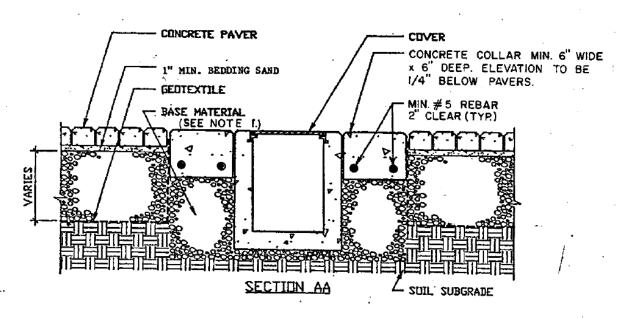
STANDARD
PAVING DETAILS
TYPES OF JOINTS FOR
CONCRETE PAVEMENTS

REVISED	
	p
	$\frac{1}{16}$





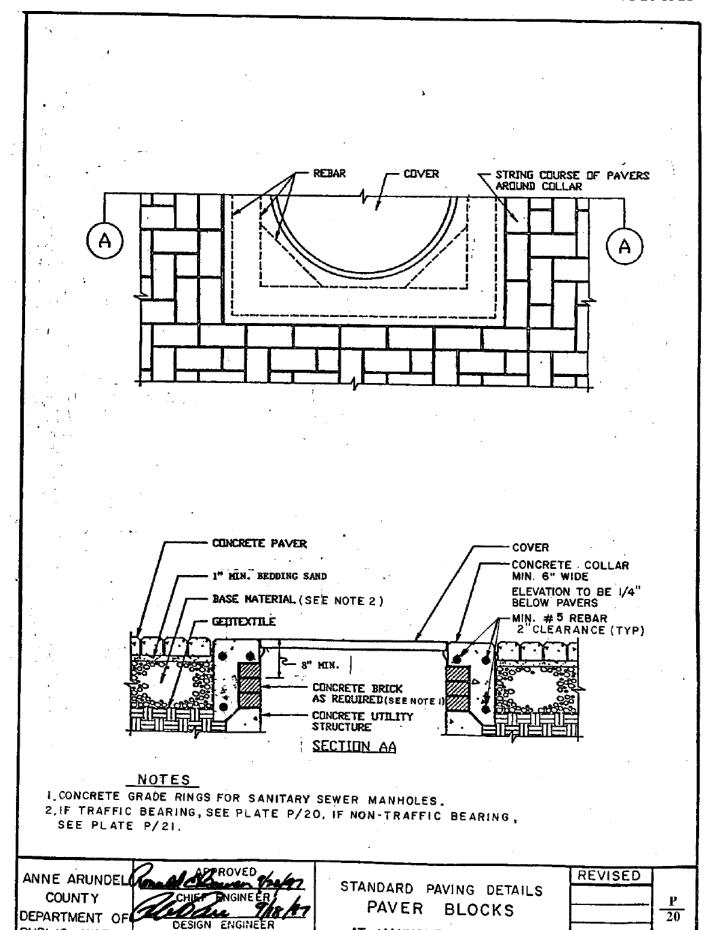




NOTES

I. IF TRAFFIC BEARING, SEE PLATE P/20
IF NON-TRAFFIC BEARING, SEE PLATE P/21

ANNE ARUNDEL APPROVED COUNTY CHIEF ENGINEER	STANDARD PAVING DETAILS	REVISED	p
DEPARTMENT OF DESIGN ENGINEER PUBLIC WORKS DATE	PAVER BLOCKS AT VALVE BOXES, METERS & SIMILAR STRUCTURES		19



AT MANHOLES & INLETS

Published: 01/01 Revised:

DATE

PUBLIC - WORKS

