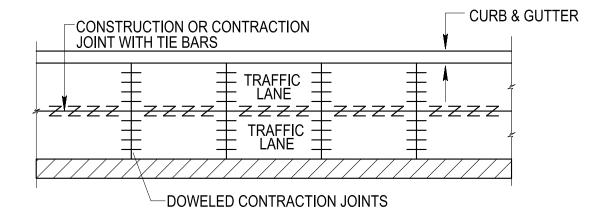


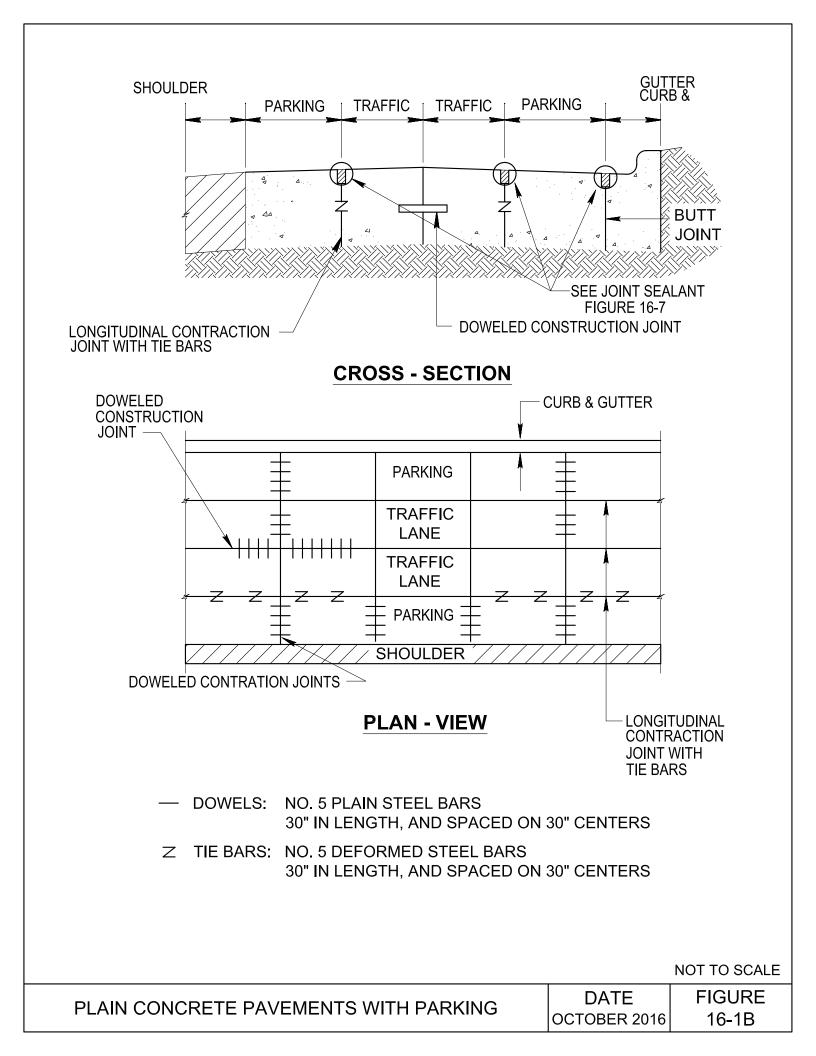
**CROSS - SECTION** 

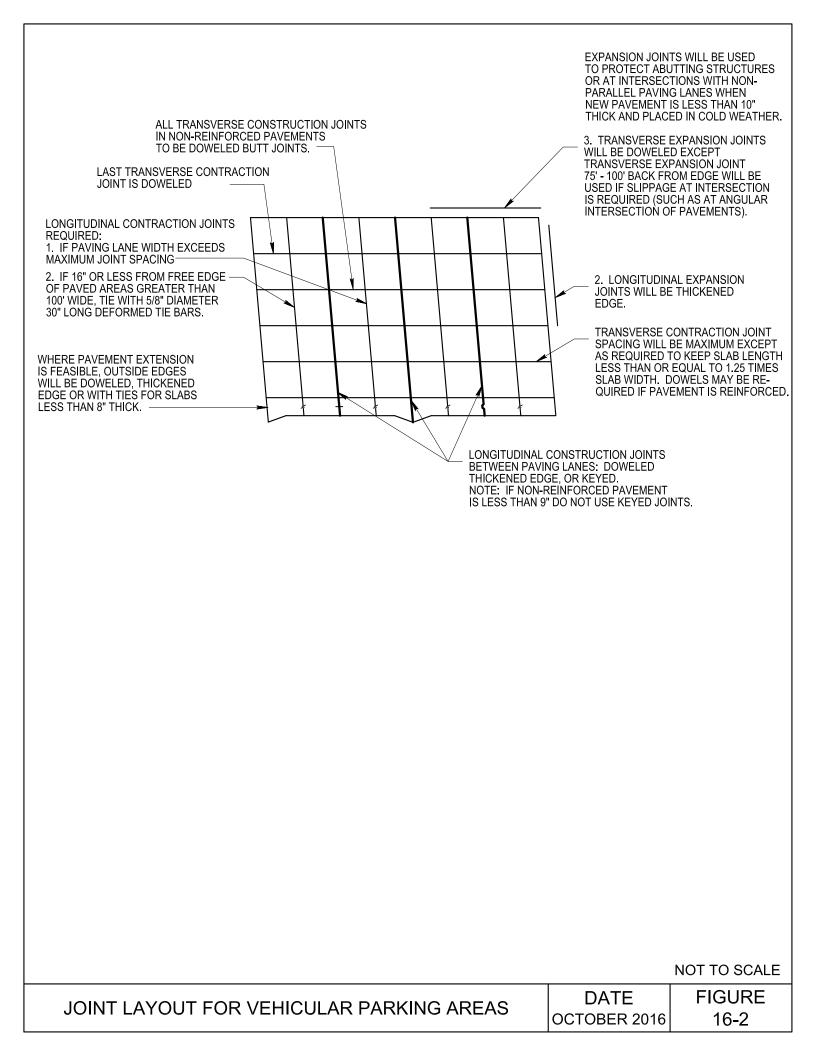


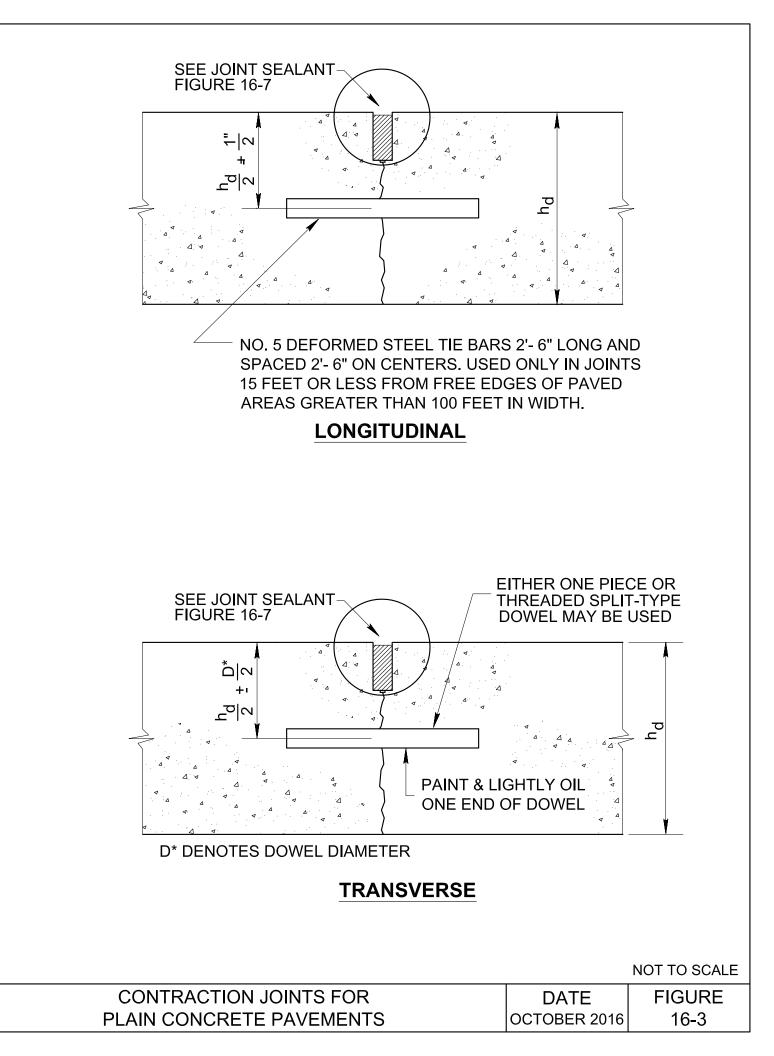
## PLAN - VIEW

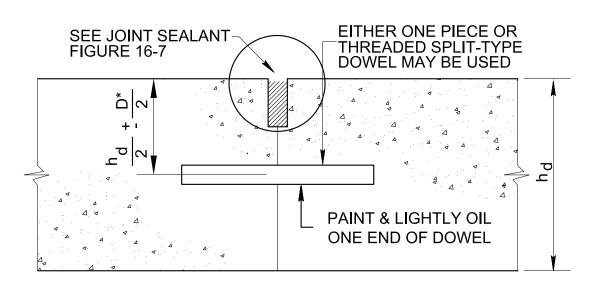
- DOWELS: NO. 5 PLAIN STEEL BARS
  30" IN LENGTH, AND SPACED ON 30" CENTERS
- TIE BARS: NO. 5 DEFORMED STEEL BARS 30" IN LENGTH, AND SPACED ON 30" CENTERS

		NOT TO SCALE
PLAIN CONCRETE PAVEMENTS	DATE OCTOBER 2016	FIGURE 16-1A



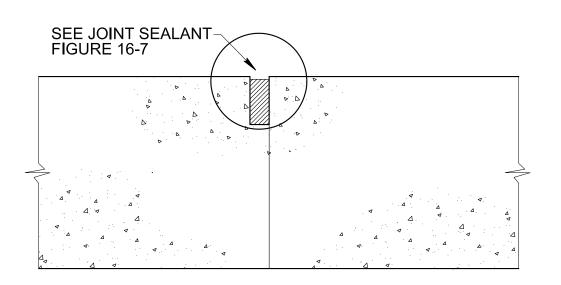






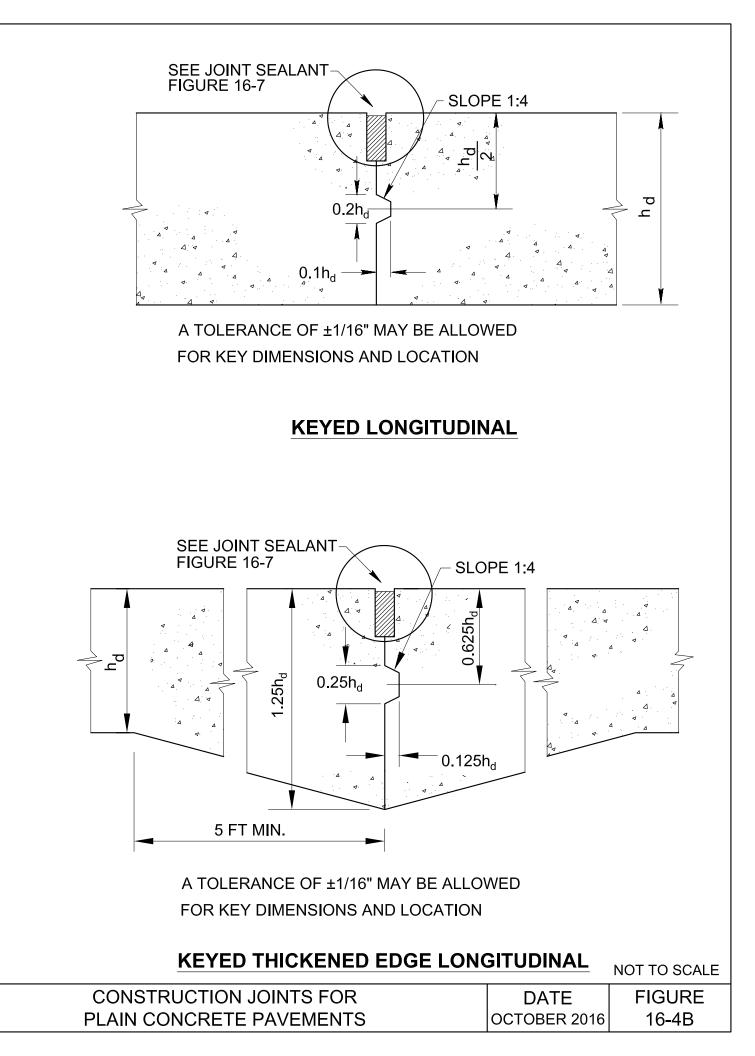
**D\* DENOTES DOWEL DIAMETER** 

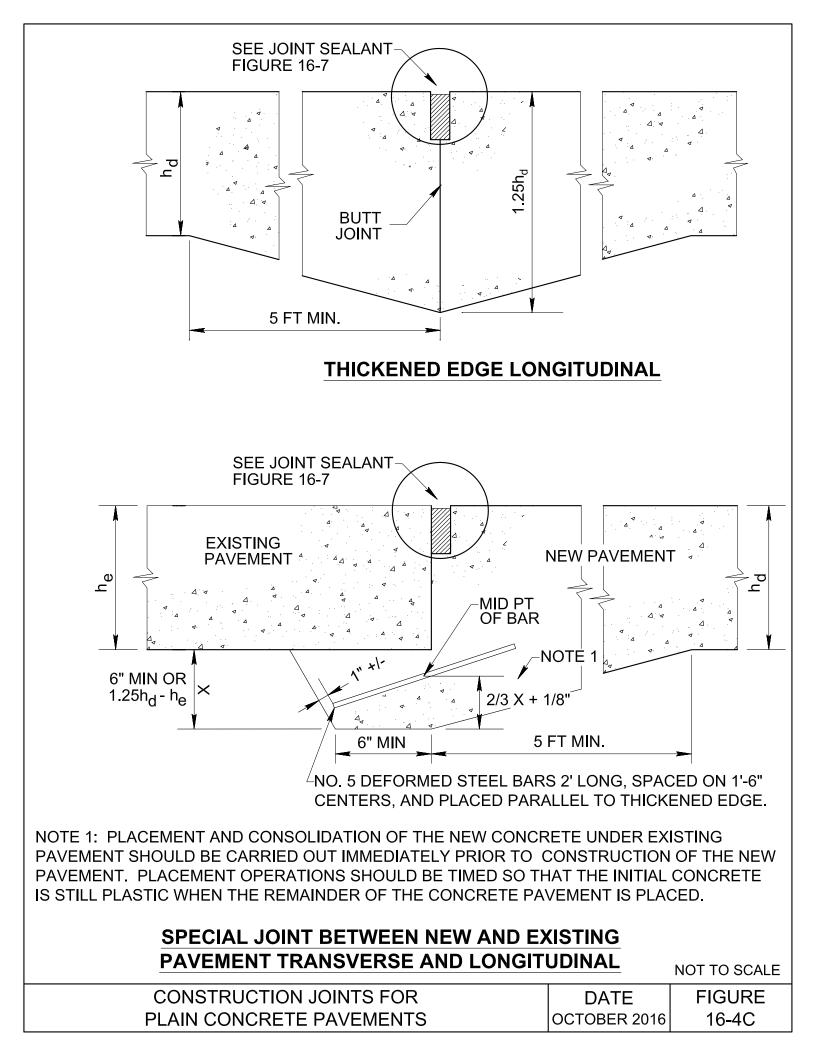
## **DOWELED TRANSVERSE OR LONGITUDINAL**

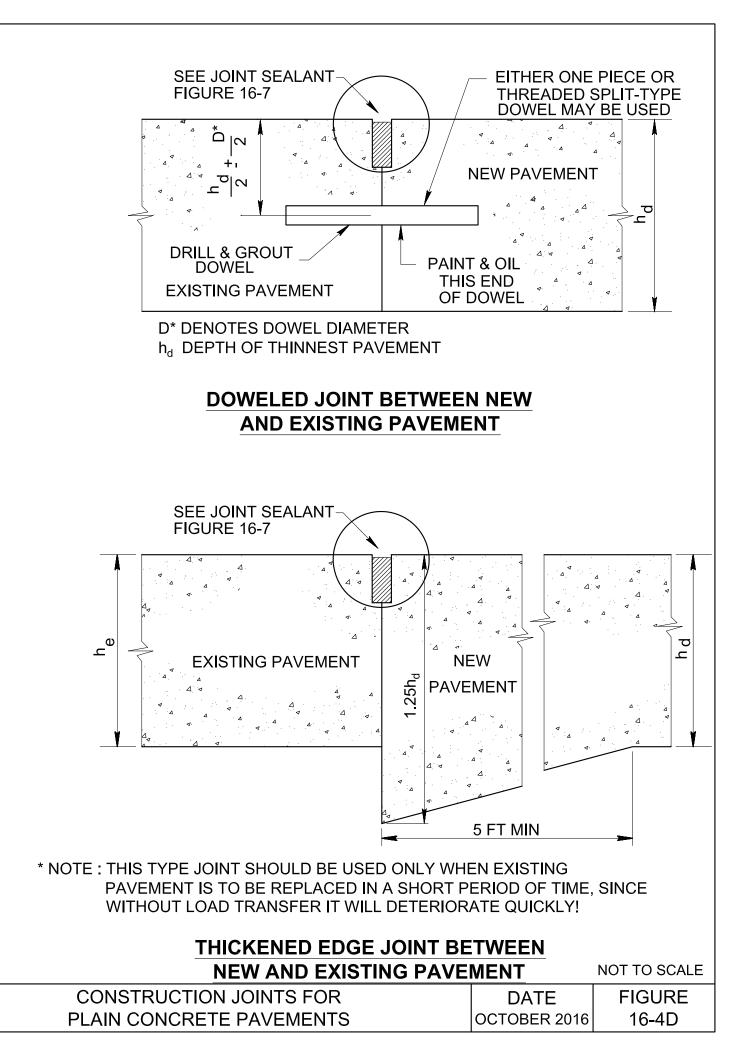


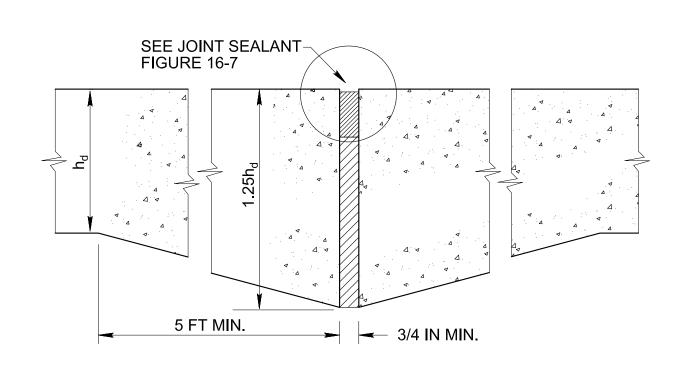
## **BUTT JOINT**

CONSTRUCTION JOINTS FOR	DATE	FIGURE
PLAIN CONCRETE PAVEMENTS	OCTOBER 2016	16-4A



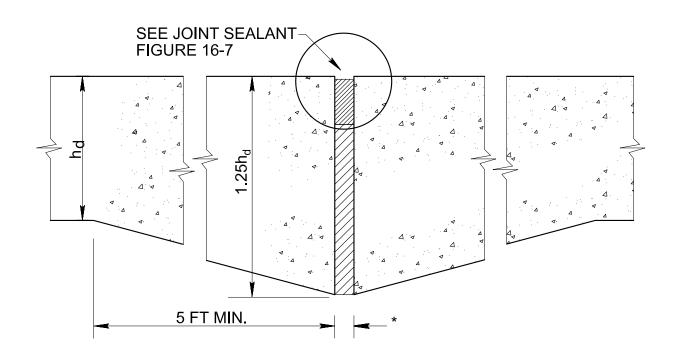






LONGITUDINAL

EXPANSION JOINTS FOR	DATE	FIGURE
PLAIN CONCRETE PAVEMENTS	OCTOBER 2016	16-5

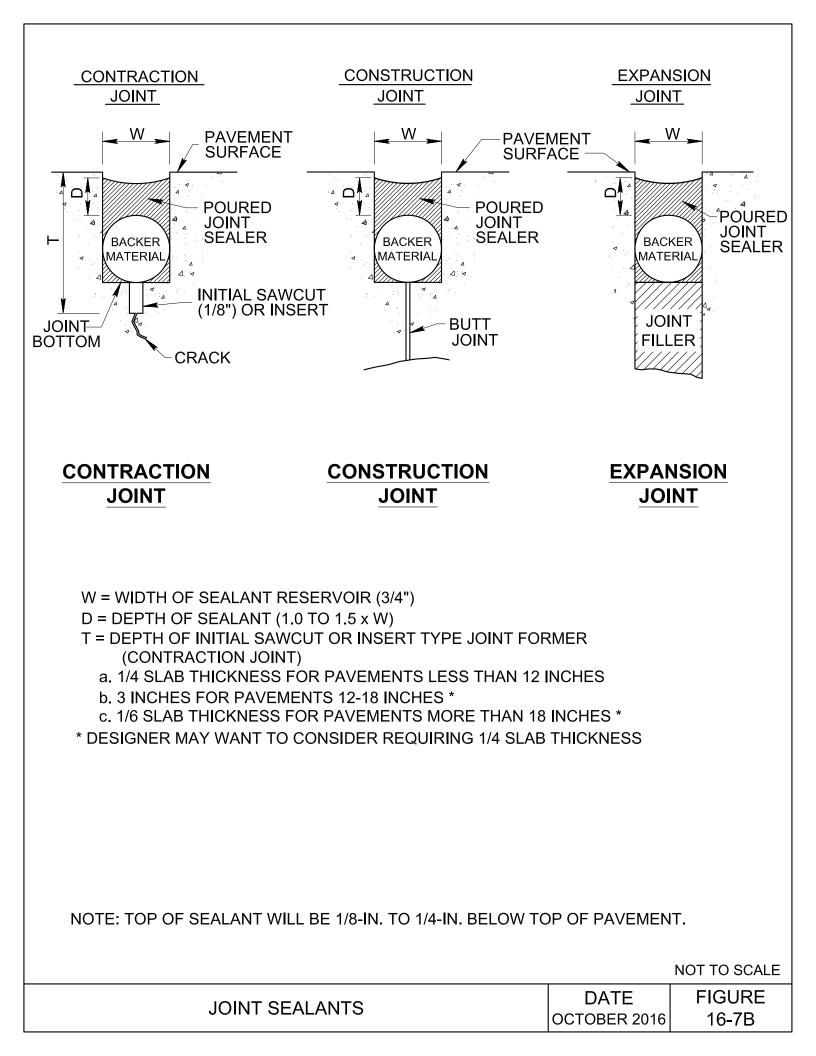


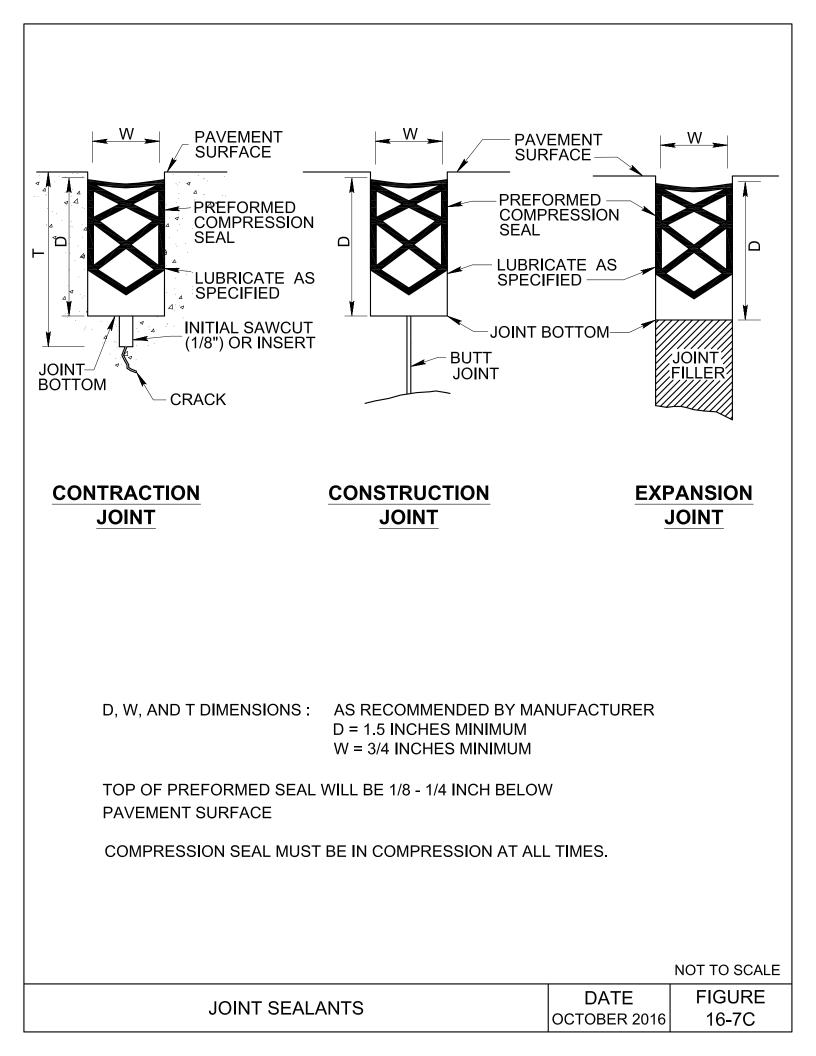
THE BOND-BREAKING MEDIUM WILL BE EITHER A HEAVY COATING OF BITUMINOUS MATERIAL NOT LESS THAN 1/16 INCH IN THICKNESS WHEN JOINTS MATCH OR A NORMAL NONEXTRUDING-TYPE EXPANSION JOINT MATERIAL NOT LESS THAN 1/4-INCH IN THICKNESS WHEN JOINTS DO NOT MATCH.

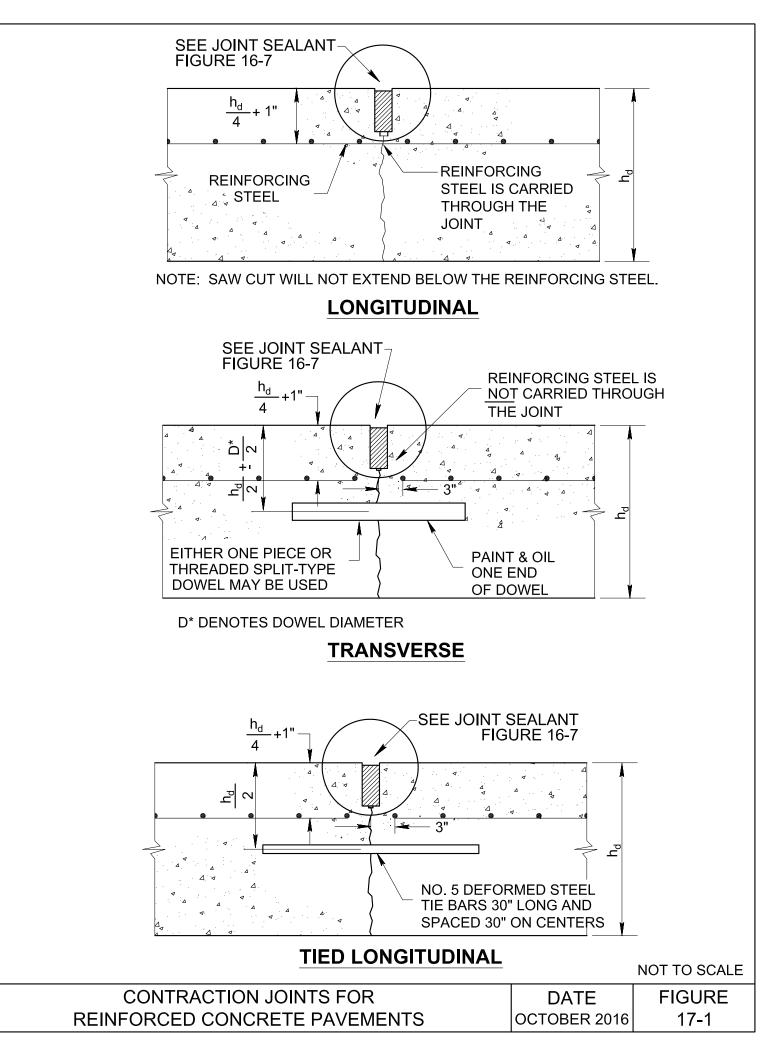
		NOT TO SCALE
THICKENED EDGE SLIP JOINT	DATE OCTOBER 2016	FIGURE 16-6

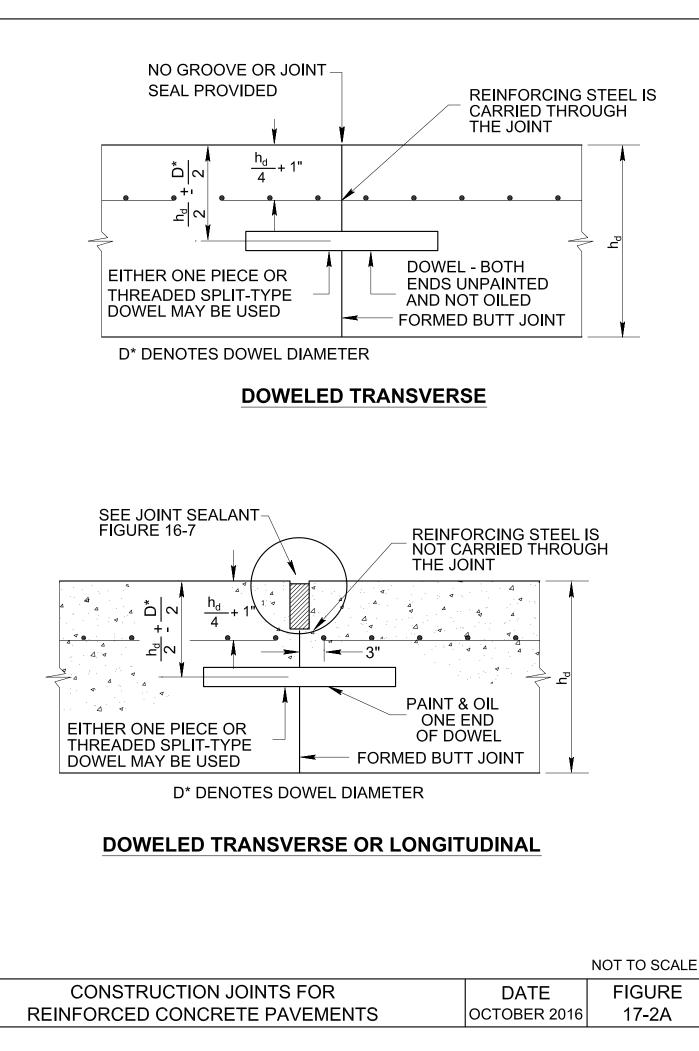
W PAVEMENT SURFACE POURED JOINT SEALER SEPARATING TAPE JOINT BOTTOM INITIAL SAWCUT (1/8") OR INSERT CRACK JOINT BOTTOM	W PAVEM SURFA POURE JOINT S SEPARA TAP JOINT BOT	CE D SEALER	V POURED JOINT SEALER
CONTRACTION JOINT	CONSTRUCTION JOINT		NSION INT
W = WIDTH OF SEALANT RESERVOIR (3/4") D = DEPTH OF SEALANT (1.0 TO 1.5 x W) T = DEPTH OF INITIAL SAWCUT OR INSERT TYPE JOINT FORMER (CONTRACTION JOINT) a. 1/4 SLAB THICKNESS FOR PAVEMENTS LESS THAN 12 INCHES b. 3 INCHES FOR PAVEMENTS 12-18 INCHES * c. 1/6 SLAB THICKNESS FOR PAVEMENTS MORE THAN 18 INCHES * * DESIGNER MAY WANT TO CONSIDER REQUIRING 1/4 SLAB THICKNESS			
NOTE: TOP OF SEALANT WILL BE 1/8-IN. TO 1/4-IN. BELOW TOP OF PAVEMENT. NOT TO SCALE			
JOINT SEALA	NTS	DATE OCTOBER 2016	FIGURE 16-7A

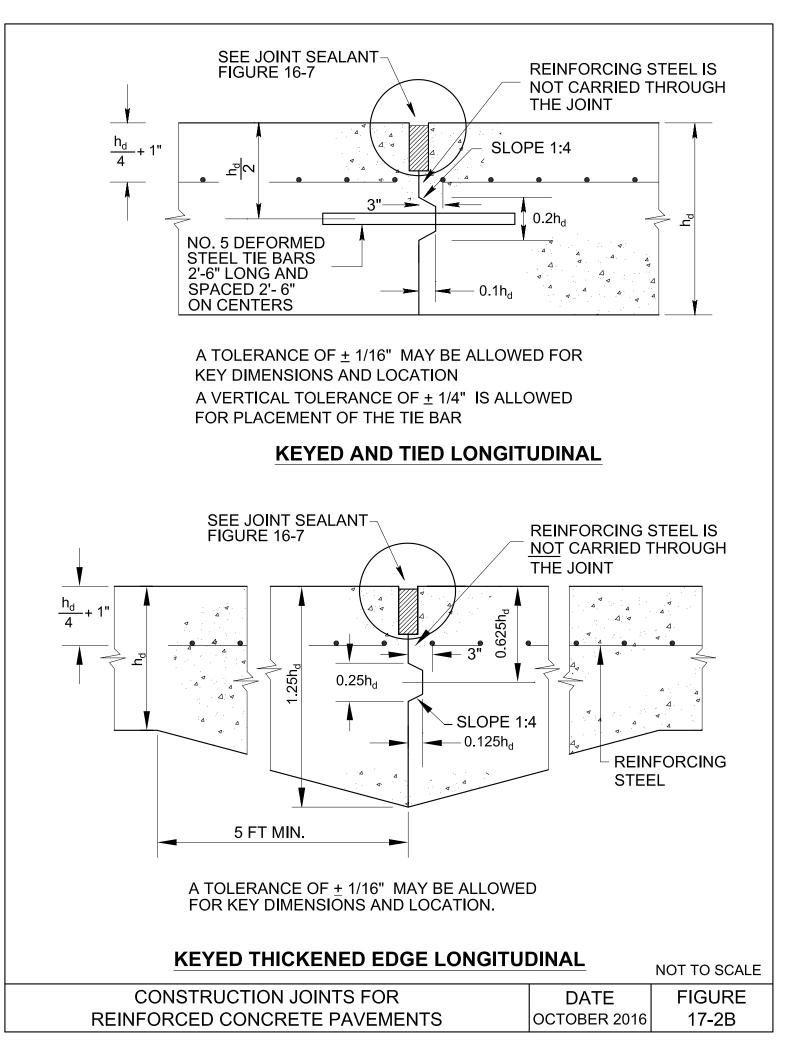
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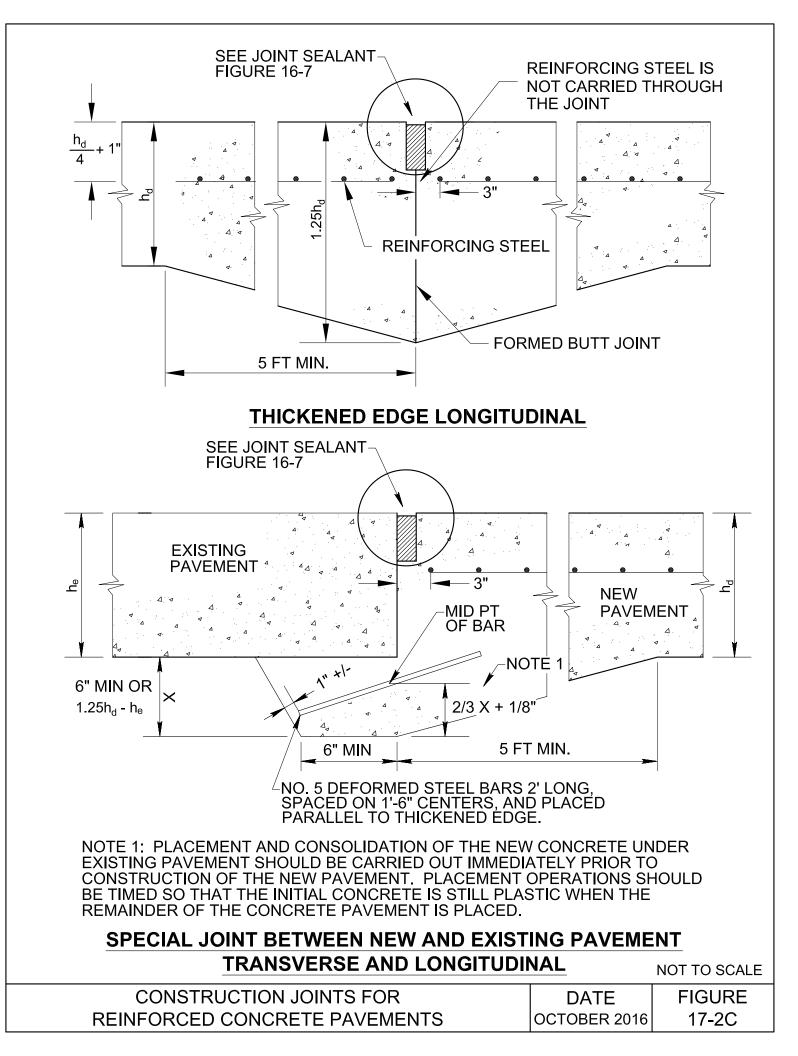


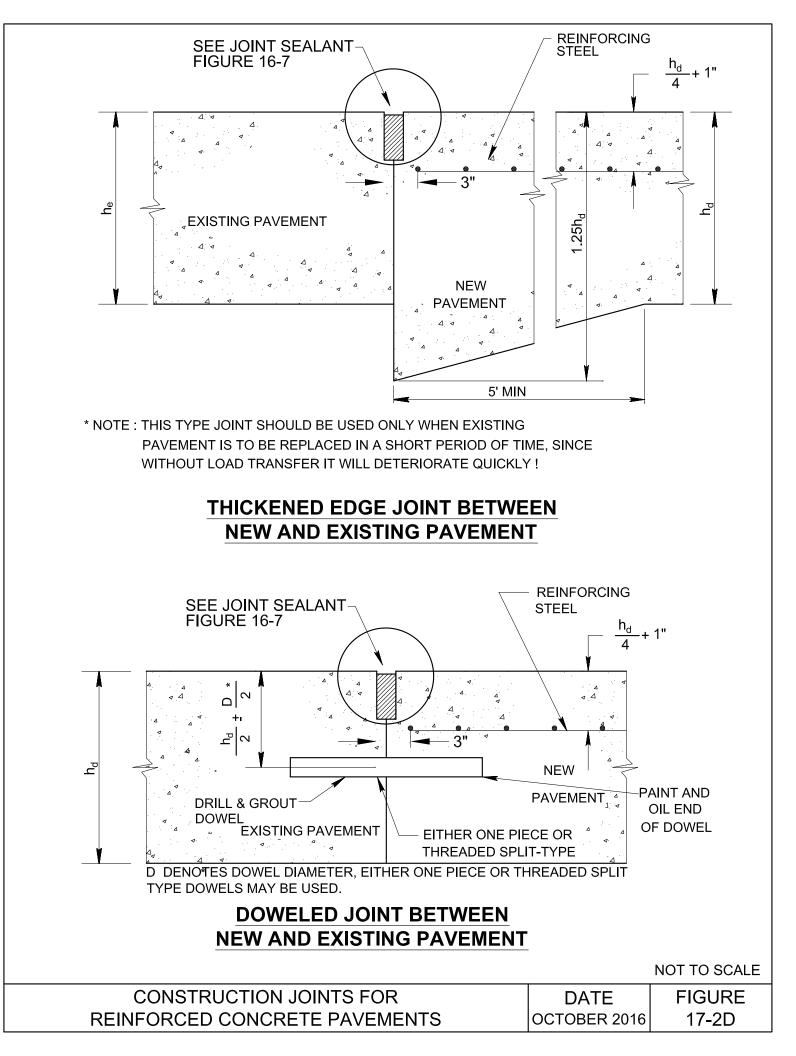


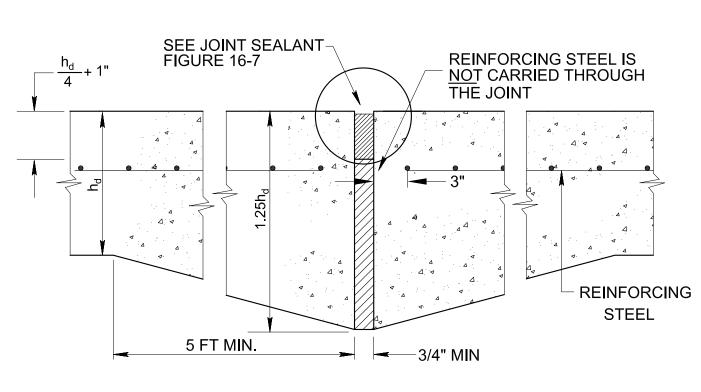






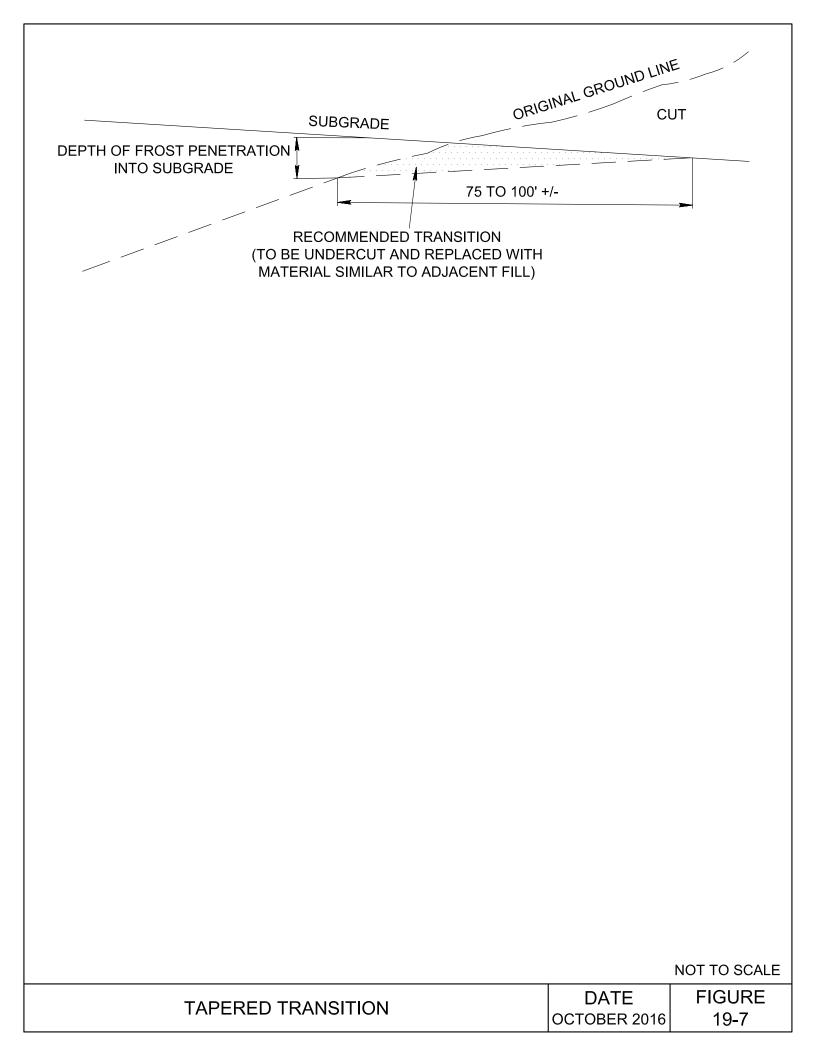


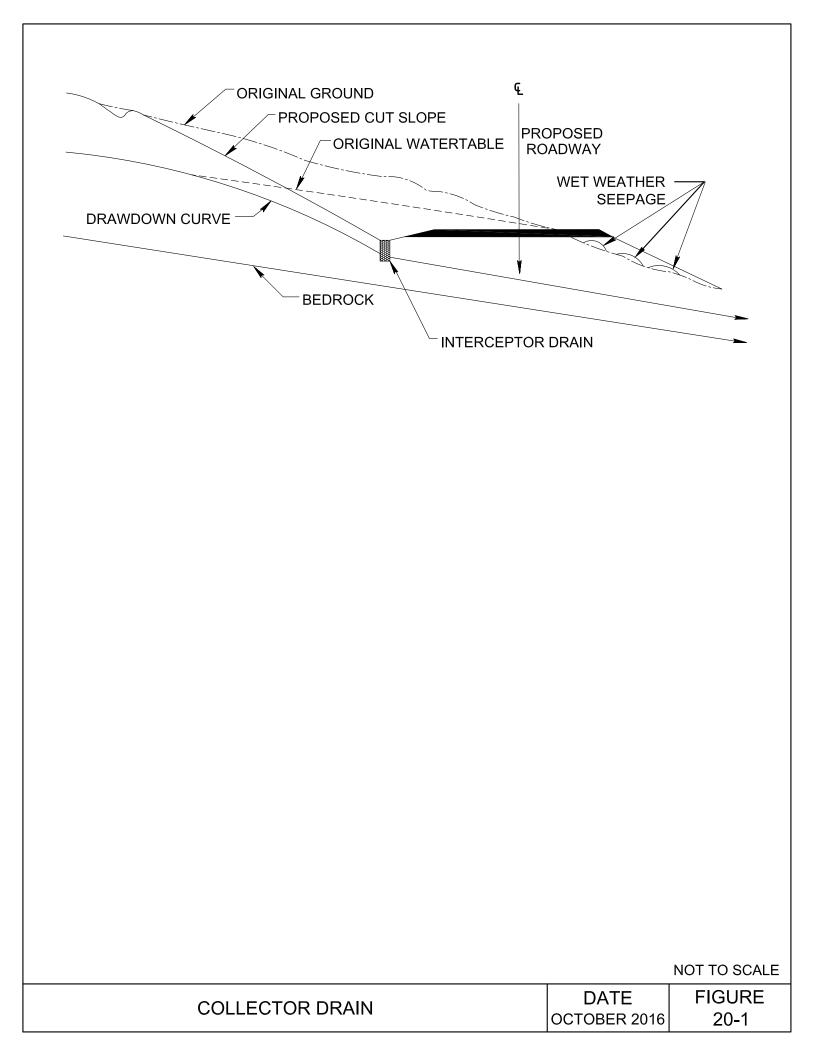


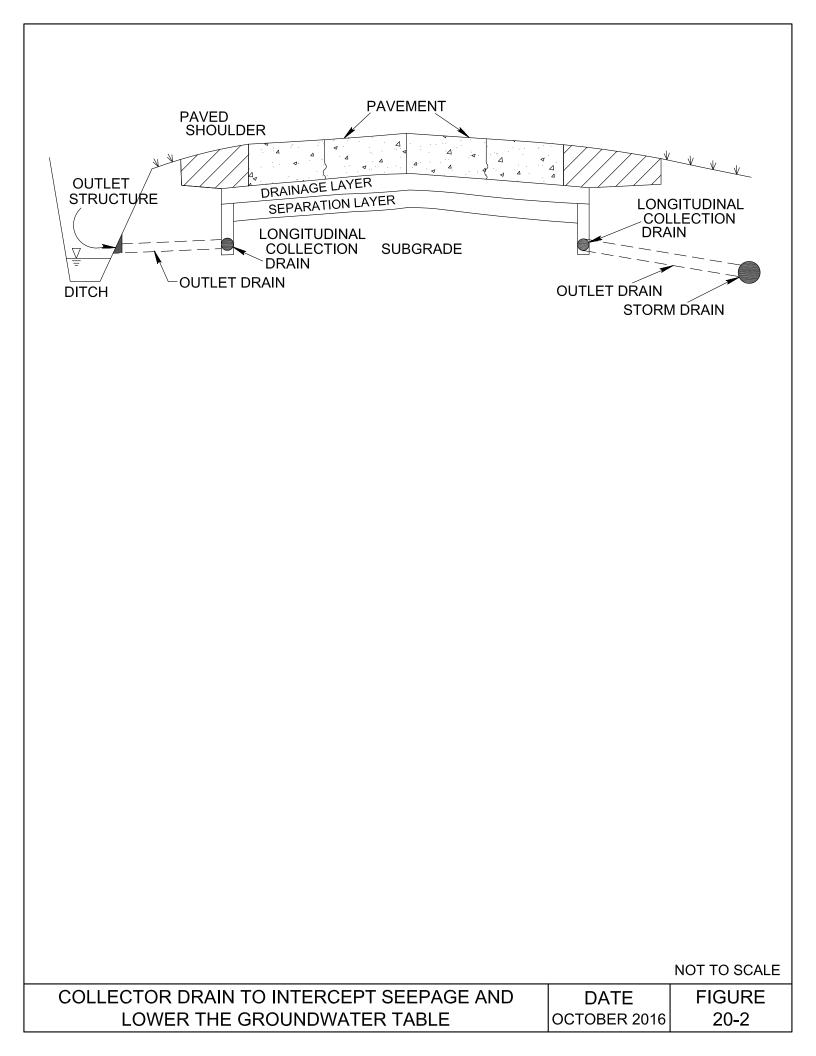


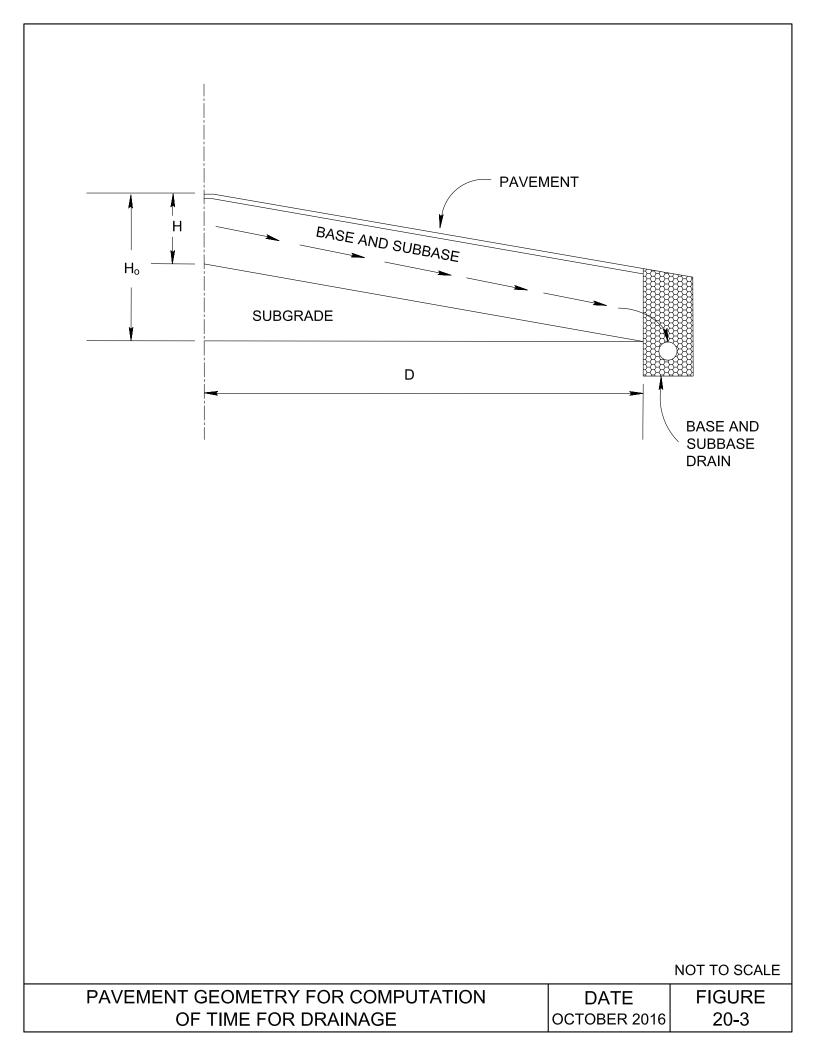
**LONGITUDINAL** 

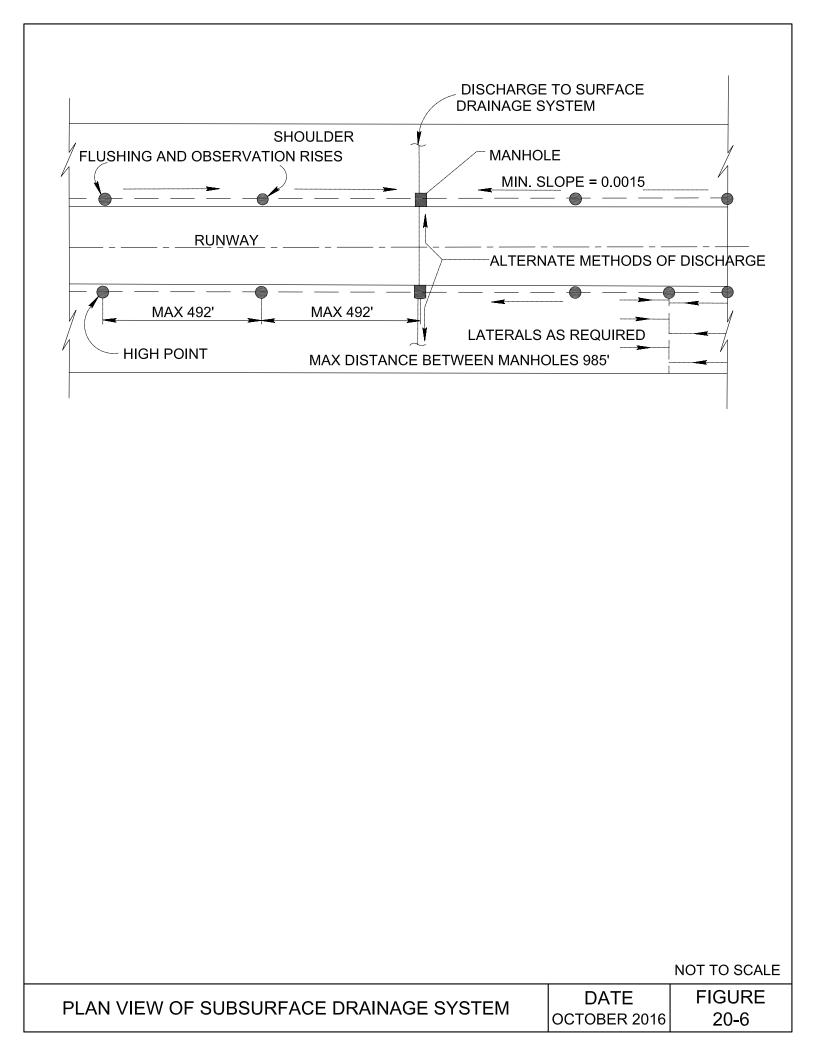
EXPANSION JOINTS FORDATEFIGUREREINFORCED CONCRETE PAVEMENTSOCTOBER 201617-3

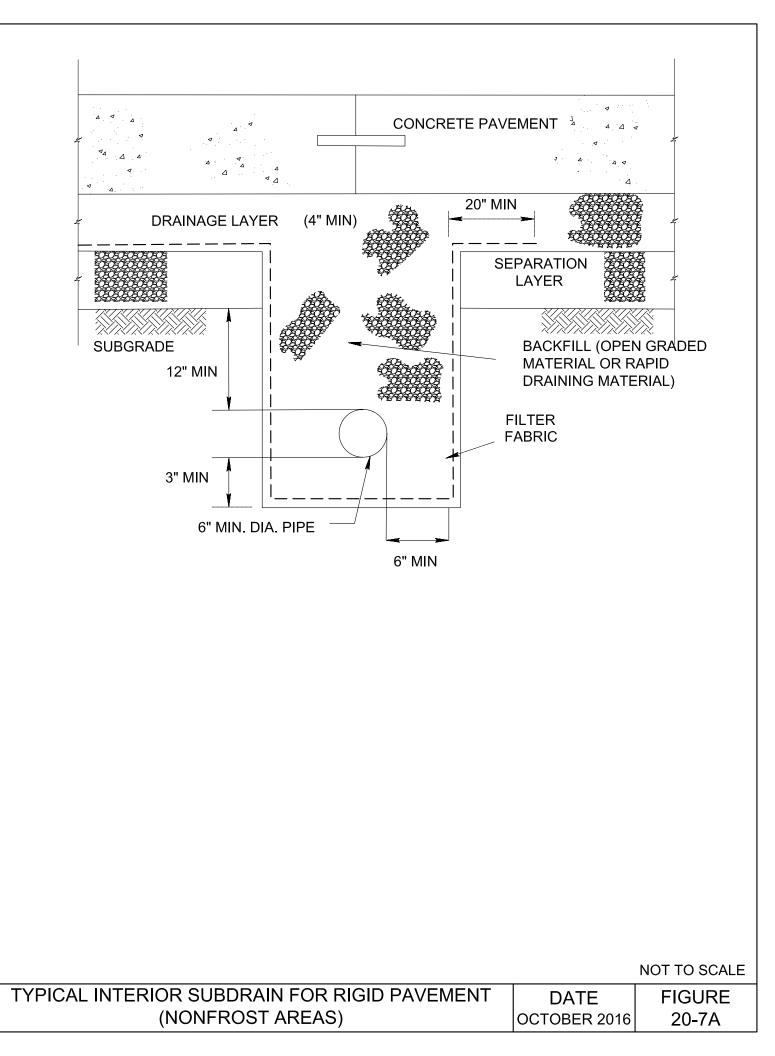


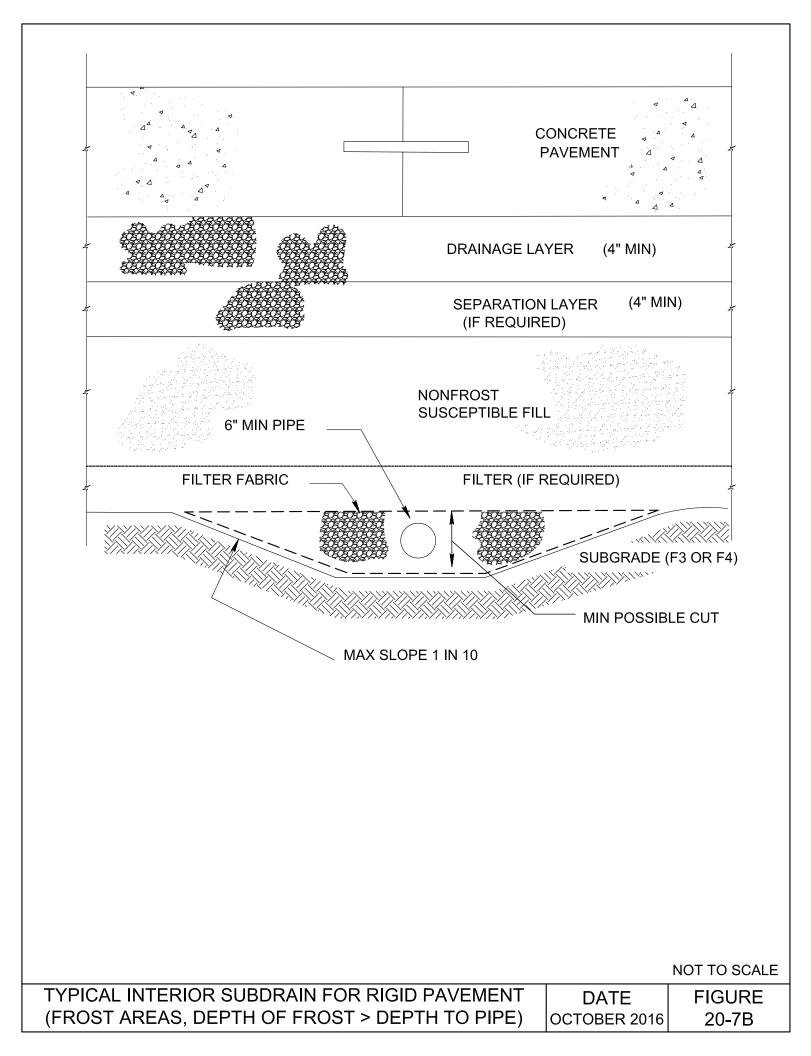


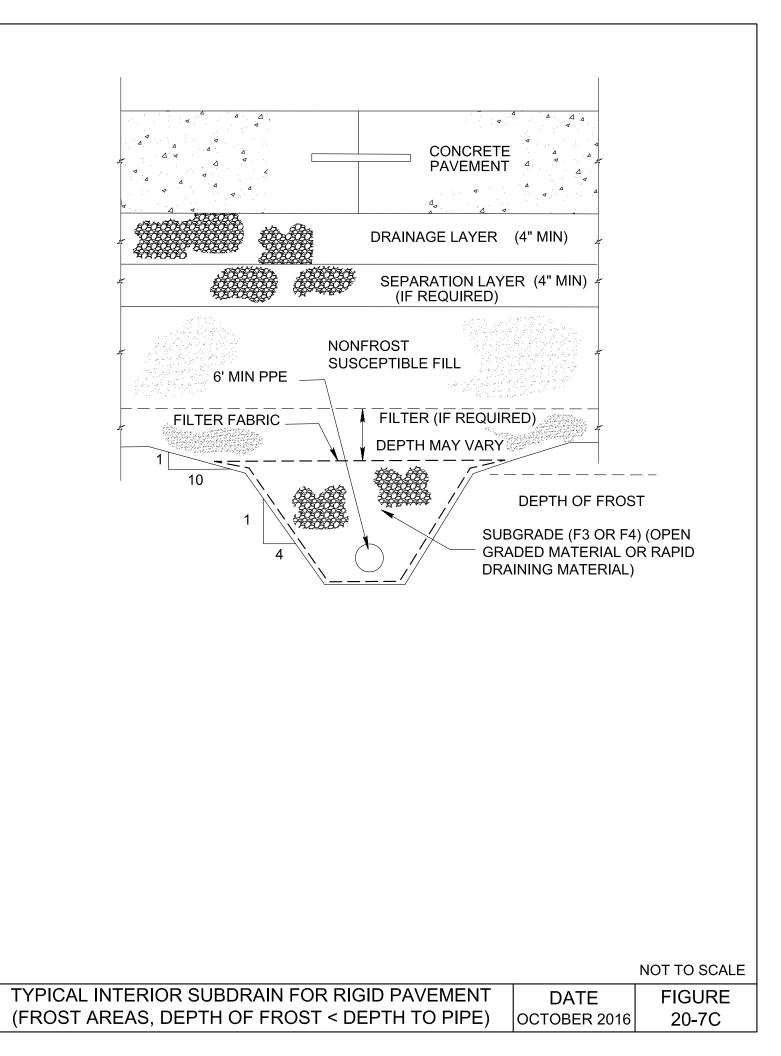


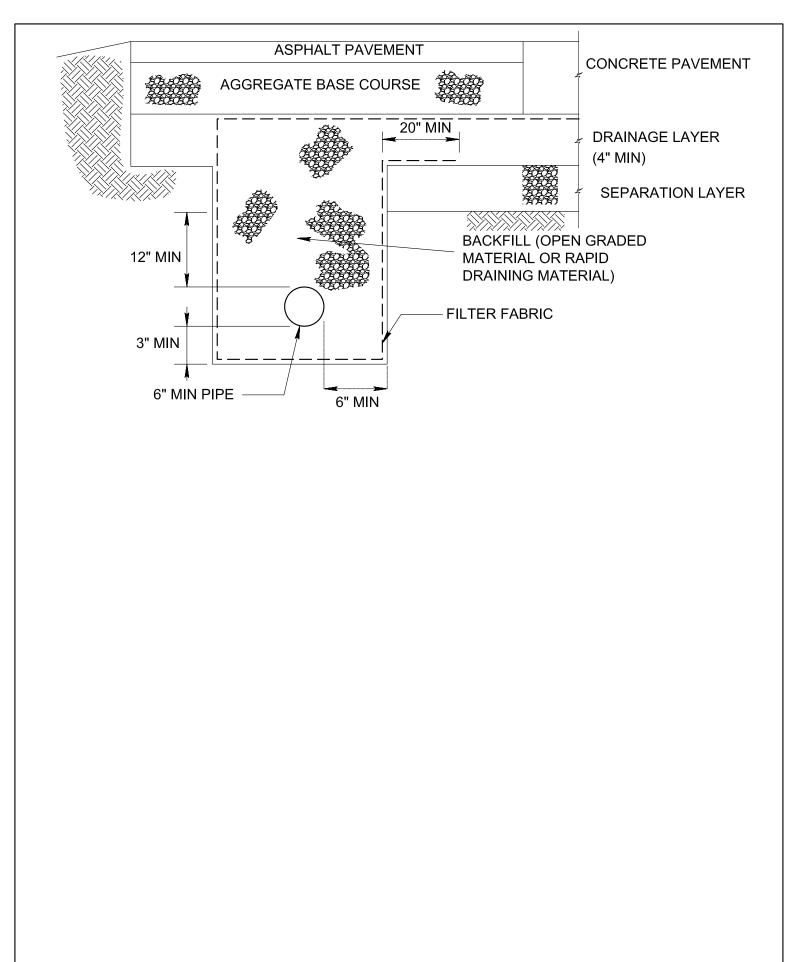












TYPICAL EDGE SUBDRAIN FOR RIGID PAVEMENT WITH	DATE	FIGURE
SHOULDER (NONFROST AREAS)	OCTOBER 2016	20-8A

