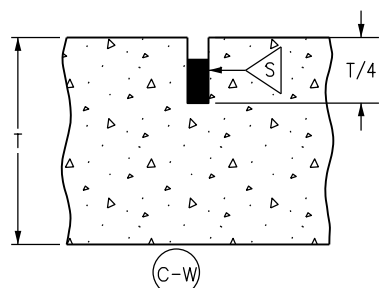
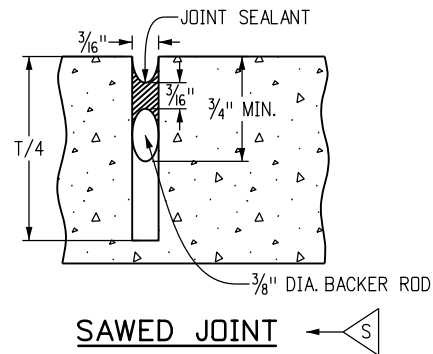


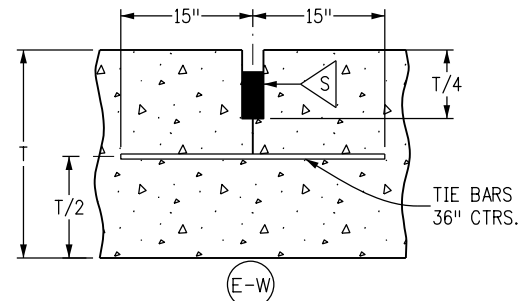
**JOINT LAYOUT DETAIL**



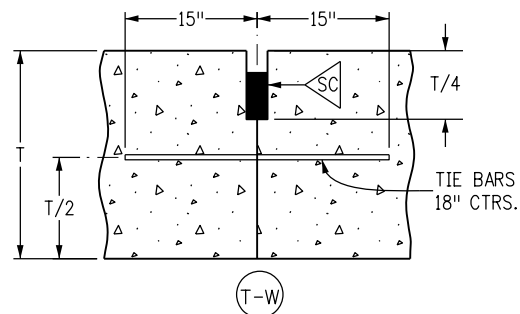
**TRANSVERSE CONTRACTION JOINT**  
(TRANSVERSE WEAKENED PLANE JOINT)



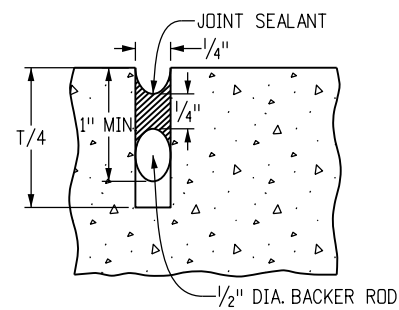
**SAWED JOINT**



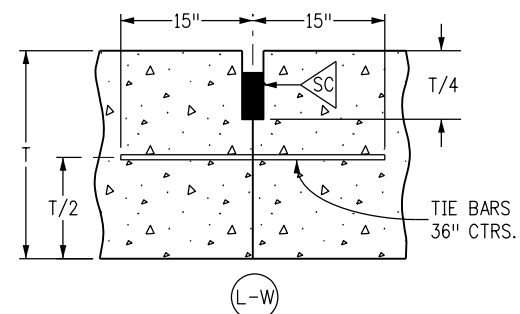
**LONGITUDINAL CONTRACTION JOINT**  
(LONGITUDINAL WEAKENED PLANE JOINT)



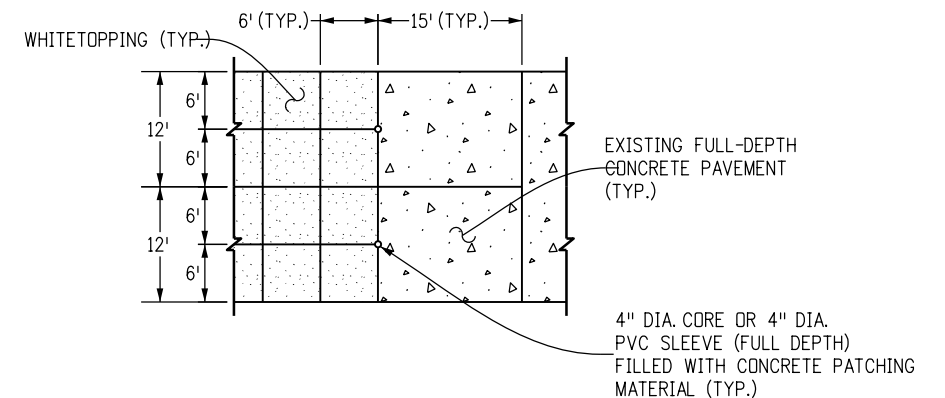
**TRANSVERSE CONSTRUCTION JOINT**



**SEAL AT CONSTRUCTION JOINT**



**LONGITUDINAL CONSTRUCTION JOINT**



**PVC CRACK MITIGATION PLAN DETAIL FOR PAVEMENT TRANSITION JOINTS**

**GENERAL NOTES**

- PAVEMENT THICKNESS, T, SHALL BE SHOWN ON THE PLANS.
- TIE BAR SIZE SHALL BE NO. 4 AND SHALL BE EPOXY COATED.
- THIS JOINT LAYOUT IS INTENDED TO BE USED AS A TYPICAL PLAN FOR THE JOINT LAYOUT FOR THE PROJECT. IF THE CONTRACTOR PROPOSES VARIATIONS FROM THIS TYPICAL PLAN OR THE PROJECT HAS UNUSUAL OR IRREGULAR CONDITIONS NOT COVERED HEREIN, THE CONTRACTOR SHALL PREPARE A PAVEMENT JOINT LAYOUT FOR APPROVAL BY THE ENGINEER.
- TIED LONGITUDINAL CONSTRUCTION JOINTS (L-W) ARE ALLOWED TO FACILITATE PHASING. PROJECT SPECIFIC LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER.
- LONGITUDINAL JOINTS SHALL COINCIDE WITH LANE MARKINGS WHEN POSSIBLE.
- CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE CENTERLINE OF PAVEMENT AND EXTEND THROUGH THE CURB OR CURB AND GUTTER.
- JOINTS SHALL NOT BE SAWED MORE THAN 6 FT. APART IN ANY DIRECTION UNLESS APPROVED BY THE ENGINEER.
- ALL JOINTS SHALL BE SINGLE CUT AND SEALED WITH AN APPROVED JOINT SEALER.
- THE CONTRACTOR SHALL, UNLESS OTHERWISE SHOWN ON THE PLANS, SELECT AND USE A BOND BREAKER AT INLETS, MANHOLES AND SIMILAR SIZE STRUCTURES. SMALLER STRUCTURES SUCH AS VALVE AND MONUMENT BOXES SHALL NOT REQUIRE A BOND BREAKER. SEE STANDARD PLAN M-412-1 FOR INLET AND MANHOLE JOINT DETAILS.

Computer File Information		Sheet Revisions		Colorado Department of Transportation		As Constructed	THIN WHITETOPPING TYPICAL JOINT LAYOUT		Project No./Code
Creation Date: 07/31/19		(R-X)	mm/dd/yy	XXXXXXX	XXXXXX	No Revisions: mm/dd/yy	Designer: XXXXXXXX		XXXXX/XXXX
Designer Initials: JBK		(R-X)	mm/dd/yy	XXXXXXX	XXXXXX				D-412-1
Last Modification Date: 07/31/19		(R-X)	mm/dd/yy	XXXXXXX	XXXXXX	Revised: mm/dd/yy	Detailer: XXXXXXXX		Sheet Number: 1 of 1
Detailer Initials: LTA		(R-X)	mm/dd/yy	XXXXXXX	XXXXXX				Project Sheet Number: XX
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English		(R-X)	mm/dd/yy	XXXXXXX	XXXXXX	Void: mm/dd/yy	Sheet Subset: XXXXXXXX		Subset Sheets: XXX of XXX