

DULDER	
ETE IOINTS	STANDARD PLAN NO.
	M-412-1
	Standard Sheet No. 2 of 9
Branch: July 31, 2019	Project Sheet Number:

RAMP AND SPEED CHANGE LANE DIMENSIONING FOR JOINTS ONLY. SEE PLANS FOR STRIPING LOCATIONS.

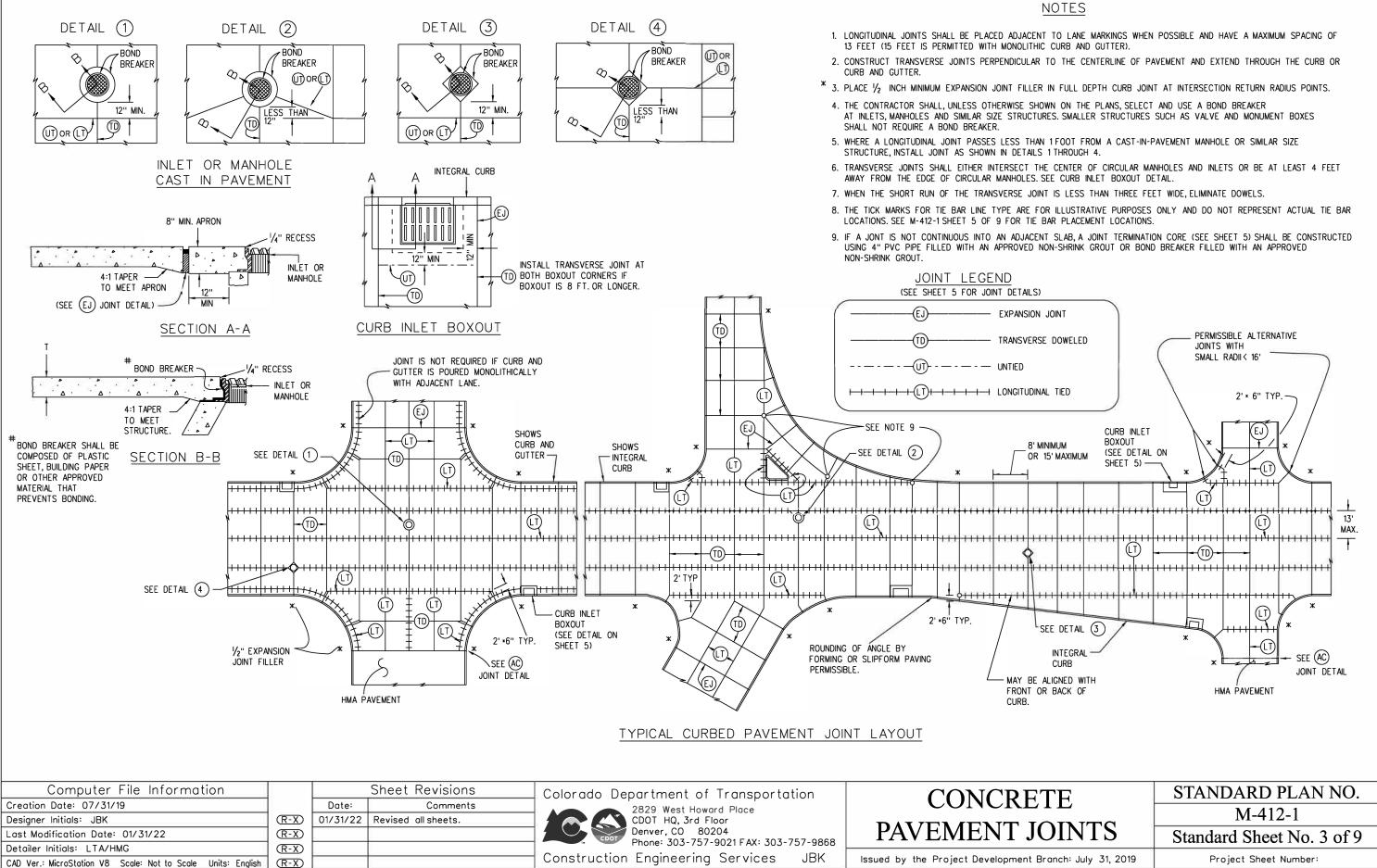
ALTERNATIVE DIMENSIONS (SEE SHEET 1, NOTE 3) SHOULDER

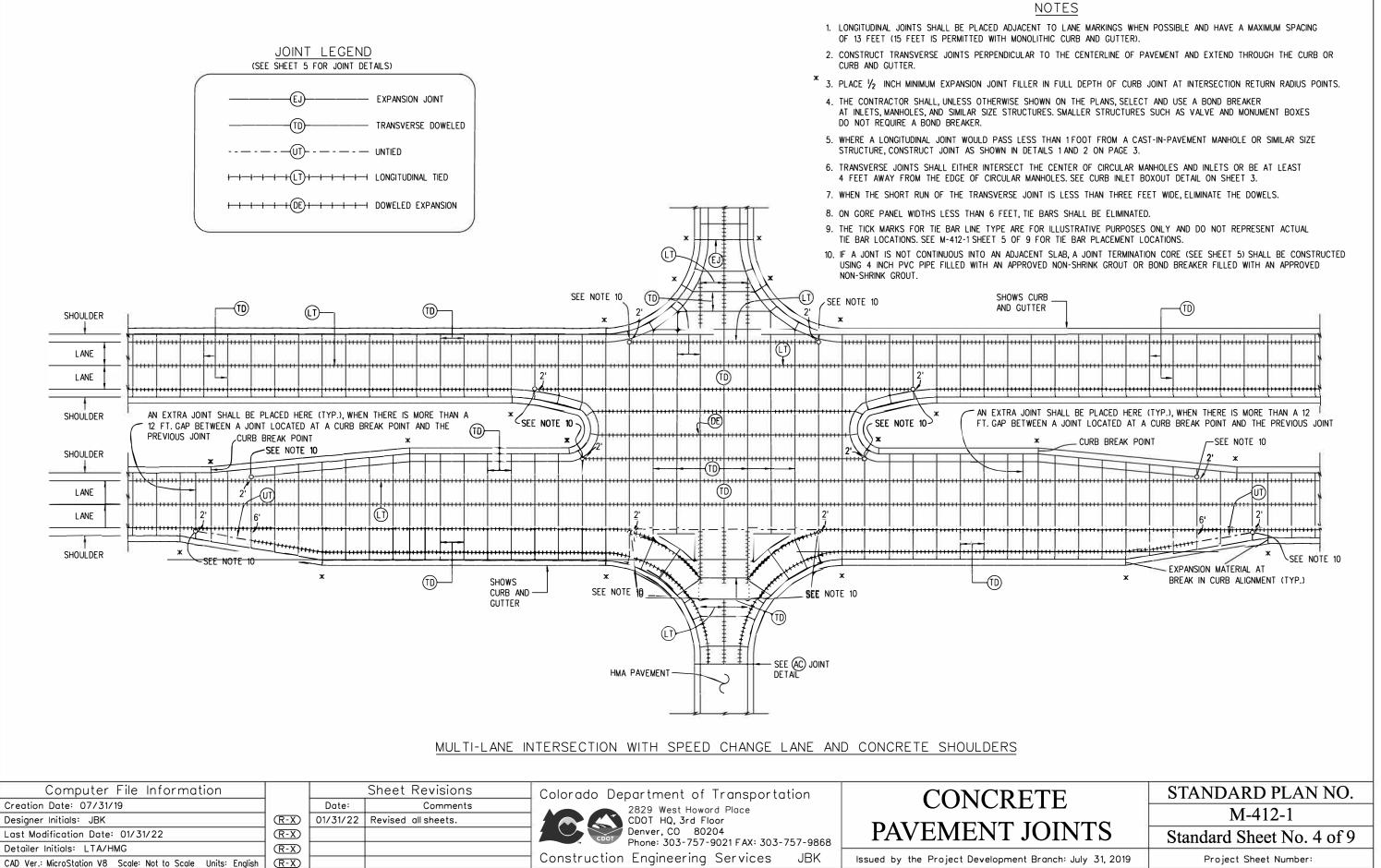
JOINTS ONLY. SEE PLANS FOR STRIPING LOCATIONS.

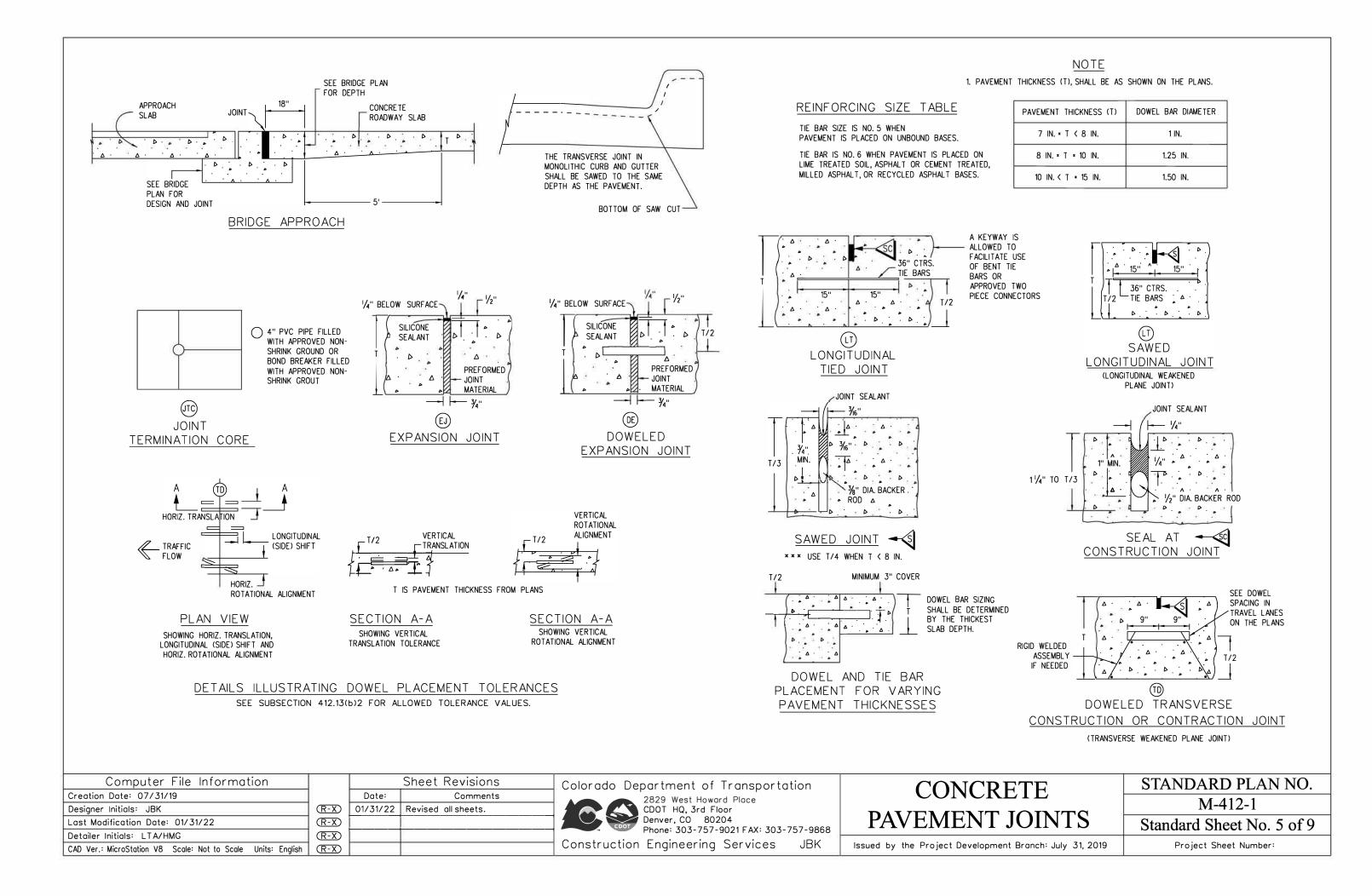
(TD) TRANSVERSE DOWELED -(UT) — UNTIED (LT) - LONGITUDINAL TIED

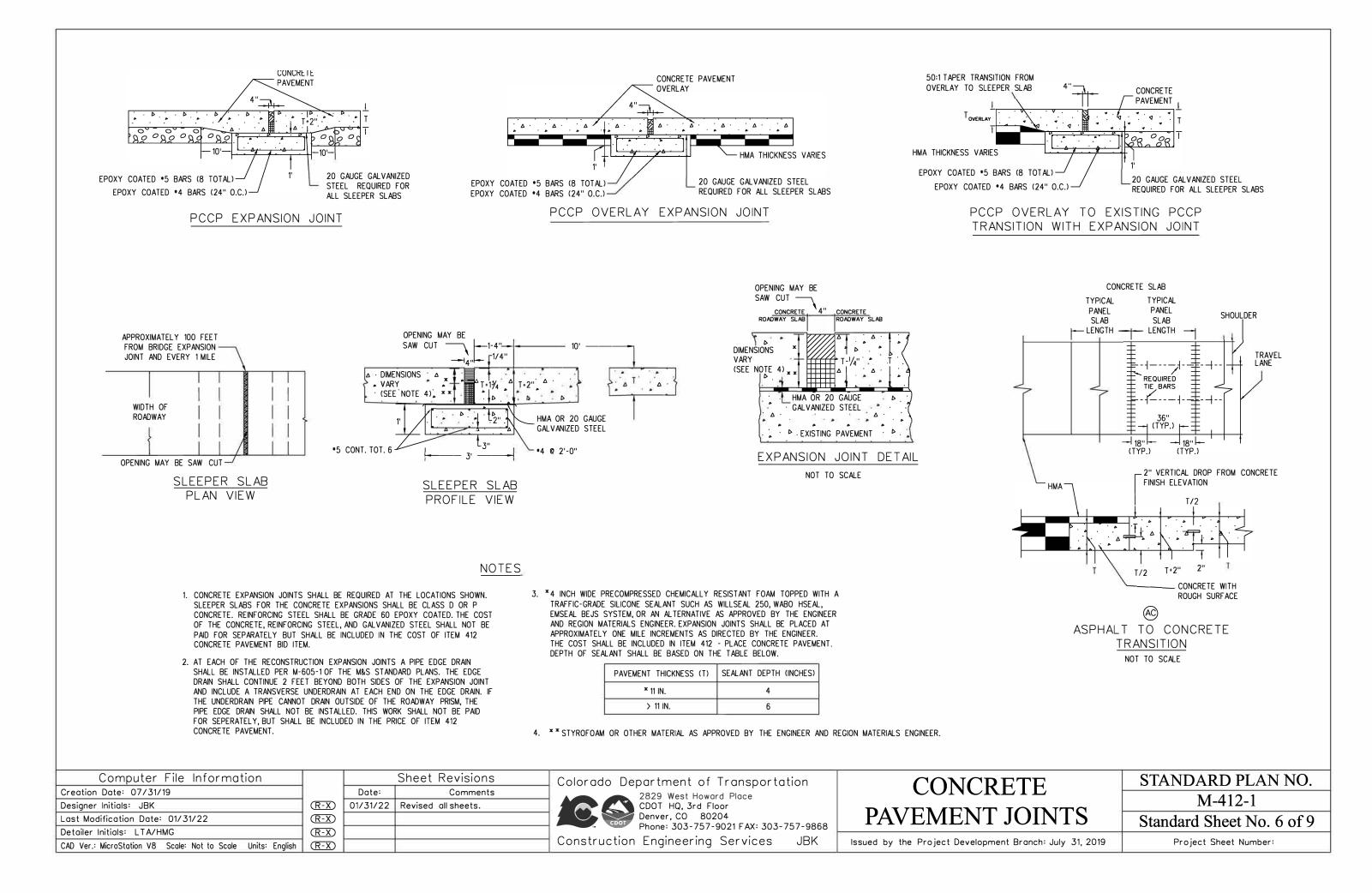
JOINT LEGEND

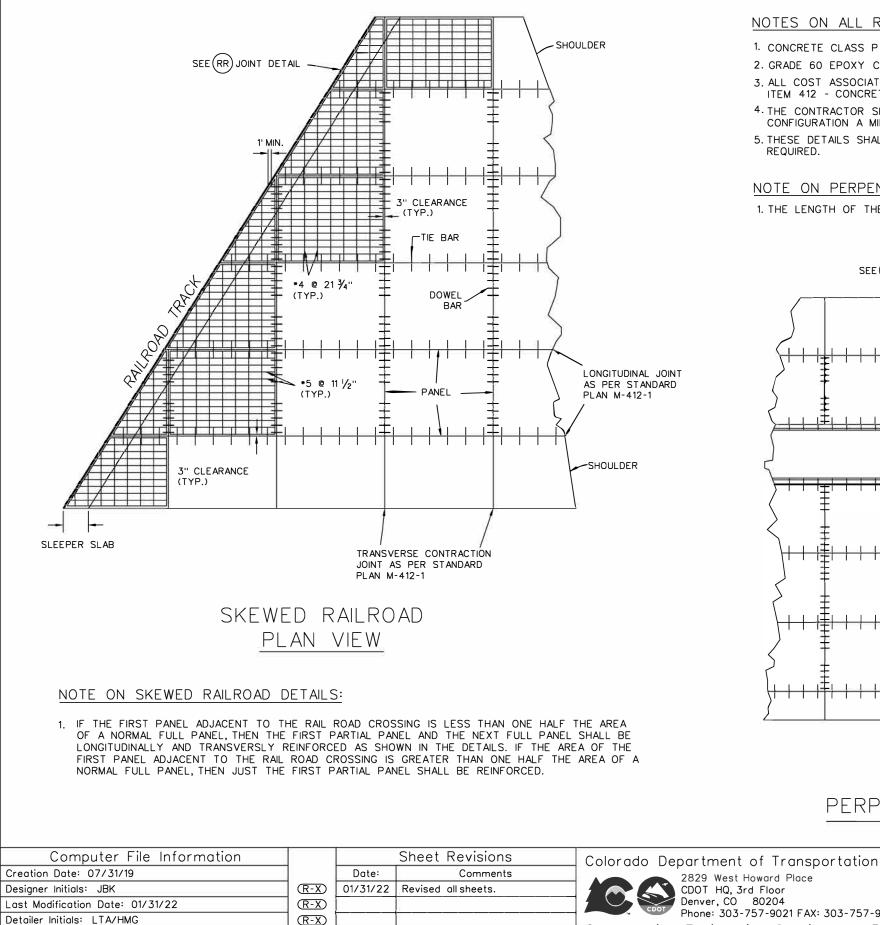
(SEE SHEET 5 FOR JOINT DETAILS)











(R-X)

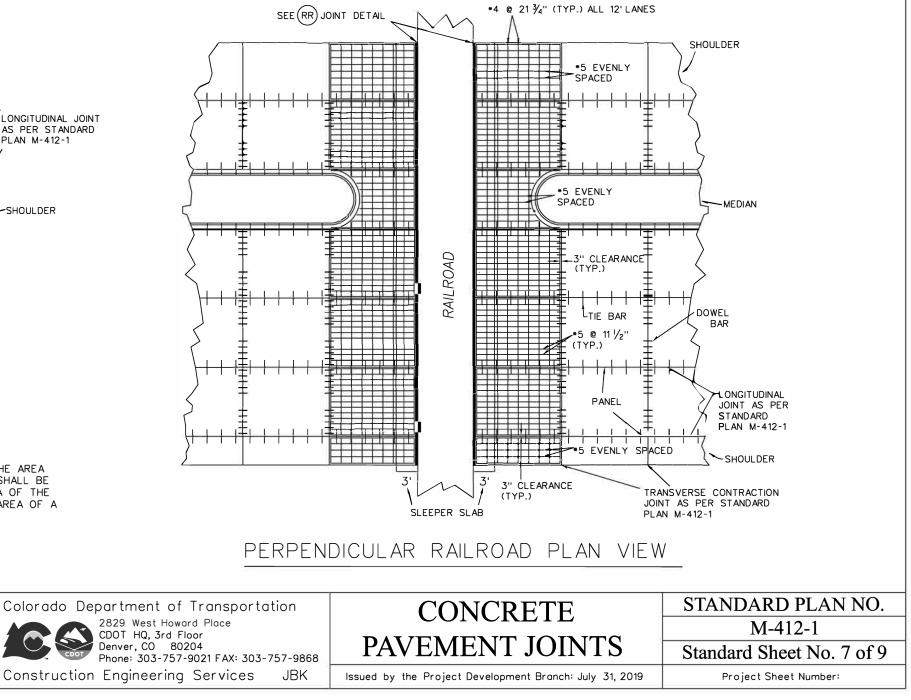
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English

NOTES ON ALL RAILROAD DETAILS:

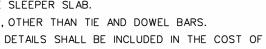
- 1. CONCRETE CLASS P OR CLASS D SHALL BE USED FOR THE SLEEPER SLAB.
- 2. GRADE 60 EPOXY COATED REINFORCING STEEL IS REQUIRED, OTHER THAN TIE AND DOWEL BARS.
- 3. ALL COST ASSOCIATED WITH THE REQUIREMENTS OF THESE DETAILS SHALL BE INCLUDED IN THE COST OF ITEM 412 - CONCRETE PAVEMENT (_ INCH).
- 4. THE CONTRACTOR SHALL PROVIDE, FOR APPROVAL, TO THE ENGINEER A DETAILED PLAN SHOWING THE JOINT CONFIGURATION A MINIMUM OF TWO WEEKS PRIOR TO THE START OF REINFORCING STEEL FABRICATION.
- 5. THESE DETAILS SHALL APPLY TO BOTH SIDES OF THE RAIL ROAD CROSSING, IF CONCRETE PAVEMENT IS REQUIRED.

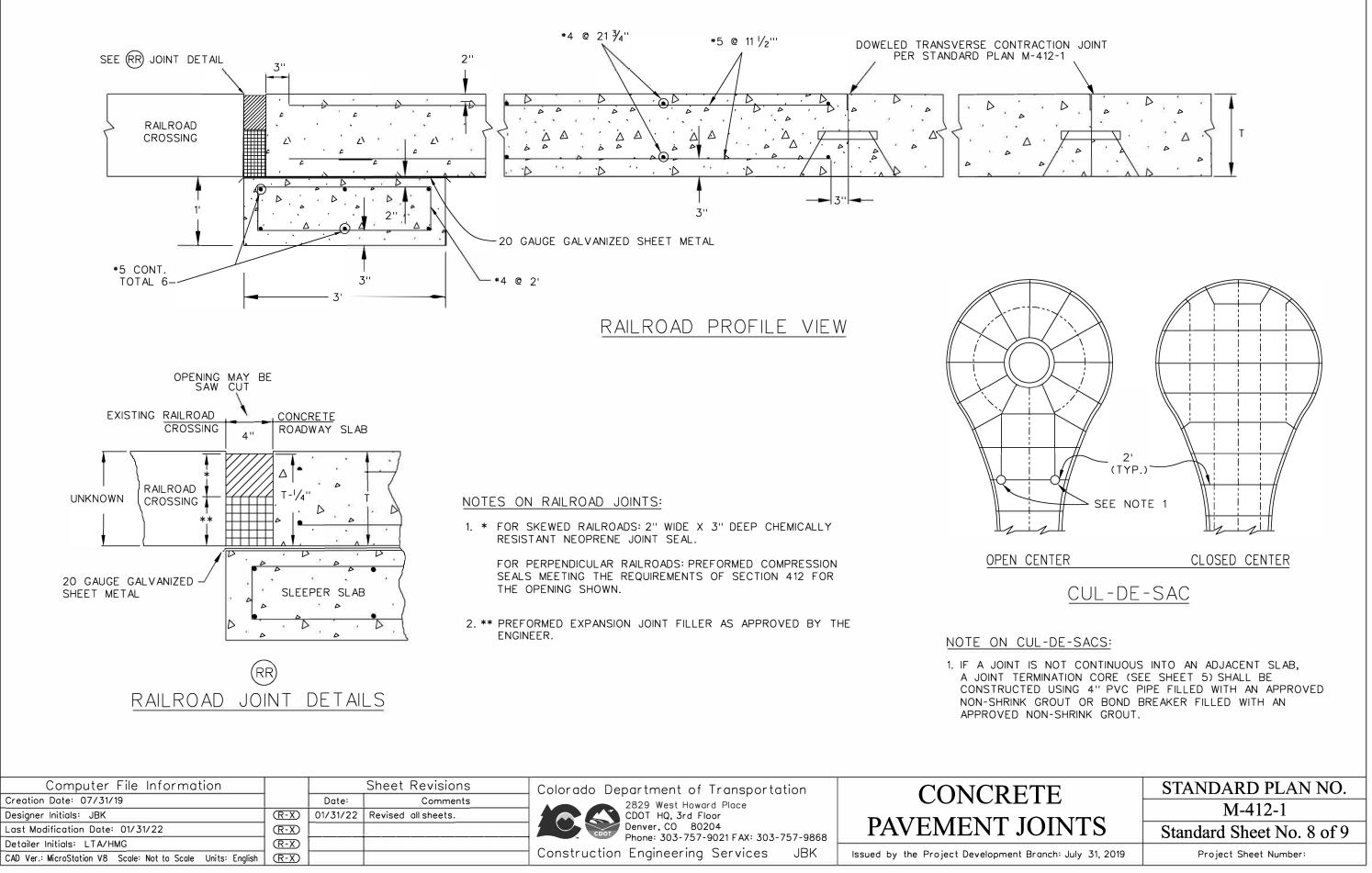
NOTE ON PERPENDICULAR RAILROAD DETAILS:

1. THE LENGTH OF THE FIRST PANEL ADJACENT TO THE RAIL ROAD SHALL BE BETWEEN 12 AND 15 FEET.



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