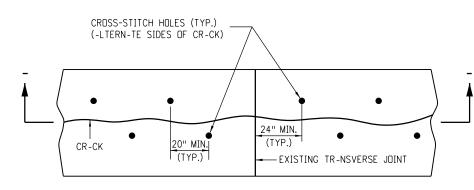
## GENER-L NOTES

THE DEFORMED REB-RS TO THE TOP OR BOTTOM OF THE CONCRETE SL-B. WILL BE CONT-INED IN THE HOLE WHILE B-CK FILLING.

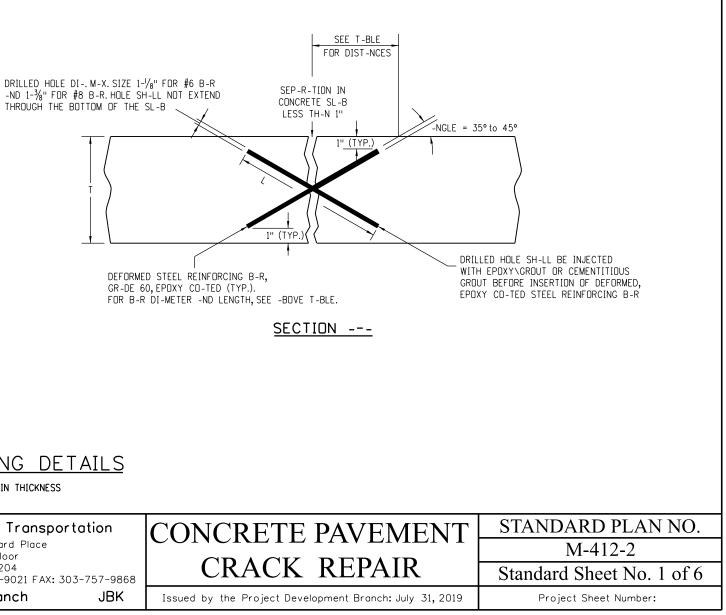
1. THERE SH-LL BE - MINIMUM 1 INCH G-P FROM THE ENDS OF 2. DO NOT DRILL HOLE COMPLETELY THROUGH THE SL-B, SO TH-T THE EPOXY/GROUT

	SL-B THICKNESS (T) (IN.)							
-NGLE	8	9	10	11	12	13	14	15≥
-NGLE	DIST-NCE TO HOLE (IN.)							
35	5.75	6.50	7.25	7.75	8.50	-	-	-
40	-	-	-	6.50	7.25	7.75	8.25	-
45	-	-	-	-	6.00	6.50	7.00	7.50
	LENGTH OF B-R (L) (IN.)							
35	9.50	11.00	12.50	14.50	16.00	-	-	-
40	-	-	-	12.50	14.00	16.00	18.50	-
45	-	-	-	-	12.00	14.00	16.50	18.00
	EPOXY CO-TED B-R NUMBER (#)							
	6	6	6	6	6	8	8	8

### CROSS STITCHING B-R DIMENSIONS -ND LOC-TION OF DRILL HOLES



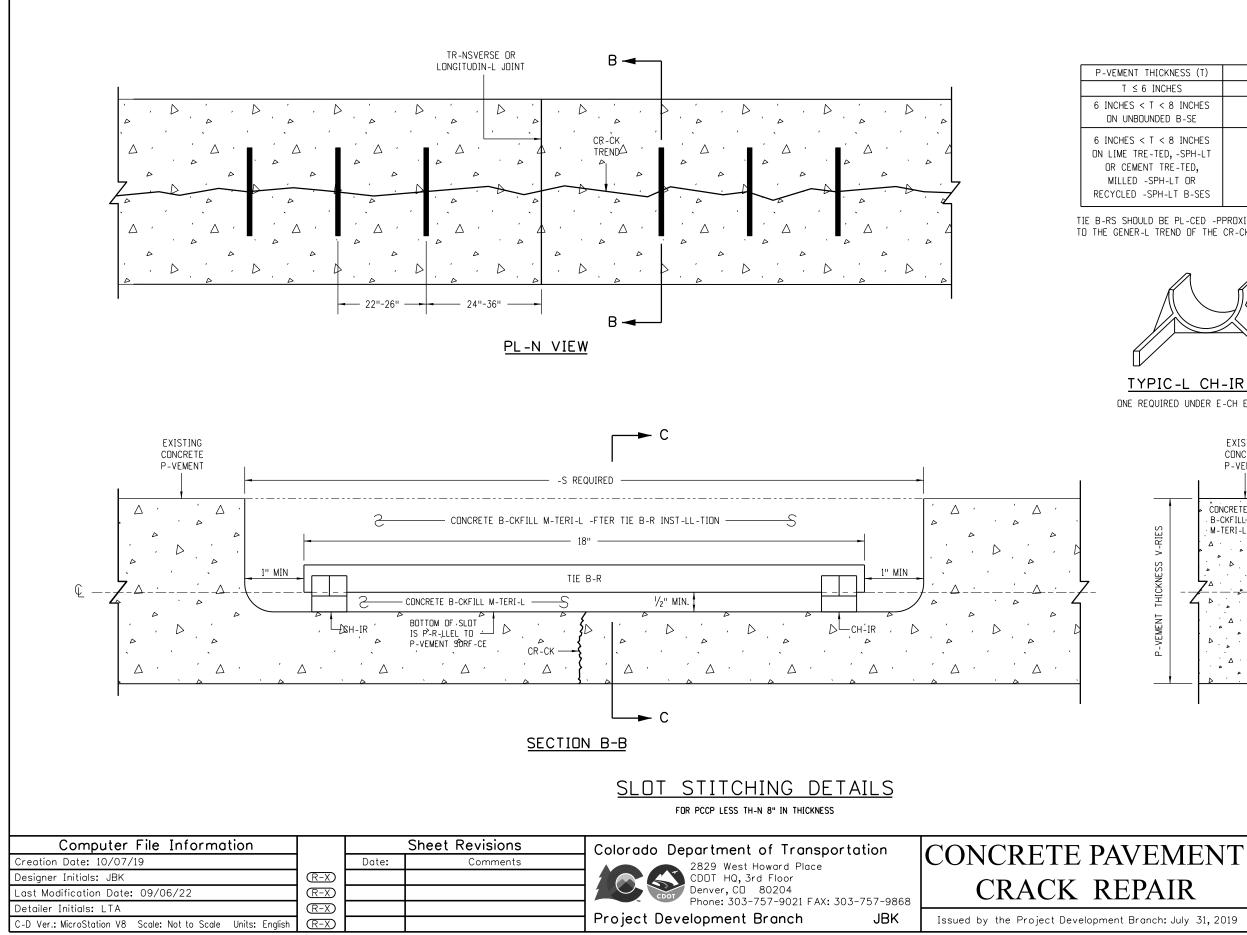
PL-N VIEW



|--|

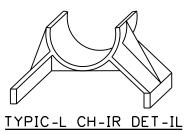
FOR PCCP 8" OR MORE IN THICKNESS

Computer File Information			Sheet Revisions	Colorado Department of Transportation	1	CONCRETE PA
Creation Date: 10/07/19		Date:	Comments	2829 West Howard Place		CUNCKETE PA
Designer Initials: JBK	R-X			CDDT HQ, 3rd Floor		
Last Modification Date: 09/06/22	R-X			Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9	9868	CRACK RI
Detailer Initials: LTA	R-X					
C-D Ver.: MicroStation V8 Scale: Not to Scale Units: English	R-X			Project Development Branch JB	3K	Issued by the Project Developmer

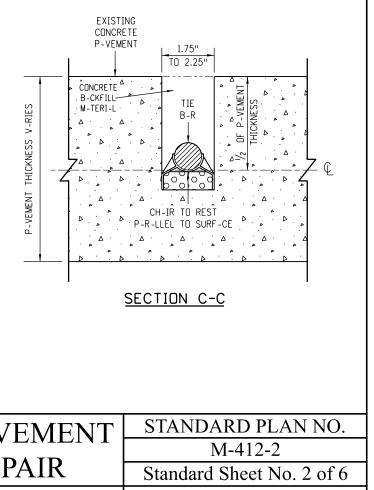


/EMENT THICKNESS (T)	TIE B-R SIZE
T ≤ 6 INCHES	#4
NCHES < T < 8 INCHES IN UNBOUNDED B-SE	#5
NCHES < T < 8 INCHES IME TRE-TED, -SPH-LT R CEMENT TRE-TED, WILLED -SPH-LT OR YCLED -SPH-LT B-SES	#6

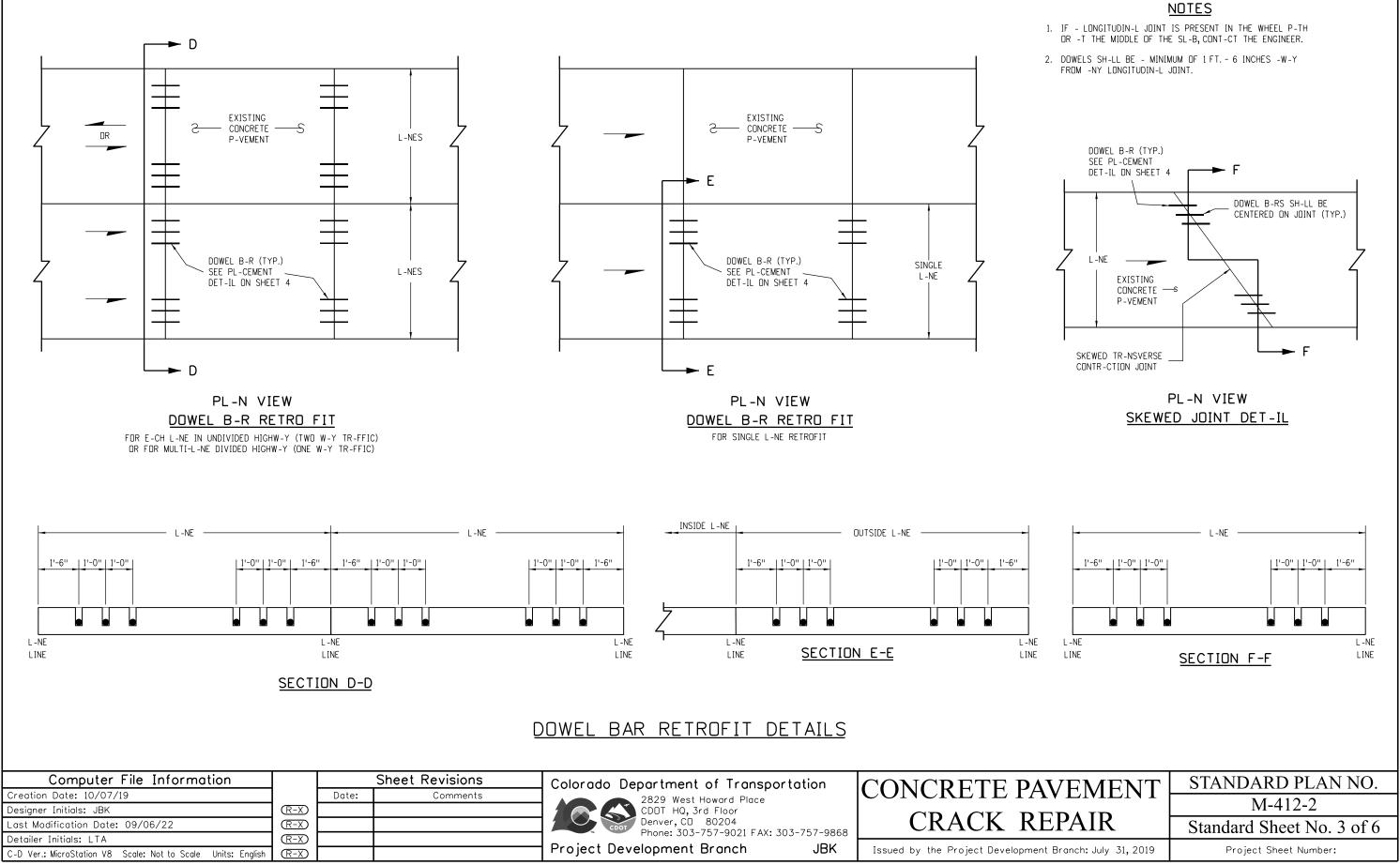
TIE B-RS SHOULD BE PL-CED -PPROXIM-TELY PERPENDICUL-R TO THE GENER-L TREND OF THE CR-CK.



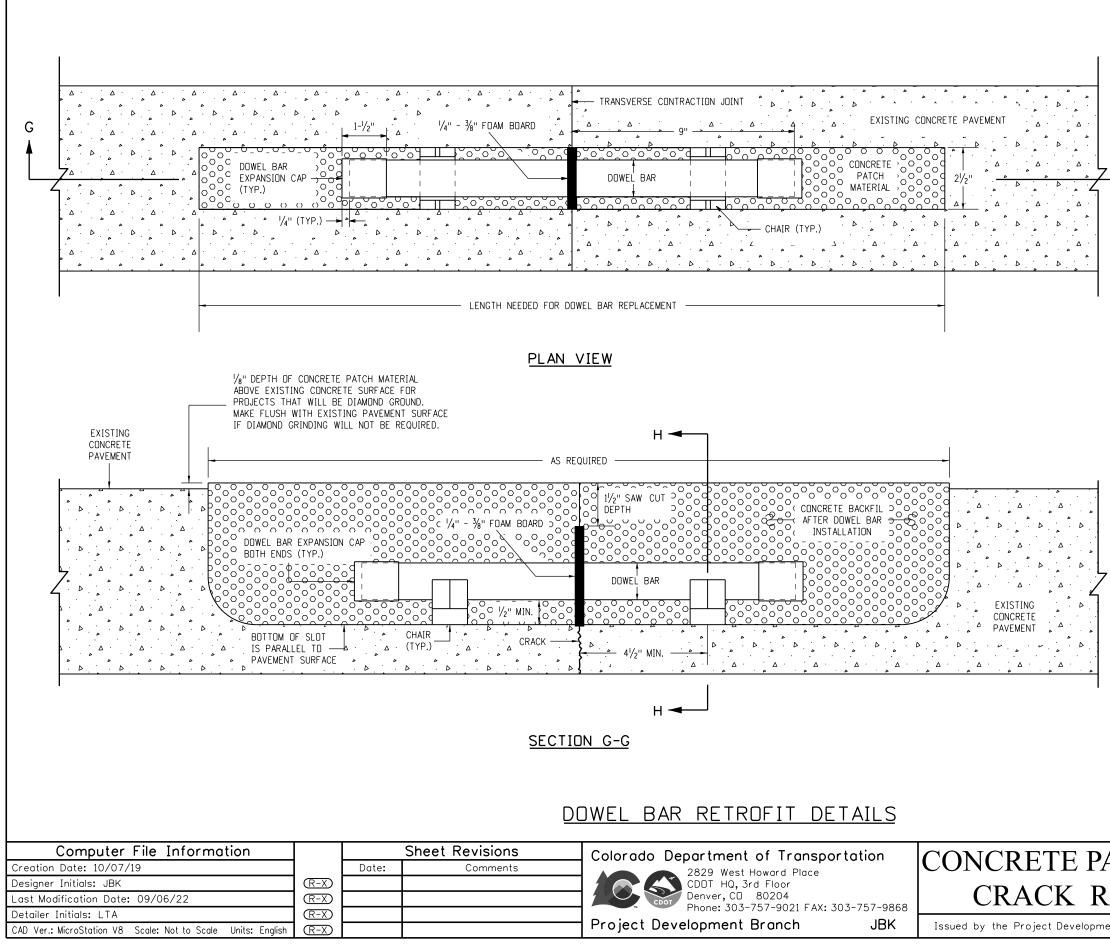
ONE REQUIRED UNDER E-CH END OF TIE B-R



Project Sheet Number:

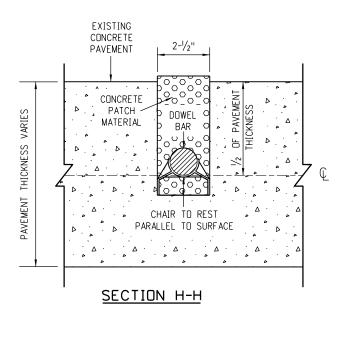






PAVEMENT THICKNESS (T)	DOWEL BAR DIAMETER
7 INCHES ≤ T < 8 INCHES	1 INCH
8 INCHES $\leq$ T $\leq$ 10 INCHES	1.25 INCH
10 INCHES < T ≤ 15 INCHES	1.50 INCH

G

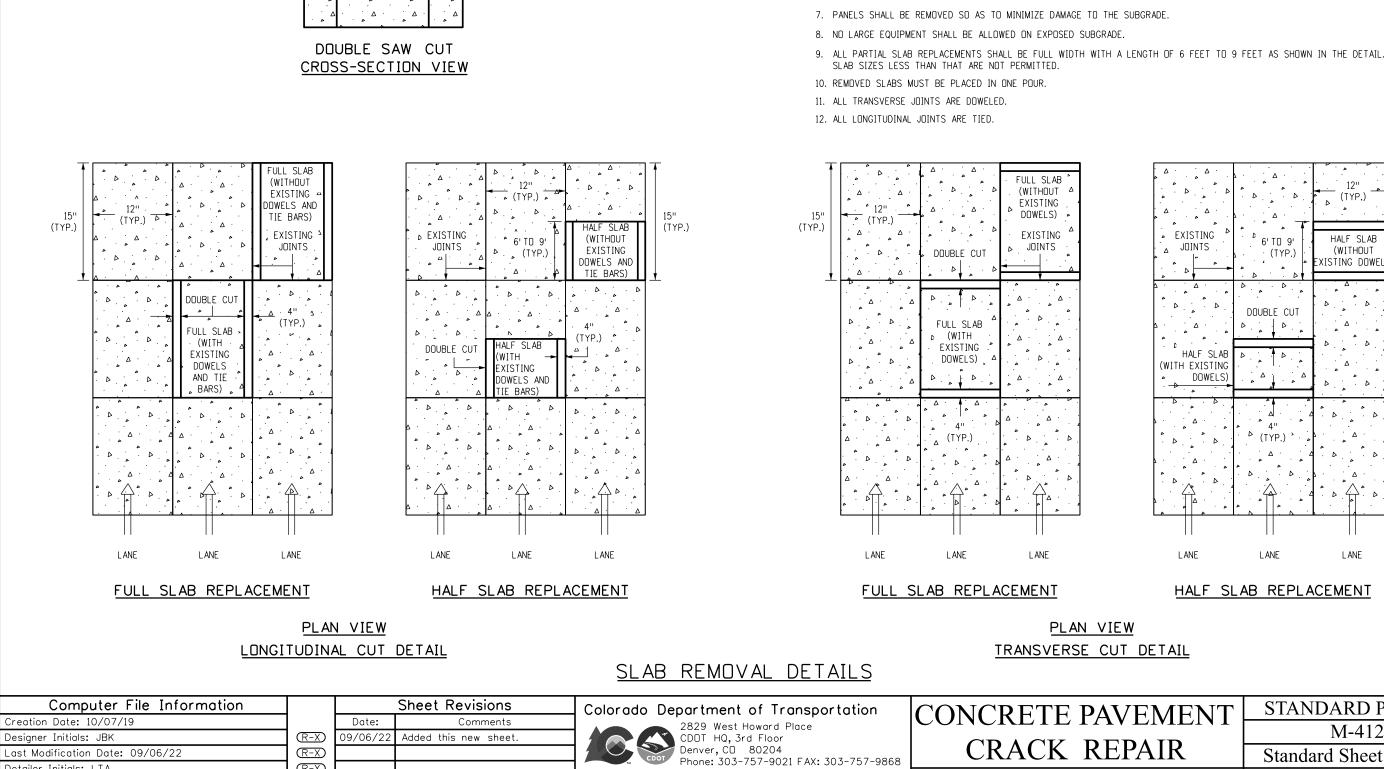




 TYPICAL
 CHAIR
 DETAIL

 ONE
 REQUIRED
 UNDER
 EACH
 END
 OF
 DOWEL
 BAR

AVEMENT	STANDARD PLAN NO.		
	M-412-2		
REPAIR	Standard Sheet No. 4 of 6		
ent Branch: July 31, 2019	Project Sheet Number:		



Project Development Branch

JBK

(R-X)

(R-X)

Detailer Initials: LTA

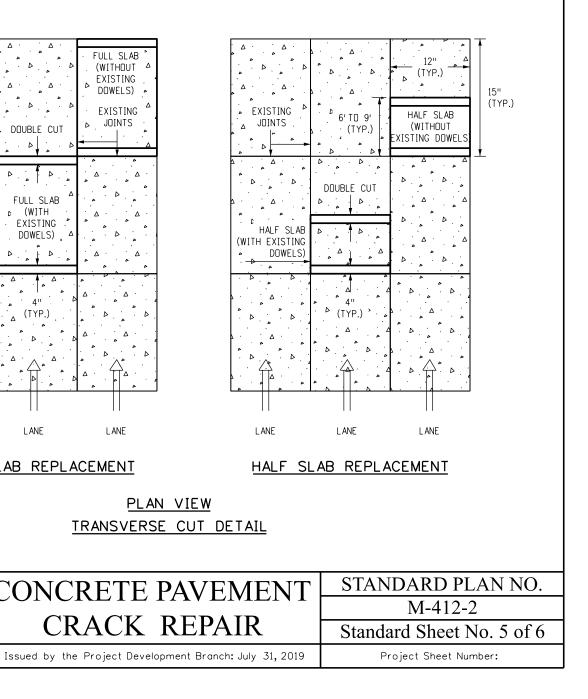
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English

1. DAMAGE TO THE CONCRETE RESULTING FROM THE CONTRACTOR'S DRILLING OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. 2. ALL FULL AND HALF SLABS TO BE REPLACED SHALL BE DOUBLE SAW CUT TO PROTECT THE ADJACENT SLABS FROM DAMAGE. 3. DOUBLE SAW CUTS SHALL BE THE FULL DEPTH OF CONCRETE SLAB. 4. THE INSIDE DOUBLE SAW CUT SHALL BE 4 INCHES MINIMUM IN FROM AREA TO BE REMOVED AS SHOWN IN THE DETAIL. 5. BOTH LONGITUDINAL AND TRANSVERSE DOUBLE SAW CUTS SHALL BE DONE PRIOR TO REMOVING SLAB.

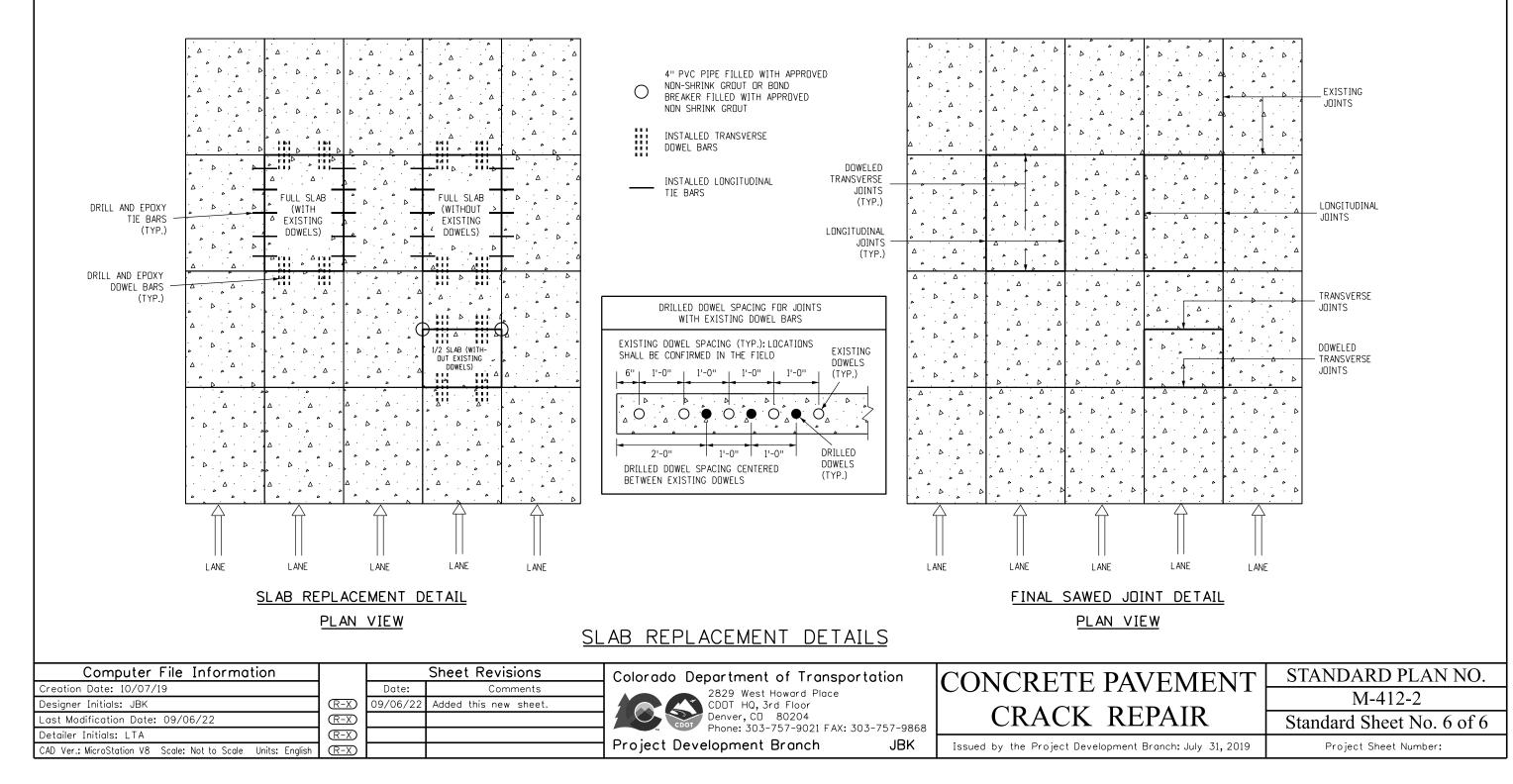
- OR SURFACE WATER.

# NOTES

6. ALL SAW CUTTING AND CONCRETE WASTE WATER RESIDUE SHALL BE CONTAINED AND NOT ALLOWED TO ENTER ANY STORM DRAIN



- 2. HOLES SHALL NOT BE DRILLED WITHIN 18 INCHES OF AN EXISTING LONGITUDINAL JOINT OR TRANSVERSE JOINT
- 3. ALL SAW CUTTING AND CONCRETE WASTE WATER RESIDUE SHALL BE CONTAINED (OR AS DIRECTED BY THE ENGINEER).
- 4. CONCRETE SHALL BE CLASS P OR PRS AND SHALL ACHIEVE COMPRESSIVE STRENGTH OF 2500 PSI PRIOR TO OPENING TO TRAFFIC.
- CONCRETE DEPTH, EXISTING AGGREGATE BASE COURSE, AND REQUIRED SUBGRADE MATERIAL AS DETERMINED BY THE ENGINEER.
- THE ENGINEER MAY APPROVE CHANGES DUE TO MISALIGNED EXISTING DOWEL BARS.



## NOTES

1. DAMAGE TO THE CONCRETE RESULTING FROM THE CONTRACTOR'S DRILLING OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

5. THICKNESS OF NEW CONCRETE PAVEMENT SECTION SHALL MATCH EXISTING CONCRETE PAVEMENT SECTION. THIS SHALL INCLUDE EXISTING

6. NEW DOWEL BARS SHALL BE CENTERED BETWEEN EXISTING DOWELS. NEW BARS SHALL BE A MINIMUM OF 3 INCHES FROM EXISTING BARS.