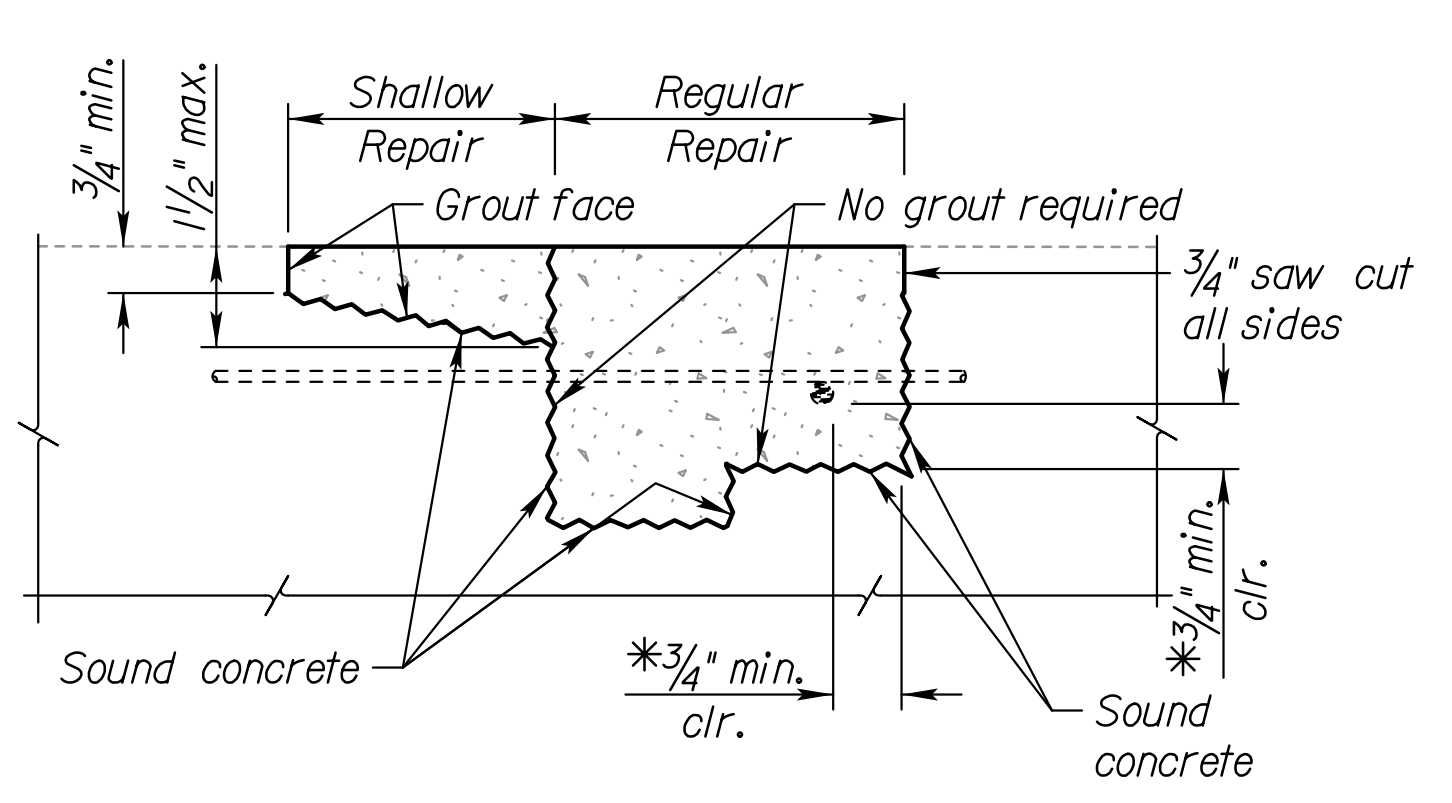
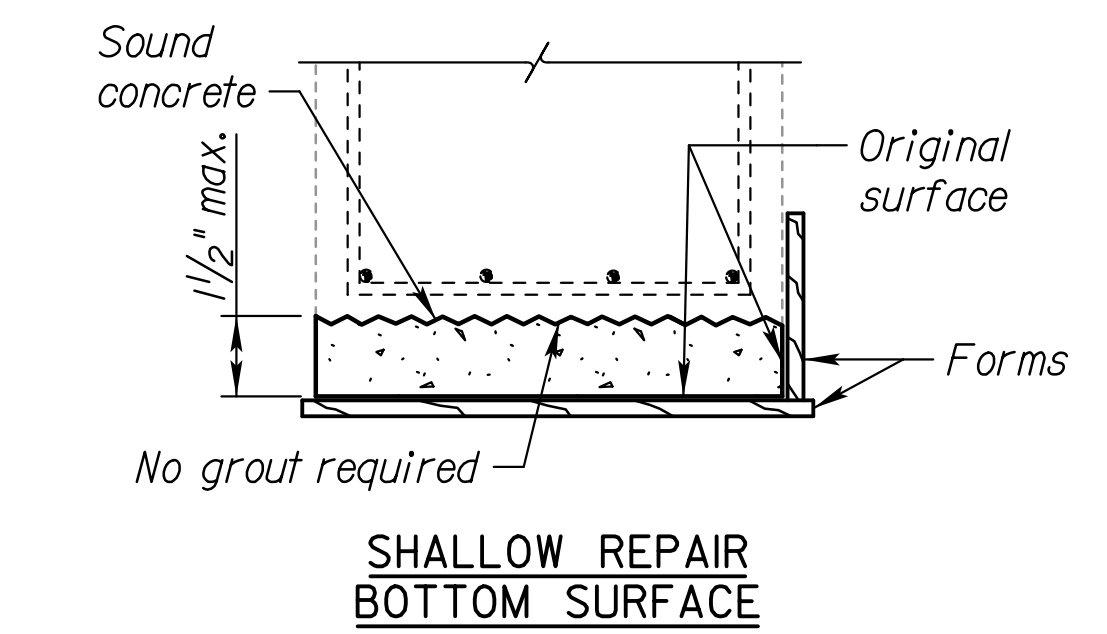
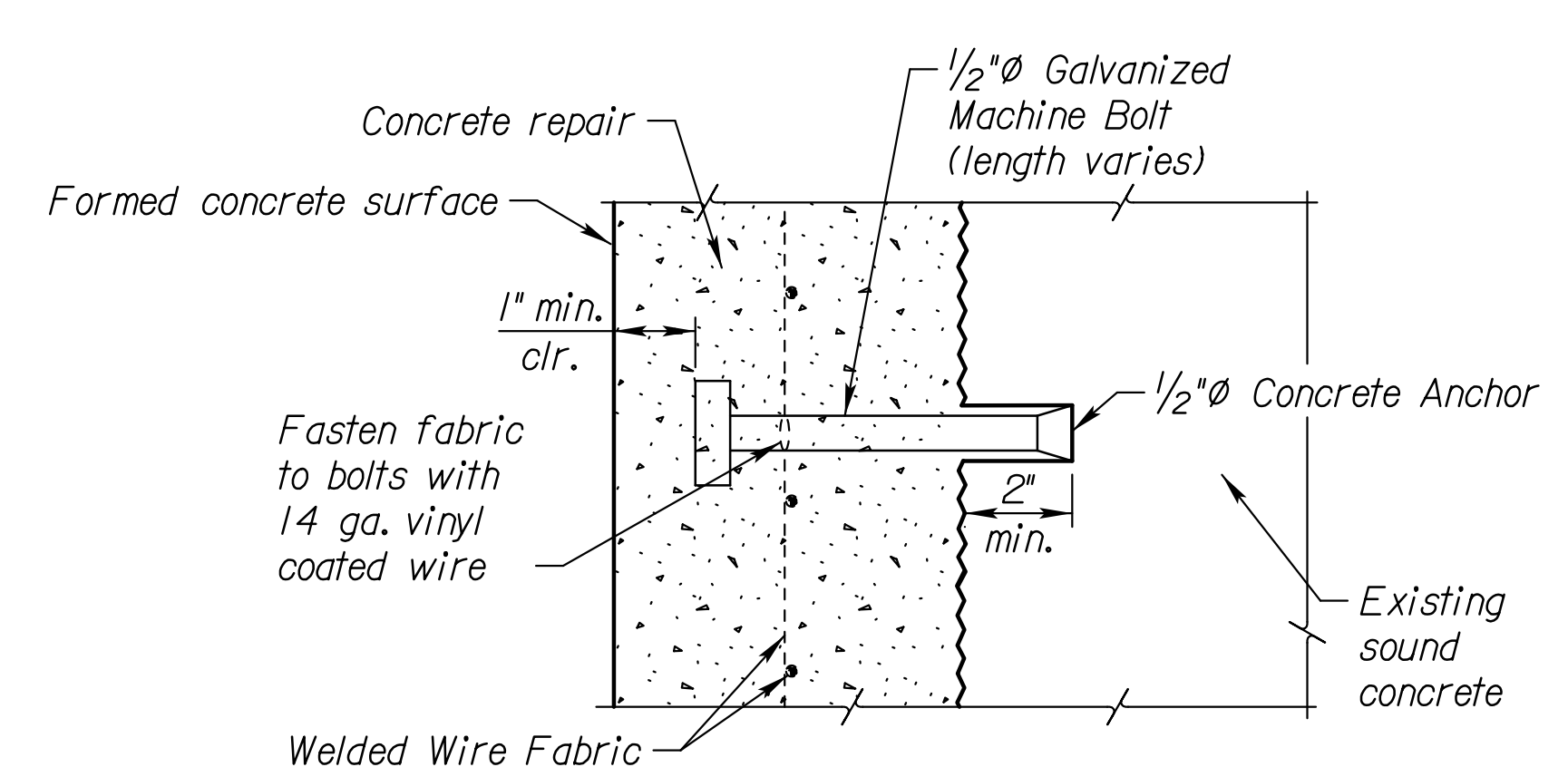


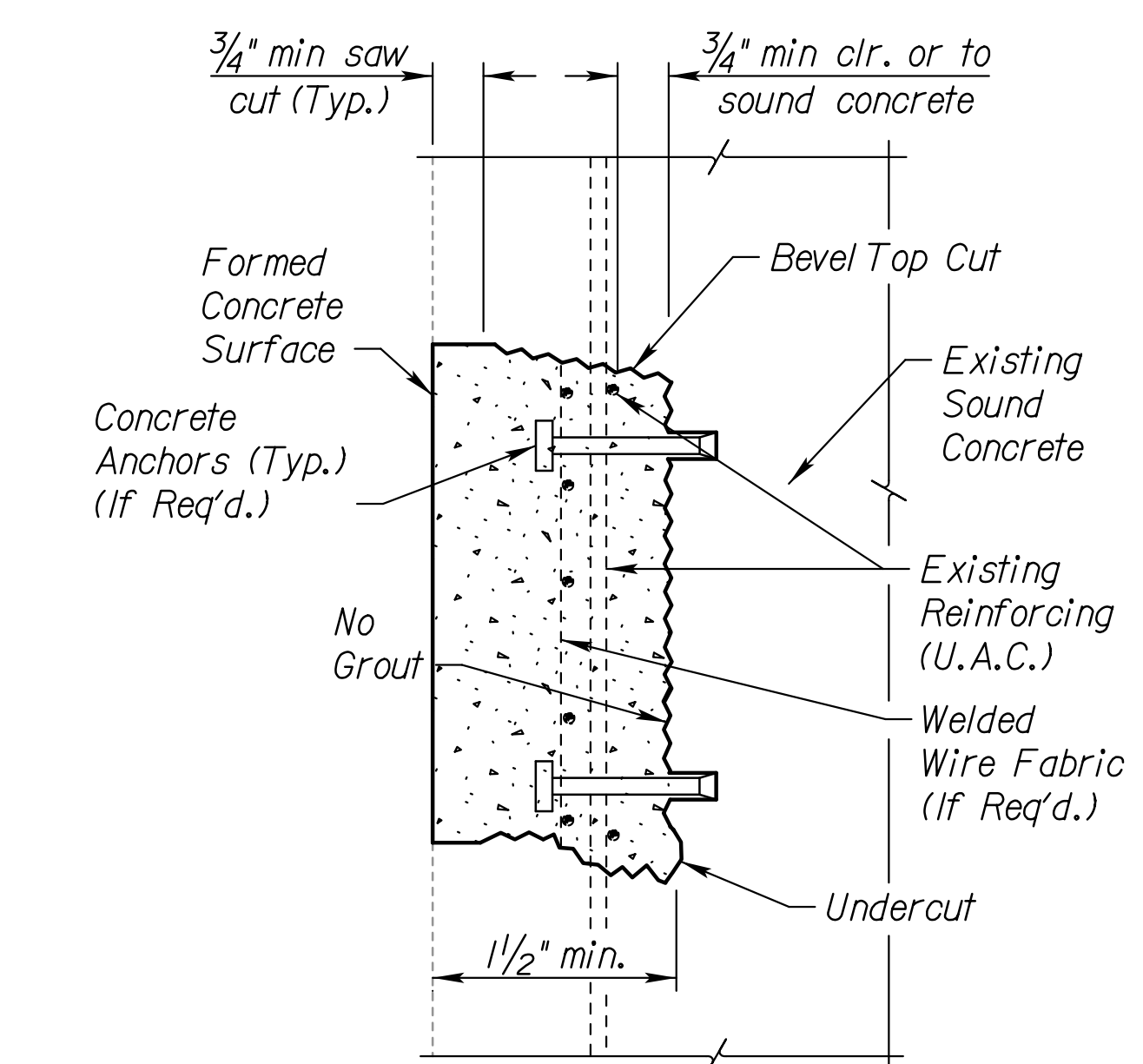
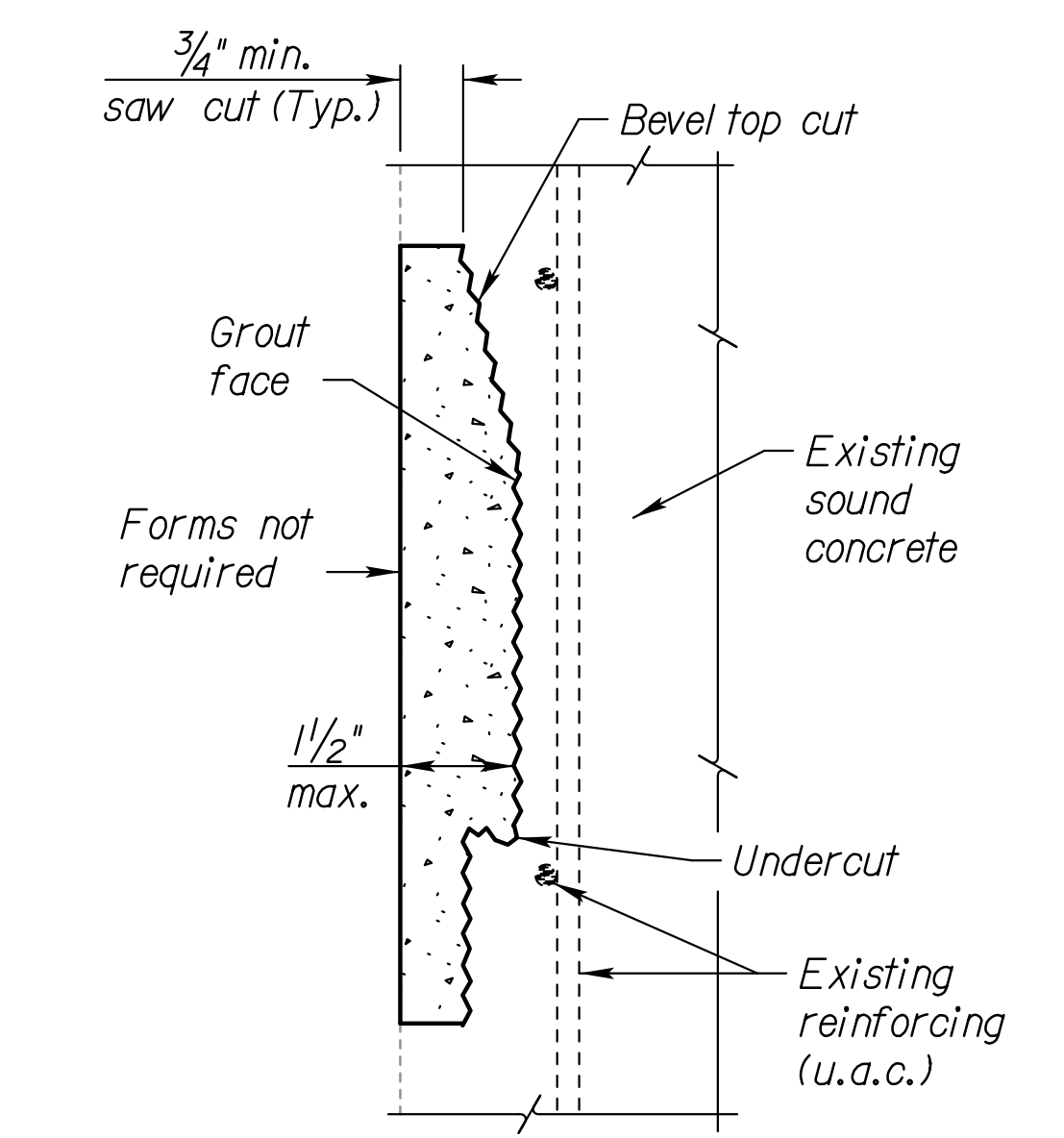
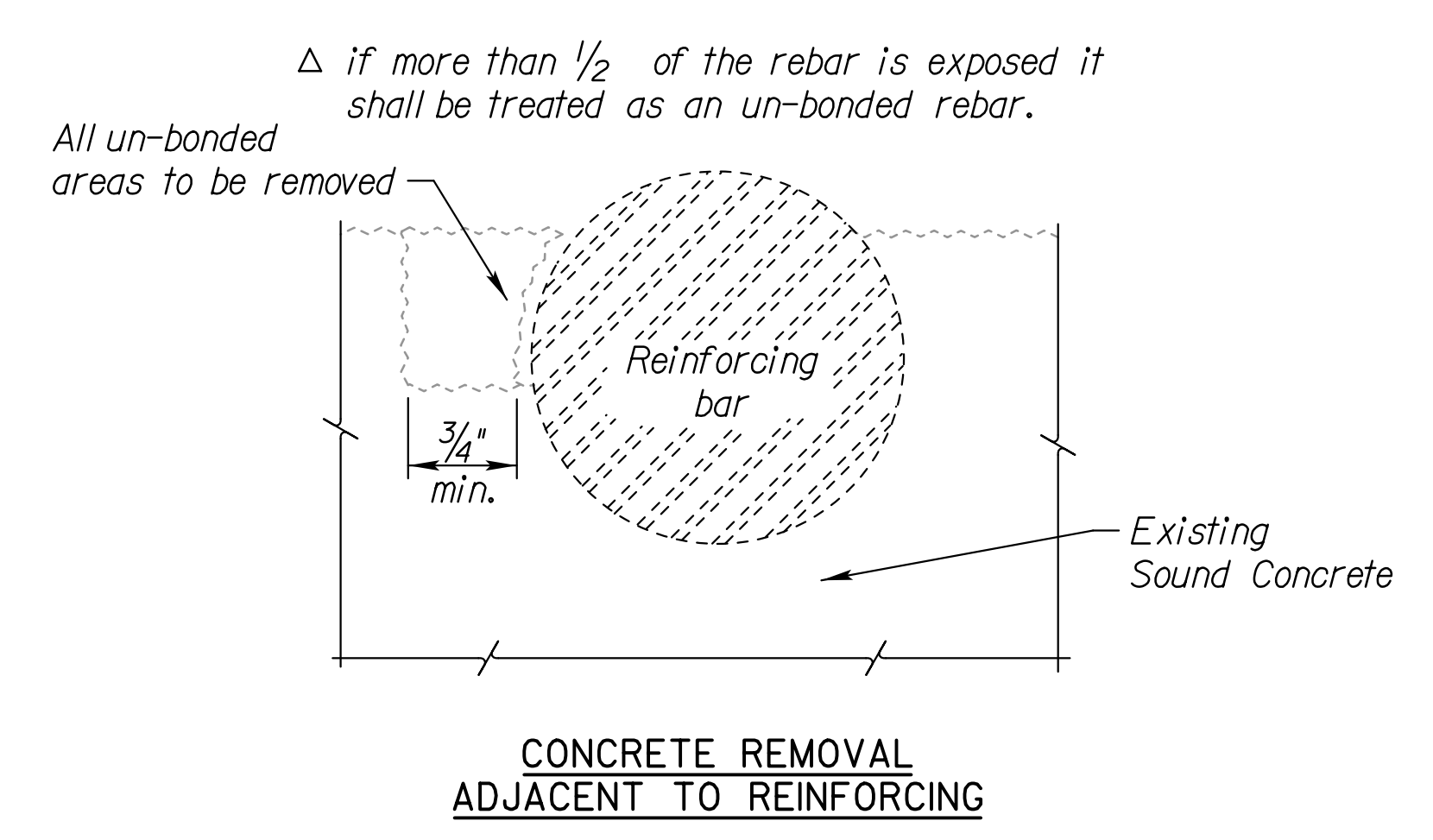
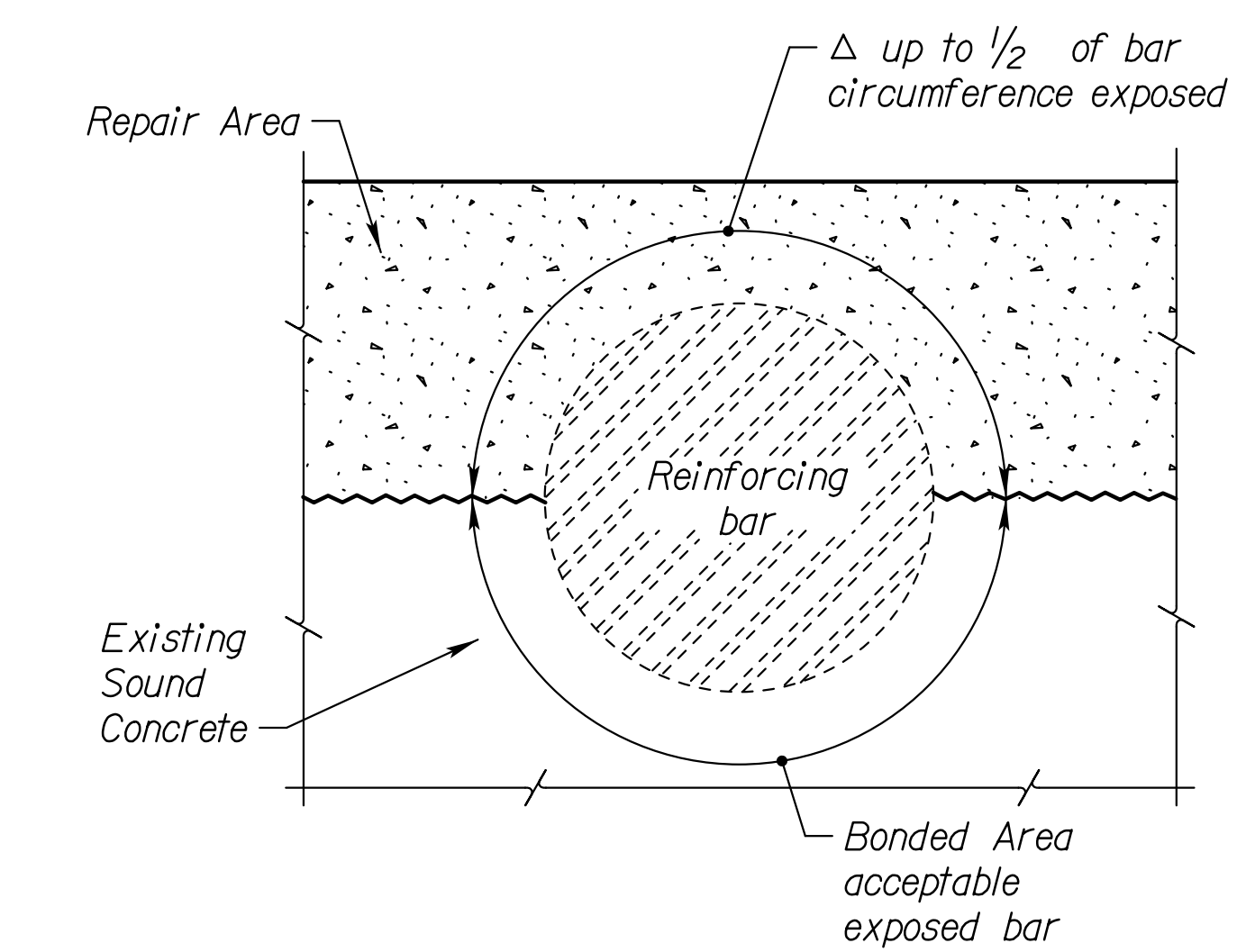
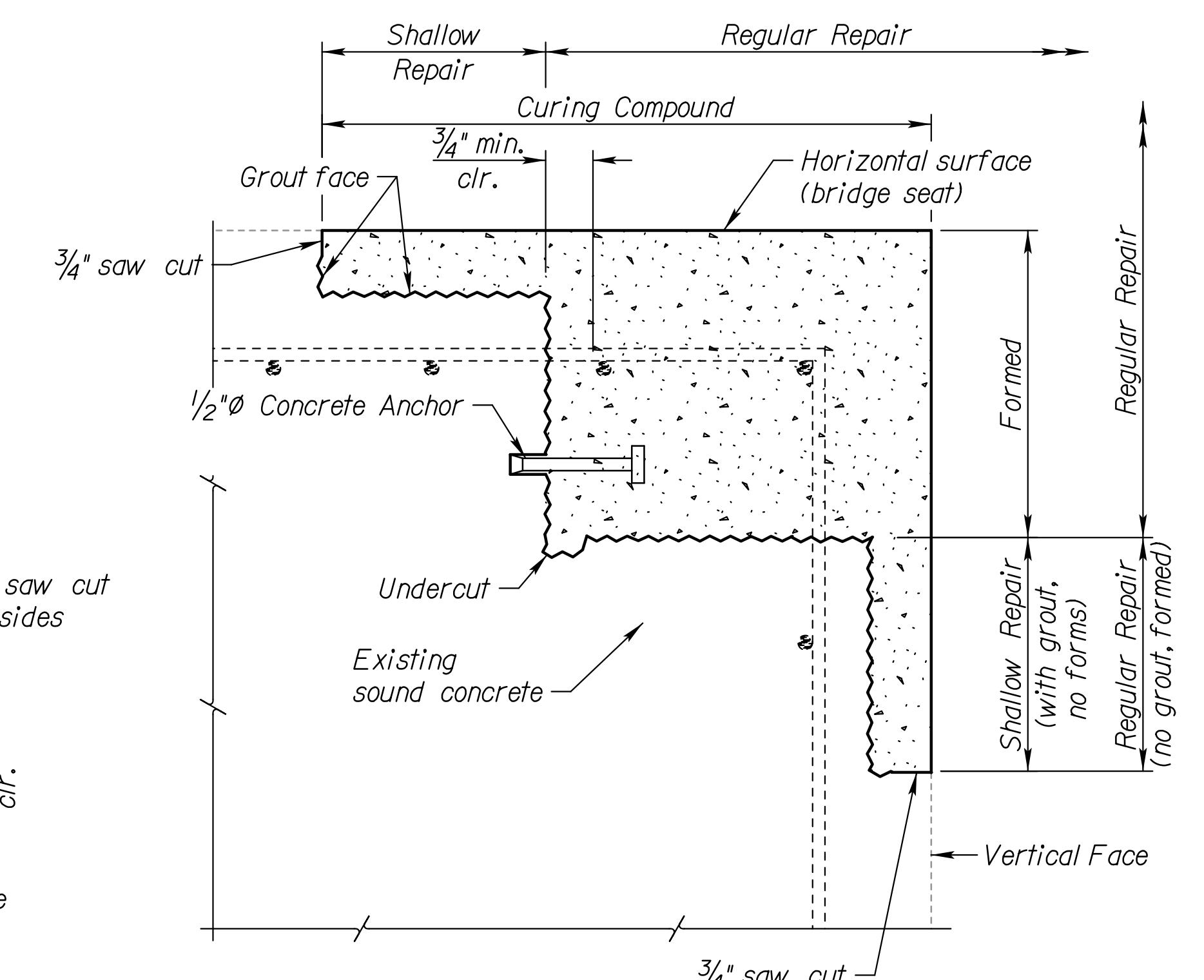
FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	472-85210	2015	8	28



\* indicates clearance for an un-bonded rebar.



For spacing and use of concrete anchors and WWF see the standard notes.



**STANDARD NOTES:**

The spalled and hollow areas of this bridge as noted and shown in these plans shall be repaired as follows:  
 All the costs of equipment and materials required to repair the spalled and hollow areas of this bridge shall be included in the price bid for "Concrete Repair".  
 The price bid for "Concrete Repair" shall include the cost of all Concrete Anchors and Mesh required by the plans.  
 The Engineer shall determine and outline by visual and audible inspection the actual areas of the concrete repairs. The Contractor shall be paid for the actual amount of repairs made on a square foot basis based on the price bid per square foot.  
 All existing reinforcing bars that are exposed by concrete removal shall be cleaned and carefully incorporated into the new work, except badly deteriorated existing reinforcing which shall be replaced as directed by the Engineer.  
 The concrete anchors required shall have a minimum pull out of 5000 lbs. based on 4000 psi concrete. The anchors shall be galvanized and shall be installed according to recommendations of the manufacturer. The cost of furnishing and installing the concrete anchors shall be included in the price bid for "Concrete Repair".  
 The welded wire fabric shall be ASTM A185 and galvanized as per ASTM A-641. The WWF wires shall be spaced 3 x 3 or 4 x 4 and the wires shall have a nominal area of 0.014 to 0.029 square inches inclusive, example "WWF 3 x 3 - W1.4 x W2.9".  
 Where reinforcement has been exposed and clearance around the periphery of the existing bar is provided no supplemental reinforcing is required, except where existing reinforcement density and pattern are such that individual open spaces between bars are of 1.5 square foot or larger. For this condition "Concrete Anchors" and welded wire fabric shall be installed at the rate of one concrete anchor with WWF per each 1.5 square feet of area within each open space.

CONCRETE PLACEMENT QUANTITIES			
MARK	TYPE	UNITS	QUANTITY
①	SHALLOW REPAIR	SQ. FT.	xxx
②	REGULAR REPAIR	SQ. FT.	xxx
TOTAL (SQ. FT.)			xxx

ESTIMATED CONCRETE REPAIR QUANTITIES			
DESCRIPTION	UNITS	AMOUNT	
CONCRETE REPAIR	SQ. FT.	xx	

3				
2				
1				
NO.	DATE	REVISIONS	BY	APP'D
CITY OF WICHITA				
BR. NO. 53040087000AR30			STA. 236+89.80	
CONCRETE REPAIR DETAILS				
REHABILITATION OF THE JOHN MACK BRIDGE OVER THE KANSAS RIVER				
SHEET NO.	OF	SCALE	APP'D	
DESIGNED		DETAILED	AJD	QUANTITIES
DESIGN CK.		DETAIL CK.	MJJ	QUAN. CK.
				CADD
				CADD CK.

Plot File: c:\transys\paw\ajd\inkel\020779\Concrete Repair details.dgn  
 Plot Date: 10/15/2015  
 Plot Location: AJDINKEL