

## GENERAL NOTES

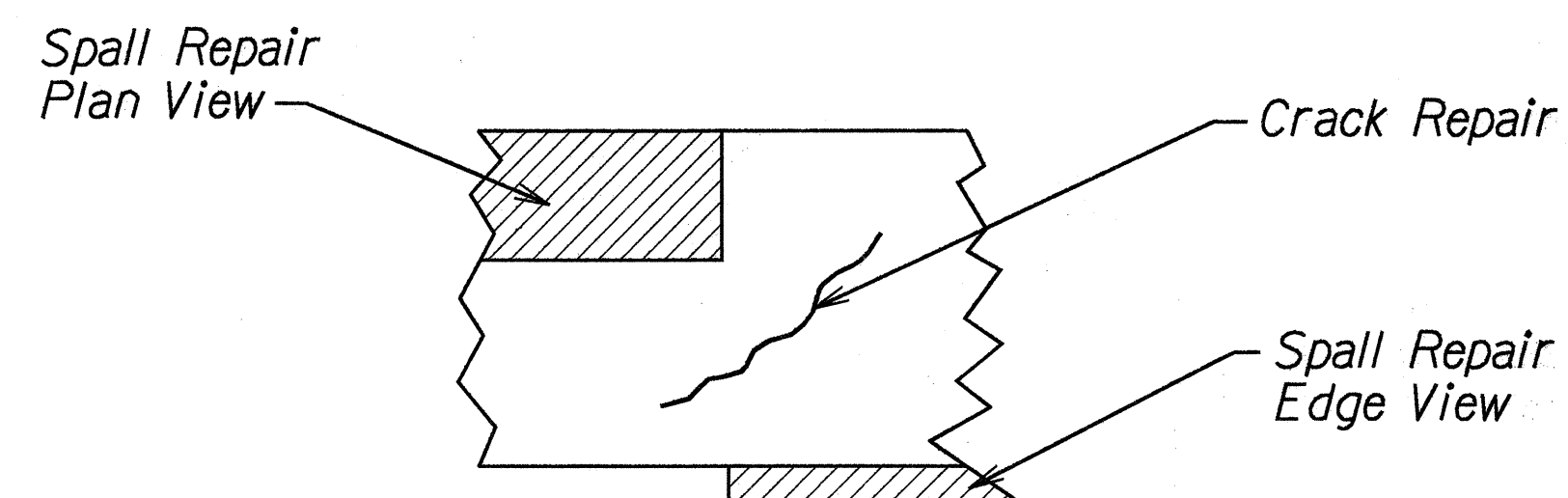
### GENERAL:

1. Contractor shall not permit discharge of any kind resulting from construction activities to enter the Wailua River.
2. The contractor's attention is directed to section 107, "Legal relations and responsibility to public" of the specifications. If the Contractor's working methods require grading, noise, and/or NPDES permits, the Contractor shall be responsible for getting the necessary permits and licenses.
3. All reinforcing steel to be ASTM A615 Grade 40.
4. All welding shall be done in accordance with the current edition of the Reinforcing Steel Welding Code AWS D1.4.

**INCIDENTAL ITEMS:** The following items shall be considered incidental to the various pay items of repair and will not be paid for separately.

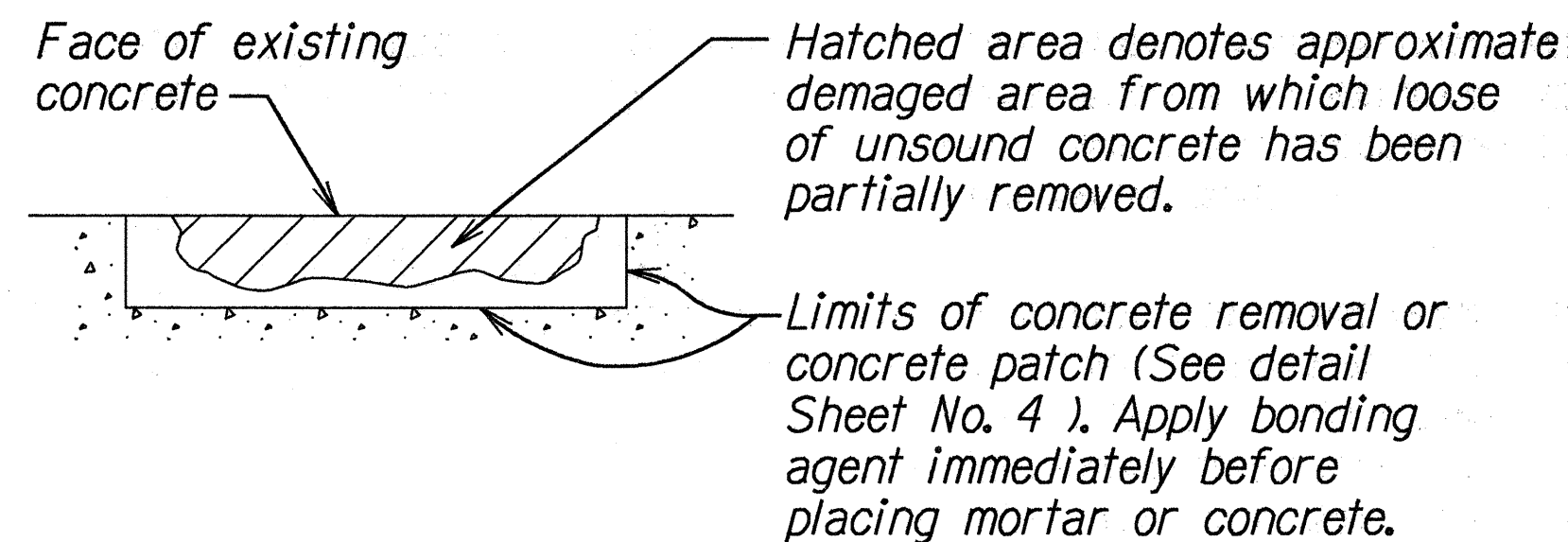
1. Bolts and other miscellaneous hardware including hot-dipped zinc-coating and welded wire fabric.
2. Cleaning of all exposed, corroded reinforcing steel to sound metal.
3. Reinforcing bars of repair splice for strengthening corroded bars.
4. Furnishing and application of Hydrozo Clear 16 Waterproofing Material.

### LEGEND:



### REPAIR NOTES:

1. All deteriorated, damaged, cracked, spalled, honeycombed concrete or concrete over rusted reinforcing bars shall be removed as shown and repaired with hand-placed mortar or shotcrete.



2. Provide minimum 2" concrete over reinforcement or welded wire fabric. See specifications for welded wire fabric requirements.
3. Reinforcing bars that have rusted more than 25% of the original cross sectional area shall be strengthened as shown on the "Repair Splice Detail," See Sheet No. 4.
4. Efflorescence shall be inspected and repaired as directed by the Engineer.
5. The Engineer shall determine all areas to be repaired and the limits of repair at each area.
6. Apply Hydrozo Clear 16 Waterproofing or equivalent to repaired areas as approved by the Engineer. Application shall be according to the Manufacturer's recommendations.
7. Contractor shall exercise extreme care in saw cutting the existing concrete. All damages to the existing reinforcing shall be repaired by the contractor at no cost to the State.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-01-97M	1997	3	10

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	1995
QUANTITIES BY	DESIGNED BY	
CHECKED BY		

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

### GENERAL NOTES

KUHIO HIGHWAY  
Repair Spalls on Wailua  
(Plantation) Bridge, Phase II  
Project No. 56A-01-97M

Scale: As Shown Date: April, 1997

SHEET No. 1 OF 1 SHEETS