

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	92A-01-96M	1996	4	5

GENERAL NOTES

REPAIR NOTES:

- 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.
- Provide minimum 2" concrete cover over reinforcement or welded wire fabric. See specifications for welded wire fabric requirements.
- Reinforcing bars that have rusted more than 25% of their original cross sectional area shall be cleaned and strengthened as shown on "Reinforcing Bar Repair Splice Detail", this sheet.
- The Engineer shall determine all areas to be repaired and the limits of repair at each area.
- Apply silane waterproofing as approved by the Engineer. Application shall be according to the Manufacturer's recommendations.

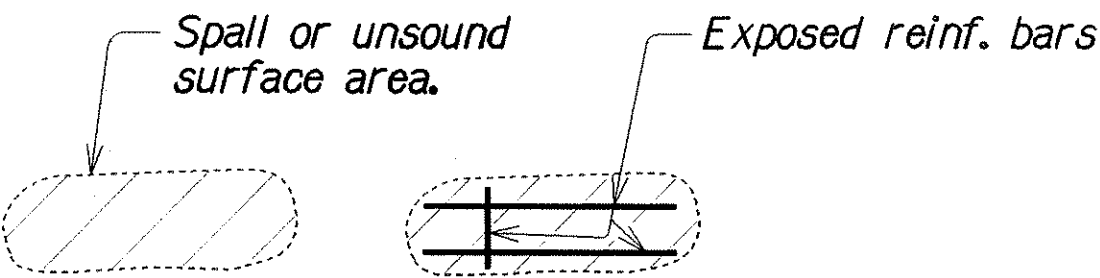
INCIDENTAL ITEMS: The following items shall be considered incidental to the various pay items for repairs and will not be paid for separately:

- Cleaning of all exposed, corroded reinforcing steel to sound metal.
- Reinforcing bars for repair splice.
- Furnishing and application of silane waterproofing material.

GENERAL:

- All reinforcing steel to be ASTM A 615 Grade 40.
- All welding shall be done in accordance with the current edition of the Reinforcing Steel Welding Code AWS D1.4.

SYMBOLS AND ABBREVIATIONS:



ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
676J000	Repair of Spall for Slip Cover	S.F.	1,635 *
677J000	Soffit Crack Repair for Slip Cover	LF.	210 *

* Includes estimated overrun.

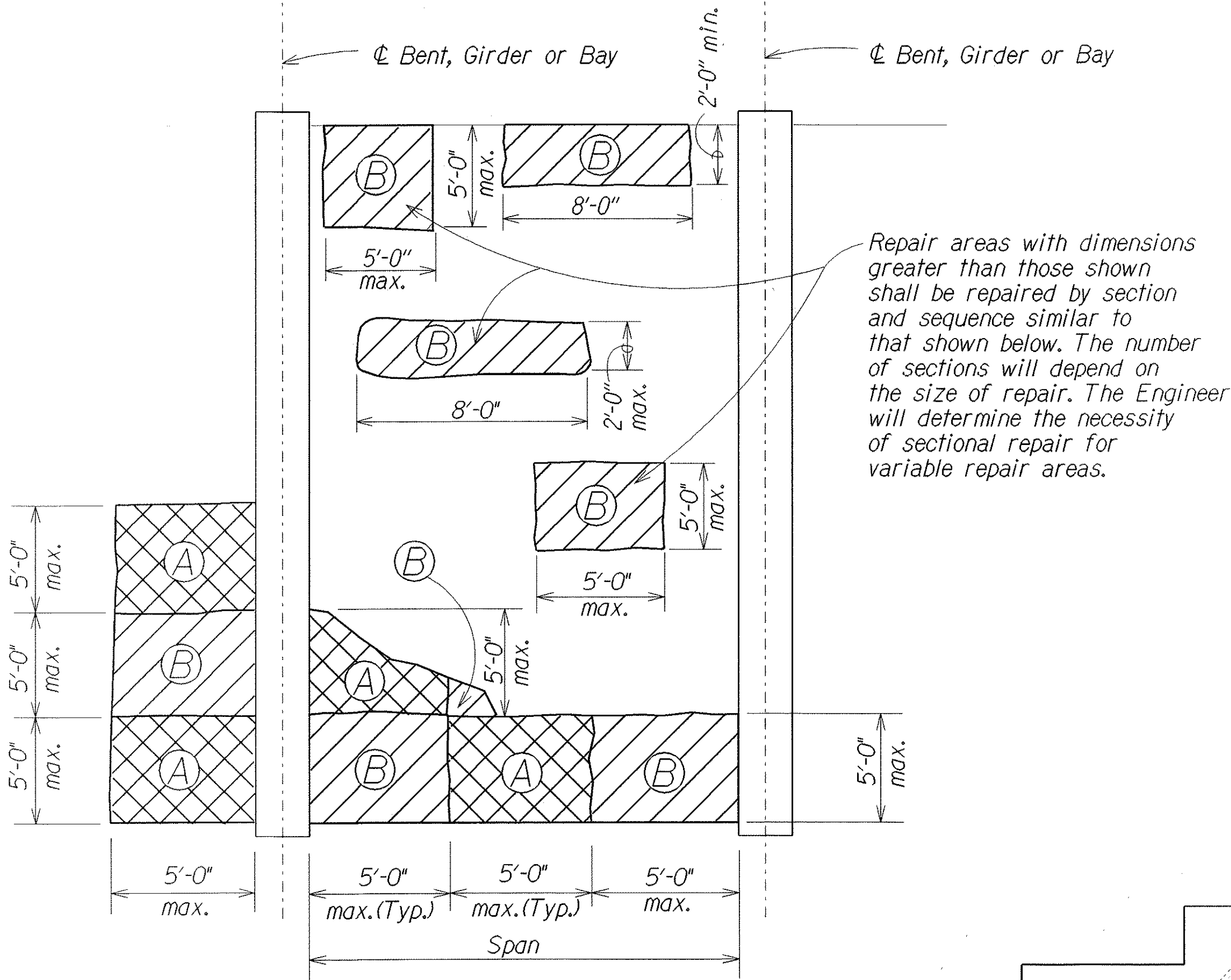
LEGEND FOR AS-BUILT POSTINGS	
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	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL CONCRETE REPAIRS, GENERAL
NOTES AND ESTIMATED QUANTITIES
NIMITZ HIGHWAY, SLIP COVER NO. 1
Repair Spalls at Soffit, Piles and Pier Caps
Proj. No. 92A-01-96M

Scale: As Noted
Date: Mar, 1996

SHEET No. 01 OF 2 SHEETS



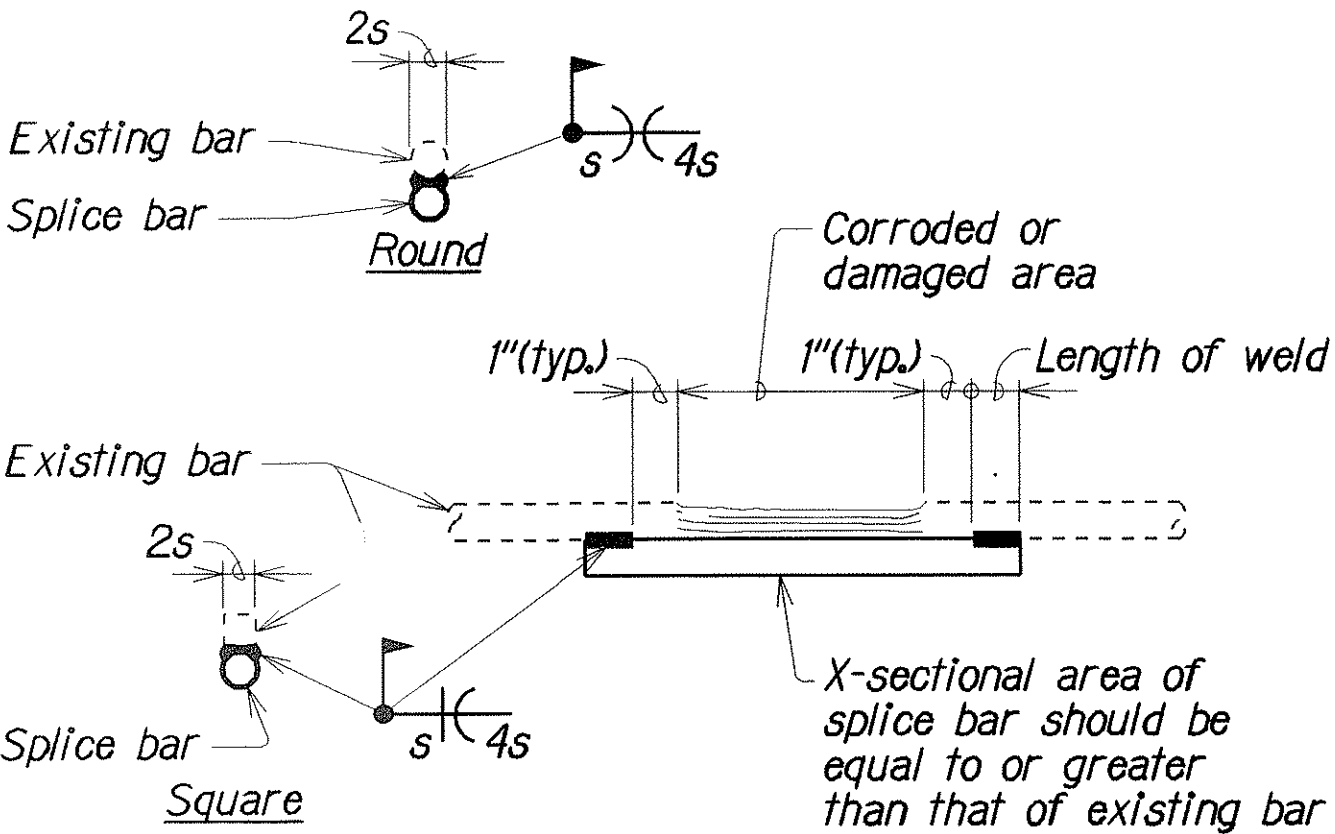
REFLECTED CEILING PLAN
Not to Scale

NOTE:

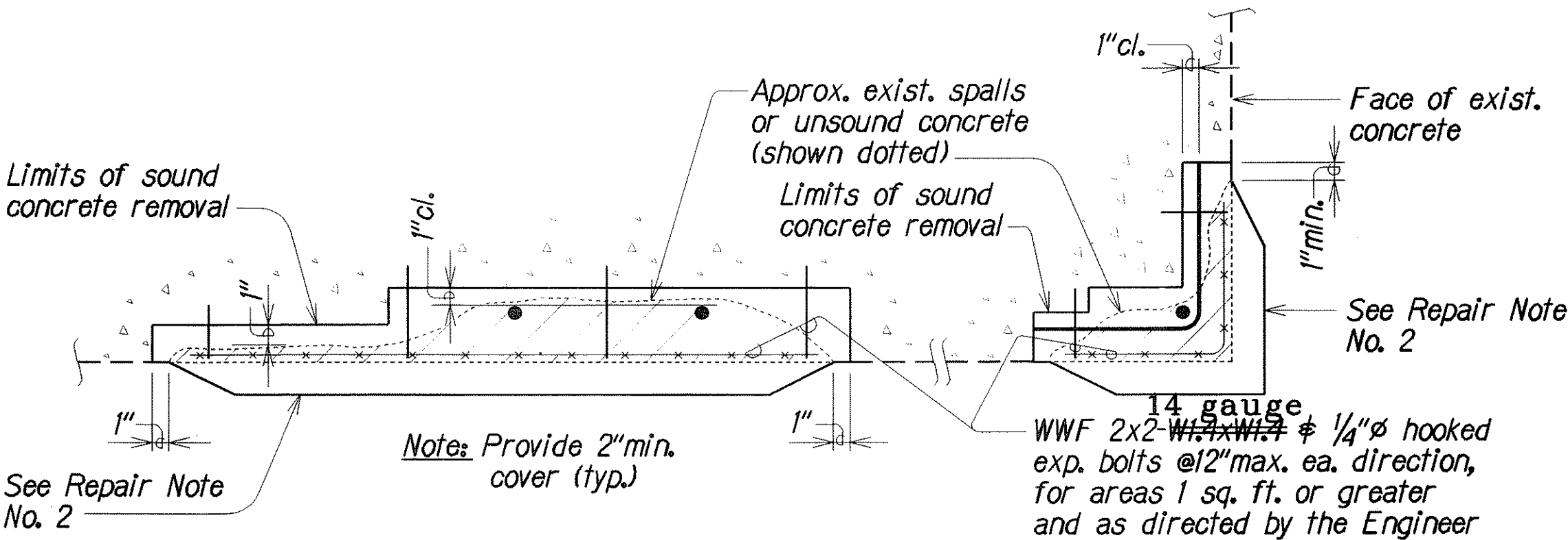
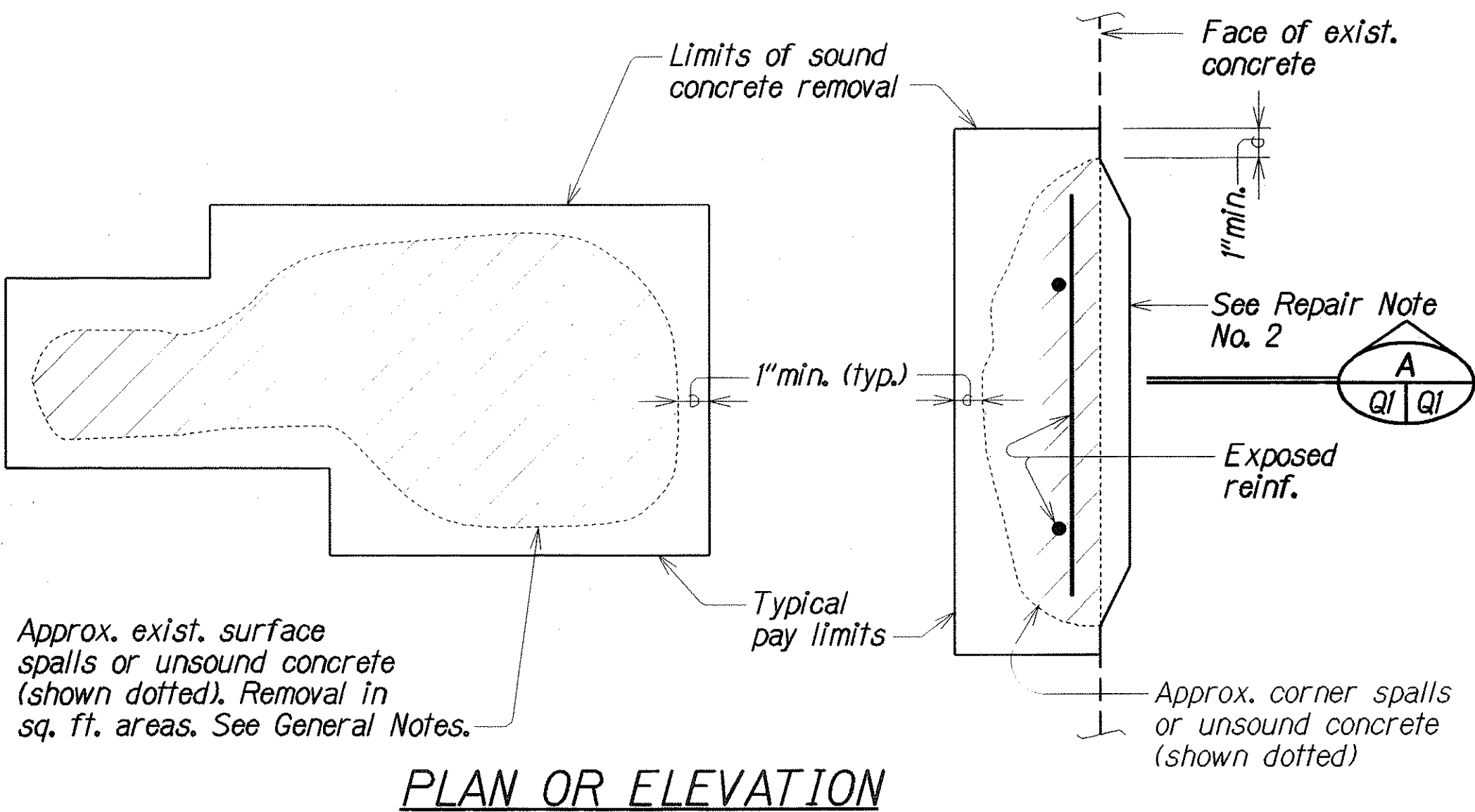
Slab damage over a large area shall be repaired in sections (A) & (B) as shown. The sequence of repair for each section shall be as follows:

- Repair section (A).
- Start repair of section (B) 7 days after placing mortar for section (A).

The necessity for sectional repairs will depend on the amount of reinforcing bars that has to be exposed and cleaned. The Engineer will determine the necessity for sectional repairs after portions of the steel have been exposed.



REINFORCING BAR REPAIR SPLICE DETAIL
Not to Scale



TYPICAL CONCRETE REPAIRS
Not to Scale

DATE	MAR 1996
SURVEY PLOTTED BY	KSG
DRAWN BY	KSG
DESIGNED BY	KBY
CHECKED BY	DOO
ORIGINAL PLAN	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	