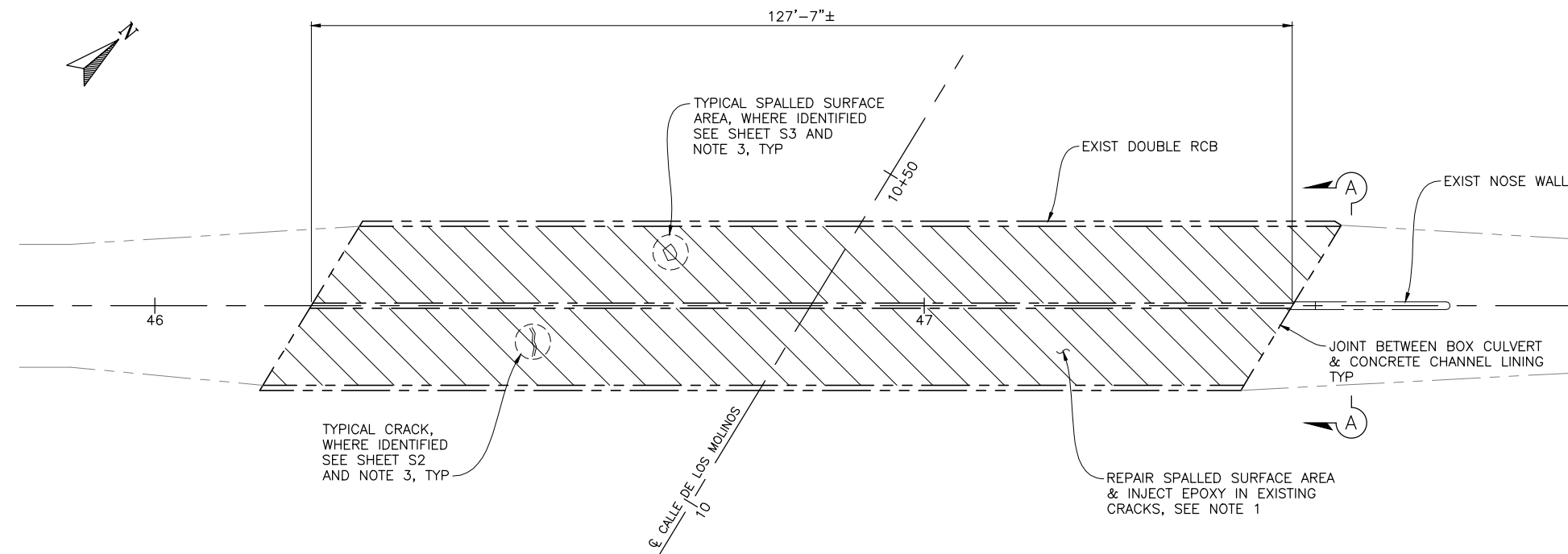
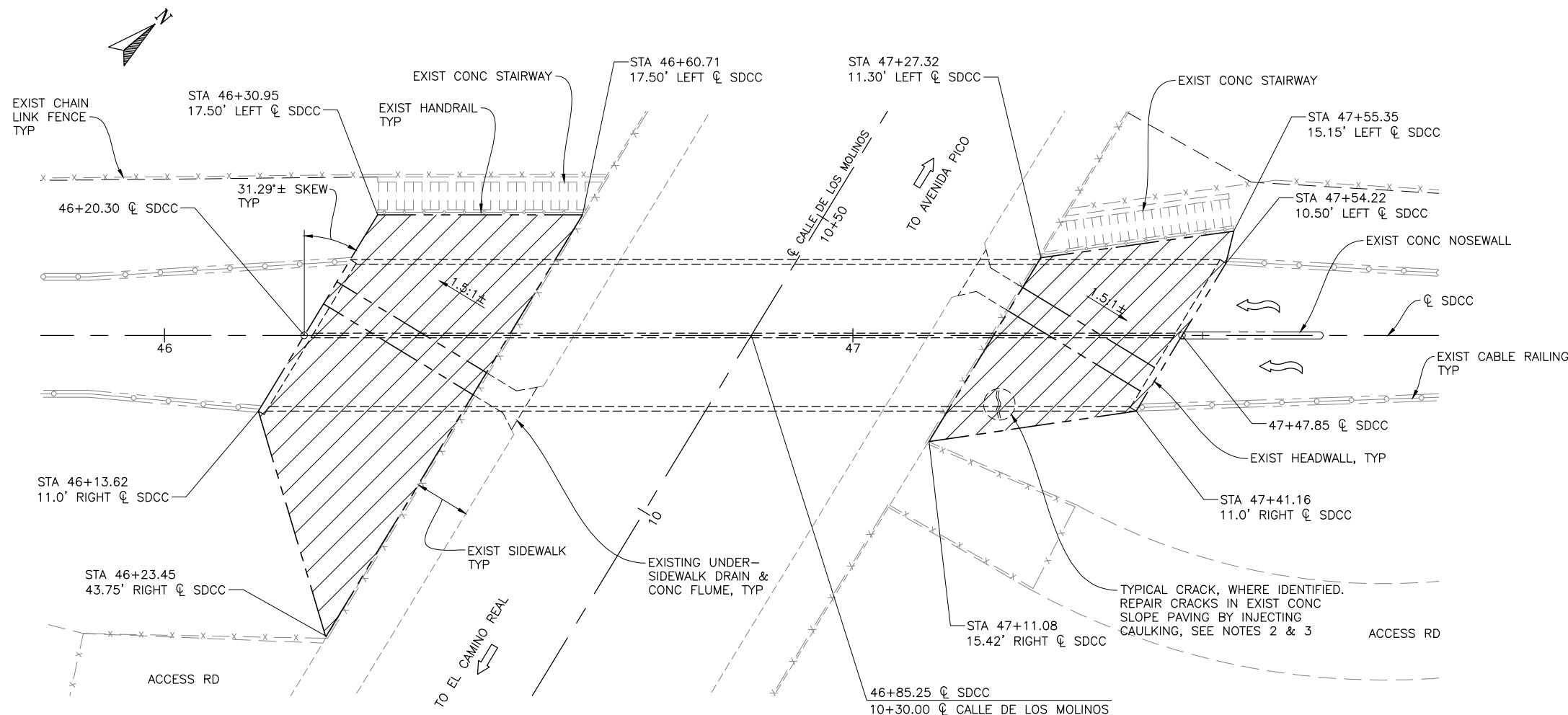






**PLAN - RCB**  
SCALE: 1"=10'



**PLAN - SLOPE PAVING**  
SCALE: 1"=10'

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

## LEGEND

- LIMITS OF EXISTING CONCRETE BOX CULVERT SOFFIT SLAB
- LIMITS OF EXISTING CONCRETE SLOPE PAVING
- INDICATES EXISTING
- DIRECTION OF FLOW

## ABBREVIATIONS

SDCC SEGUNA DESCECHA CAÑADA CHANNEL

## NOTES:

- REPAIR SPALLED SURFACE AREAS AND INJECT EPOXY IN EXISTING CRACKS WITHIN THE LIMITS OF EXISTING BOX CULVERT SOFFIT SLAB.
- INJECT CONCRETE SEALANT CAULKING IN ALL CRACKS 0.050" WIDE OR GREATER WITHIN THE LIMITS OF EXISTING CONCRETE SLOPE PAVING. SEE SPECIFICATIONS SECTION F-46.
- FINAL LIMITS OF REPAIR SPALLED SURFACE AREA, INJECT CRACK (EPOXY) AND INJECT CRACK (SEALANT) TO BE ESTABLISHED DURING CONSTRUCTION.
- FOR VIEW A-A, SEE SHEET S2.
- FOR SPALL REPAIR DETAILS, SEE SHEET S3.
- FOR INJECT CRACK DETAILS, SEE SHEET S2.
- PROVIDE TRAFFIC CONTROL PER SPECIFICATION F-3.

## QUANTITIES

| ITEM                        | QUANTITY |
|-----------------------------|----------|
| INJECT CRACK (EPOXY)        | 450 LF   |
| INJECT CRACK (SEALANT)      | 160 LF   |
| REPAIR SPALLED SURFACE AREA | 600 SQFT |



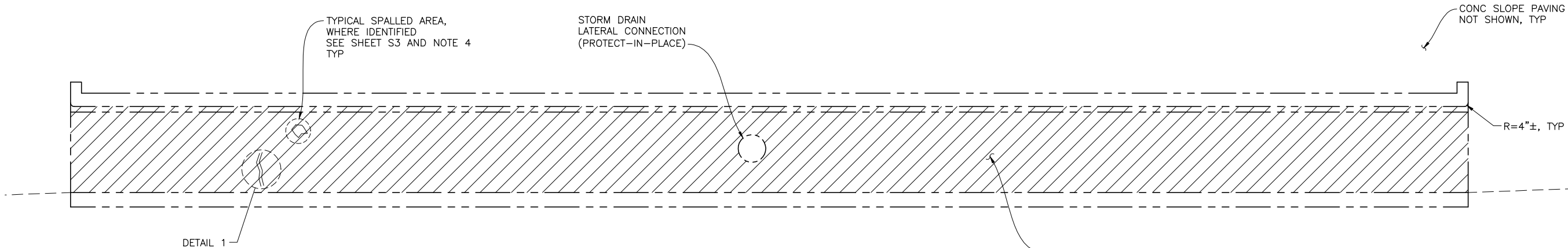
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| PREPARED UNDER THE RESPONSIBLE CHARGE OF:      | DATE    |
| MARK STILLER<br>C 79935<br>STATE OF CALIFORNIA | 4/04/19 |

|                                                                         |                                                                             |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| DESIGNED BY:<br>M. STILLER                                              | CHECKED BY:<br>M. CHAR                                                      |
| DRAWN BY:<br>R. ANDRASEK                                                | DRAWING CODE:                                                               |
| COUNTY OF ORANGE<br>OC PUBLIC WORKS                                     | FILE NAME:<br>22362 GILBERTO<br>RANCHO SANTA MARGARITA<br>CALIFORNIA, 92688 |
| CALLE DE LOS MOLINOS RCB<br>PREVENTATIVE MAINTENANCE<br>Br. No. 55C0399 | PLOT DATE: 4/4/19<br>SCALE: AS SHOWN                                        |

|              |
|--------------|
| GENERAL PLAN |
|--------------|

|                              |
|------------------------------|
| Sheet<br>Reference<br>Number |
| <b>S1</b>                    |
| Sheet 2 of 4                 |



### LONGITUDINAL VIEW INSIDE RCB

SCALE: 1"=5'  
LEFT WALL SHOWN, CENTER & RIGHT WALL SIMILAR)

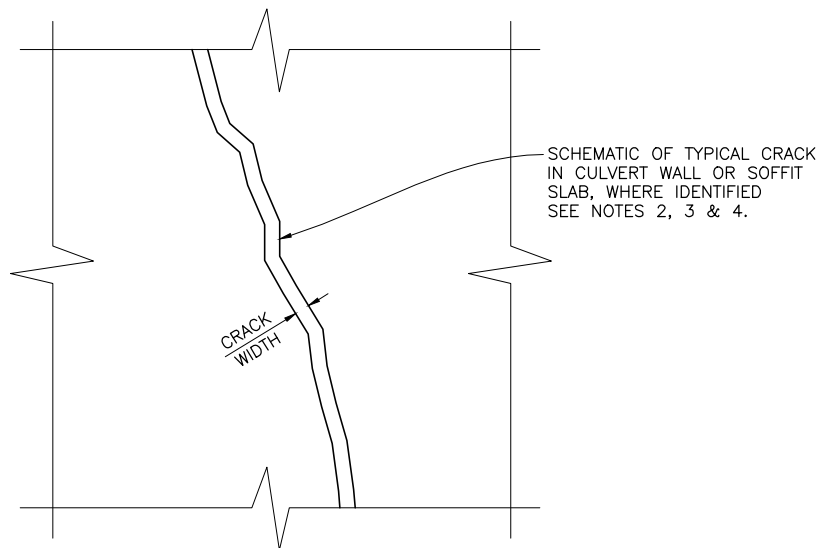
REPAIR SPALLED SURFACE AREA & INJECT EPOXY IN EXISTING CRACKS, SEE NOTES 2 & 3.

### LEGEND

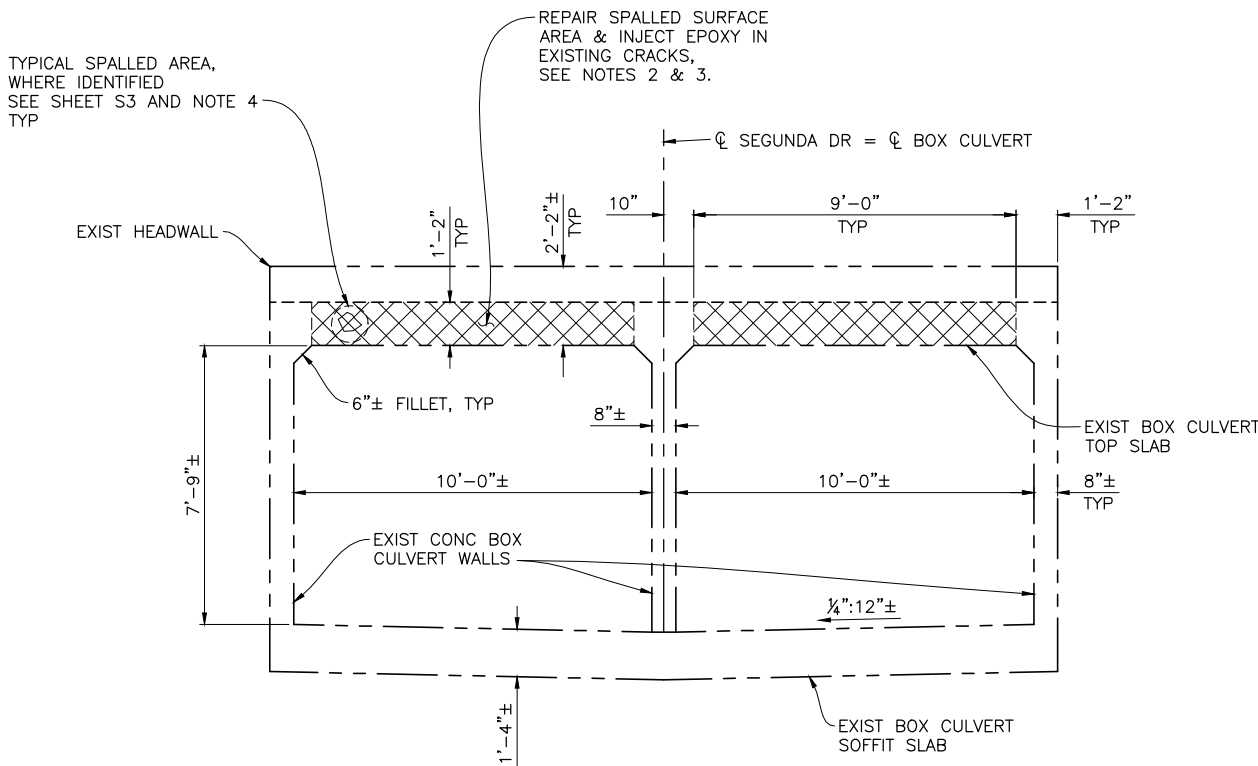
-  LIMITS OF EXISTING CONCRETE BOX CULVERT WALL FACE
-  LIMITS OF EXISTING CONCRETE BOX CULVERT TOP SLAB FACE
- INDICATES EXISTING

### NOTES:

1. REPAIR SPALLED SURFACE AREA & INJECT EPOXY IN EXISTING CRACKS WITHIN THE LIMITS OF EXISTING BOX CULVERT WALL FACE & EXISTING CONCRETE BOX CULVERT TOP SLAB FACE.
2. INJECT EPOXY INTO CRACKS HAVING A CRACK WIDTH OF 0.050" OR GREATER. IF CRACKS HAVE A CRACK WIDTH 0.050" OR GREATER AND ALSO HAVE PORTIONS LESS THAN 0.050" IN WIDTH, INJECT EPOXY IN ALL PORTIONS OF THE CRACK DOWN TO 0.010" IN WIDTH. SEE SPECIFICATION F-45.
3. FOR CRACKS GREATER THAN 0.250" IN WIDTH, CONSIDER AS A SPALL AND REPAIR PER DETAILS ON "SPALL REPAIR DETAILS" SHEET.
4. FINAL LIMITS OF REPAIR SPALLED SURFACE AREA AND INJECT CRACK (EPOXY) TO BE ESTABLISHED DURING CONSTRUCTION.



**DETAIL 1**  
SCALE: 3/8"=1'-0"



**VIEW A-A**  
**RCB NORTH SECTION**  
SCALE: 3/8"=1'-0"  
(NOSE WALL NOT SHOWN FOR CLARITY)



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PREPARED UNDER THE RESPONSIBLE CHARGE OF:

REGISTERED CIVIL ENGINEER  
MARK STILLER  
C 79935  
Exp. 08/30/20  
STATE OF CALIFORNIA

4/04/19  
DATE

*Mark Stiller*

|                                     |                                                                                        |                                                       |                    |
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| DESIGNED BY:<br>M. STILLER          | CHECKED BY:<br>R. ANDRASEK                                                             | DRAWN BY:<br>M. CHAR                                  | DRAWING CODE:      |
| COUNTY OF ORANGE<br>OC PUBLIC WORKS | NCM ENGINEERING CORP.<br>22362 GILBERTO<br>RANCHO SANTA MARGARITA<br>CALIFORNIA, 92688 | FILE NAME:<br>03 LOS MOLINOS.DWG<br>PLOT DATE: 4/4/19 | SCALE:<br>AS SHOWN |

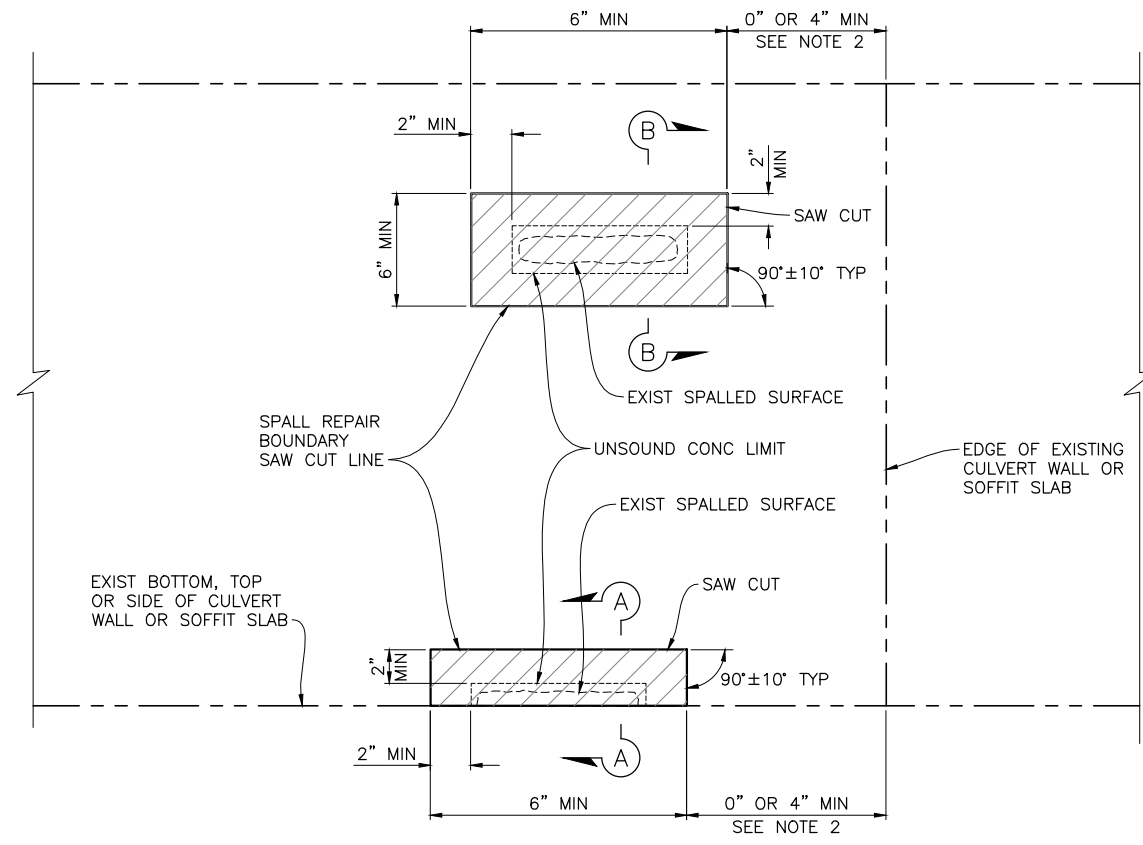
CALLE DE LOS MOLINOS RCB  
PREVENTATIVE MAINTENANCE  
Br. No. 55C0399

**MISCELLANEOUS  
DETAILS**

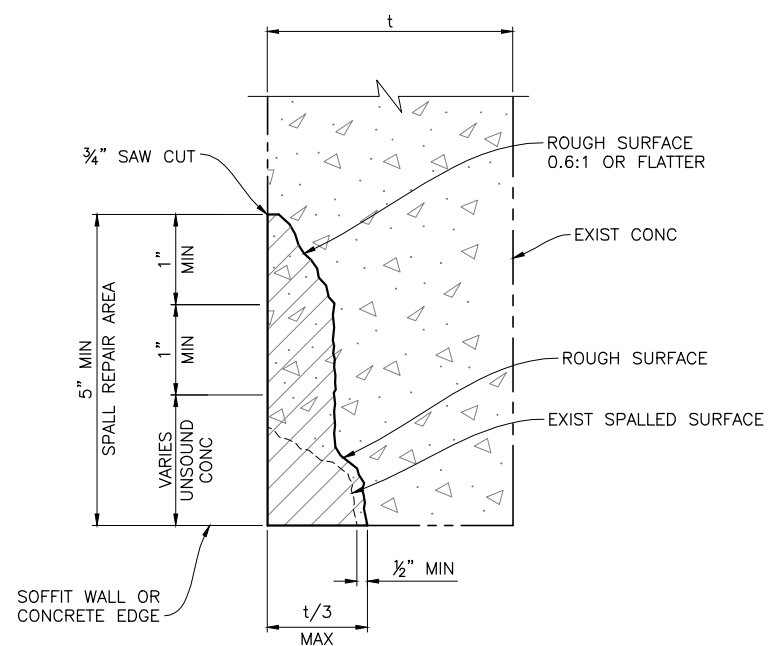
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**S2**

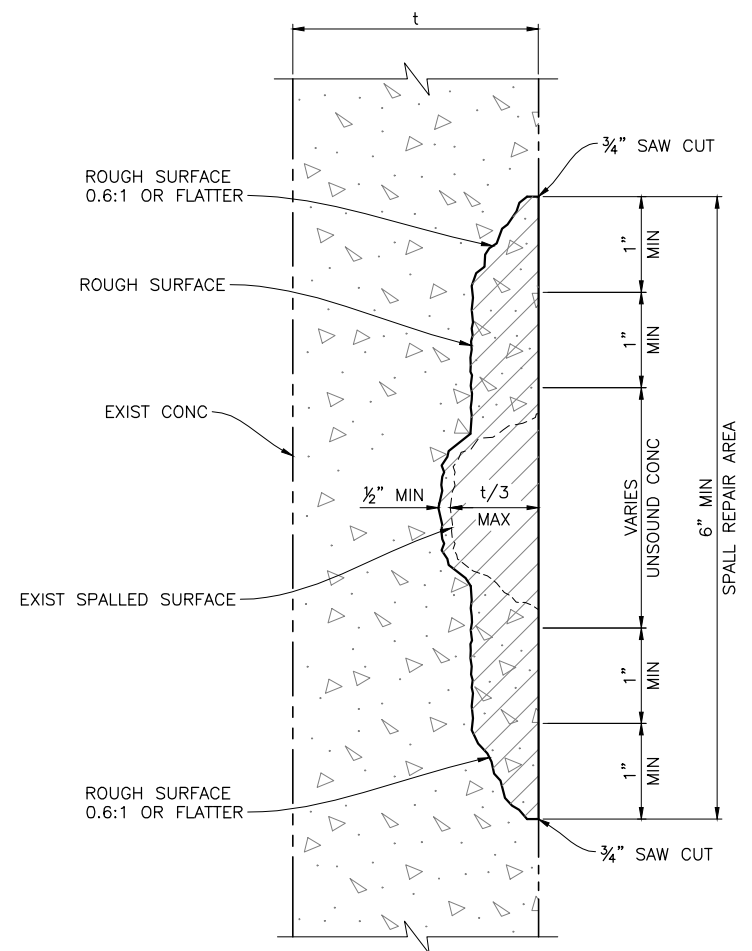
Sheet 3 of 4



**ELEVATION**  
NO SCALE



**SECTION A-A**  
**JOINT, CRACK OR EDGE OF CONCRETE REPAIR**  
NO SCALE



**SECTION B-B**  
**MISCELLANEOUS SPALL REPAIR**  
NO SCALE

**LEGEND**

- MORTAR SPALL REPAIR
- INDICATES EXISTING

**NOTES:**

- SEE "GENERAL PLAN" SHEET FOR SPALL REPAIR LOCATIONS. SEE SPECIFICATION F-47.
- IF SPALL REPAIR AREA IS LESS THAN 4" FROM AN EDGE, EXTEND THE REPAIR TO THE JOINT.
- PROTECT EXISTING REINFORCING IN-PLACE. WHEN DAMAGED REINFORCEMENT IS FOUND, REPLACE AS SHOWN IN "TYPICAL SPALL REPAIR WITH BAR REINFORCEMENT REPLACEMENT" DETAIL.

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



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PREPARED UNDER THE RESPONSIBLE CHARGE OF:

4/04/19 DATE

*Mark Stiller*

|                                     |                                                                                        |                                  |
|-------------------------------------|----------------------------------------------------------------------------------------|----------------------------------|
| DESIGNED BY:<br>M. STILLER          | CHECKED BY:<br>M. CHAR                                                                 | FILE NAME:<br>04 LOS MOLINOS.DWG |
| DRAWN BY:<br>R. ANDRASEK            | DRAWING CODE:                                                                          | PLOT DATE: SCALE: AS SHOWN       |
| COUNTY OF ORANGE<br>OC PUBLIC WORKS | NCM ENGINEERING CORP.<br>22362 GILBERTO<br>RANCHO SANTA MARGARITA<br>CALIFORNIA, 92688 |                                  |

CALLE DE LOS MOLINOS RCB  
PREVENTATIVE MAINTENANCE  
Br. No. 55C0399

**SPALL REPAIR  
DETAILS**

Sheet  
Reference  
Number

**S3**

Sheet 4 of 4