

County of Orange CPublicWorks

SANTA ANA, CALIFORNIA
SHANE L. SILSBY, DIRECTOR

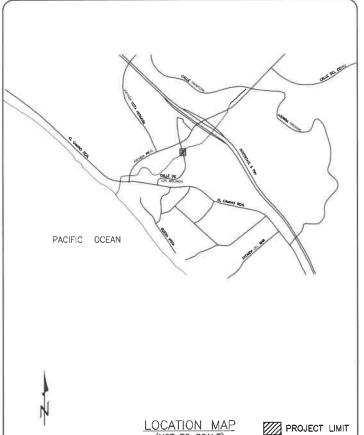
PLANS FOR CONSTRUCTION OF

CALLE DE LOS MOLINOS OVER SEGUNDA DESECHA CAÑADA CHANNEL (MO2) BRIDGE PREVENTATIVE MAINTENANCE

BR. No. 55C0399

W.O. NO. ER 20561 APRIL 2019

FUNDED BY: SENATE BILL 1(SB-1)
MAINTAINED BY: COUNTY OF ORANGE



2015 CALTRANS STANDARD PLANS

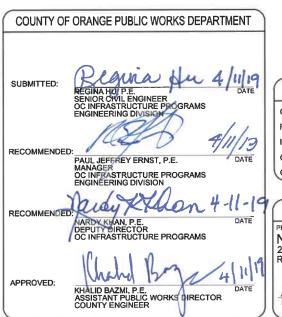
A3A ABBREVIATIONS (SHEET 1 OF 3)
A3B ABBREVIATIONS (SHEET 2 OF 3)
A3C ABBREVIATIONS (SHEET 3 OF 3)

GENERAL NOTES:

CONTACT DIGALERT AT 1(800)422-4133 BEFORE BEGINNING WORK.

ALL NATIVE BIRDS ARE PROTECTED FROM DISTURBANCE WHILE NESTING. AS FAR AS POSSIBLE, CONSTRUCTION ACTIVITIES SHOULD TAKE PLACE OUTSIDE OF THE BIRD NESTING SEASON (FEBRUARY 1ST THROUGH SEPTEMBER 15TH). HOWEVER, IF OTHER RESTRICTIONS MAKE IT IMPOSSIBLE TO AVOID THE NESTING SEASON, THE REGULATORY PERMITTING TEAM AT OCPW MUST BE CONTACTED TO ARRANGE FOR PRE-CONSTRUCTION NESTING BIRD SURVEYS OF THE CONSTRUCTION AREAS AT LEAST 7 DAYS BEFORE THE START OF WORK. DISTURBANCE TO ANY ACTIVE NESTS MUST BE AVOIDED. CONSTRUCTION ACTIVITY WITHIN 300 FEET OF AN ACTIVE NEST [500 FEET FOR RAPTORS] SHOULD BE DELAYED UNTIL THE NEST IS NO LONGER ACTIVE, OR OTHERWISE APPROVED BY THE REGULATORY PERMITTING TEAM OR THEIR REPRESENTATIVE.

ANY CRACKS OR CREVICES, VOIDS OR HOLES IN BRIDGES, TREES, BUILDINGS OR OTHER STRUCTURES HAVE THE POTENTIAL TO SUPPORT ROOSTING BATS. THE REGULATORY PERMITTING TEAM MUST BE CONTACTED AT LEAST 7 DAYS BEFORE THE START OF WORK TO CONDUCT A BAT SURVEY.



RECORD DRAWING

CONTRACTOR:
RESIDENT ENGINEER:
INSPECTOR:
CONSTRUCTION START DATE:
CONSTRUCTION COMPLETION DATE:

PREPARED BY

PREPARED UNDER RESPONSIBLE CHARGE OF:
NCM ENGINEERING CORP.
22362 GILBERTO
RANCHO SANTA MARGARITA, CA 92688

NO. DESCRIPTION SHT. APPROVED DATE

REVISIONS

INDEX OF SHEETS

DESCRIPTION
TITLE SHEET

GENERAL PLAN

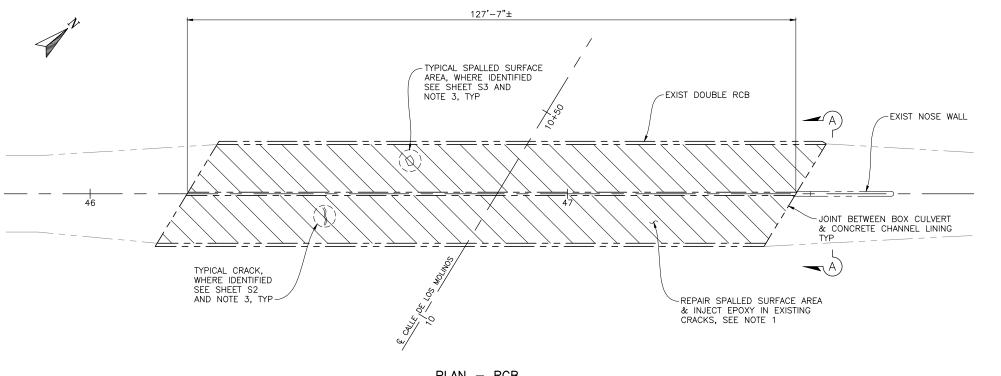
MISCELLANEOUS DETAILS

SPALL REPAIR DETAILS

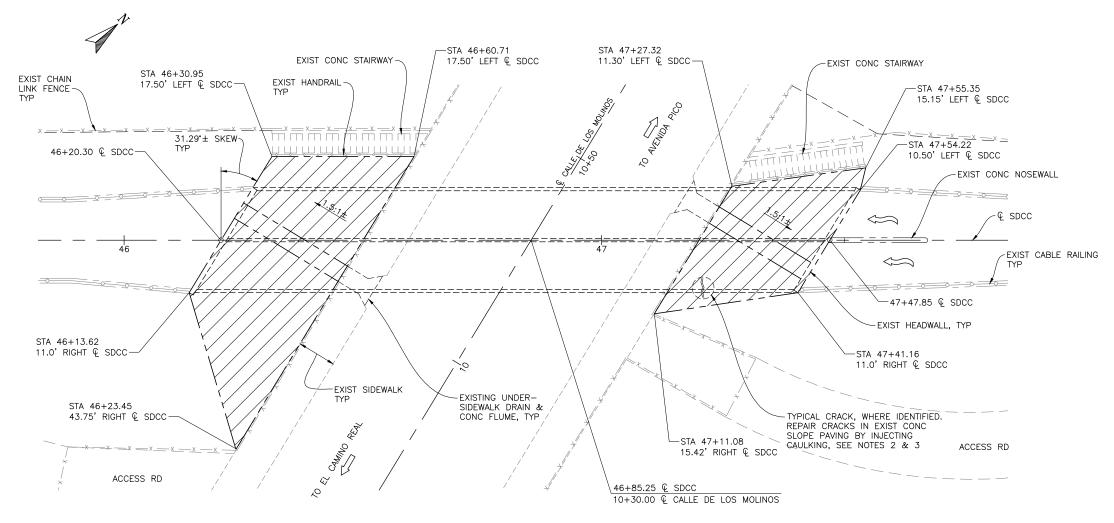
S2

S3

W. O. NO. <u>ER 20561</u> DWG. NO. <u>T1</u> SHEET 1 OF 4







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 EXSITING 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
- FINAL LIMITS OF REPAIR SPALLED SURFACE AREA, INJECT CRACK (EPOXY) AND INJECT CRACK (SEALANT) TO BE ESTABLISHED DURING CONSTRUCTION.
- 4. FOR VIEW A-A, SEE SHEET S2.
- 5. FOR SPALL REPAIR DETAILS, SEE SHEET S3.
- 6. FOR INJECT CRACK DETAILS, SEE SHEET S2.
- 7. PROVIDE TRAFFIC CONTROL PER SPECIFICATION F-3.

QUANTITIES

ITEM		QUAN	TITY
INJECT CRACK	(EPOXY)	450	LF
INJECT CRACK	(SEALANT)	160	LF
REPAIR SPALL	ED SURFACE AREA	600	SQFT







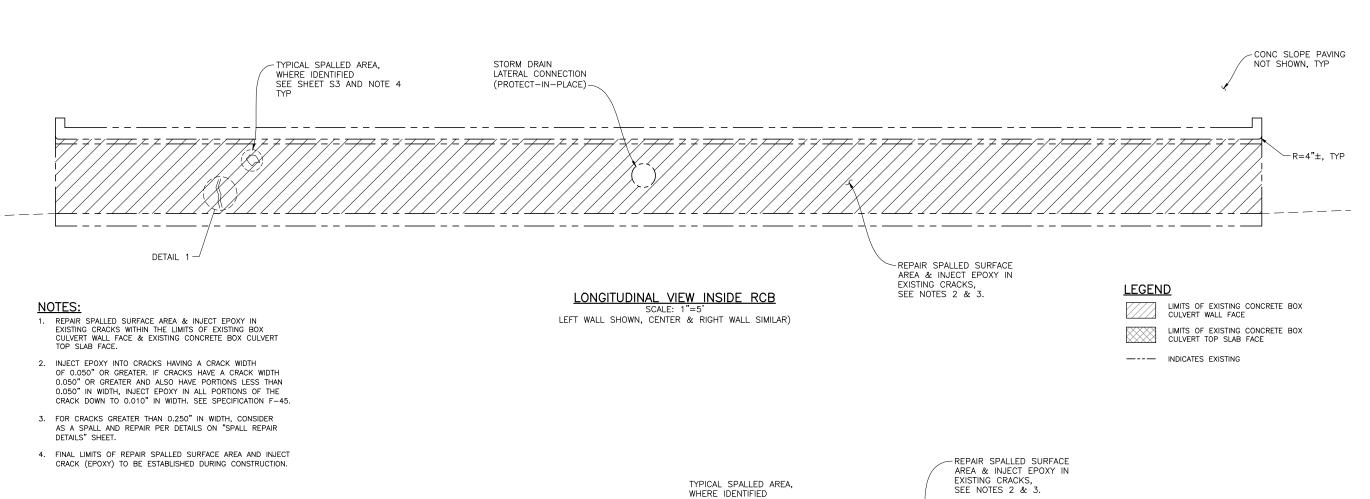
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	R. ANDRASEK M. CHAR	M. CHAR
NCM ENGINEERING CORP. DRAWING CODE:	DRAWING CC	OE:
22362 GII BEPTO		
PANCHO SANTA MARGARITA	FILE NAME:	
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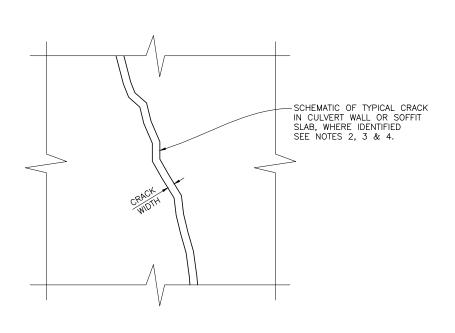
PLAN CALLE DE LOS MOLINOS F PREVENTATIVE MAINTENAN Br. No. 55C0399 GENERAL

> Reference Number

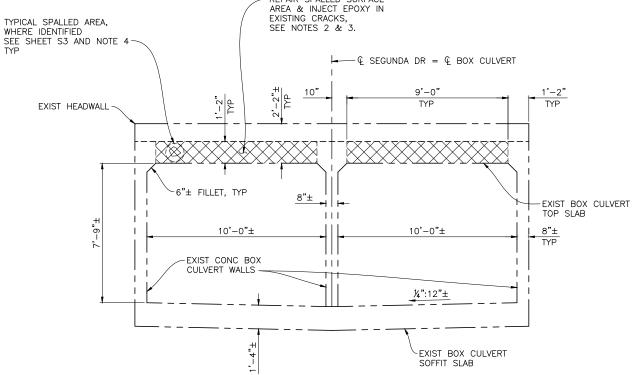
Sheet 2 of 4

PLAN — SLOPE PAVING
SCALE: 1"=10"





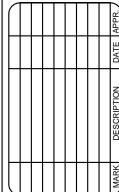




VIEW A-A RCB NORTH SECTION SCALE: §"=1'-0"

(NOSE WALL NOT SHOWN FOR CLARITY)







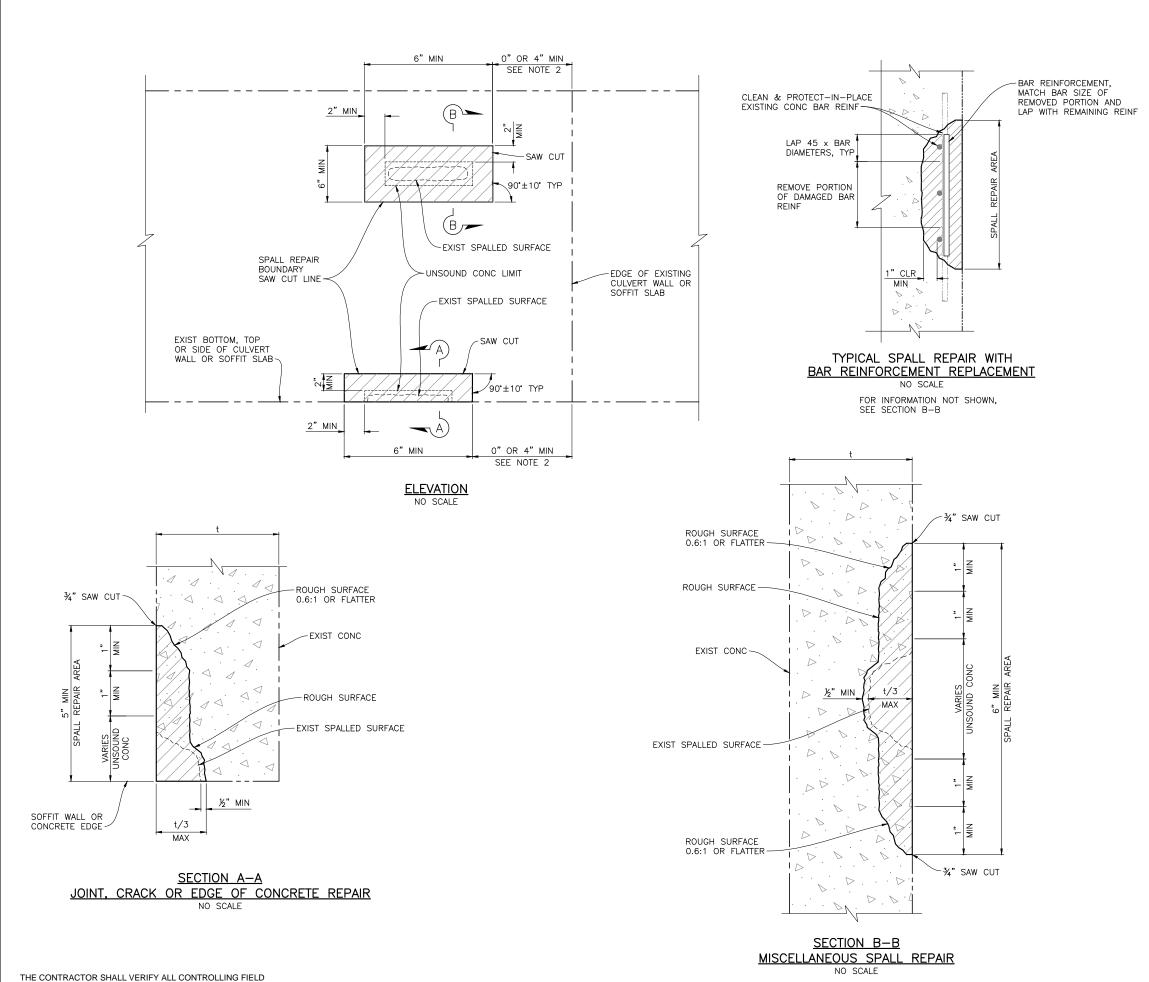
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KINIA, 92688	PLOT DATE: SCALE:	SCALE:

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

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Sheet 3 of 4



DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

LEGEND

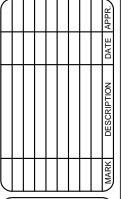
MORTAR SPALL REPAIR

--- 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.







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COUNTY OF ORANGE M. STILLER	OC PUBLIC WORKS DRAWN BY: CHECKED		NCM ENGINEERING CORP. DRAWING CODE:	FILE NAME: FILE NAME: ON INCORPOSATION OS. DWG	CALIFURINIA, 92000
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CALLE DE LOS MOLINOS RCB PREVENTATIVE MAINTENANCE Br. No. 55C0399 SPALL REPAIR DETAILS

> Sheet Reference Number

S3

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