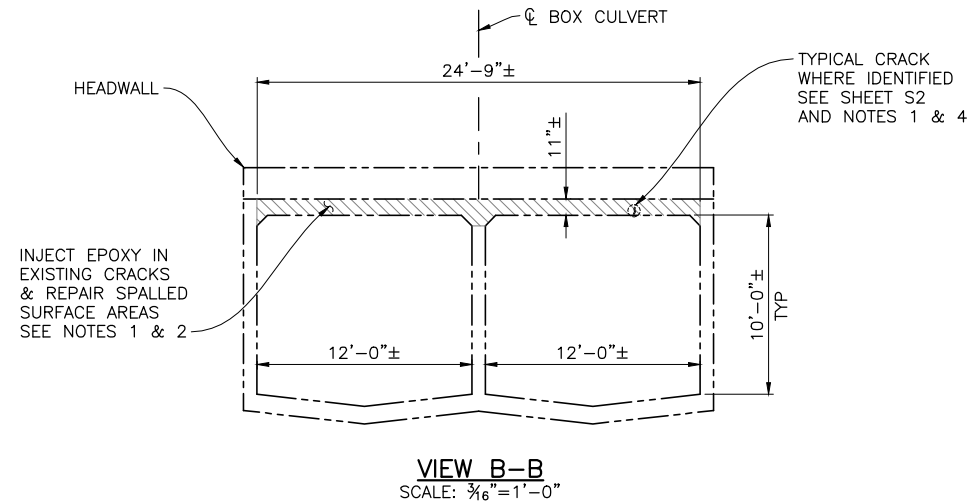
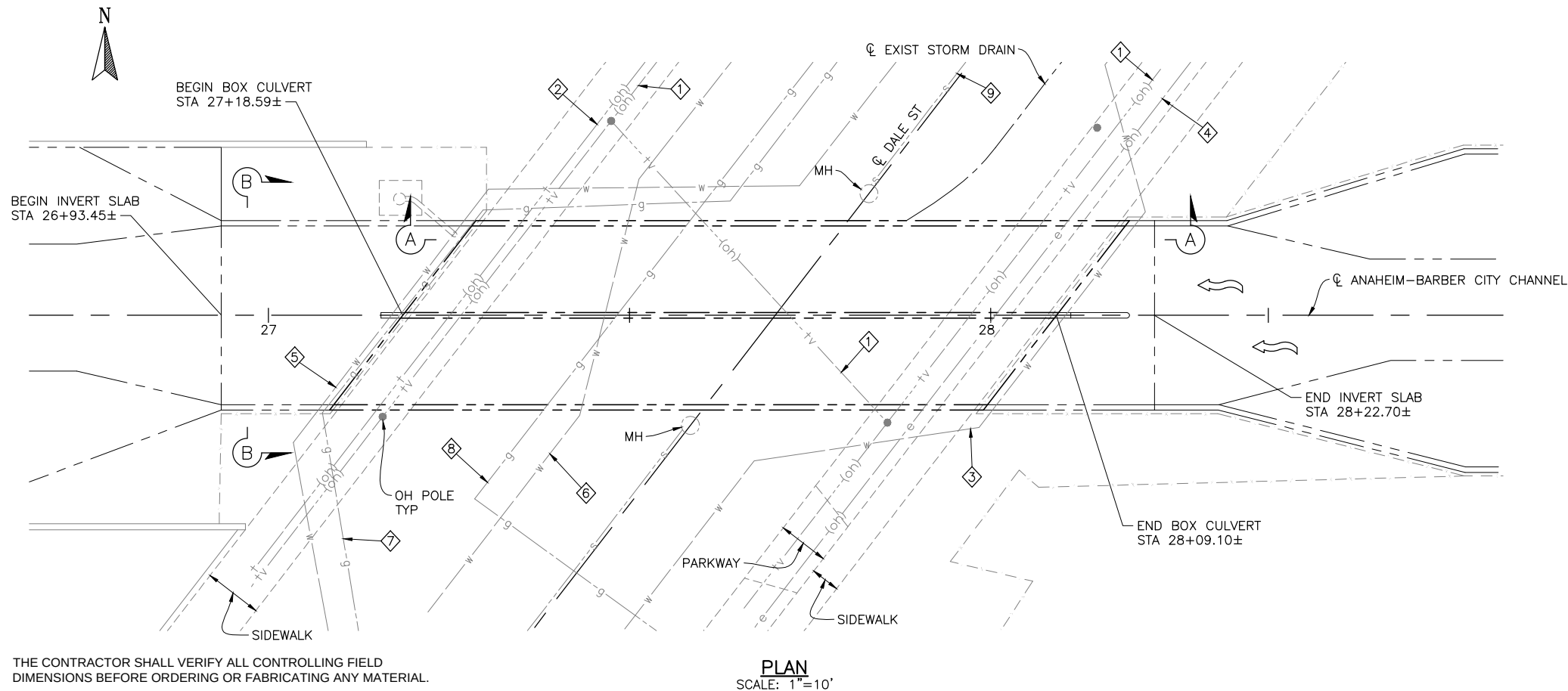
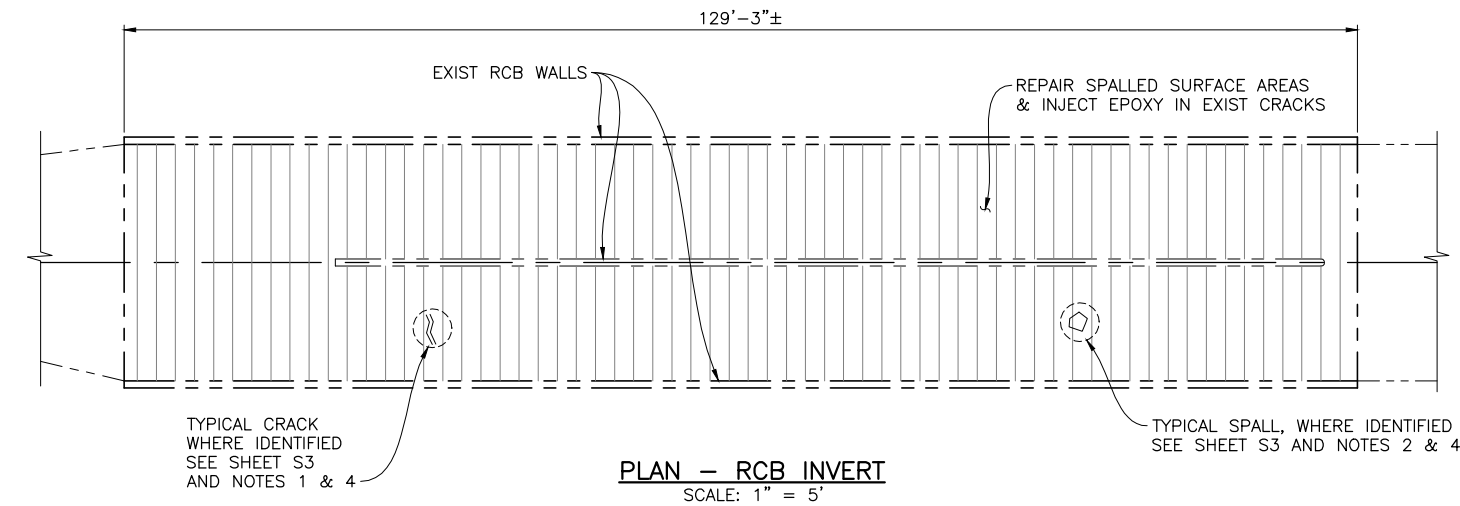
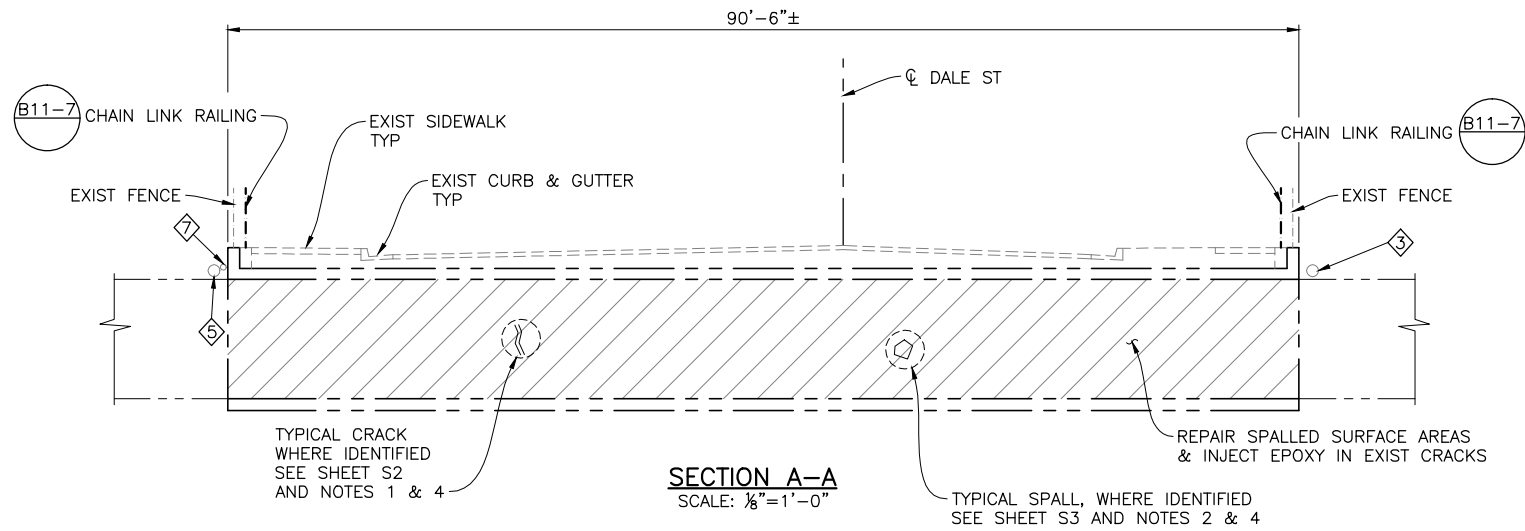
 PROJECT LIMIT

UTILITY OWNER	CONTACT	PHONE NO.
CHARTER COMMUNICATIONS	DON SIMONS	(714) 591-4871
AT&T DISTRIBUTION	SUSAN BLACKBURN	(714) 507-3526
SOUTHERN CALIFORNIA GAS DISTRIBUTION	HAU TSAN	(213) 231-7132
CITY OF GARDEN GROVE PUBLIC WORKS	ALECIA HOFER	(714) 741-5887
SCG TRANSMISSION	MIKE CAMPISI	(213) 231-6081
SCE	JUST ARTINO	(714) 973-5488

[illegible]

W. O. NO. ER 20562
DWG. NO. T1

SHEET 1 OF 4



LEGEND

- LIMITS OF CONCRETE BOX CULVERT TOP SLAB FACE
- LIMITS OF EXISTING CONCRETE BOX CULVERT WALLS
- LIMITS OF EXISTING CONCRETE BOX CULVERT INVERT SLAB
- INDICATES EXISTING
- DIRECTION OF FLOW

NOTES:

- INJECT EPOXY IN EXISTING CRACKS WITHIN LIMITS OF EXISTING CONCRETE BOX CULVERT WALLS & CONCRETE BOX CULVERT TOP SLAB FACE.
- REPAIR SPALLED SURFACE AREAS WITHIN THE LIMITS OF EXISTING CONCRETE BOX CULVERT & TOP SLAB FACE.
- PROTECT-IN-PLACE ALL EXISTING UTILITIES.
- FINAL LIMITS OF REPAIR SPALLED SURFACE AREA AND INJECT CRACK (EPOXY) TO BE ESTABLISHED DURING CONSTRUCTION.
- FOR CHAIN LINK FENCE DETAILS, SEE SHEET S2.
- FOR SPALL AND CRACK REPAIR DETAILS, SEE SHEET S3.
- PROVIDE TRAFFIC CONTROL PER SPECIFICATION F-3.

QUANTITIES

ITEM	QUANTITY
DRILL & BOND DOWEL	11 LF
BAR REINFORCING STEEL	110 LB
INJECT CRACK (EPOXY)	300 LF
REPAIR SPALLED SURFACE AREA	20 SQFT
PAINT HEADWALL	52 SQFT
CHAIN LINK RAILING	90 LF

UTILITIES

- 1 OVERHEAD TV (CHARTER COMMUNICATIONS)
- 2 OVERHEAD TEL (AT&T)
- 3 18"Ø CONC ENCASED WATER (CITY OF GARDEN GROVE)
- 4 OVERHEAD ELECTRIC (SCE)
- 5 16"Ø CONC ENCASED WATER (CITY OF GARDEN GROVE)
- 6 6"Ø WATER (CITY OF GARDEN GROVE)
- 7 3"Ø GAS (SO CAL GAS DISTRIBUTION)
- 8 8"Ø HP GAS (SO CAL GAS TRANSMISSION)
- 9 8"Ø SEWER (CITY OF GARDEN GROVE)



MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

REGISTERED CIVIL ENGINEER
MARK STILLER
No. C 79935
Exp. 03/30/20
STATE OF CALIF.

4/04/19
DATE

Mark Stiller

DESIGNED BY: M. STILLER	CHECKED BY: R. ANDRASEK	M. CHAR
COUNTY OF ORANGE OC PUBLIC WORKS	NCM ENGINEERING CORP. 22362 GILBERTO RANCHO SANTA MARGARITA CALIFORNIA, 92688	FILE NAME: 02 DALE ST.DWG PLOT DATE: 4/4/19 SCALE: AS SHOWN

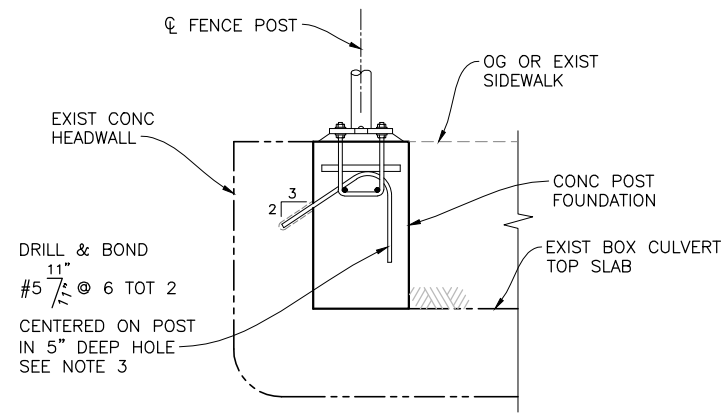
DALE STREET OVER ANAHEIM
BARBER CITY CHANNEL (E01)
PREVENTATIVE MAINTENANCE
Br. No. 55C0404

GENERAL PLAN

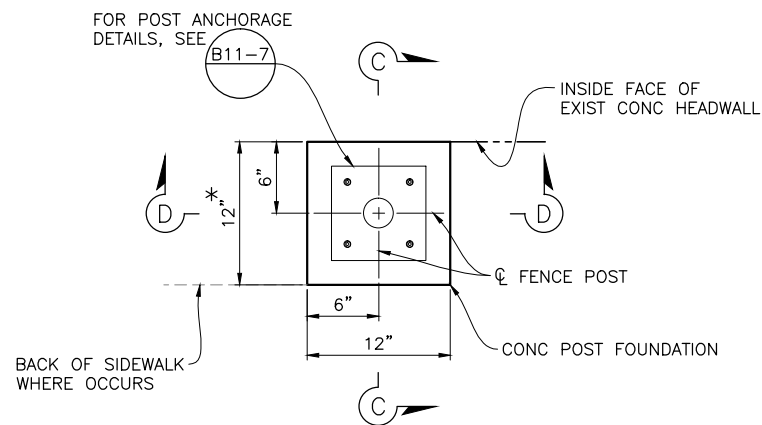
Sheet
Reference
Number

S1

Sheet 2 of 4

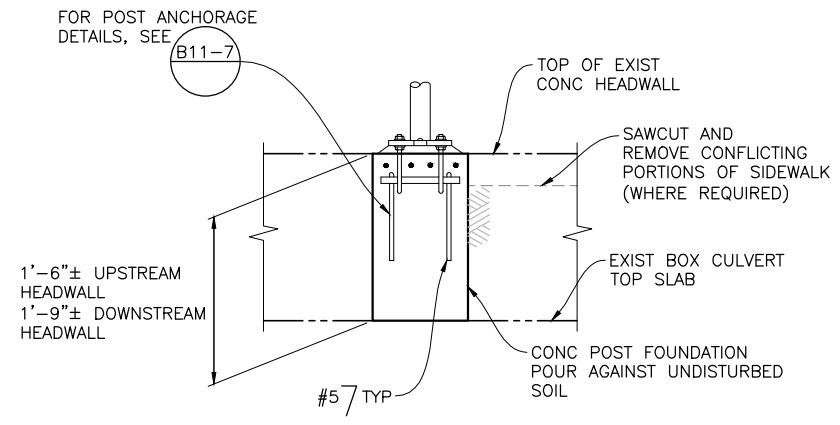


SECTION C-C
SCALE: 1"=1'-0"

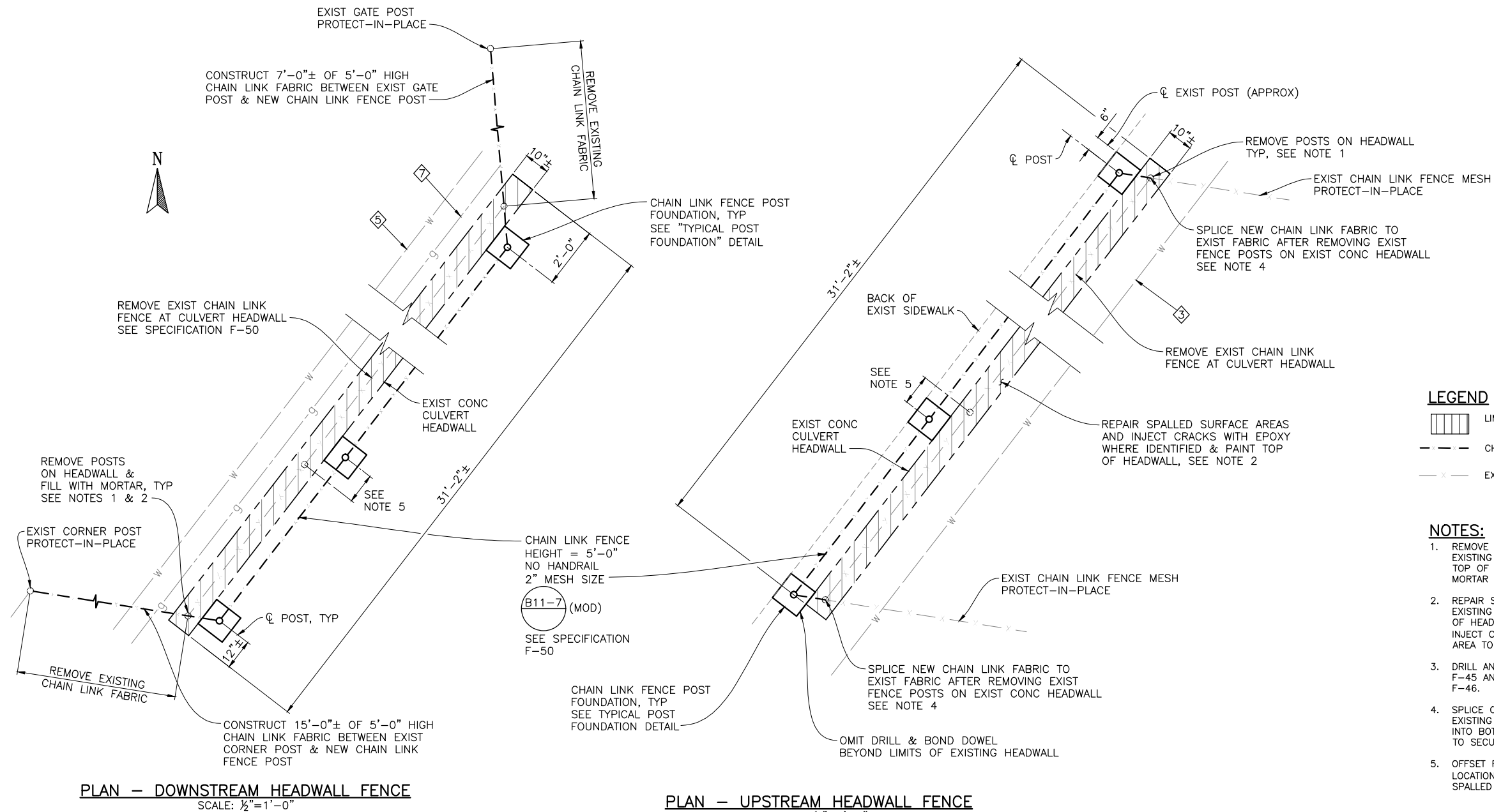


TYPICAL POST FOUNDATION
SCALE: 1 1/2"=1'-0"

* AT UPSTREAM HEADWALL, ADJUST DIMENSION AS NEEDED TO MEET BACK OF EXIST SIDEWALK



SECTION D-D
SCALE: 1"=1'-0"



PLAN - DOWNSTREAM HEADWALL FENCE
SCALE: 1/2"=1'-0"

PLAN - UPSTREAM HEADWALL FENCE
SCALE: 1/2"=1'-0"

LEGEND

- LIMITS OF TOP OF HEADWALL
- CHAIN LINK FENCE MESH
- EXISTING CHAIN LINK FENCE MESH

NOTES:

- REMOVE EXISTING FENCE POSTS FLUSH WITH TOP OF EXISTING CONCRETE HEADWALL & GRIND SMOOTH. PAINT TOP OF HEADWALL AFTER POST REMOVAL, POST HOLE MORTAR FILL AND CRACK REPAIR WORK IS COMPLETE.
- REPAIR SPALLED SURFACE AREAS AND INJECT CRACKS IN EXISTING HEADWALL WITH EPOXY WITHIN THE LIMITS OF TOP OF HEADWALL. SEE SPECIFICATION F-47. FINAL LIMITS OF INJECT CRACK (EPOXY) AND REPAIR SPALLED SURFACE AREA TO BE ESTABLISHED DURING CONSTRUCTION.
- DRILL AND BOND DOWEL ACCORDING TO SPECIFICATION F-45 AND PLACE BAR REINFORCING UNDER SPECIFICATION F-46.
- SPLICE OR JOIN CHAIN LINK FABRIC WITHOUT CUTTING THE EXISTING OR NEW FABRIC. WEAVE AN INDIVIDUAL SPIRAL INTO BOTH SIDES OF SPLICE THEN BEND TOP AND BOTTOM TO SECURE.
- OFFSET FENCE POST LOCATIONS FROM EXISTING POST LOCATIONS BY 1'-0" MINIMUM AND AS-NEEDED TO AVOID SPALLED AREAS OF EXISTING HEADWALL.

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



MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

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

DATE: 4/04/19

Mark Stiller

DESIGNED BY: M. STILLER	CHECKED BY: R. ANDRASEK	DRAWING CODE: M. CHAR
COUNTY OF ORANGE OC PUBLIC WORKS	FILE NAME: 03 DALEST.DWG	PLOT DATE: 4/4/19
DALE STREET OVER ANAHEIM BARBER CITY CHANNEL (E01) PREVENTATIVE MAINTENANCE Br. No. 55C0404	NCM ENGINEERING CORP. 22362 GILBERTO RANCHO SANTA MARGARITA CALIFORNIA, 92688	SCALE: AS SHOWN

**CHAIN LINK FENCE
DETAILS**

Sheet
Reference
Number

S2

Sheet 3 of 4

