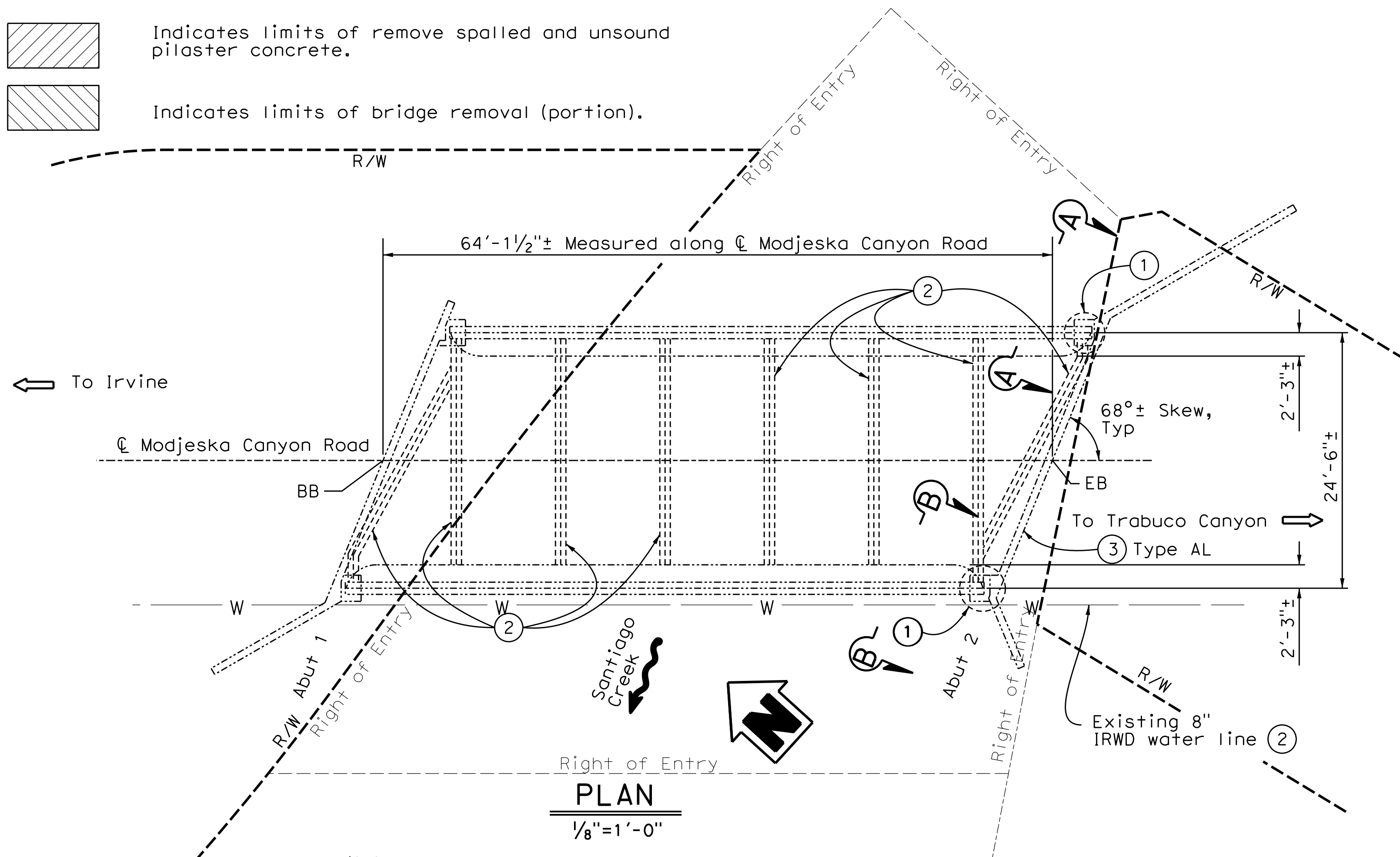


LEGEND

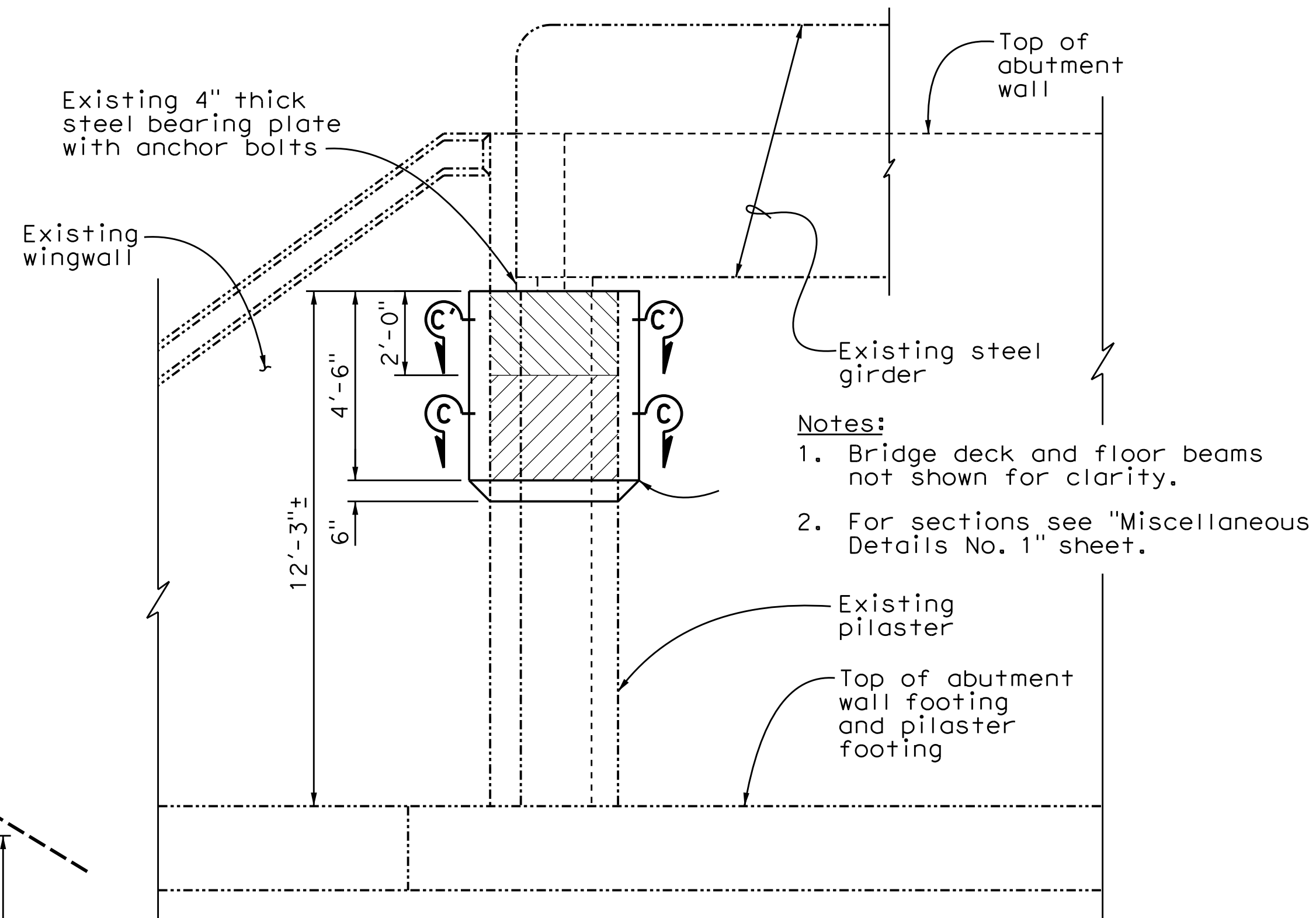
- Indicates Existing.
- Indicates direction of traffic.
- ~ Indicates direction of flow.
- ① Remove spalled and unsound pilaster concrete and repair pilaster.
- ② Protect in place
- ③ Clean expansion joint and replace joint seal per Special Provisions.
- ▨ Indicates limits of remove spalled and unsound pilaster concrete.
- ▨ Indicates limits of bridge removal (portion).



Notes:

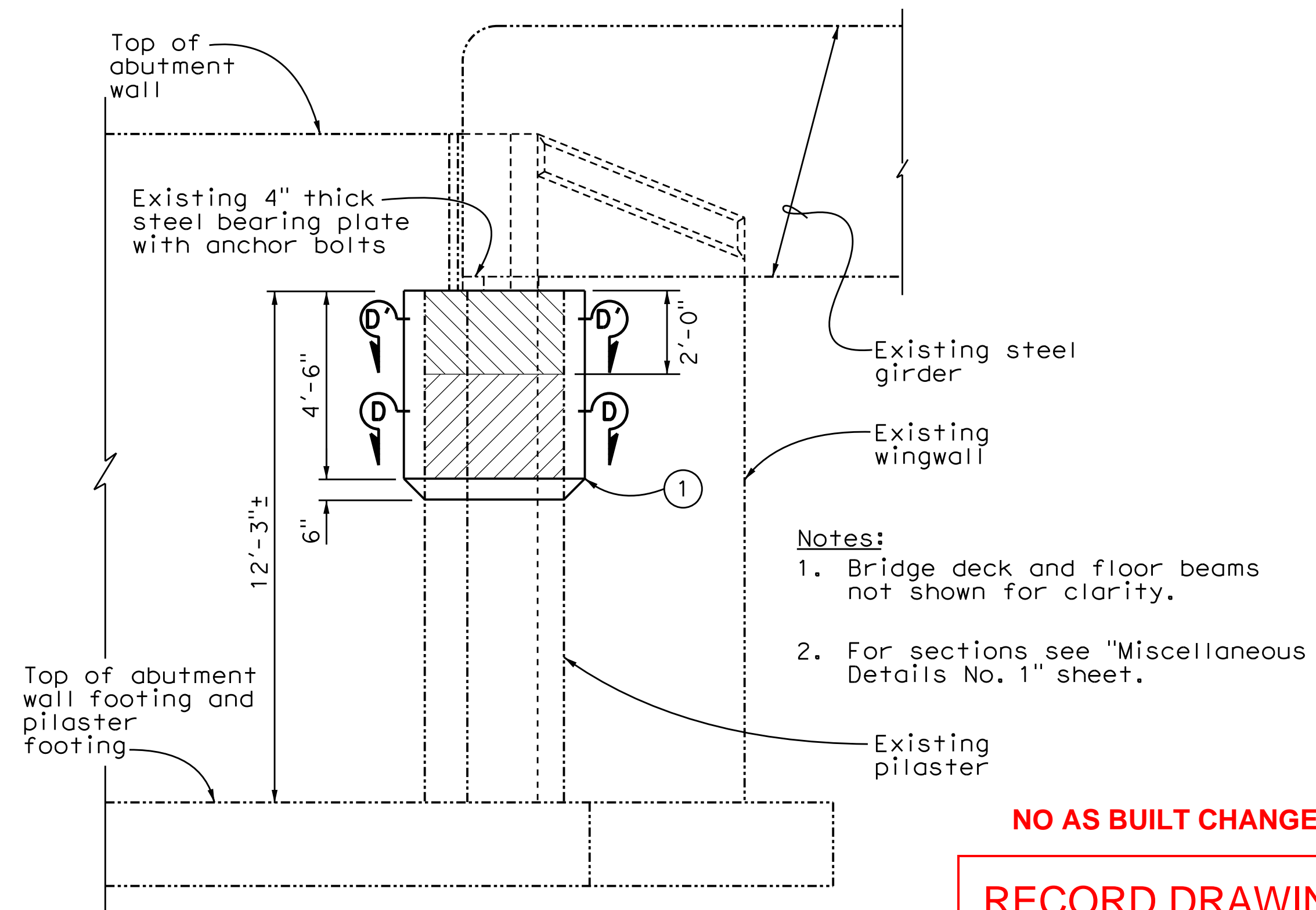
- Existing pilaster vertical reinforcement.
- Provide bridge temporary support during pilaster repair prior to any concrete removal. Vertical reaction loads at each existing pilaster bearing plate are:
Unfactored Dead Load = 85 kips
Unfactored HL-93 Live Load = 88 kips (Impact not included)
- The Engineer shall be present during removal of pilaster concrete.
- After removal of all loose and unsound concrete, the Engineer shall inspect the condition of the pilasters and make modifications to the repair details according to actual pilaster conditions if necessary.
- The Contractor shall submit to the Engineer Temporary Bridge Support System working drawings and design calculations for approval.
- Reinforced Concrete:
 $f_y = 60 \text{ ksi}$
 $f'_c = 3,600 \text{ psi}$

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



VIEW A-A

$\frac{3}{8}''=1'-0''$



VIEW B-B

$\frac{3}{8}''=1'-0''$

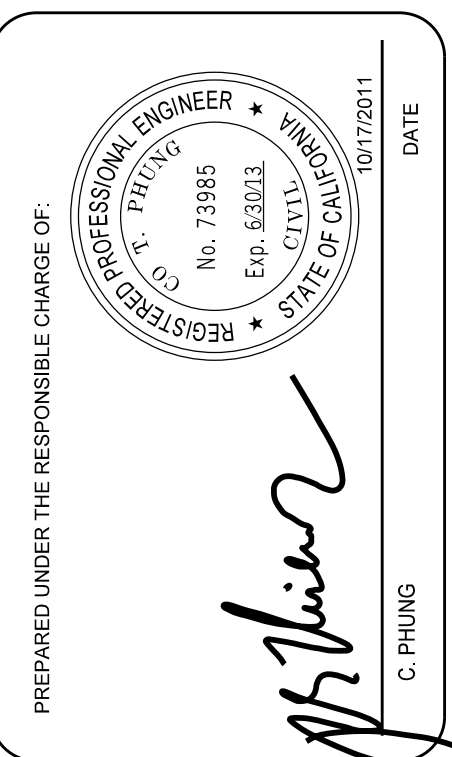
NO AS BUILT CHANGES

RECORD DRAWING

CORRECTION BY: DG
CONTRACT NO.: ER20260
DATE: 06/27/2012



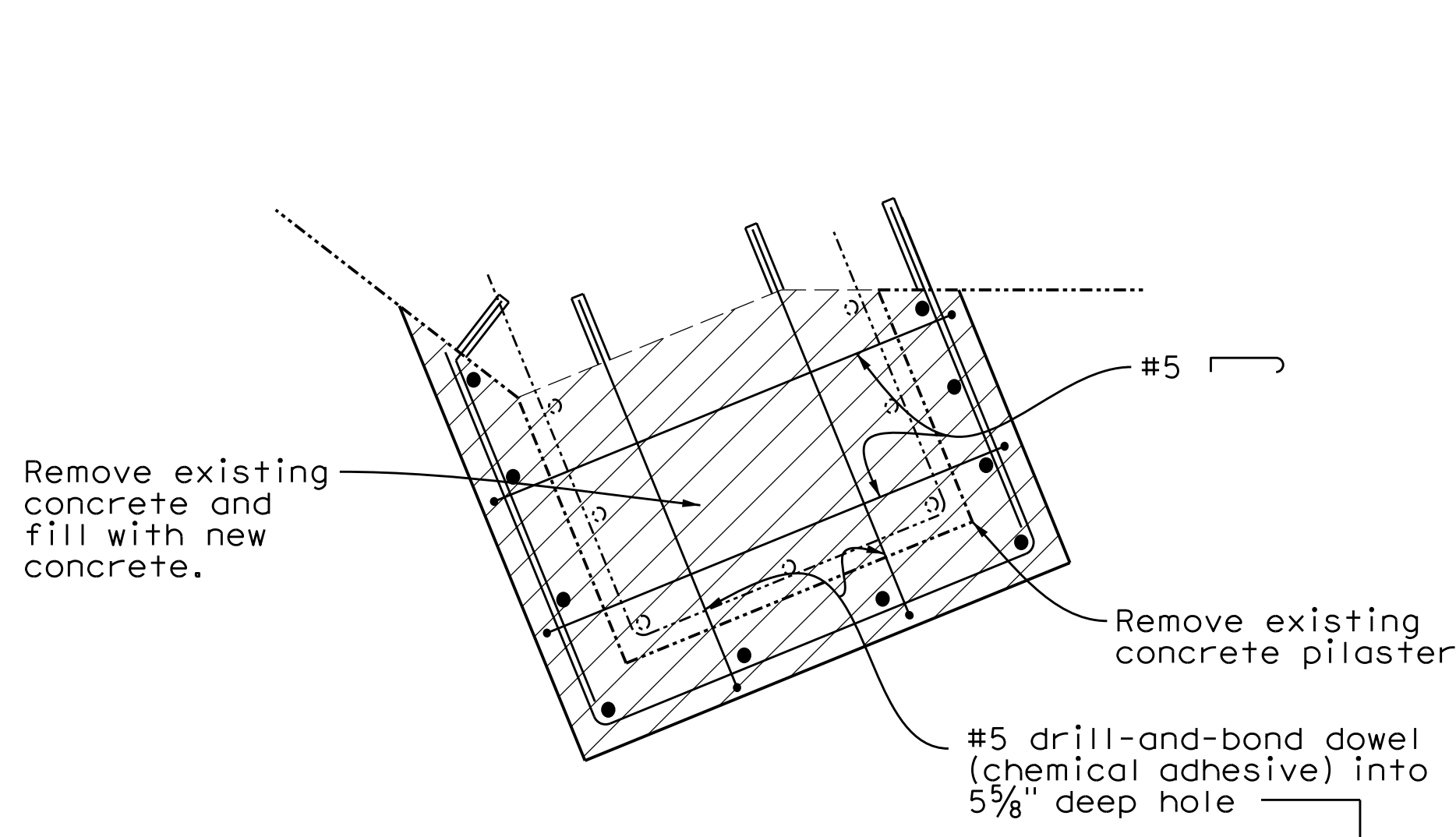
APPR	DATE	DESCRIPTION	MARK



DESIGNED BY: O. HENRIQUEZ C. PHUNG	CHECKED BY: T. MASON R. HOSKINGTON	DRAWING CODE	FILE NAME:	PLOT DATE: 12/10/10	SCALE: AS NOTED
ORANGE COUNTY PUBLIC WORKS					
PREPARED BY: McLEAN & SCHULTZ 3040 Salton Street, Ste 105 Brea, CA 92821					

MAINTENANCE OF VARIOUS BRIDGES IN ORANGE COUNTY	BEARING REPLACEMENT FOR MODJESKA CANYON ROAD BRIDGE OVER SANTIAGO CREEK BR. NO. 55C-0172
----------------------------------------------------	---------------------------------------------------------------------------------------------------------

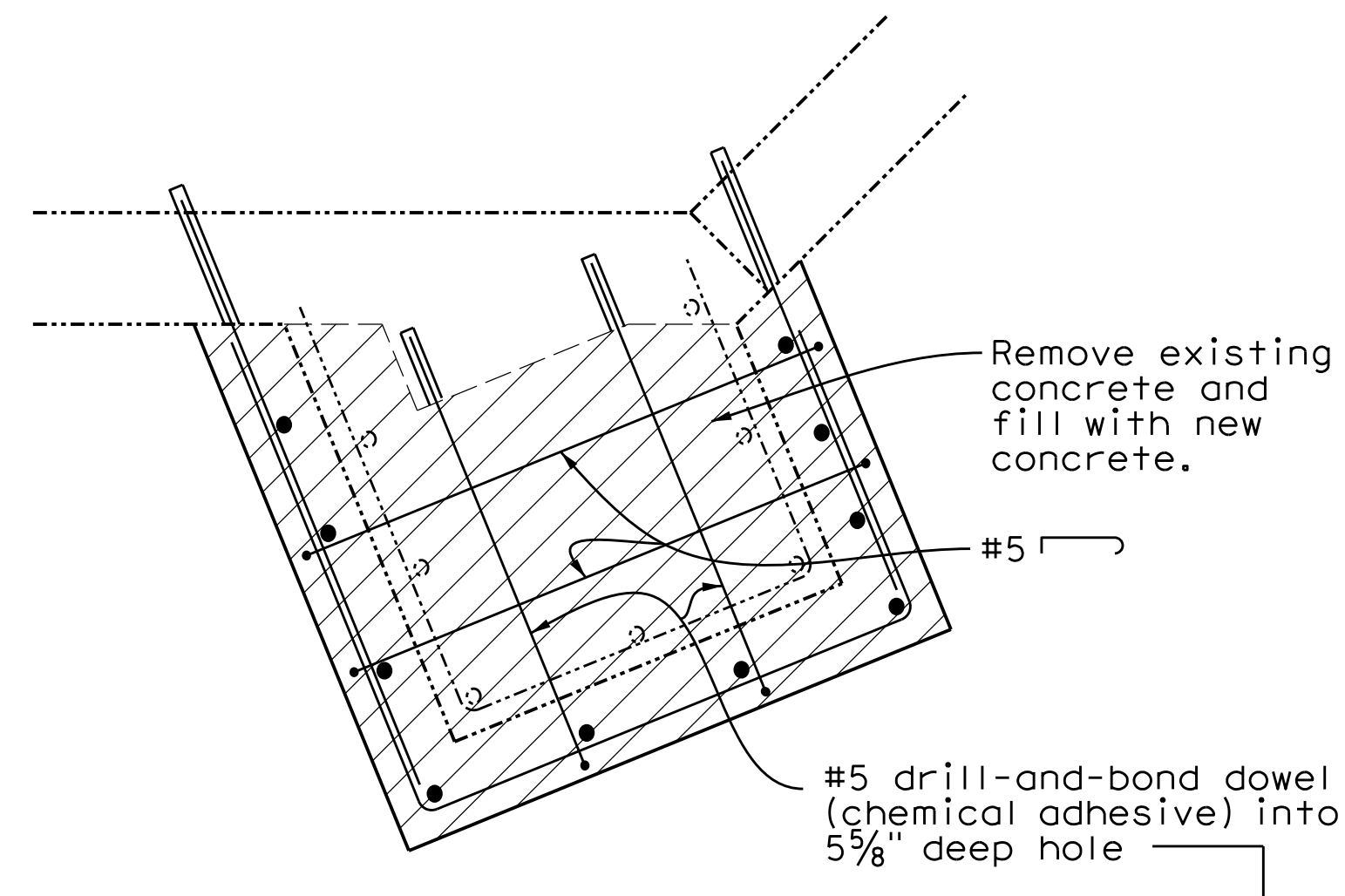
SHEET REFERENCE NUMBER	GENERAL PLAN
SHEET 2 OF 4	



SECTION C'-C'

1"=1'-0"

Note: similar to Section C-C except noted. Existing reinforcement to be protected in place



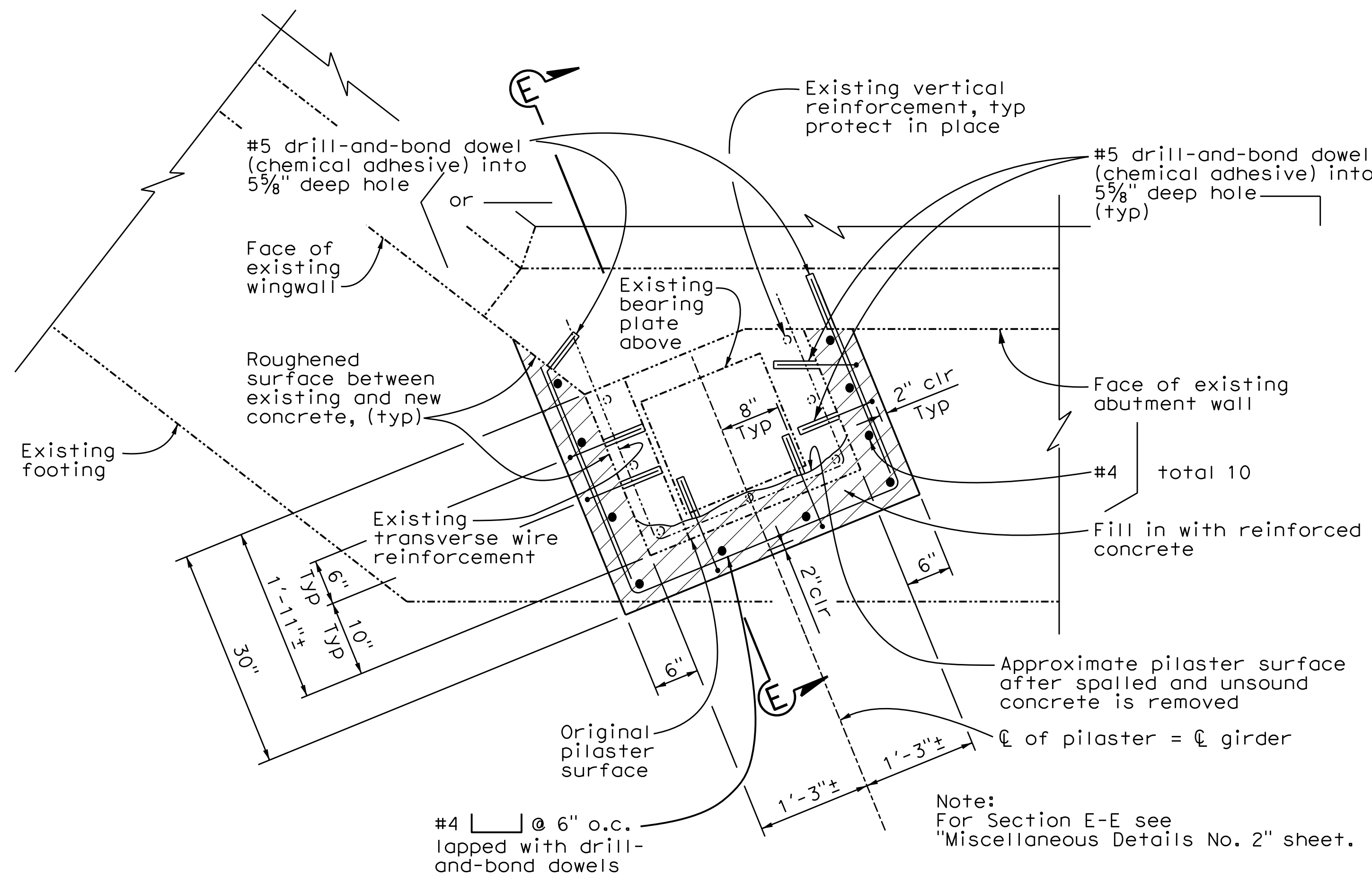
SECTION D'-D'

1"=1'-0"

Note: similar to Section D-D except noted. Existing reinforcement to be protected in place

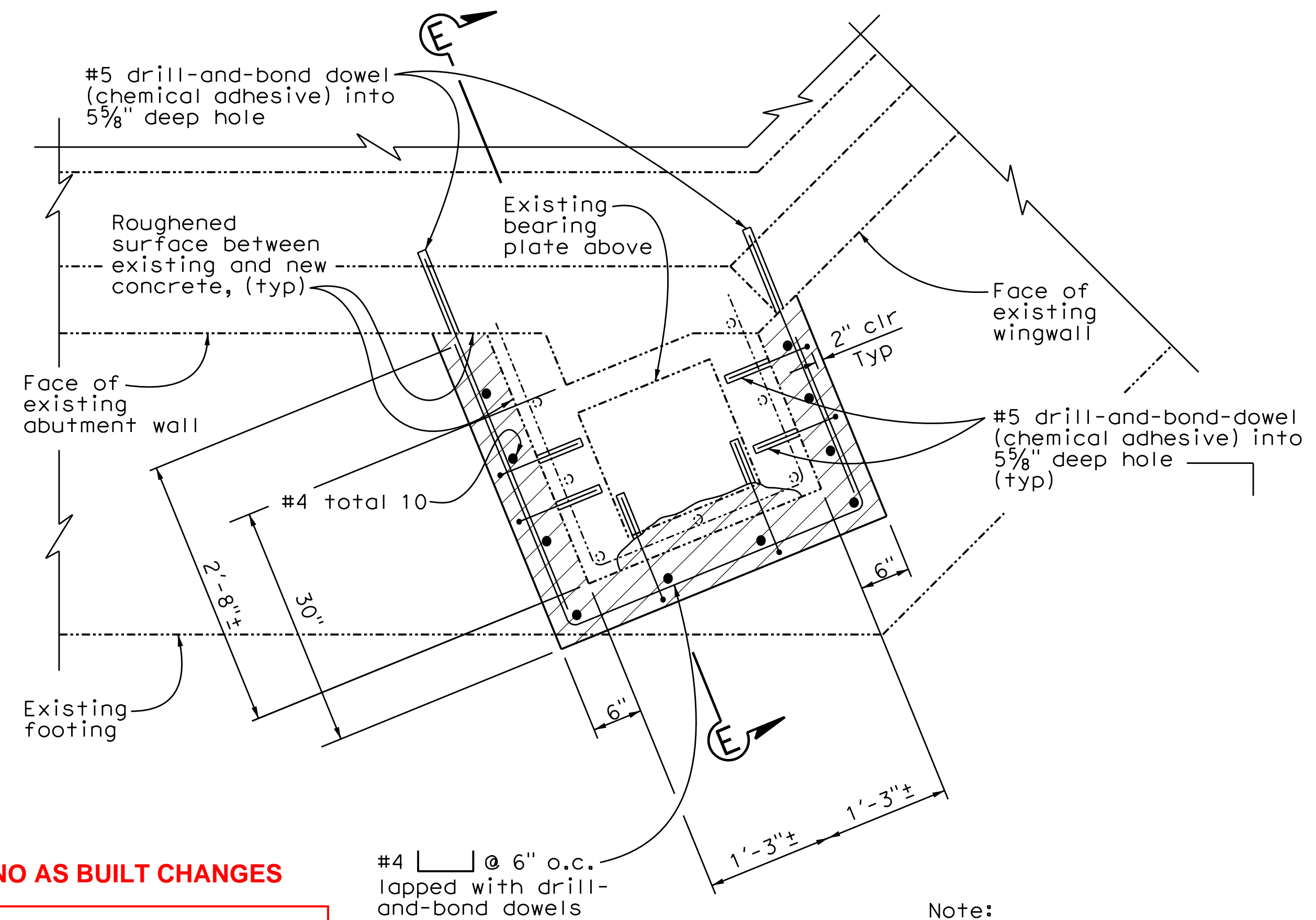
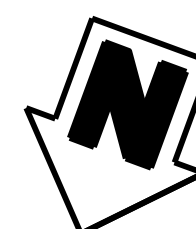
Notes:

1. Number and location of existing pilaster reinforcement bars are approximate.
2. Maximum vertical spacing of drill-and-bond dowels shall be 6" o.c.
3. Embedment depth of drill-and-bond dowels shall be measured into remaining sound pilaster concrete.
4. It is the responsibility of the Contractor to repair any vertical reinforcement that is accidentally cut.
5. Remove unsound concrete to expose sound, hard concrete substrate.
6. Vertical reinforcing steel exposed more than one third of its perimeter circumference should be sufficiently exposed to provide a clearance between the steel and the concrete of 1" or the bar diameter, whichever is greater.



SECTION C-C

1"=1'-0"



SECTION D-D

1"=1'-0"



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

NO AS BUILT CHANGES

RECORD DRAWING

CORRECTION BY: DG

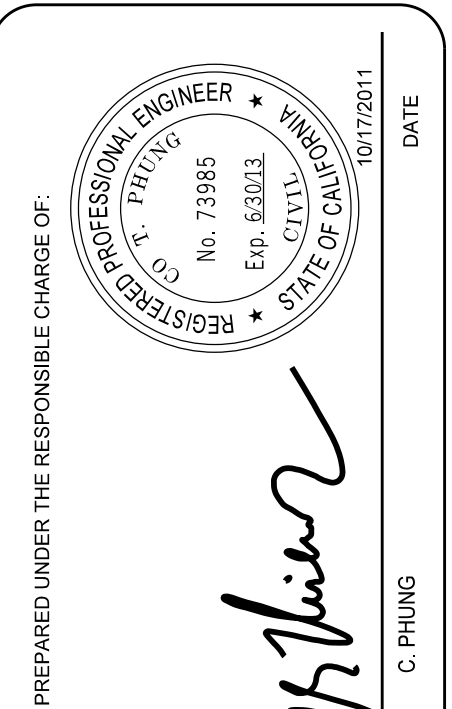
CONTRACT NO.: ER20260

DATE: 06/27/2012

Note:
For additional information see Section C-C



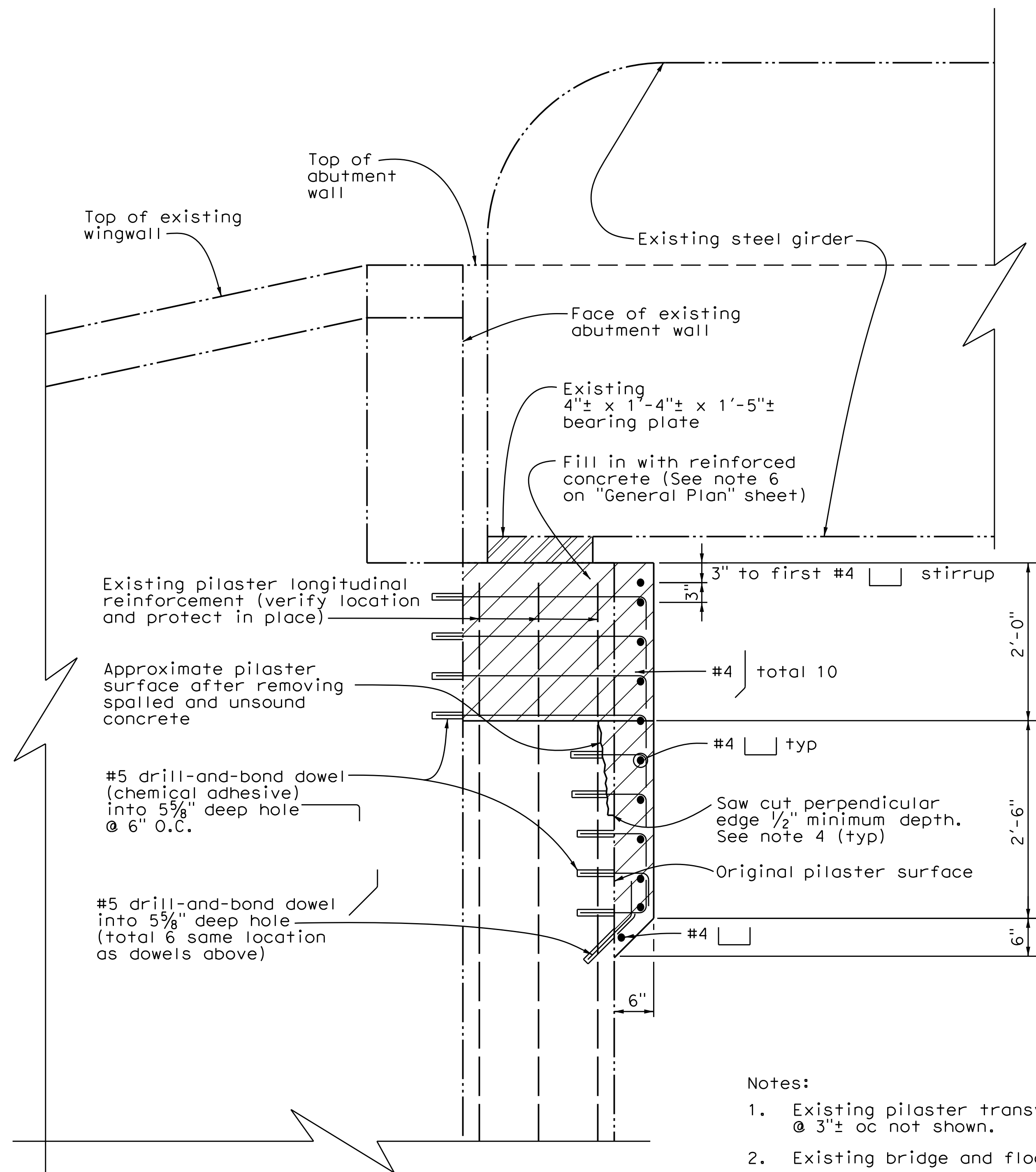
MARK	DESCRIPTION	DATE	APPR



DESIGNED BY: O. HENRIQUEZ C. PHUNG	CHECKED BY: MARKING R. HOSKINGTON	SCALE: AS NOTED
DRAWN BY: C. PHUNG	DRAWING CODE	FILE NAME:
PLOT DATE: 12/10/10		
ORANGE COUNTY PUBLIC WORKS		
PREPARED BY: McLEAN & SCHULTZ 3040 Salton Street, Ste 105 Brea, CA 92821		

MAINTENANCE OF VARIOUS BRIDGES IN ORANGE COUNTY	BEARING REPLACEMENT FOR MODJESKA CANYON ROAD BRIDGE OVER SANTIAGO CREEK BR. NO. 55C-0172
----------------------------------------------------	---------------------------------------------------------------------------------------------------------

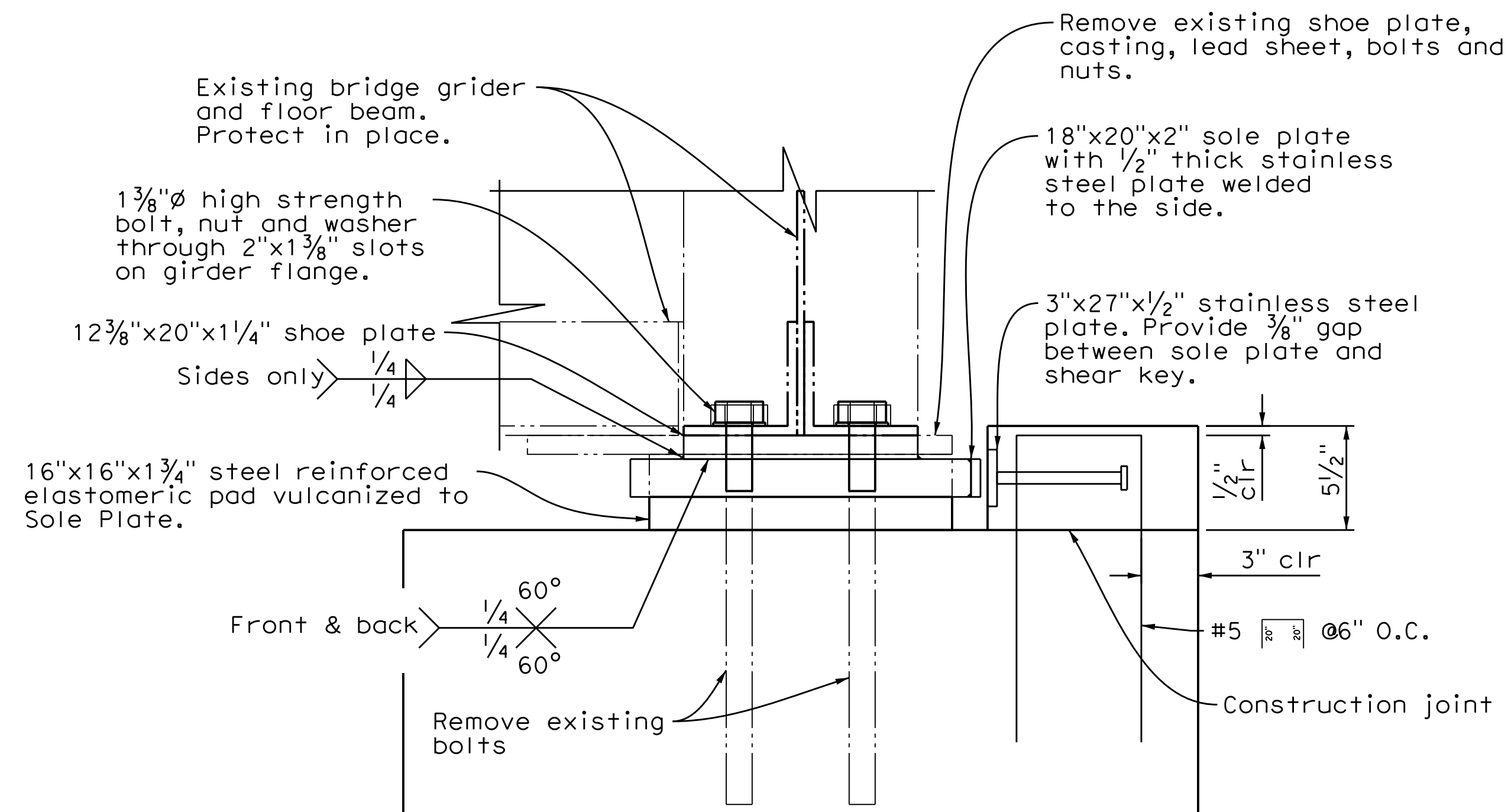
SHEET REFERENCE NUMBER
MISCELLANEOUS DETAILS NO. 1
SHEET 3 OF 4



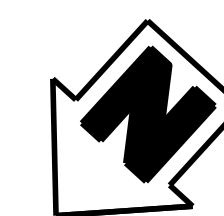
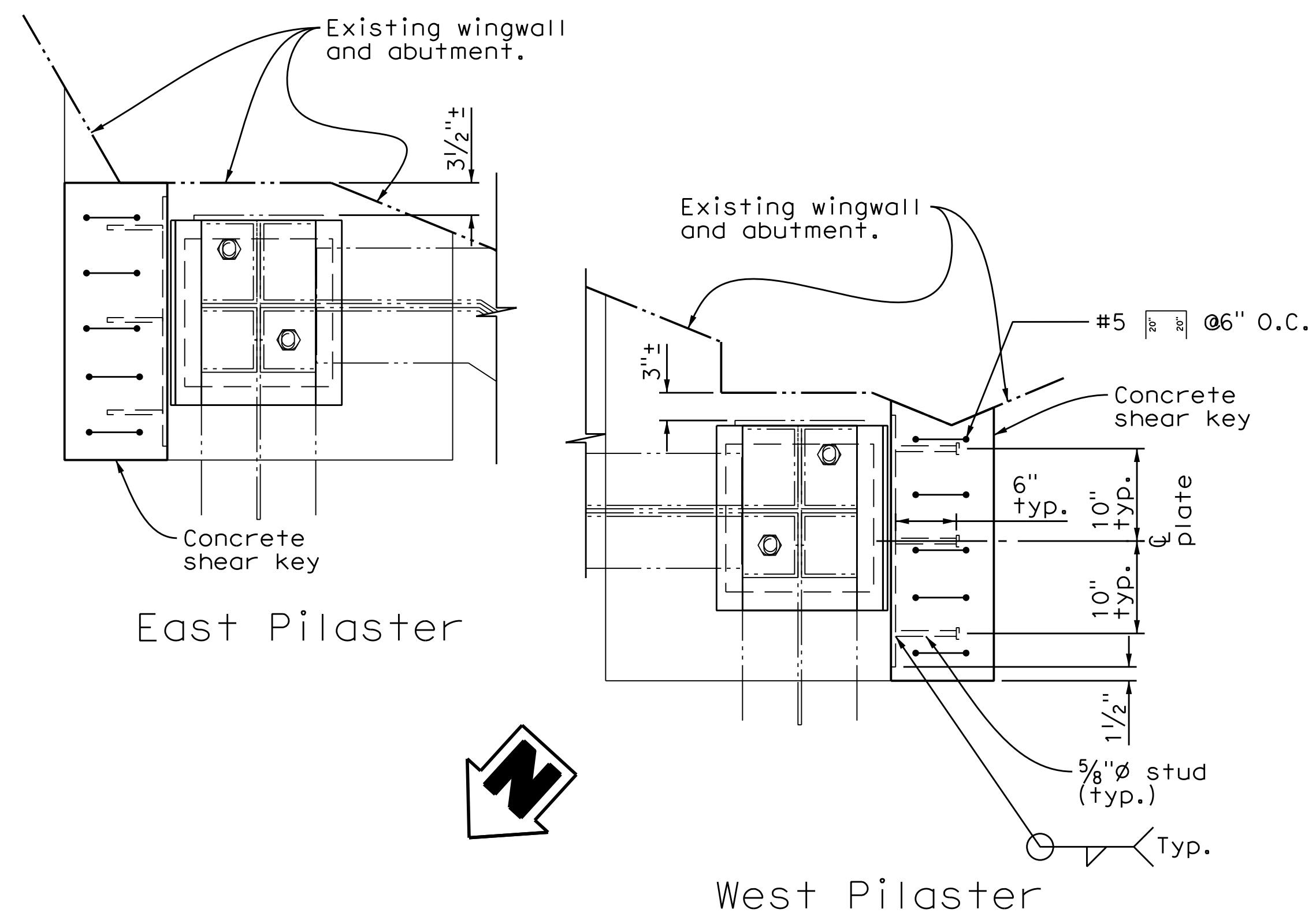
SECTION E-E
1" = 1'-0"

- Notes:
- Existing pilaster transverse wire reinforcement @ 3"± oc not shown.
 - Existing bridge and floor beams not shown.
 - Existing bearing plate anchor bolts not shown.
 - The saw cut depth shall not exceed 1/2" or the concrete cover to the outer layer of reinforcements, whichever is less.

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



ELEVATION
1" = 1/2'
West girder shown.
East girder similar.



PLAN
1" = 1'-0"

NO AS BUILT CHANGES

RECORD DRAWING

CORRECTION BY: DG
CONTRACT NO.: ER20260
DATE: 06/27/2012



MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

REGISTERED PROFESSIONAL ENGINEER
C. L. PHUNG
No. 73985
Exp. 6/30/13
STATE OF CALIF.

DATE: 10/7/2011
C. PHUNG

DESIGNED BY: O. HENRIQUEZ
C. PHUNG

CHECKED BY: J. MARKING
R. HOSKINSON

DRAWN BY: J. MARKING
R. HOSKINSON

DRAWING CODE:

FILE NAME:

PLOT DATE: 12/10/10

SCALE: AS NOTED

ORANGE COUNTY
PUBLIC WORKS

PREPARED BY:
McLEAN & SCHULTZ
3040 Saturn Street, Ste 105
Brea, CA 92821

MAINTENANCE OF VARIOUS
BRIDGES IN ORANGE COUNTY

BEARING REPLACEMENT
FOR
MODJESKA CANYON
ROAD BRIDGE OVER
SANTIAGO CREEK
BR. NO. 55C-0172

SHEET
REFERENCE
NUMBER

MISCELLANEOUS
DETAILS NO. 2

SHEET 4 OF 4