

DRILL & TAP 1/4" X 20 X 3/4"
STAINLESS STEEL COUNTERSUNK
FLATHEAD CAP SCREWS TOT 28
FOR CONNECTION OF STAINLESS
STEEL SLIDING SURFACE TO
SOLE PLATE, TYP

Q PTFE DISK

Q BEARING
ASSEMBLY AND
ABUT 1 LOL

ABUT 6 LOL

1/4" X 7 1/2" Ø
PTFE DISK, TOT 2
TYP

INTERMEDIATE PLATE,
MASONRY PLATE
(PLACE LEVEL) &
STEEL REINF
ELASTOMERIC PAD

SOLE PLATE AND
STAINLESS STEEL
SLIDING SURFACE
(0.135" THICK)
(PLACE LEVEL)

PLAN

Q GIRDER

SOLE PLATE
(3" THICK)
(PLACE LEVEL)

STAINLESS STEEL
SLIDING SURFACE
(0.135" THICK)

STEEL REINF
ELASTOMERIC
BEARING PAD
(2" THICK)

ELEVATION

ELASTOMERIC/PTFE BEARING ASSEMBLY

3"=1'-0"

DESIGN VALUES

MAXIMUM VERTICAL LOAD (KIPS PER ASSEMBLY)	MINIMUM VERTICAL LOAD (KIPS PER ASSEMBLY)
260	207

SOLE PLATE PLACEMENT

LOCATION	"B" DIMENSION			"C" DIMENSION		
	WINT	SUMM	SPR/FALL	WINT	SUMM	SPR/FALL
ABUTMENT 1	1'-7 1/4"	1'-5"	1'-6"	10 3/4"	1'-1"	1'-0"
ABUTMENT 6	1'-7 1/4"	1'-5"	1'-6"	10 3/4"	1'-1"	1'-0"

SOLE PLATE
(PLACE LEVEL)

STAINLESS STEEL
SLIDING SURFACE
(0.135" THICK)

INTERMEDIATE PLATE

STEEL REINF
ELASTOMERIC
BEARING PAD

MASONRY PLATE
(PLACE LEVEL)

3/4" Ø X 8" STUD BOLT
TOT 9, WELDED TO SOLE
PLATE, TYP

1/4" TYP

BRIDGE SOFFIT

INTERMEDIATE PLATE
(1/4" THICK), WITH 1/8"
RECESS FOR PTFE DISK.

MASONRY PLATE (3/4" THICK)
(PLACE LEVEL)

ABUTMENT SEAT

1/4" X 7 1/2" Ø
PTFE DISK

3/4" Ø X 8" STUD BOLT TOT 6,
WELDED TO MASONRY PLATE, TYP

EXPANSION
JOINT

"B"

"C"

Q SOLE
PLATE

3/4" Ø X 8" STUD
BOLT, TYP

BRIDGE SOFFIT

PTFE DISK

ABUTMENT SEAT

2'-3"

Q BEARING ASSEMBLY

2'-0"

SECTION A-A

RECORD DRAWING

DR. 3 (16158)
Sheet 59 of 126

1 1/2" 0 1 1/2"
3 inches on original drawing

ORANGE COUNTY
ENVIRONMENTAL MANAGEMENT AGENCY
ANTONIO PARKWAY
BRIDGE OVER
SAN JUAN CREEK

ABUTMENT DETAILS NO. 4

11/27

DESIGNED Steve A. Whitaker

DRAWN L. West CHECKED R. Hart

SCALE DATE DATE DRAWING NO.

AS SHOWN

59

OF 126

PLANS PREPARED BY:

HNTB

26 EXECUTIVE PARK
SUITE 300
IRVINE, CALIFORNIA 92614

MARK DATE DESCRIPTION

REVISIONS

PREPARED UNDER RESPONSIBLE CHARGE OF:

NO. C 03555

EXP. 12-31-97

DATE

RICHARD A. HART

PCE 99595 (EXP. 12-31-97)

WLI

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DR. 8 (16158)