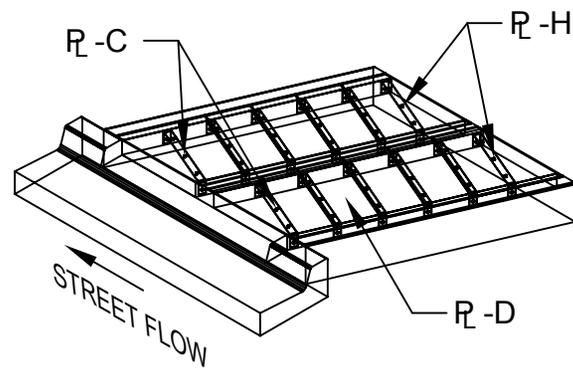
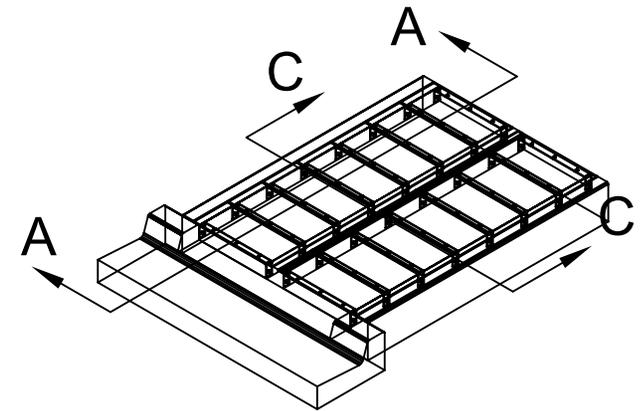


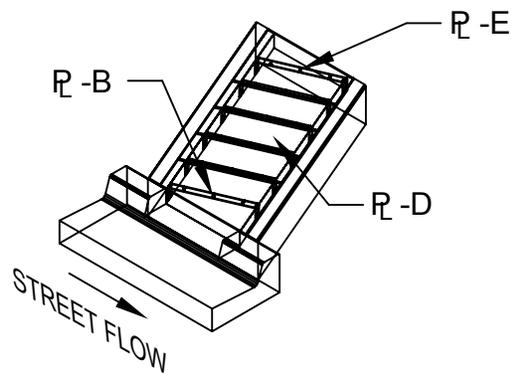
MULTIPLE CHANNELS ORIENTATION 3



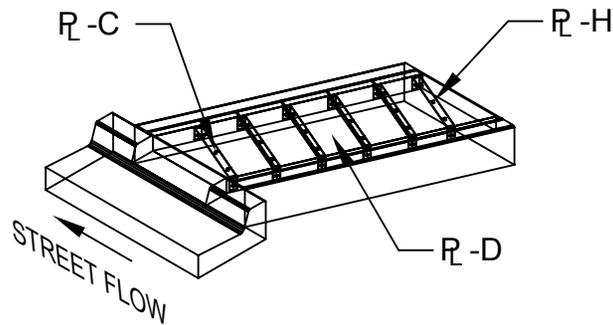
MULTIPLE CHANNELS ORIENTATION 2



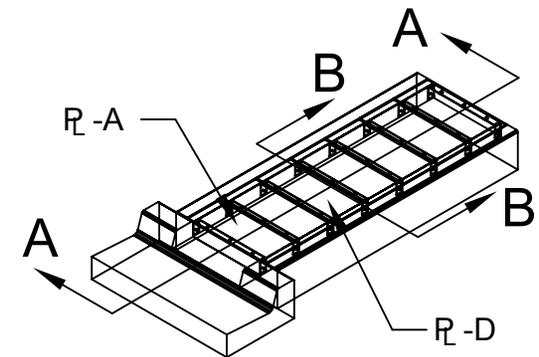
MULTIPLE CHANNELS ORIENTATION 1



SINGLE CHANNEL ORIENTATION 3



SINGLE CHANNEL ORIENTATION 2



SINGLE CHANNEL ORIENTATION 1

SCALE: 1/4" = 1'

DATE MODIFIED:



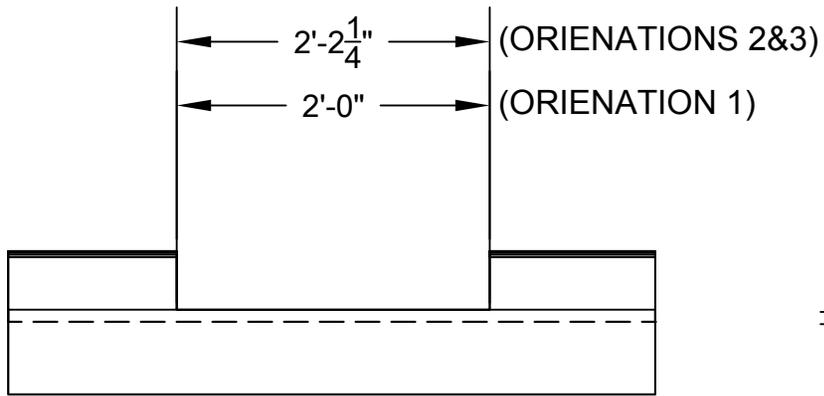
City of Rio Rancho Department
of Public Works

SINGLE & MULTIPLE DRAINAGE
CHANNELS/SIDEWALK CULVERT
GENERAL ASSEMBLIES

DWG. NO. SW-01

SHT 1 of 6

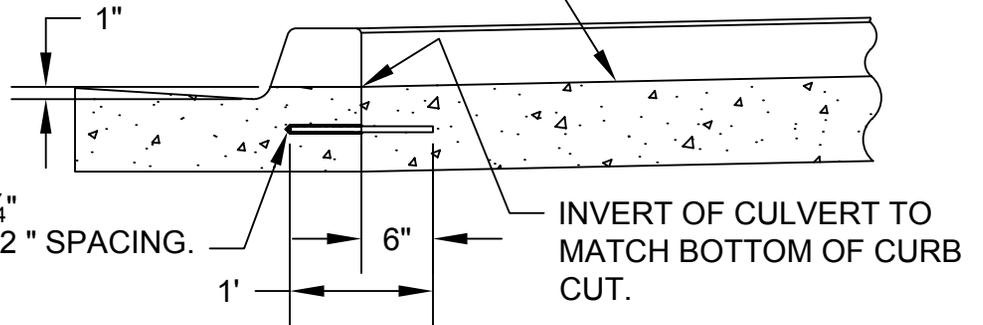
NOV 15, 2012



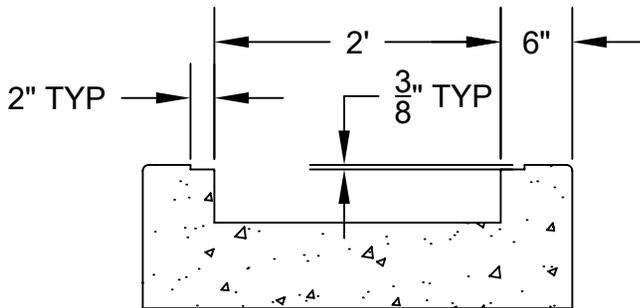
IN EXISTING CURB ONLY, DRILL $\frac{3}{4}$ " DEEP. GROUT IN #4 DOWELS @ 12" SPACING.

CURB CUT

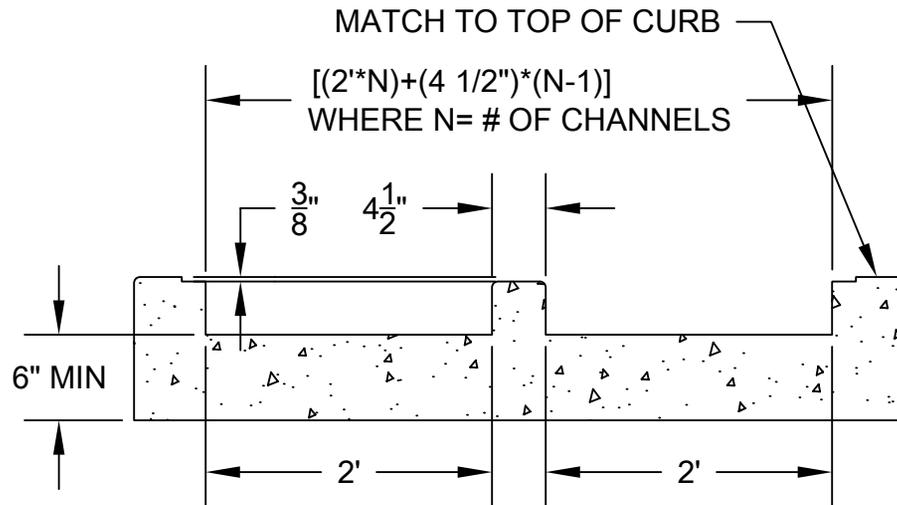
SLOPE CULVERT TOWARD STREET @ 2% TO MATCH SIDEWALK CROSS SLOPE



SECTION A-A



SECTION B-B



SECTION C-C

SCALE: 1/4" = 1'

DATE MODIFIED:



City of Rio Rancho Department of Public Works

SIDEWALK CULVERT CONCRETE WORK

DWG. NO. SW-01

SHT 2 of 6

NOV 15, 2012

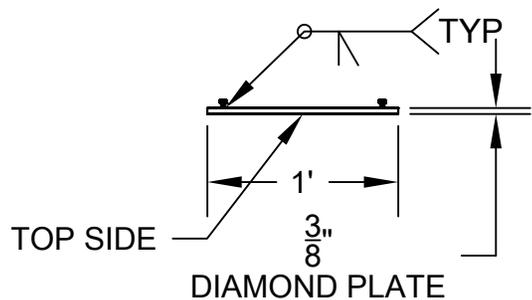
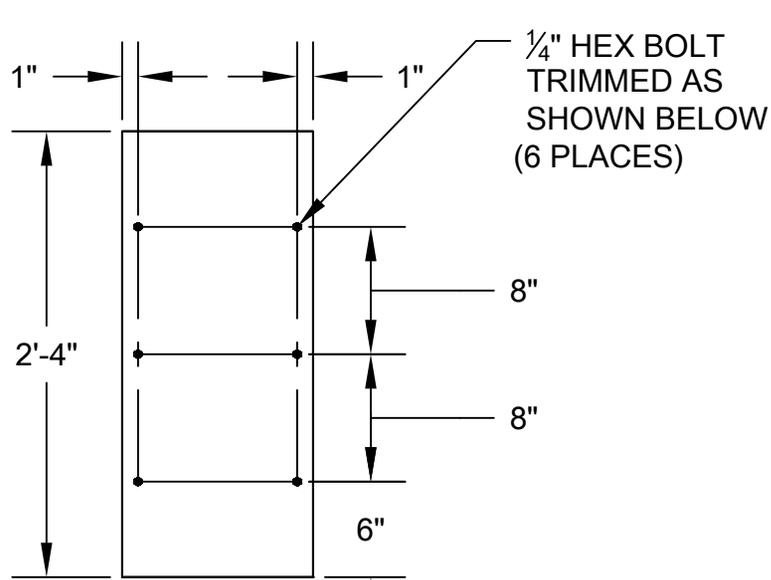


PLATE ASSEMBLY A

SCALE: 1" = 1'

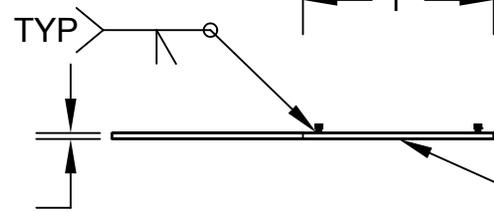
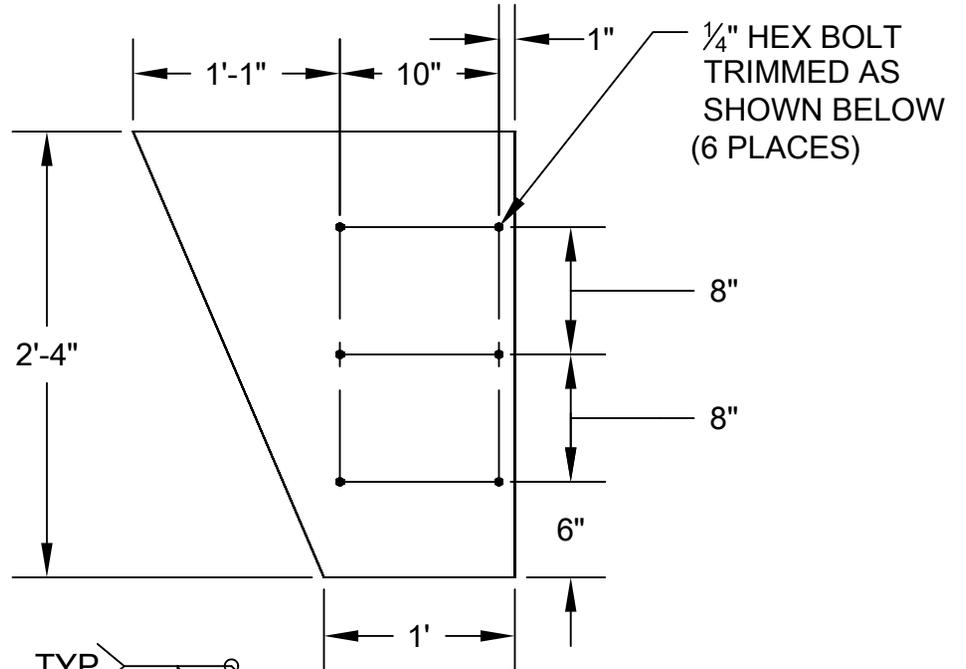
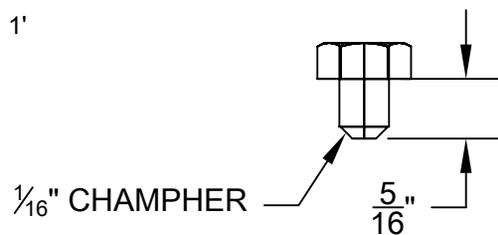


PLATE ASSEMBLY B (AS SHOWN)

PLATE ASSEMBLY C (OPPOSITE HAND)

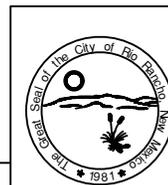
SCALE: 1" = 1'



TRIMMED 1/4" HEX BOLT

SCALE: 1" = 1"

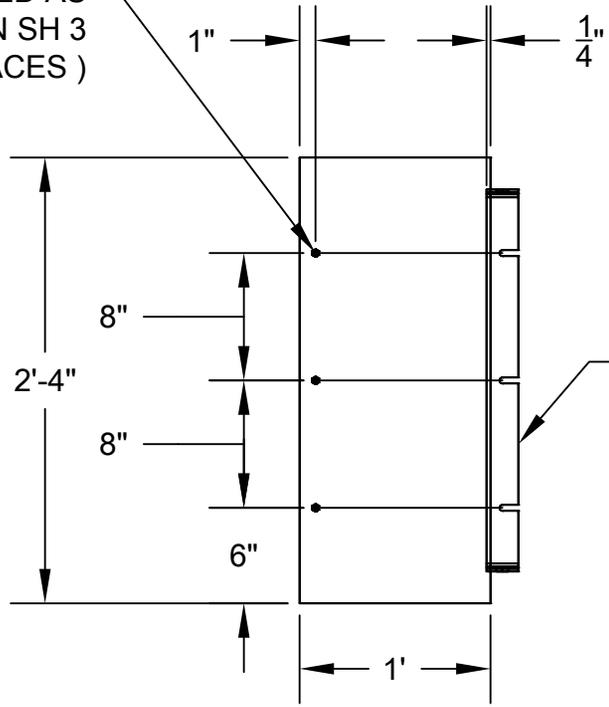
DATE MODIFIED:



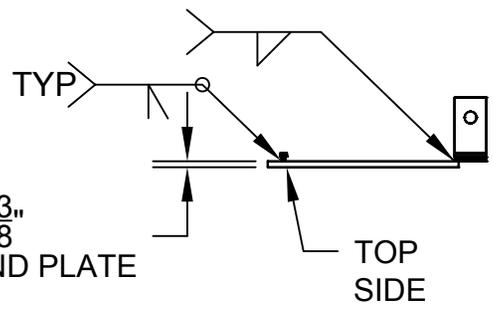
City of Rio Rancho Department of Public Works

SIDEWALK CULVERT DIAMOND PLATE ASSEMBLIES

1/4" HEX BOLT
TRIMMED AS
SHOWN ON SH 3
(3 PLACES)



CONNECTING
BRACKET



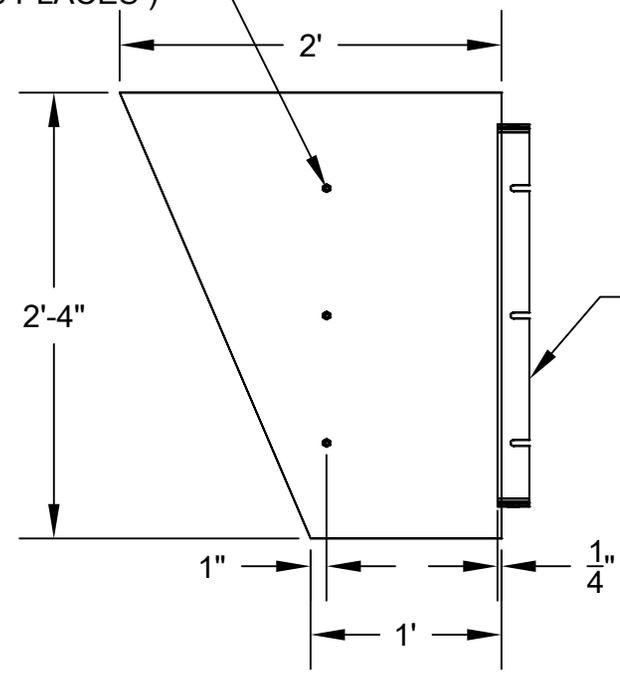
3/8"
DIAMOND PLATE

TOP
SIDE

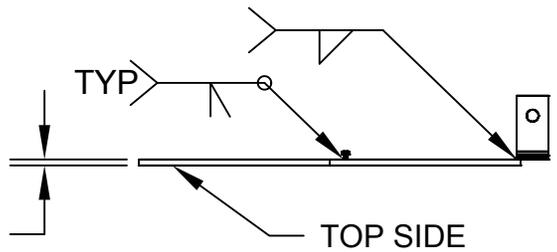
PLATE ASSEMBLY D

SCALE: 1" = 1'

1/4" HEX BOLT
TRIMMED AS
SHOWN ON SH 3
(3 PLACES)



CONNECTING
BRACKET



3/8"
DIAMOND PLATE

TOP
SIDE

PLATE ASSEMBLY E (AS SHOWN)
PLATE ASSEMBLY H (OPPOSITE HAND)

SCALE: 1" = 1'

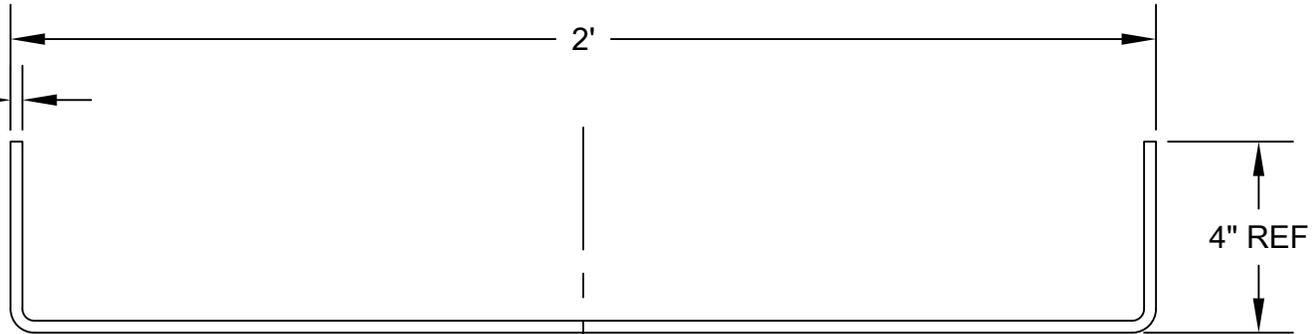
DATE MODIFIED:



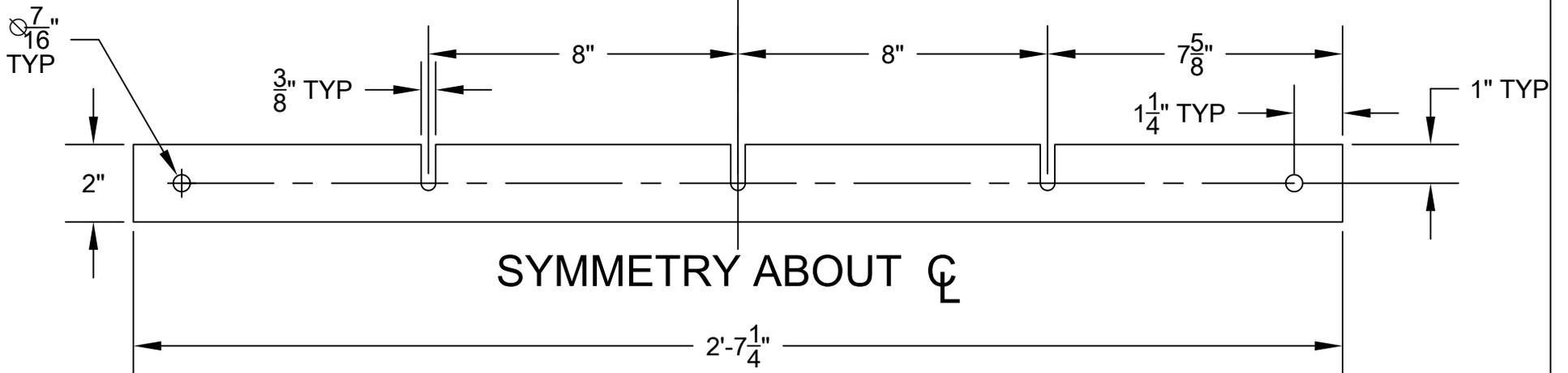
City of Rio Rancho Department
of Public Works

SIDEWALK CULVERT
DIAMOND PLATE ASSEMBLIES

$\frac{1}{4}$ "
A36 BAR



BRACKET BEND DETAIL



BRACKET FLAT LAYOUT

SCALE: 3" = 1'

DATE MODIFIED:



City of Rio Rancho Department
of Public Works

SIDEWALK CULVERT
SUPPORT BRACKET

DWG. NO. SW-01

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NOV 15, 2012

CONSTRUCTION AND FABRICATION NOTES:

- 1) ALL EXPOSED CONCRETE SURFACES SHALL MATCH GRADE, COLOR, AND FINISH OF ADJACENT CURB AND SIDEWALK.
- 2) STEEL SURFACE PREPRATION SHALL MEET SSPC-SP6 STANDARD.
- 3) PAINT STEEL SURFACES WITH ONE COAT OF RED OXIDE AND TWO FINISH COATS OF ALUMINIUM PAINT (AASHTO M69)

INSTALLATION NOTES:

- 1) INSTALL 1/2" EXPANSION JOINT BETWEEN CULVERT AND SIDEWALK.

ORIENTATION 1

- 2) INSTALL PLATE ASSEMBLY D BY SLIDING THE ATTACHED SLOTTED BRACKET UNDER THE PREVIOUS PLATE ASSEMBLY ENGAGING THE BOLTS OF THE PREVIOUS ASSEMBLY WITH THE BRACKET.
- 3) REPEAT THIS PROCEDURE UNTIL SUFFICIENT PL-D ASSEMBLIES HAVE BEEN INSTALLED TO SPAN THE DISTANCE FROM THE BACK OF CURB TO THE OPPOSITE SIDE OF THE SIDEWALK.
- 4) INSTALL A SUPPORT BRACKET UNDER THE LAST PL-D ASSEMBLY BY ENGAGING THE PL-D ASSEMBLY BOLTS IN THE SLOTS OF THE SUPPORT BRACKET.
- 5) ANCHOR THE SUPPORT BERACKET WITH TWO EXPANSION ANCHORS.

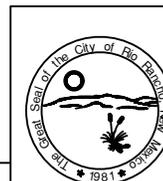
ORIENTATION 2

- 6) INSTALL PLATE ASSEMBLY D BY SLIDING THE ATTACHED SLOTTED BRACKET UNDER THE PREVIOUS PLATE ASSEMBLY ENGAGING THE BOLTS OF THE PREVIOUS ASSEMBLY WITH THE BRACKET.
- 7) REPEAT THIS PROCEDURE UNTIL SUFFICIENT PL-D ASSEMBLIES HAVE BEEN INSTALLED TO SPAN THE DISTANCE FROM THE BACK OF CURB TO THE OPPOSITE SIDE OF THE SIDEWALK.
- 8) INSTALL ONE PL-H ASSEMBLY IN THE SAME MANNER.
- 9) INSTALL A SUPPORT BRACKET UNDER THE PL-H ASSEMBLY BY ENGAGING THE PL-H ASSEMBLY BOLTS IN THE SLOTS OF THE SUPPORT BRACKET.
- 10) ANCHOR THE SUPPORT BERACKET WITH TWO EXPANSION ANCHORS.

ORIENTATION 3

- 11) INSTALL PLATE ASSEMBLY D BY SLIDING THE ATTACHED SLOTTED BRACKET UNDER THE PREVIOUS PLATE ASSEMBLY ENGAGING THE BOLTS OF THE PREVIOUS ASSEMBLY WITH THE BRACKET.
- 12) REPEAT THIS PROCEDURE UNTIL SUFFICIENT PL-D ASSEMBLIES HAVE BEEN INSTALLED TO SPAN THE DISTANCE FROM THE BACK OF CURB TO THE OPPOSITE SIDE OF THE SIDEWALK.
- 13) INSTALL ONE PL-E ASSEMBLY IN THE SAME MANNER.
- 14) INSTALL A SUPPORT BRACKET UNDER THE PL-E ASSEMBLY BY ENGAGING THE PL-H ASSEMBLY BOLTS IN THE SLOTS OF THE SUPPORT BRACKET.
- 15) ANCHOR THE SUPPORT BERACKET WITH TWO EXPANSION ANCHORS.

DATE MODIFIED:



City of Rio Rancho Department
of Public Works

SIDEWALK CULVERT
NOTES

DWG. NO. SW-01

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NOV 15, 2012