2'-2\frac{1}{4}''
2'-0''

(ORIENATIONS 2&3)
(ORIENATION 1)

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

IN EXISTING CURB ONLY, DRILL 3\frac{1}{4}'' DEEP. GROUT IN #4 DOWELS @ 12'' SPACING.

INVERT OF CULVERT TO MATCH BOTTOM OF CURB CUT.

MATCH TO TOP OF CURB

\[ [(2''N)+(4 1/2'')(N-1)] \]
WHERE N= # OF CHANNELS

SECTION A-A

SECTION B-B

SECTION C-C

SCALE: 1/4'' = 1'
PLATE ASSEMBLY A

- \( \frac{3}{8} \) DIAMOND PLATE
- \( \frac{1}{16} \) CHAMPHER

SCALE: 1" = 1'

PLATE ASSEMBLY B (AS SHOWN)

- \( \frac{1}{4} \) HEX BOLT TRIMMED AS SHOWN BELOW (6 PLACES)

SCALE: 1" = 1'

PLATE ASSEMBLY C (OPPOSITE HAND)

- \( \frac{3}{8} \) DIAMOND PLATE

SCALE: 1" = 1'
PLATE ASSEMBLY D
SCALE: 1" = 1'

PLATE ASSEMBLY E
(AS SHOWN)
SCALE: 1" = 1'

PLATE ASSEMBLY H
(OPPOSITE HAND)
SCALE: 1" = 1'
CONSTRUCTION AND FABRICATION NOTES:

1) ALL EXPOSED CONCRETE SURFACES SHALL MATCH GRADE, COLOR, AND FINISH OF ADJACENT CURB AND SIDEWALK.
2) STEEL SURFACE PREPARATION 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 \( \frac{3}{4}'' \) 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.