SLOPE CULVERT AND PLATE TOWARD STREET (1.5% TYP., 2.0% MAX.) TO MATCH SIDEWALK CROSS SLOPE.

IN EXISTING CURB ONLY, DRILL 3/4"Ø HOLES 6" DEEP. GROUT IN #4 DOWELS @ 12" SPACING.

MATCH TO TOP OF CURB

\[
\text{WHERE } N = \# \text{ OF CHANNELS}
\]

MATCH TO TOP OF CURB
Plate Assembly A

Scale: 1" = 1'

Trimmed 1/4" hex bolt

Scale: 1" = 1'

Plate Assembly B (As Shown)

Scale: 1" = 1'

Plate Assembly C (Opposite Hand)

Scale: 1" = 1'

Notes:
1. See Dwg. No. SW-01, Sheet 6 of 6 for General Notes

City of Rio Rancho Department of Public Works

Street Environment
Diamond Plate Assemblies

Date Modified: Jan 03, 2022

Dwg. No. SW-01
Sheet 3 of 6
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 ALUMINUM PAINT (AASHTO M69).
4) ALL CONCRETE SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. IF THE PROJECT HAS GONE THROUGH THE DEVELOPMENT REVIEW PROCESS, CONCRETE SHALL BE IN ACCORDANCE WITH THE APPROVED PLANS AND DEVELOPMENT SERVICE DEPARTMENT'S APPROVALS.
5) CONCRETE SHALL BE PLACED ON PREPARED SUBGRADE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. IF THE PROJECT HAS GONE THROUGH THE DEVELOPMENT REVIEW PROCESS, SUBGRADE SHALL BE IN ACCORDANCE WITH THE APPROVED PLANS AND DEVELOPMENT SERVICE DEPARTMENT'S APPROVALS.

INSTALLATION NOTES:
1) INSTALL ½" 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 BRACKET 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 BRACKET 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 BRACKET WITH TWO EXPANSION ANCHORS.