**12" VERTICAL CURB & GUTTER**

- #4 Hook Bar @ 12" O.C., Cast In Precast Deck
- Concrete Waterproofing Membrane
- Cast In Place Concrete Wear Surface
- Precast Bridge Deck

**12" VERTICAL CURB**

- #4 Hook Bar @ 12" O.C., Cast In Precast Deck
- Concrete Waterproofing Membrane
- Cast In Place Concrete Wear Surface
- Precast Bridge Deck

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**Curb Attachment to Deck**

- Ada County Highway District
- 3775 Adams Street, Boise, Idaho, 83714
- www.achdidaho.org

*Drawn By: L. Vernon*
*Date: Oct. 2018*
*Last Revised Oct. 2018*
Ada County Highway District

Cutoff Wall Detail

NOTES:
1. CAST DOWELS INTO END UNIT OF PRECAST BOX.
2. CUTOFF WALL DEPTH 1' BELOW BOTTOM OF FOOTING OR 3'-0" MIN., WHICHEVER IS GREATER.
3. CHAMFER ALL EXPOSED EDGES

PLAN

ELEVATION

SECTION A-A

PRECAST BRIDGE/CULVERT/PIPE
HEADWALL/WINGWALL
FILL FACE
PRECAST PIPE
#5 DOWEL @12" MAX.
C1~#5@12"
C2~#5@12"
C3~#5@12"
3/4" MINUS CRUSHED AGGREGATE BASE
3" CLR. TYP.

SEE NOTE 2

DATE: Oct. 2018

LISA VERNON
7197
STATE OF IDAHO
LICENSED PROFESSIONAL ENGINEER

Drawn By: L. VERNON
Date: Oct. 2018

Ada County Highway District
3775 Adams Street, Boise, Idaho, 83714
www.achdidaho.org

Last Revised Oct. 2018
COMPACTED CRUSHED AGGREGATE BACKFILL,
\( \frac{1}{2} '' \) MINUS TYPE 1 PER ISPWC 802

SECTION

Footings Base Preparation

Ada County Highway District
3775 Adams Street, Boise, Idaho, 83714
www.achdidaho.org
FILL KEYWAY WITH TYPE B, CLASS 1 NON-SHRINK GROUT

FOAM BACKER ROD

1/2"
4"

NOTE:
TYPICAL FOR TOP AND SIDES OF PRECAST SECTIONS. ENDS OF PRECAST SECTION AT INLET AND OUTLET TO BE FLAT (NO KEYWAY).

PRECAST JOINT GROUTING
SECTION

PRECAST CONCRETE STIFFLEG

FILL W/ NONSHRINK GROUT
WET SET PRECAST STIFFLEG

CONCRETE FOOTING

2" TYP.

2" TYP.

Precast to Footing

Ada County Highway District
3775 Adams Street, Boise, Idaho, 83714
www.achd.idaho.org
RAILING CONNECTION

5/8" DIA. GALV. ANCHOR BOLTS WITH 2 WASHERS & 1 ACORN NUT EACH. 2" PROJECTION CUT BOLTS AS REQUIRED FOR ACORN NUTS.

© RAIL POST
SEE DETAILS, ACHD ISPWC SUPPLEMENT

BASE PLATE
SEE DETAILS, ACHD ISPWC SUPPLEMENT

TOP OF CONCRETE

4"

6" MIN.
ELEVATION

SECTION

NOTES:
1. DOWELS TO BE EITHER CAST INTO END UNIT OF PRECAST OR DRILLED AND EPOXY GROUTED OR USE THREADED INSERTS.
2. USE OF EXPANSION BOLTS IS NOT PERMITTED.
3. CHAMFER ALL EXPOSED EDGES.
SECTION

NOTE:
SEE DESIGN GUIDE NARRATIVE FOR BASE AND SUBBASE SECTION REQUIREMENTS OVER STRUCTURES.
WATERPROOFING

3'-0" x (W+6'-0")
CONCRETE WATERPROOF MEMBRANE CENTERED OVER JOINTS

ADDITIONAL WATERPROOF MEMBRANE OVER CONCRETE BRIDGE/CULVERT

INTERIOR SECTION

END SECTION

Waterproofing

Ada County Highway District
3775 Adams Street, Boise, Idaho, 83714
www.achdidaho.org
WINGWALL SECTION

COMPACTING BACKFILL LIMITS, PER ISPWC SECTION 204

FINISHED
GRADE

STRUCTURAL EXCAVATION
LIMITS, PER ISPWC
SECTION 204

1/2" MINUS CRUSHED
AGGREGATE, TYPE 1
PER ISPWC SECTION 802

2'-0"

60° MIN