

Notes to the Designer

Updated September 2023

Curb

General Information

- All graphics and text will be in the design and layout models. Reference the desired graphics from the layout model into the sheet model for printing.
- **Curb Options**
There is a wide variety of curb options available for use. Some of the more common options are shown on this template drawing. However, you will need to adjust the template drawing to fit your project.

Applicable SCRs

- None

Typical Pay Item Used

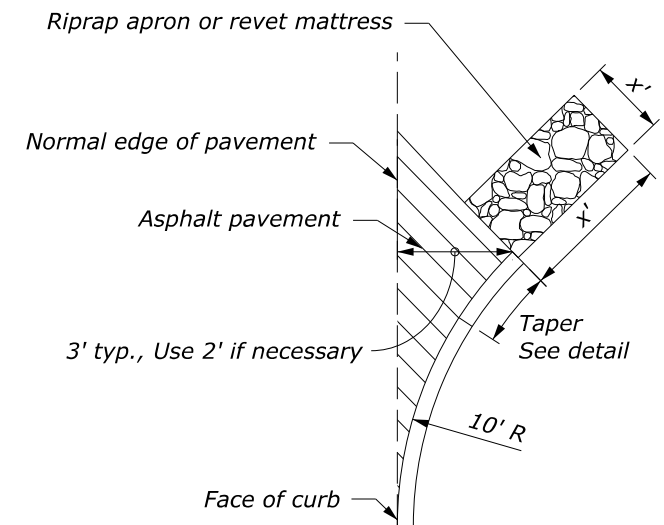
- 60901-#### Curb, Concrete/Asphalt/Stone, #### [LNFT]
- 60902-#### Curb and Gutter, Concrete/Asphalt/Stone, #### [LNFT]

Updates

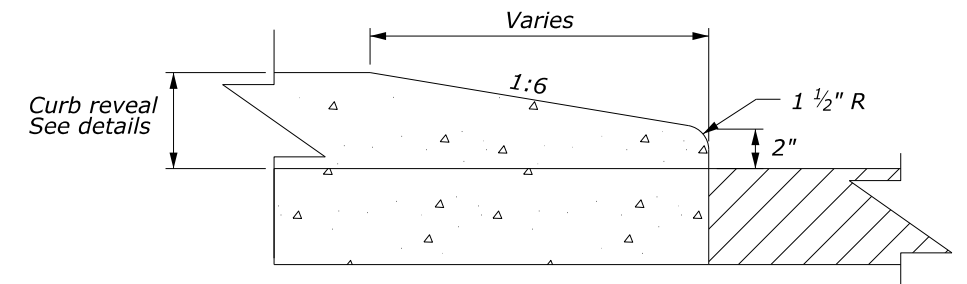
- **Jun2021**
 - Updated for OpenRoads Designer
- **September 2023**
 - Updated border; updated to international foot seed

NOTE:

- 1. Curb for flared curb terminus will be measured under curb items. Adjust as necessary to fit field conditions.
- 2. Riprap andrevet mattress for curb terminus on mainline will be measured under their respective pay items.



FLARED CURB TERMINUS



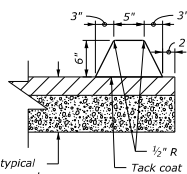
CURB TAPER

CURB DETAILS

SPECIAL
609-A

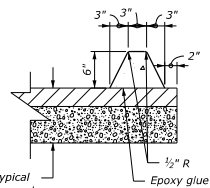
NO SCALE

ASPHALT AND GLUE-DOWN CONCRETE CURB



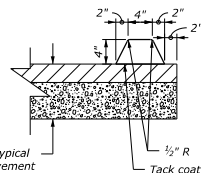
See mainline typical section for pavement structural section

**ASPHALT CURB,
6-INCH DEPTH**



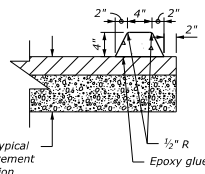
See mainline typical section for pavement structural section

**CONCRETE CURB,
6-INCH DEPTH
(GLUE-DOWN)**



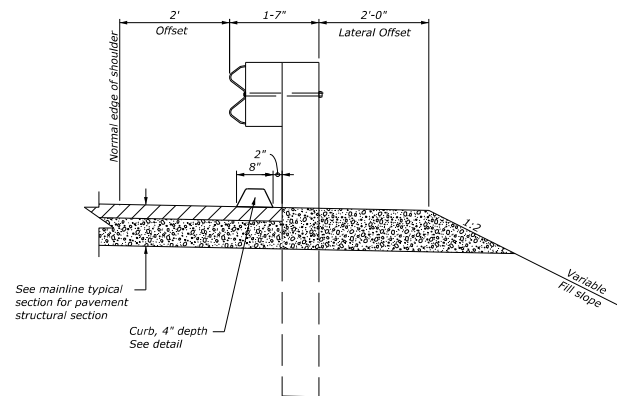
See mainline typical section for pavement structural section

**ASPHALT CURB,
4-INCH DEPTH**



See mainline typical section for pavement structural section

**CONCRETE CURB,
4-INCH DEPTH
(GLUE-DOWN)**

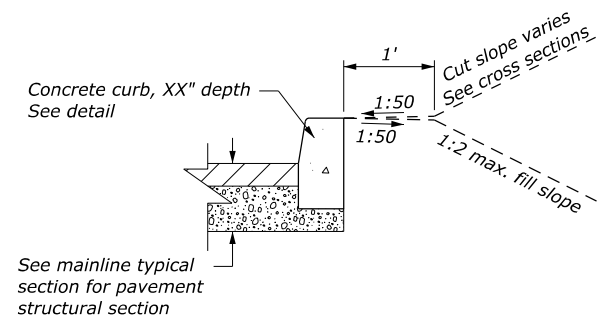


See mainline typical section for pavement structural section

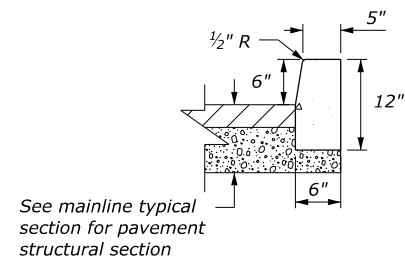
**TYPICAL CURB
AT GUARDRAIL LOCATIONS**

#. See miscellaneous summaries for locations of asphalt curb.
#. The placement of asphalt curb may be adjusted by the CO.

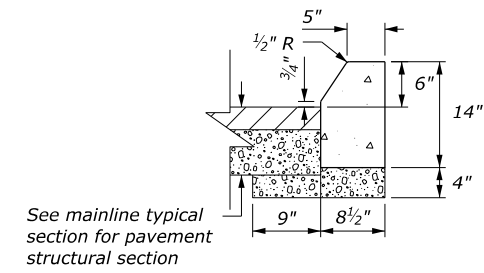
FULL DEPTH CONCRETE CURB



TYPICAL CONCRETE CURB SECTION



**CONCRETE CURB,
12-INCH DEPTH**

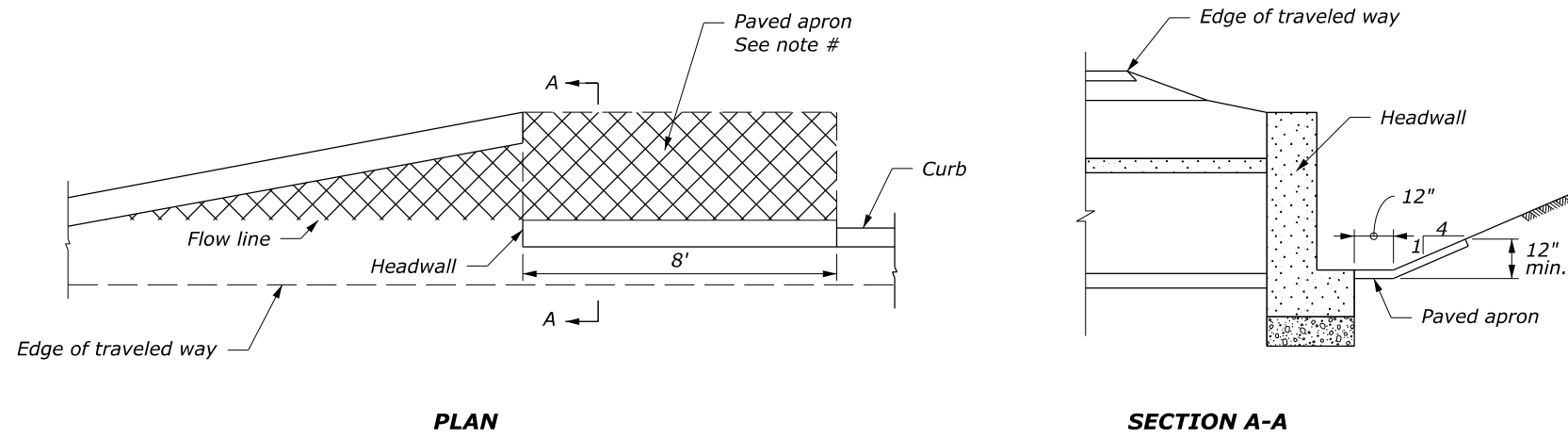


**CONCRETE CURB,
12-INCH DEPTH**

#. Backfill a concrete curbs along paved ditches.

CURB CUT AT HEADWALL

#. Paved apron paid under item 60908-1000, Paved Ditch, Asphalt.

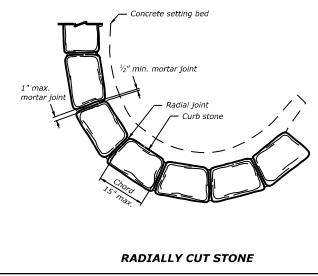
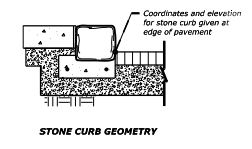
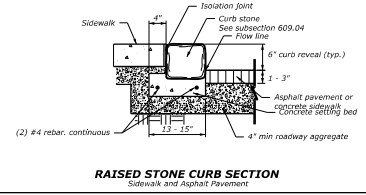
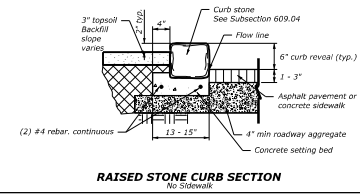
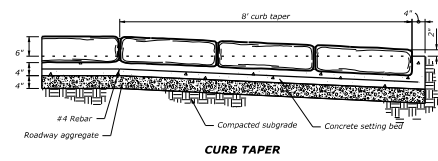
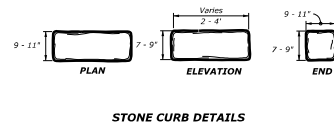
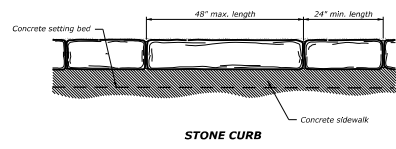


PLAN

SECTION A-A

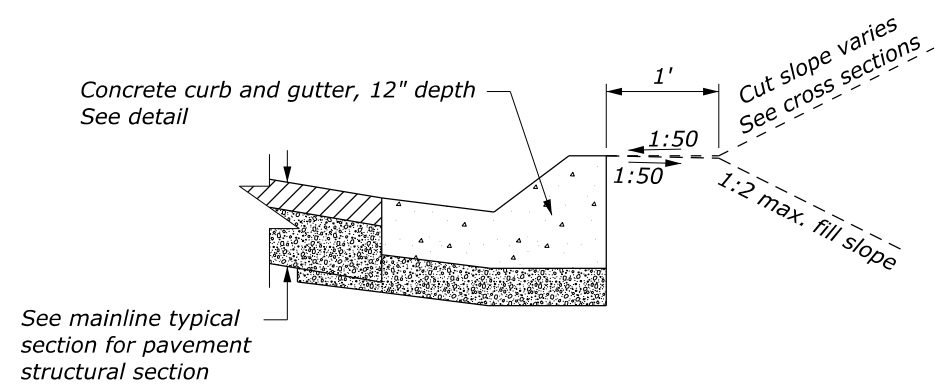
CURB CUT AND PAVED APRON AT HEADWALL

STONE CURB

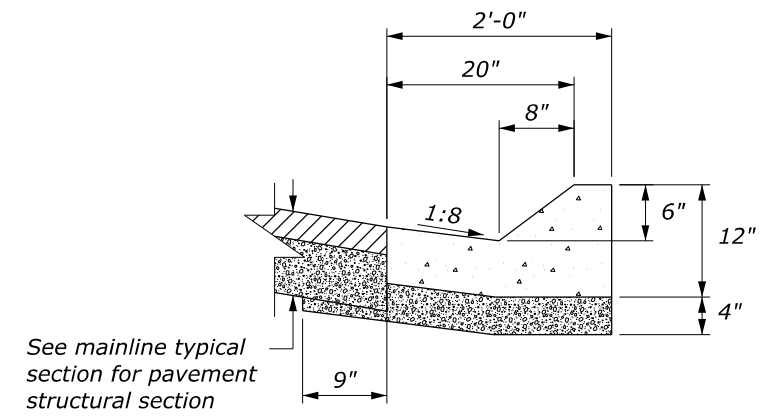


- #. Maintain 6 inches of curb reveal from top of final asphalt grade abutting curb, to top of curb (typ.).
- #. Ensure mortar joints are flush with curb.
- #. Tamp backfill behind curb a minimum distance of one foot. Cover tamped area with 3 inches of topsoil or as approved by the CD.
- #. The stone curb shown on this sheet abuts asphalt paving unless otherwise indicated.
- #. Maintain 2-inch minimum cover on rebar in setting bed.

CURB and GUTTER

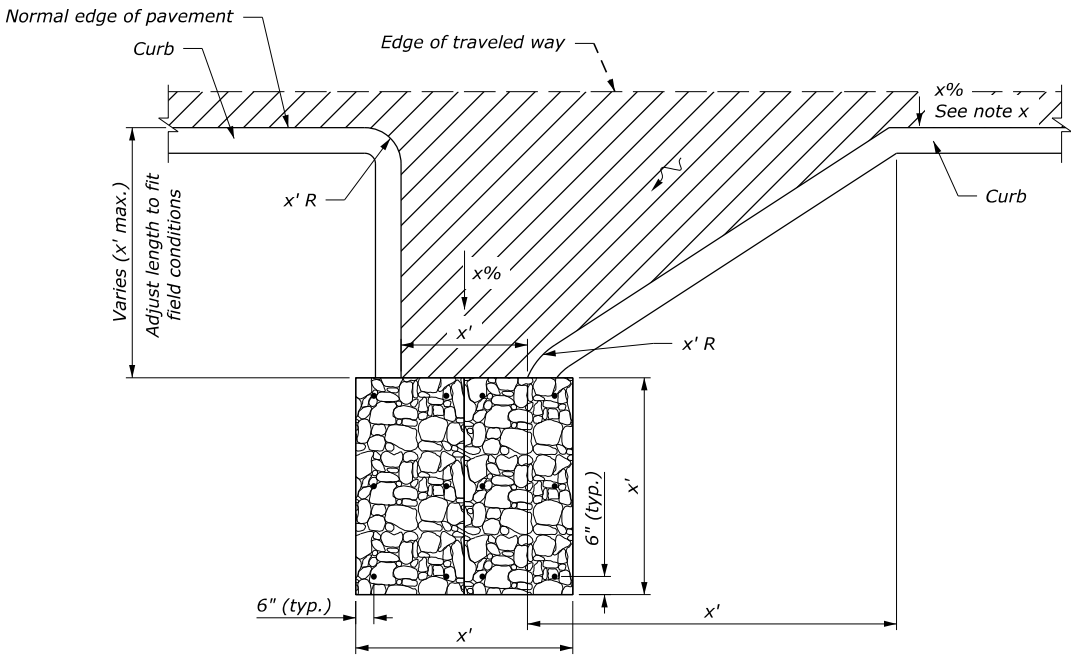


TYPICAL CURB AND GUTTER SECTION

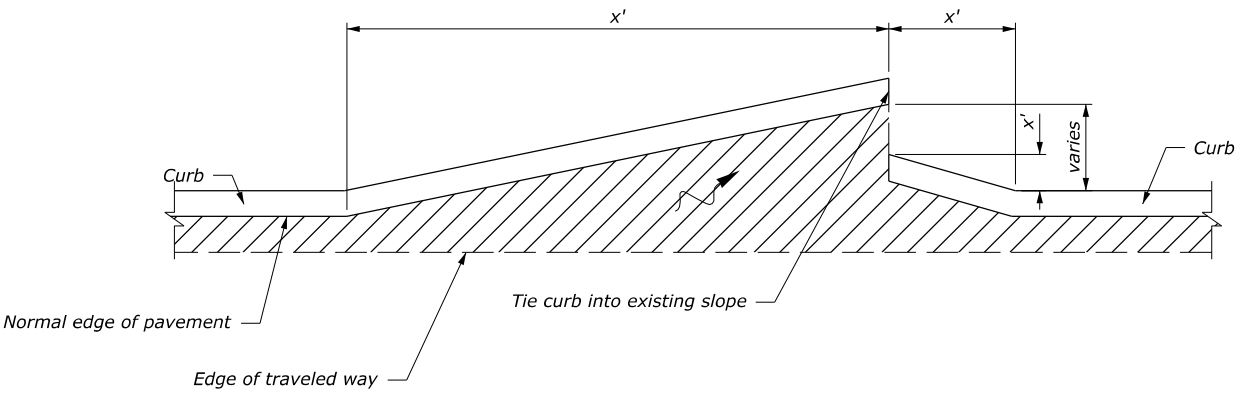


**CURB AND GUTTER,
CONCRETE 12-INCH DEPTH**

FILL AND CUT SIDE CURB CUTS

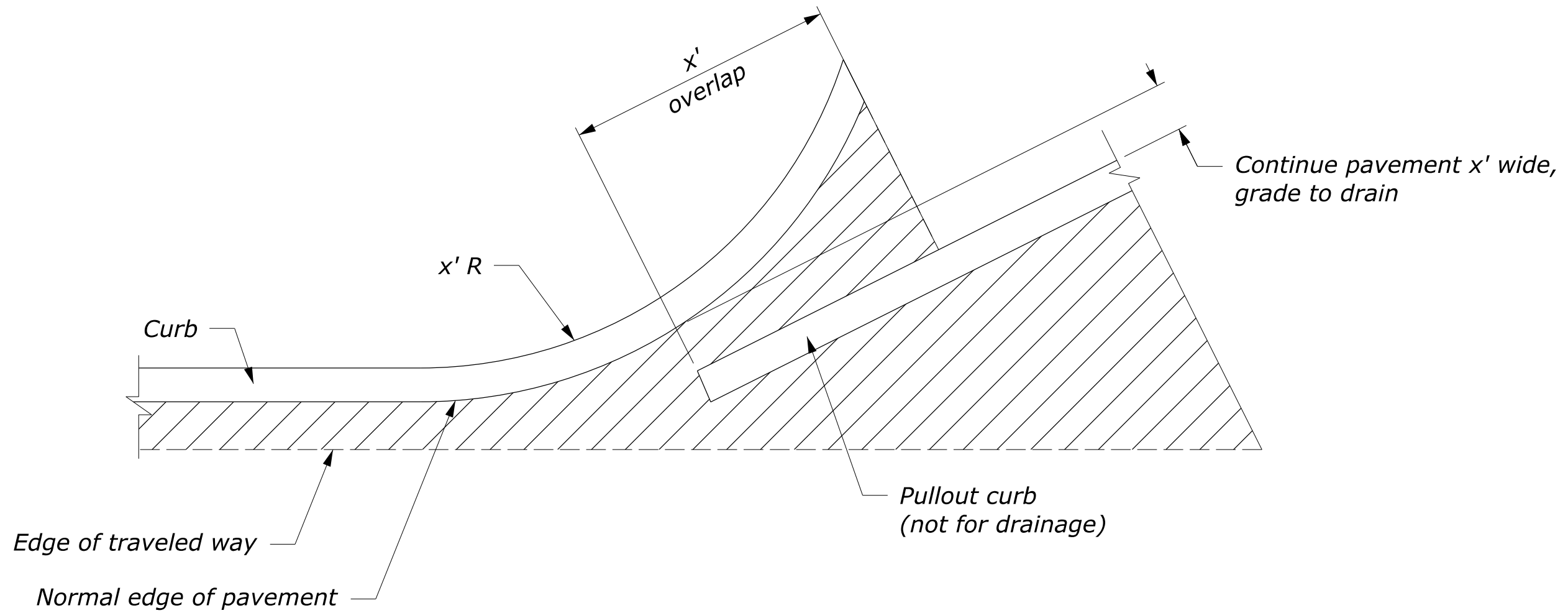


FILL SIDE CURB CUT



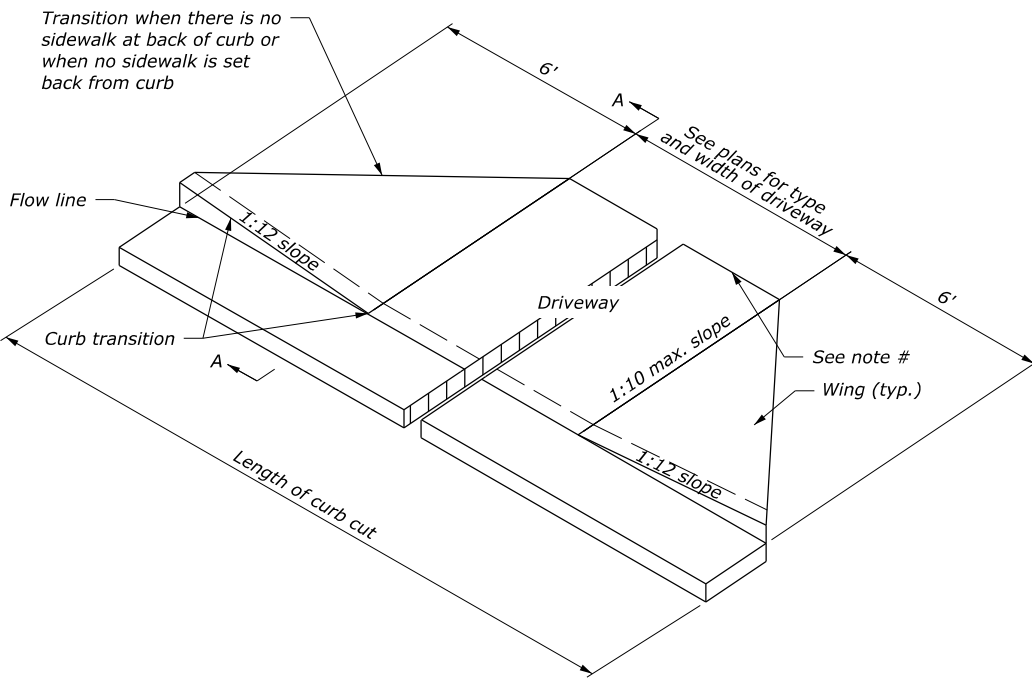
CUT SIDE CURB CUT

CURB CUT AT PULLOUT

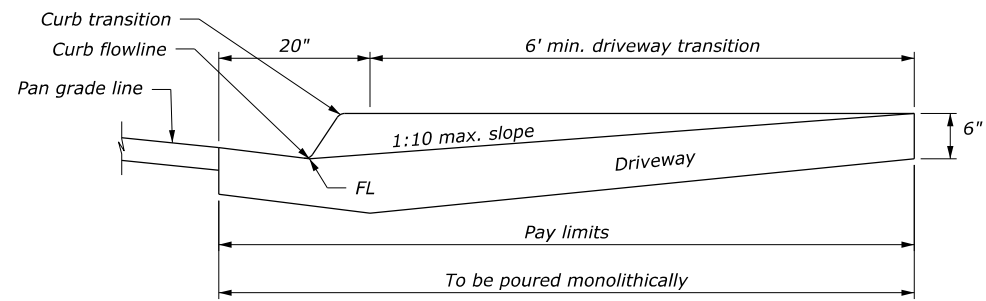


CURB CUT AT PULLOUT

CURB CUT AT DRIVEWAY WITH GUTTER

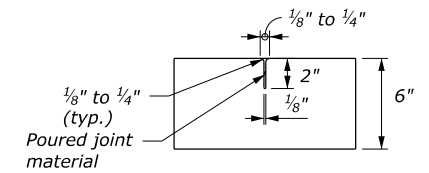


CURB CUT FOR DRIVEWAYS



**CONCRETE GUTTER
SECTION A-A**

**TRANSITION CURB AND GUTTER
TO DRIVEWAY GUTTER, CONCRETE**

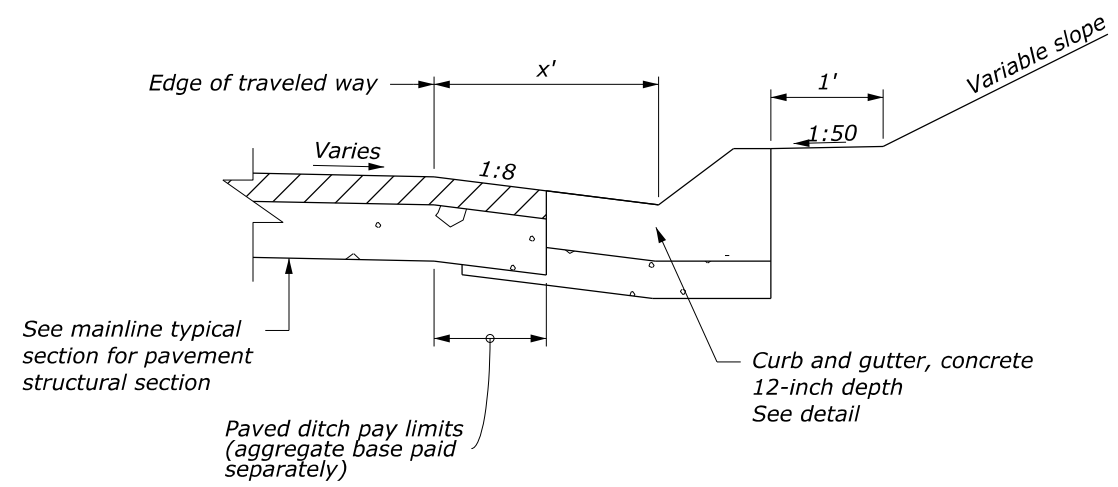


Note: Joint required where length of slab exceeds 15'.

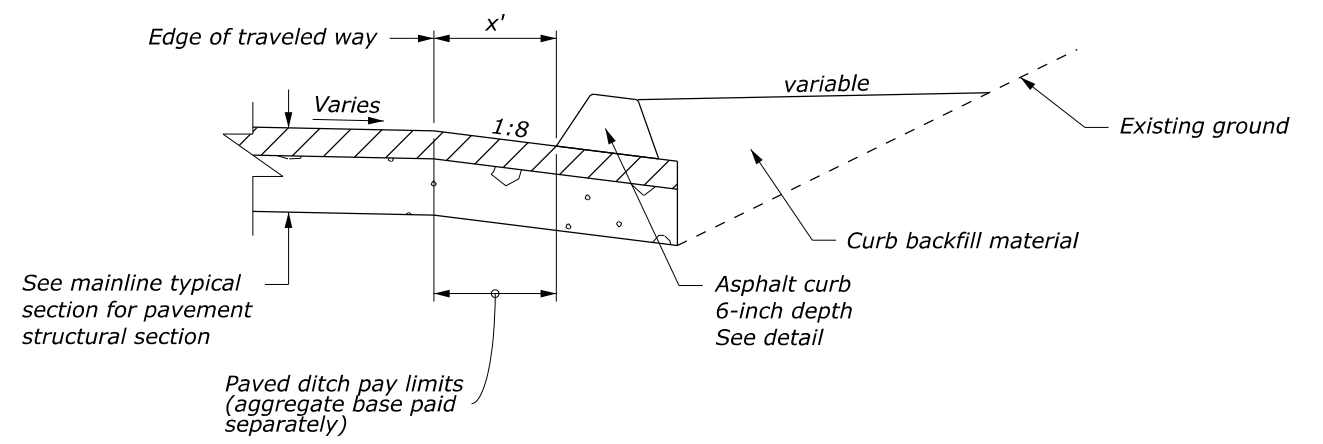
TRANSVERSE CONTRACTION JOINT FOR CONCRETE PAVEMENT (DRIVEWAYS)

#. Install expansion joints when abutting existing concrete or fixed structure. The expansion joints are $\frac{3}{4}''$ thick and extend the full depth of contact surface.

PAVED DITCH

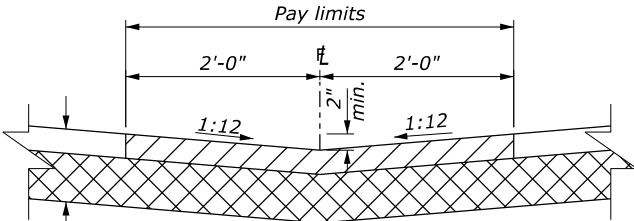


TYPICAL PAVED DITCH SECTION



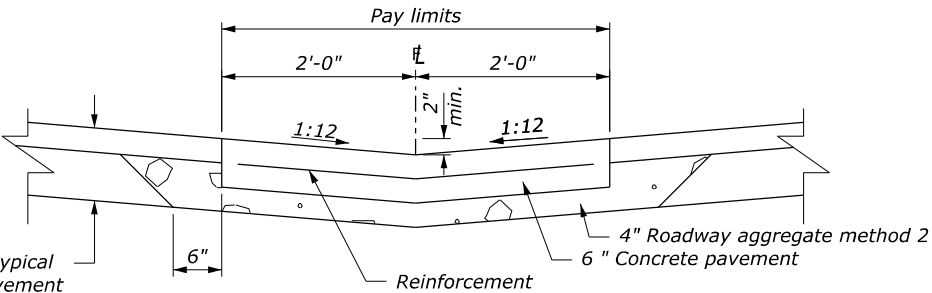
TYPICAL PAVED DITCH SECTION

GUTTER



See mainline typical section for pavement structural section

ASPHALT GUTTER

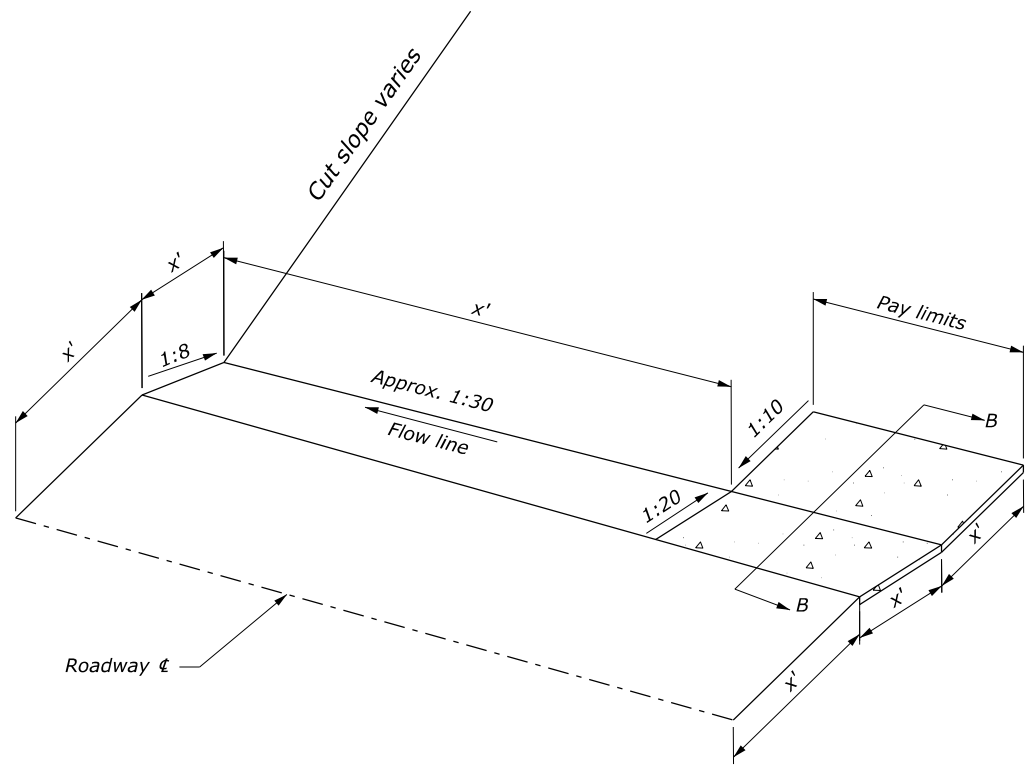


See mainline typical section for pavement structural section

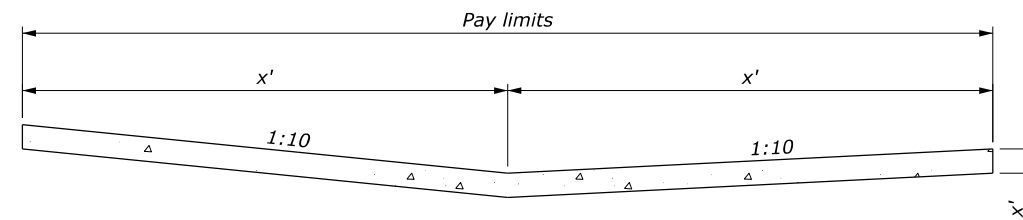
**GUTTER, CONCRETE
6-INCH DEPTH**

#. Locate profile grade of gutters at the flow line.

DITCH TO GUTTER TRANSITION



TRANSITION GRADED DITCH



**CONCRETE GUTTER
SECTION B-B**

TRANSITION GRADED DITCH TO DRIVEWAY CONCRETE GUTTER