GUIDELINES FOR
STANDARD PLAN MODIFICATION

May 5, 2010

Use these guidelines when incorporating modified Standard Plans into your roadway plan sets.

If a Standard Plan sheet contains details not associated with your project, it is optional for designers to cross out the undesired details.

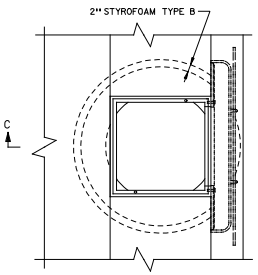
If any change is made to a Standard Plan sheet, including crossing out details as mentioned above, the following must be done to the plan sheet:

- Clearly cross-out the *Standard Sheet No*. and *Standard Approved* boxes in the sheet border.
- Add "Modified" text just above the Standard Sheet No. to indicate the standard plan has been modified.
- Add a signature block to the left of the title block for engineer's signature.
- Clearly cross-out and move any *Revision Date* notation, if present, to the left of or above the signature block.
- Identify the changes made to the details.
    - Label the changes using italicized text.
    - Footnote the changes with an asterisk. Place the following footnote above the signature block in italics: * *DENOTES MODIFICATION FROM STANDARD PLAN*
    - Use the MicroStation custom line style **StdsPlnMod** to place a double line (thick/thin) box around the text to highlight/identify the modification(s).

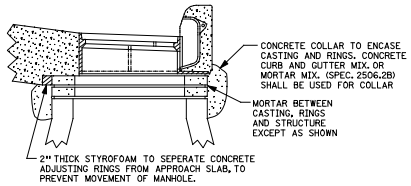
Mn/DOT Internal Only - When accessing Standard Plan CADD files from ProjectWise, only those file versions marked APPROVED are suitable to be included as a Standard Plan. Those versions marked Historical or Working are not to be included as a Standard Plan.

See example of Non-Modified and Modified Standard Plans on the following sheets.

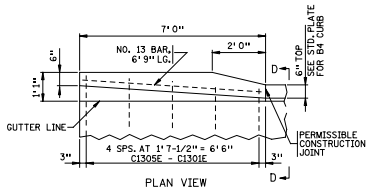
SUMMARY OF QUANTITES FOR BRIDGE APPROACH PANEL	
CONCRETE MIX NO. 3X42	CU. YD.
REINFORCEMENT BARS	LBS.
CURB DESIGN B4 INTEGRANT	LIN. FT.
CURB DESIGN B424	LIN. FT.



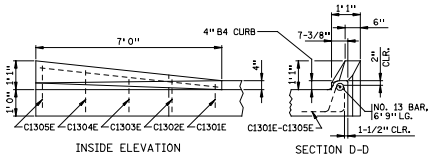
PLAN VIEW OF C. B. CASTING



SECTION C-C
(GRATE NOT SHOWN)



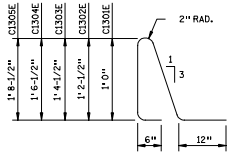
PLAN VIEW



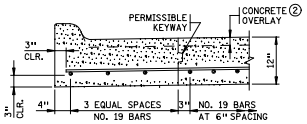
INSIDE ELEVATION

SECTION D-D

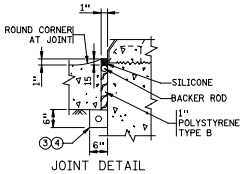
CURB TRANSITION DETAILS ①



C1301E- C1305E ①



CURB DETAIL ①
(B4 INTEGRANT CURB OR B424 MODIFIED CURB AND GUTTER)



JOINT DETAIL
(AT PARALLEL WINGWALLS)

NOTES:

ALL REBARS ARE IN METRIC DESIGNATIONS

① ALL REINFORCEMENT IN APPROACH PANEL AND CURB SHALL BE GRADE 60 AND EPOXY COATED AS PER SPEC. 3301.

② APPROACH SLAB THICKNESS SHOWN INCLUDES ANY CONCRETE OVERLAY THAT MAY BE REQUIRED. SEE BRIDGE PLANS FOR REQUIREMENTS. CONCRETE OVERLAYS TO BE INCLUDED IN BRIDGE QUANTITIES AND DONE AT THE SAME TIME BY BRIDGE CONTRACTOR.

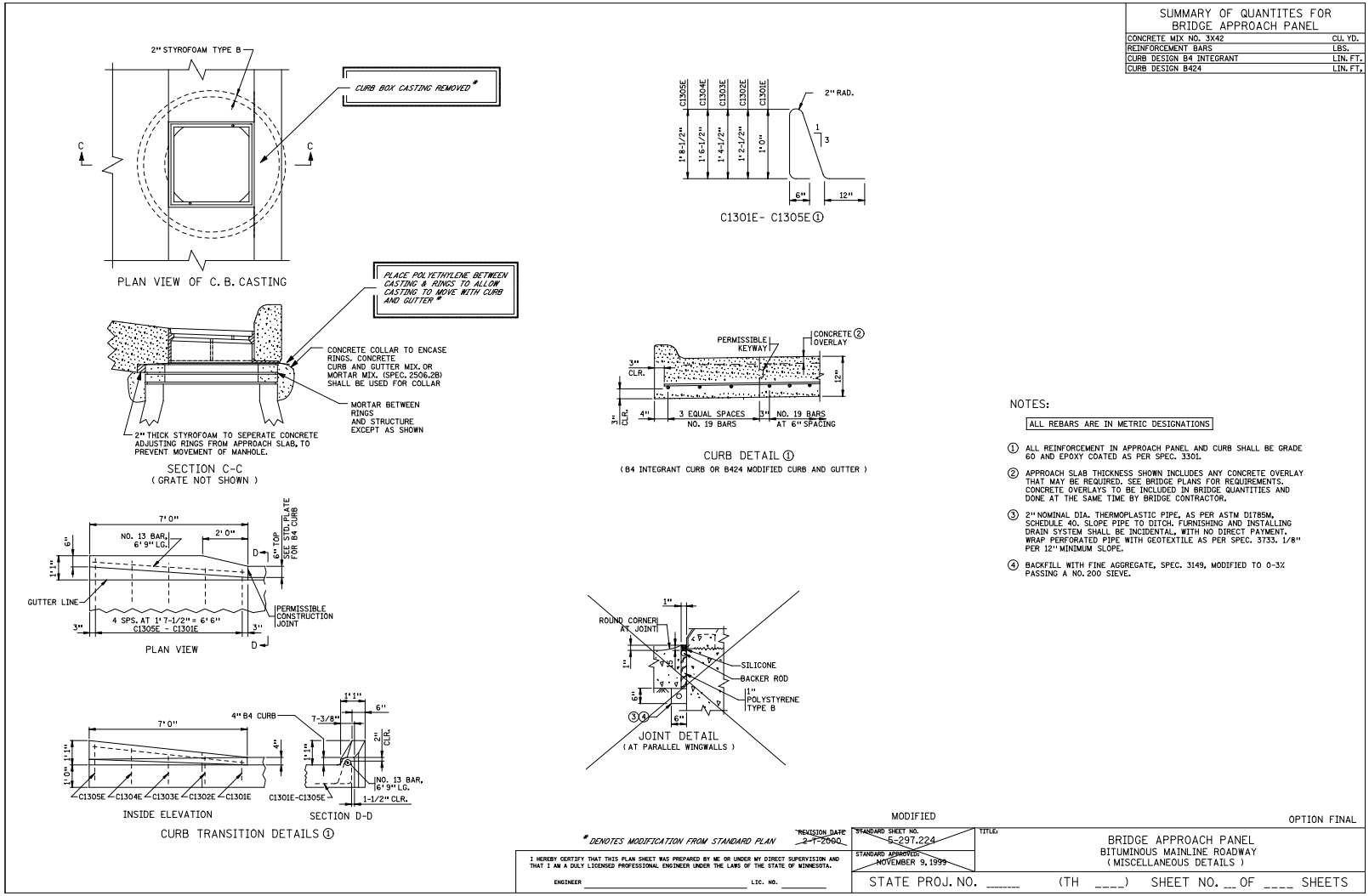
③ 2" NOMINAL DIA. THERMOPLASTIC PIPE, AS PER ASTM D1785M, SCHEDULE 40. SLOPE PIPE TO DITCH. FURNISHING AND INSTALLING DRAIN SYSTEM SHALL BE INCIDENTAL, WITH NO DIRECT PAYMENT. WRAP PERFORATED PIPE WITH GEOTEXTILE AS PER SPEC. 3733. 1/8" PER 12" MINIMUM SLOPE.

④ BACKFILL WITH FINE AGGREGATE, SPEC. 3149, MODIFIED TO 0-3% PASSING A NO. 200 SIEVE.

STANDARD SHEET NO. 5-297.224	TITLE: BRIDGE APPROACH PANEL BITUMINOUS MAINLINE ROADWAY (MISCELLANEOUS DETAILS)
STANDARD APPROVED: NOVEMBER 9, 1999	
REVISION DATE 2-7-2000	STATE PROJ. NO. _____ (TH ____) SHEET NO. __ OF ____ SHEETS

NOVEMBER 9, 1999 5-297.224

STANDARD PLAN 5-297.224 ***NON-MODIFIED***



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CONCRETE MIX NO. 3X42	CU. YD.
REINFORCEMENT BARS	LBS.
CURB DESIGN B4 INTEGRANT	LIN. FT.
CURB DESIGN B424	LIN. FT.

NOTES:

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* DENOTES MODIFICATION FROM STANDARD PLAN

I HEREBY CERTIFY THAT THIS PLAN SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

ENGINEER _____ LIC. NO. _____

MODIFIED

OPTION FINAL

REVISION DATE ~~2-7-2000~~

STANDARD SHEET NO. ~~5-297.224~~

STANDARD APPROVED: ~~NOVEMBER 9, 1999~~

TITLE: BRIDGE APPROACH PANEL
BITUMINOUS MAINLINE ROADWAY
(MISCELLANEOUS DETAILS)

STATE PROJ. NO. _____ (TH ____) SHEET NO. __ OF ____ SHEETS

STANDARD PLAN 5-297.224 ***MODIFIED***