

**SURMOUNTABLE CONCRETE CURB AND GUTTER**

**CONCRETE CURB AND GUTTER B618**

ERSTD-ST

STANDARD PLATE NO. 2000

City of Elk River

**PEDESTRIAN CURB RAMPS FOR SIDEWALKS**

ERSTD-ST

STANDARD PLATE NO. 2003

City of Elk River

**CATCH BASIN FRAME PLACEMENT SURMOUNTABLE CURB AND GUTTER**

ERSTD-ST

STANDARD PLATE NO. 2005

City of Elk River

**MATCH EXISTING BITUMINOUS SURFACING**

ERSTD-ST

STANDARD PLATE NO. 2006

City of Elk River

**SHALLOW CATCH BASIN**

ERSTD-SM

STANDARD PLATE NO. 2500

City of Elk River

**STANDARD MANHOLE**

ERSTD-SM

STANDARD PLATE NO. 2501

City of Elk River

**SLAB TOP MANHOLE**

ERSTD-SM

STANDARD PLATE NO. 2502

City of Elk River

PIPE SIZE	THREAD DIAMETER
12	
15	5/8"
18	ROLLED THREADS (SEE NOTE 4)
21	
24	
27	
30	
33	
36	3/4"
42	CUT OR ROLLED
48	
54	
60	
66	
72	
78	
84	1"
90	CUT OR ROLLED
96	
102	
108	
120	
132	

**CONCRETE PIPE JOINT TIES**

ERSTD-SM

STANDARD PLATE NO. 2503

City of Elk River

NO.	DATE	BY	DESCRIPTION

DESIGNED M.P.C. DRAWN M.L.H.

CHECKED M.P.C.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT 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.

Martin F. [Signature]  
DATE: 3/14/04 LICENSE # 19901

Web Site: [www.ottoassociates.com](http://www.ottoassociates.com)

**OTTO ASSOCIATES**  
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**PRESTIGIOUS WOODLAND HILLS**  
BREUER FAMILY LLP  
ELK RIVER, MN

DETAILS

SHEET NO. 12 OF 14 SHEETS

PROJECT NO: 2-02-0628

DATE: 9/23/04

Record Plans 2-02-05 Utility Contractor: Hennen Construction