

RIp-RAP INSTALLATION

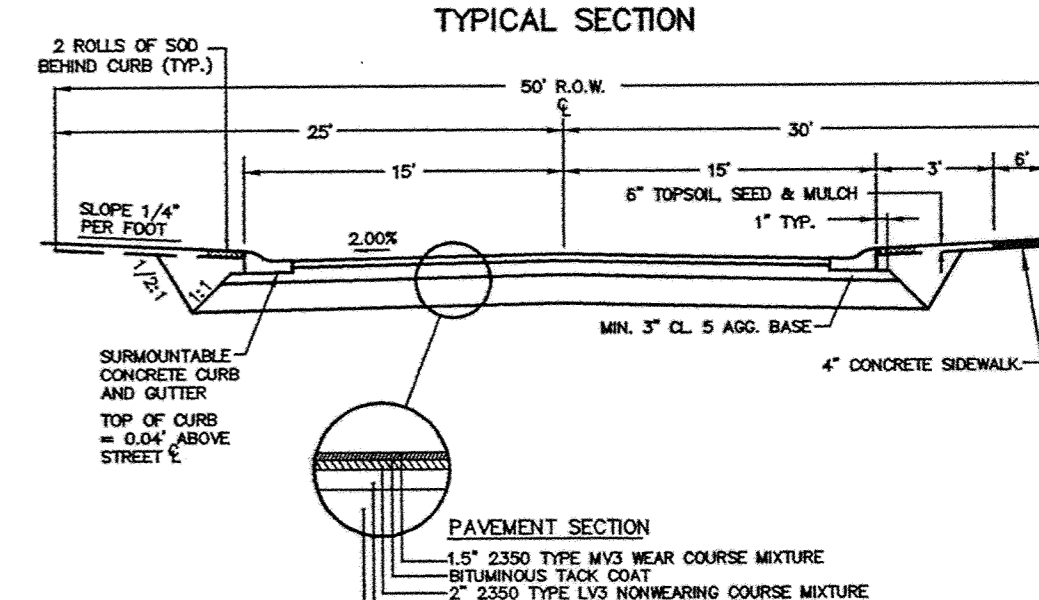
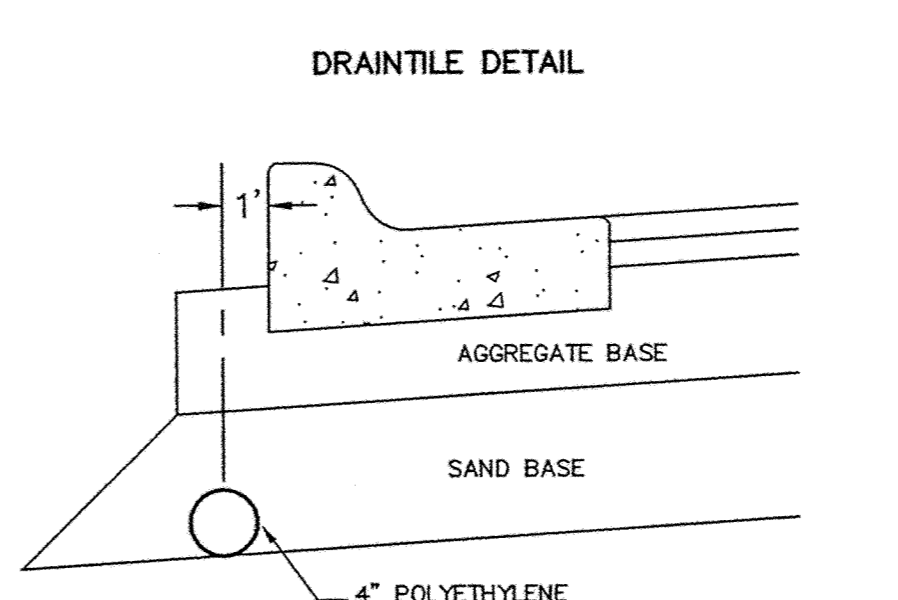
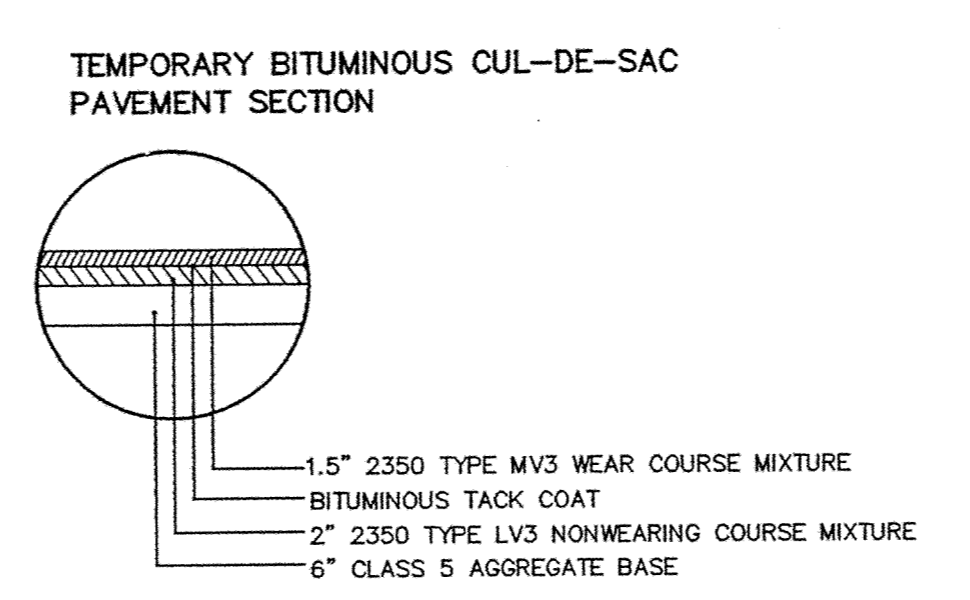
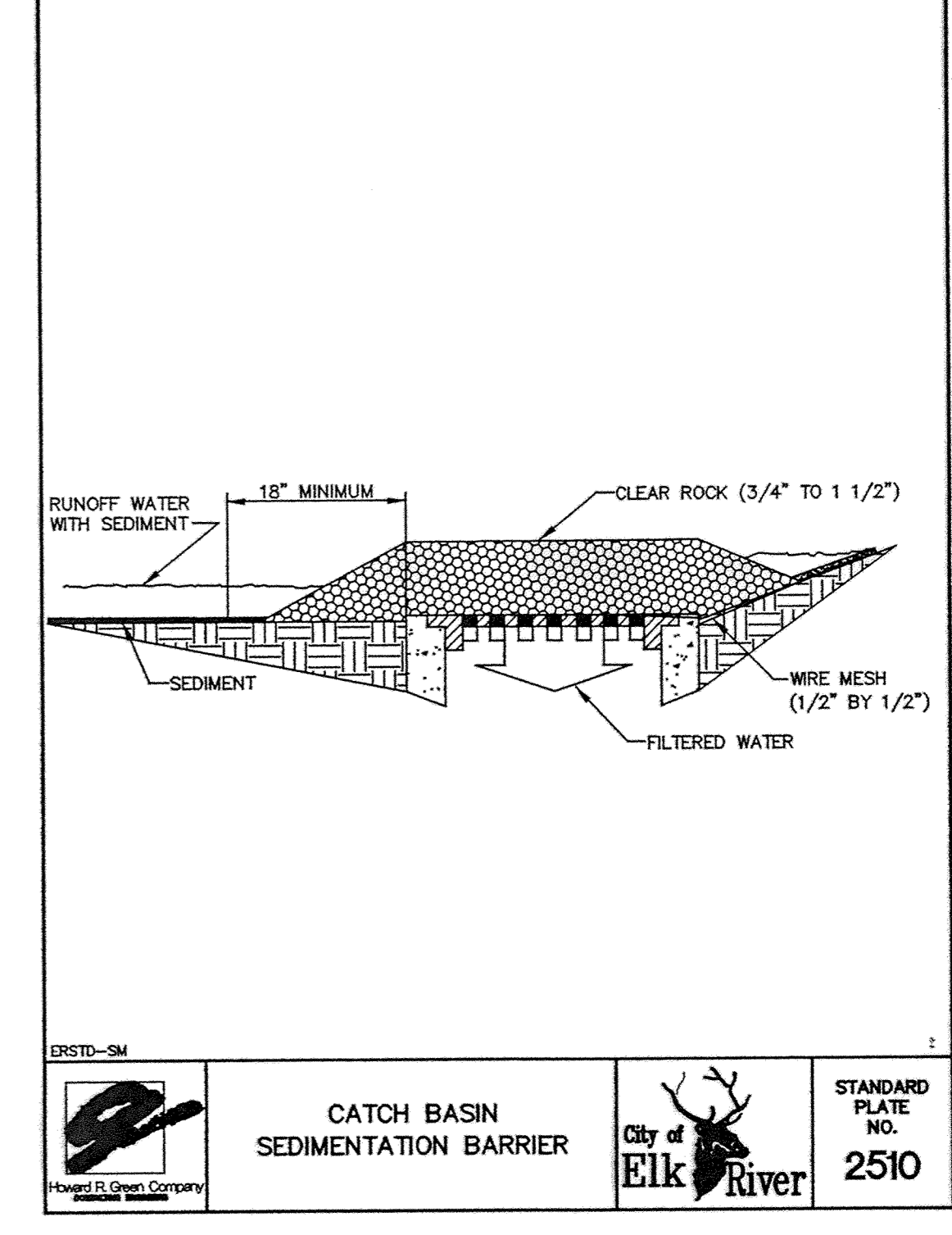
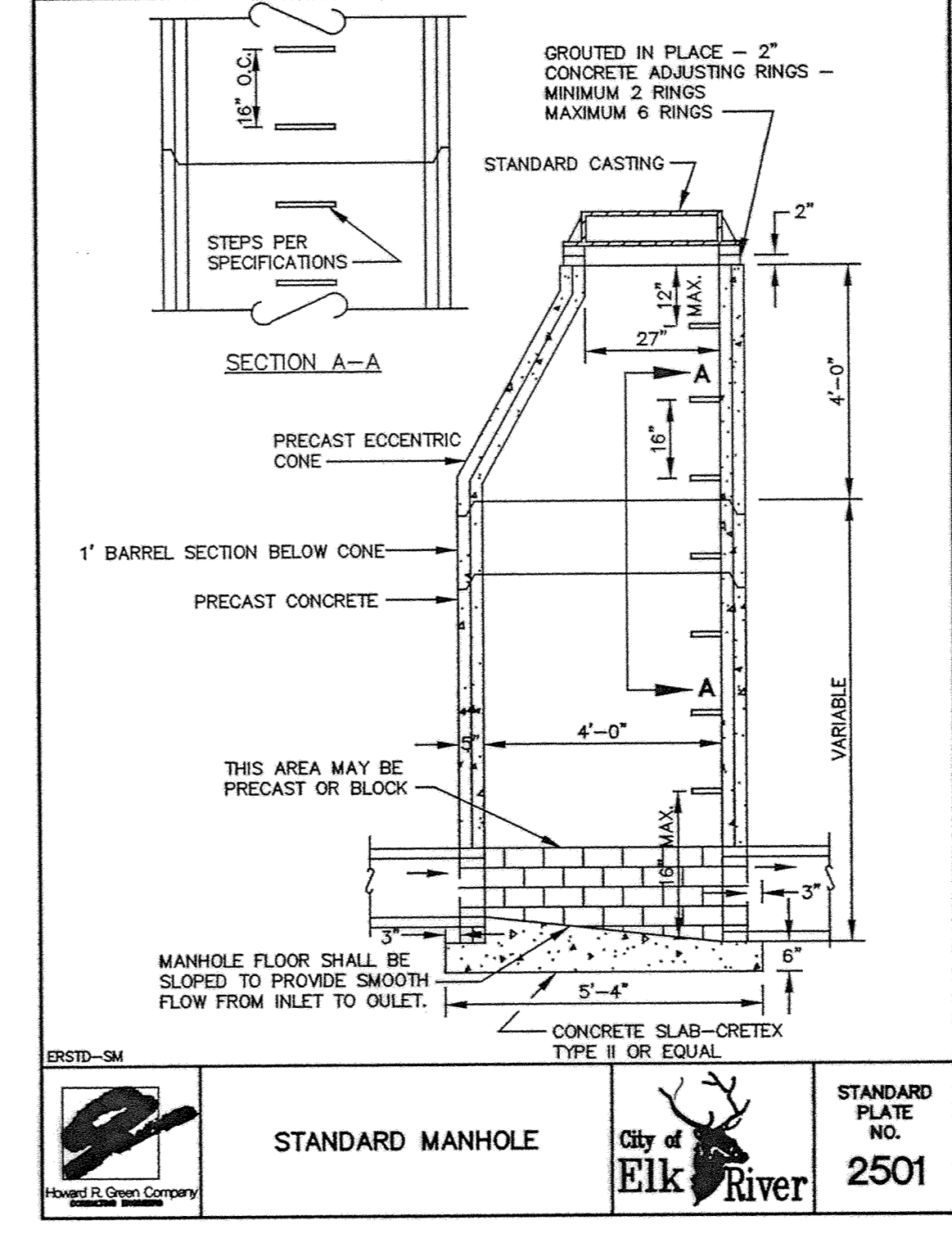
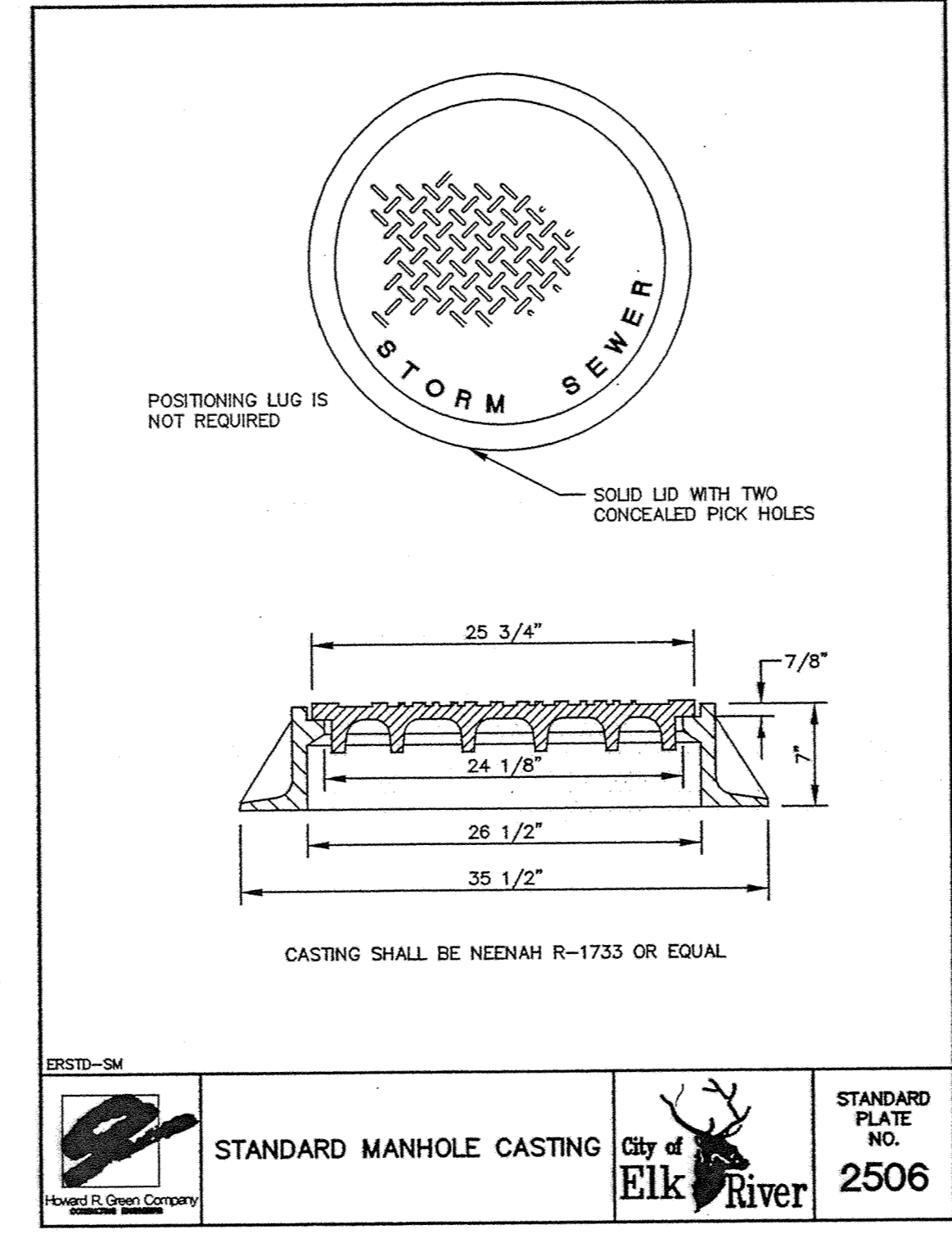
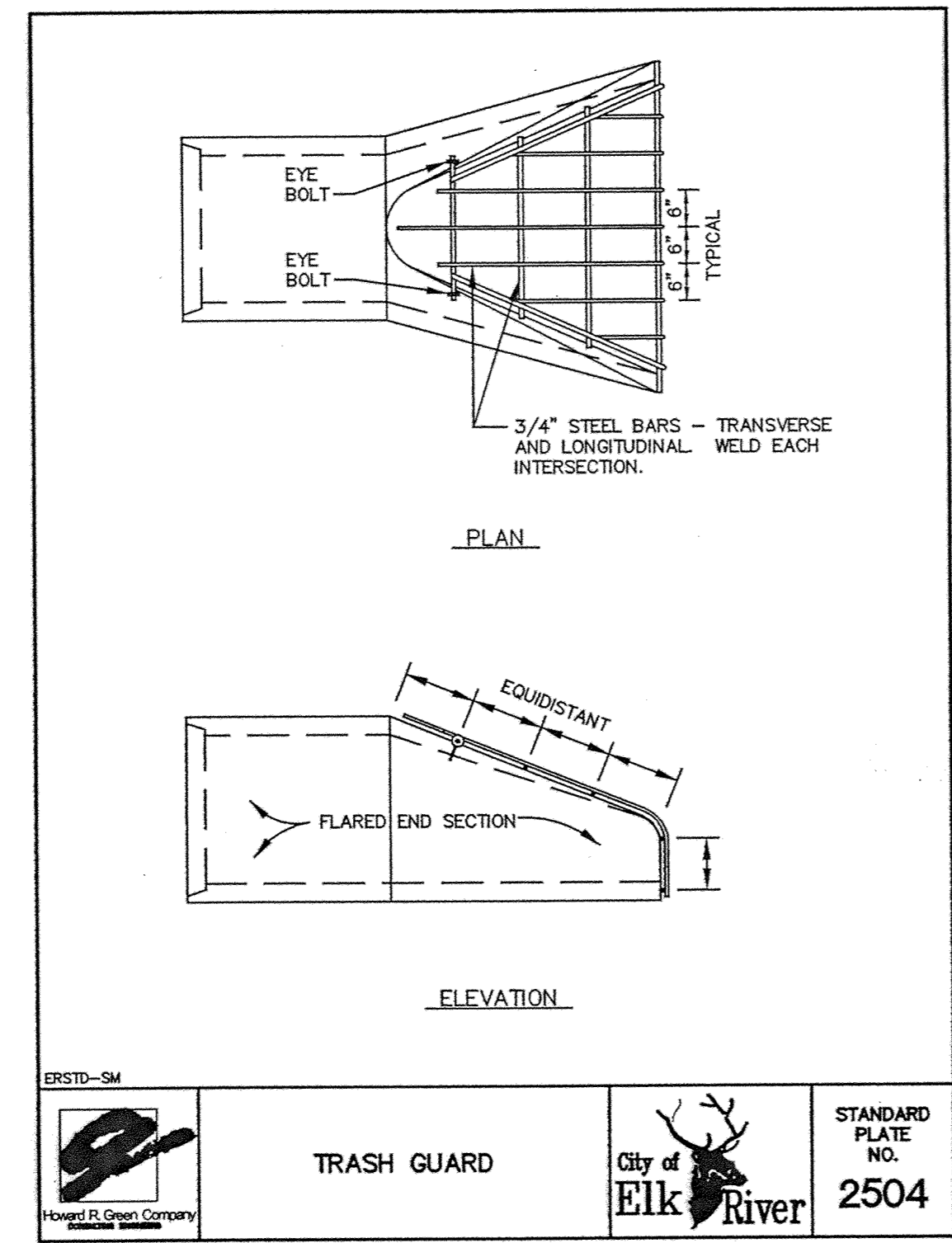
ERSTD-SM

City of Elk River

STANDARD PLATE NO. 2505

TABLE OF QUANTITIES RIPRAP AT RCP OUTLETS

DIA OF RCP/PIPE (IN)	L (FT)	CLASS IV d ₅₀ =12"	
		12\"/>	
12	8	5.5	2.8
15	8	5.8	2.9
18	10	7.8	3.9
21	10	8.4	4.2
24	12	11.0	5.5
27	12	11.6	5.8
30	14	14.5	7.3
36	16	18.3	9.2
42	18	21.7	10.9
48	20	25.8	12.9



PIONEER engineering

2422 Enterprise Drive
 Mendota Heights, MN 55120
 (612) 881-1114 FAX: 881-2488
 LAND PLANNERS - LANDSCAPE ARCHITECTS
 623 Highway 10, E
 Brooklyn Park, MN 55443
 (763) 763-1880 FAX: 763-1883

I hereby certify that this plan 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

Name Paul J. Chernie
 Reg. No. 19850 Date 6/20/02

1. AS-BUILTS

Revisions
 1. 6/14/05

Date 6/20/02 SHEET TITLE DETAILS
 Designed bfk
 Drawn BFK

OWNER GSS PROPERTIES LLC
 8857 ZEALAND AVENUE NORTH
 BROOKLYN PARK, MINNESOTA 55445

PROJECT KLIEVER LAKE FIELDS PHASE 2

SHEET 7 OF 9 SHEETS

RECORD PLAN 6/14/05

SAICO PRODUCTS • NEW HOPKINS, MINNESOTA
 REQUESTED BY PART NUMBER 0502
 PREPARED BY: HOWARD R. GREEN
 PROJECT NUMBER: 0502
 SHEET NUMBER: 0502-07
 DATE: 06/12/02
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