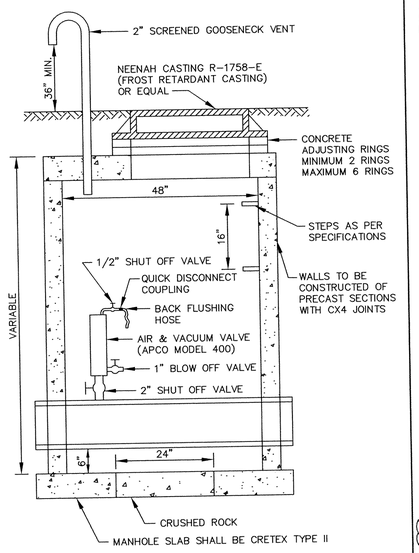
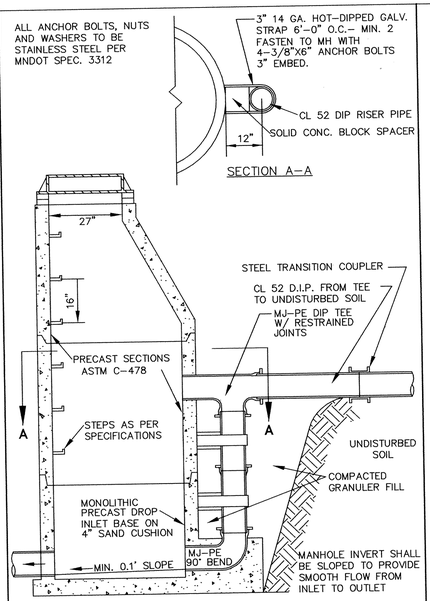
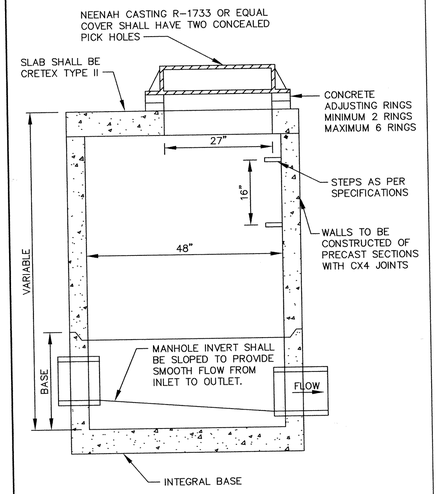


STANDARD AIR RELIEF MANHOLE



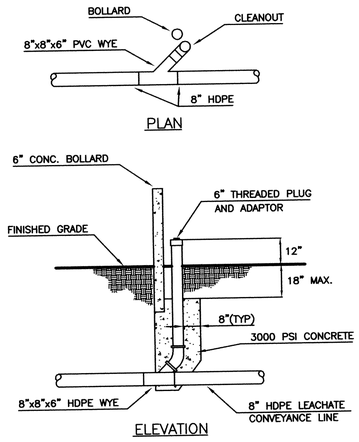
OUTSIDE DROP MANHOLE



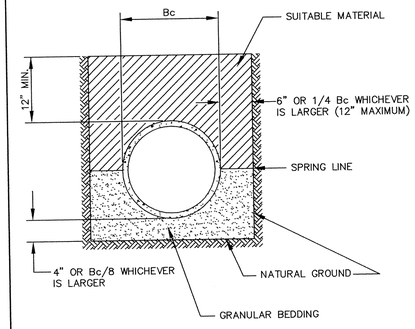
NOTE:

THIS TYPE MANHOLE SHALL BE USED WHEN SPECIFIED OR WHEN THE MANHOLE DEPTH IS LESS THAN EIGHT FEET.

SLAB TOP MANHOLE

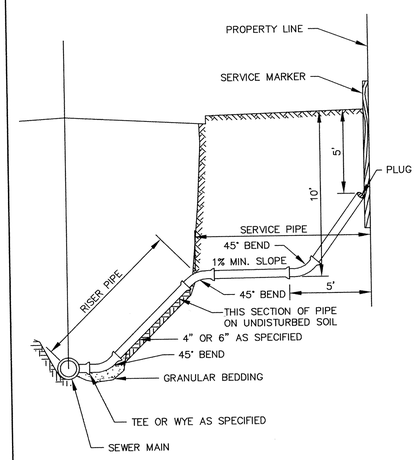


TYPE B CLEANOUT DETAIL



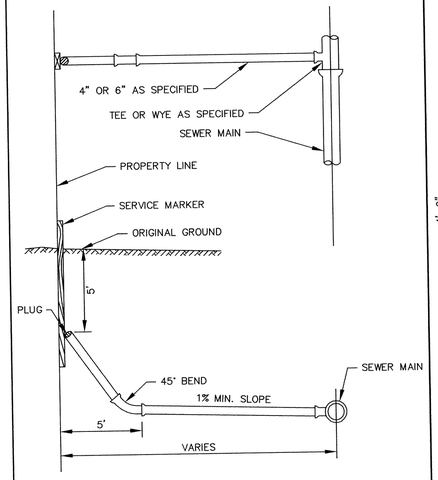
NOTE: ALL COSTS OF EXCAVATION BELOW GRADE AND PLACEMENT OF GRANULAR BEDDING SHALL BE INCLUDED IN THE BID PRICES FOR PIPE ITEMS.

CLASS B PIPE BEDDING

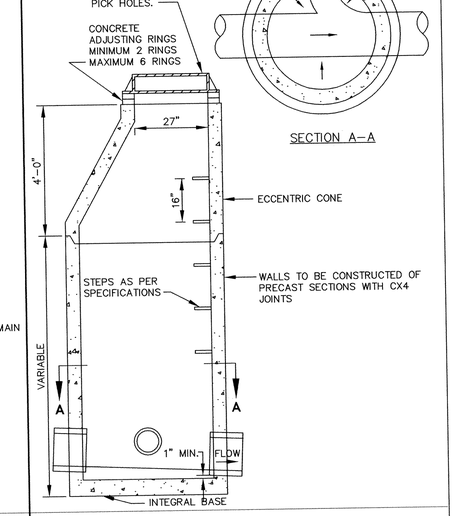


TO BE USED AS SERVICE CONNECTIONS ON DEEP LINES

SERVICE RISER SECTION



TYPICAL HOUSE SERVICE



STANDARD MANHOLE

RECORD DRAWING - JANUARY 2004

DRAWN GSO
DATE 5/12/03
SCALE NA
PROJECT R0101.001
CHECKED
APPROVED

SANITARY SEWER DETAILS
HILLSIDE ESTATES 9TH ADDITION
CITY OF ELK RIVER, MINNESOTA

OWNER/DEVELOPER
RIVERSIDE COMPANIES
19230 EVANS STREET, SUITE 115
ELK RIVER, MINNESOTA
PHONE: 763-241-1801

METRO
LAND SURVEYING & ENGINEERING
412 East County Road D, Little Canada, MN 55117
Phone: (651)766-9454 Fax: (651)766-9582
E-mail: survey@metrois.com

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.
JOHN C. JOHNSON
DATE 3/12/03 LICENSE NO. 11546

BY	REVISIONS	DATE

D1

DRAWING NUMBER

SAFCO PRODUCTS • NEW HOPE, MINNESOTA
REORDER BY PART NUMBER 6502
POSITION EDGE OF PART ON THIS LINE

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HILLSE9.04
12