

JBF 9/20/04 SUBMITTAL Revi By Date Description Date Scale 3/8"=1'0" 9/20/04 Drawn by Checked Eng. JIRE Checked Prod. Approved by

Title

4-FT DIA. DOWNSTREAM DEFENDER

GRANDVIEW ESTATES SUPERIOR, WI

GENERAL ARRANGEMENT



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CAD Ref: GA1

Project No. 2004-358

Rev. Drawina No. GA1

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DEFENDER PIPE CONNECTIONS:

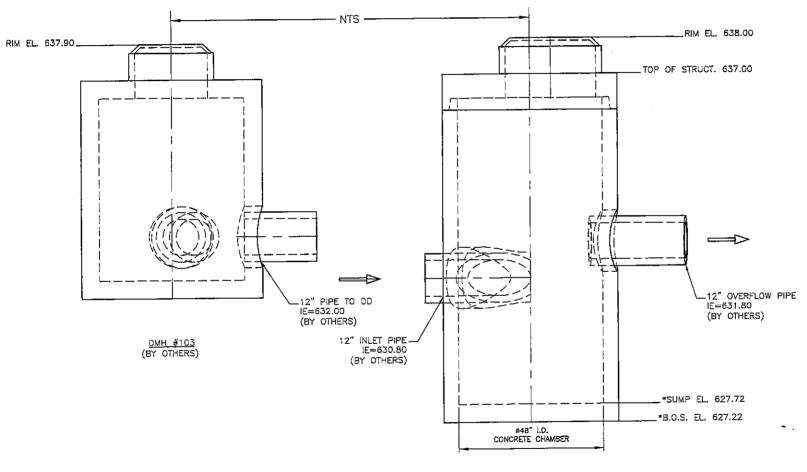
1. RECOMMEND RCP OR PVC OVERFLOW PIPE.

2. LARGE DIAMETER COUPLING REQUIRED TO CONNECT OVERFLOW PIPE TO OVERFLOW PIPE STUB.

OVERFLOW PIPE STUB DIMENSIONS: O.D.=12 1/2", I.D.=12", STUB LENGTH=3" INLET PIPE ENTERS UNIT TANGENT TO INSIDE OF DEFENDER MANHOLE.

CUT PIPE OFF AT 30" ANGLE. (SEE INSTALLATION INSTRUCTIONS.)

4. GROUT INLET AND OVERFLOW PIPES WITH NON-SHRINK GROUT TO ENSURE A WATERTIGHT CONNECTION.



*SUMP ELEVATION MAY VARY SLIGHTLY FROM THE ELEVATION SHOWN BY THIS DRAWING. USE THE INVERT OF THE OVERFLOW PIPE STUB AS A REFERENCE WHEN SETTING THE MANHOLE.

DOWNSTREAM DEFENDER INTERNAL COMPONENTS NOT SHOWN

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GRANDVIEW ESTATES SUPERIOR, WI

ELEVATION VIEW



94 Hutchins Drive Portland, Maine 04102 tel: (207) 756-6200 fax: (207) 756-6212 email: hiltech@hil-tech.com

CAD Ref: GA3

Project No. 2004-358

Drawing No. GA3 Rev.

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