

AIR RELEASE VALVE
VALMATIC MODEL 105A.2
APCO MODEL 50, 3/4"

AIR/VACUUM VALVE
VALMATIC MODEL 102, 150PSI
APCO MODEL 144

CHECK VALVE
VALMATIC MODEL 112
APCO MODEL 112

—INCLUDE OPTIONS: EPOXY COATED
BACK FLOW ACTUATOR
ELECTRONIC OPEN/CLOSED SENSOR RELAY.
COORDINATE W/ I&C SUPPLIER FOR SYSTEM INTERFACE.

BUTTERFLY VALVE
PRATT BAW
DEZURIK 2F II
—INCLUDE OPTIONS: HANDWHEEL
OPERATOR
STAINLESS STEEL BOLTS

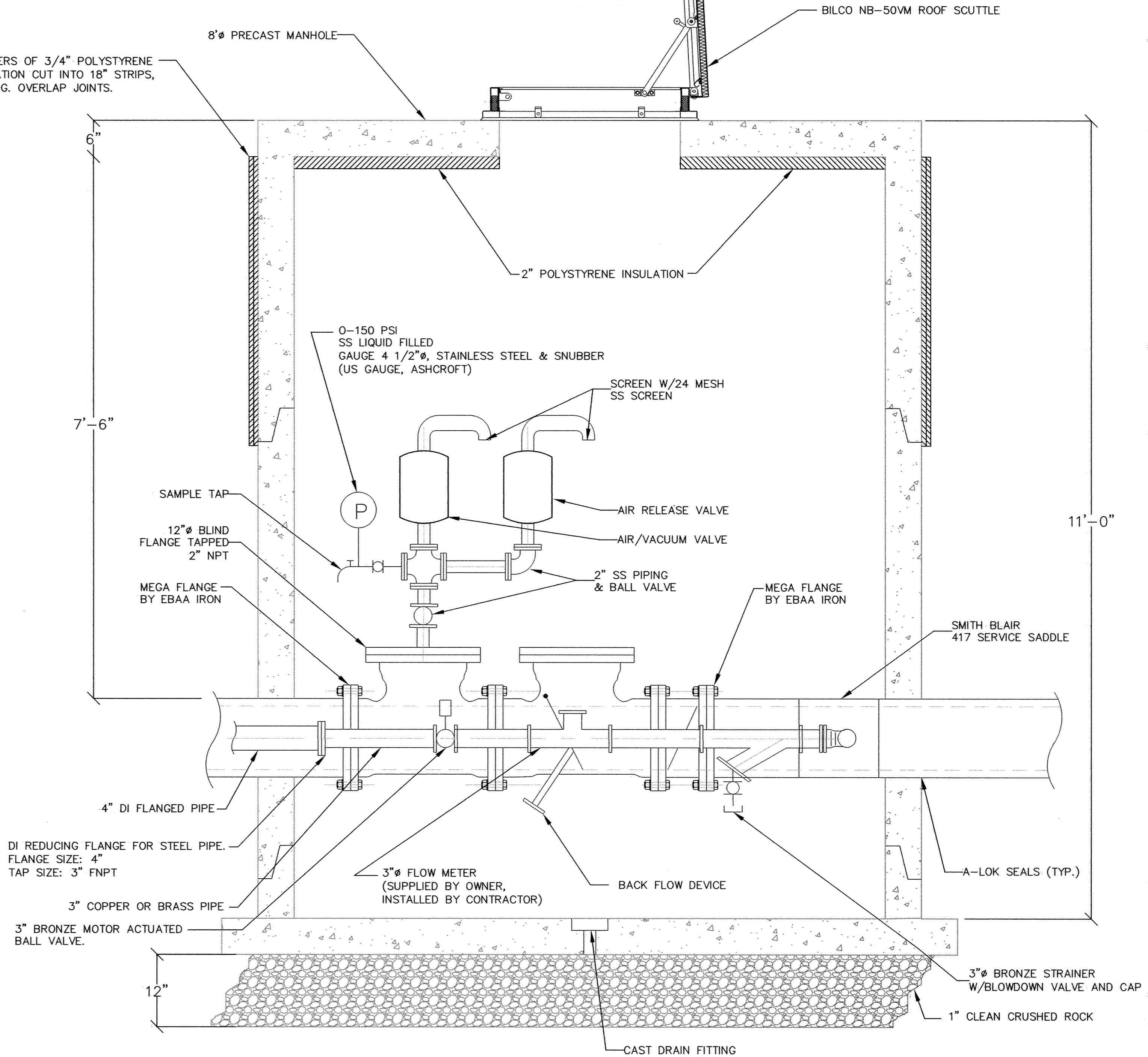
MOTOR ACTUATED BALL VALVE
APOLLO 71-140-01
WITH AE-1000-1BD ACTIVATOR

1 PLAN VIEW

SCALE: 1"=1'

821480J

2 LAYERS OF 3/4" POLYSTYRENE
INSULATION CUT INTO 18" STRIPS,
4' LONG. OVERLAP JOINTS.



2 SECTION VIEW

SCALE: 1"=1'

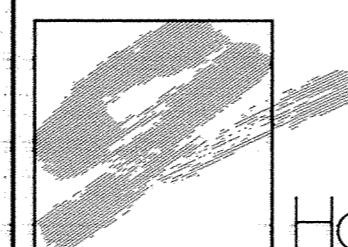
821480J

DESIGNED BY: DESIGNED BY: DRAWN BY: RKM
APPROVED BY: APPROVED BY: JOB NUMBER 820850J
CAD DATE: January 11, 2005 8:36:25 a.m.
CAD FILE: 820850J\As-Built\C\CT-U02.DWG (JCUNNIN)

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.

SIGNATURE: _____ DATE: _____
PRINTED NAME: CHRIS CATLIN LIC. NO. 25686

NO.	DATE	BY	REVISION DESCRIPTION



Howard R. Green Company

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ELK RIVER MUNICIPAL UTILITIES

VALVE STATION DETAILS
2003 RAW WATERMAIN IMPROVEMENTS

SHEET NO.

14

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER
03RW1.05
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