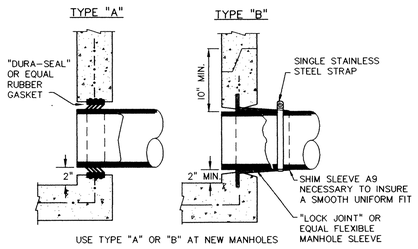
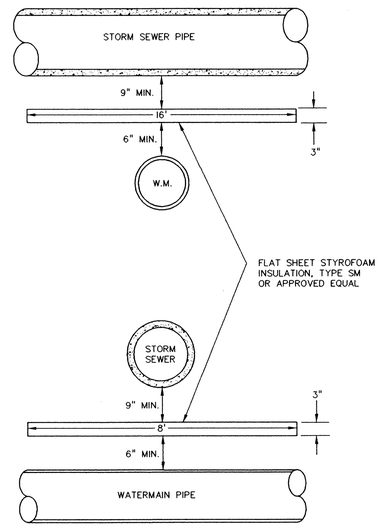
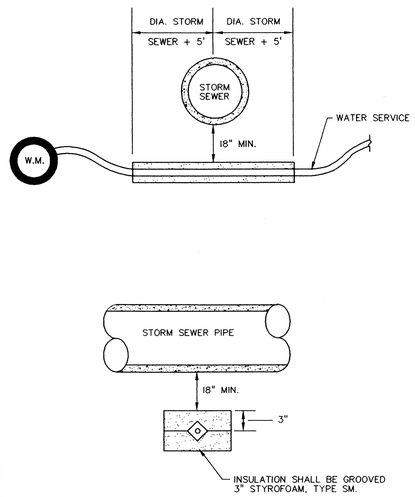


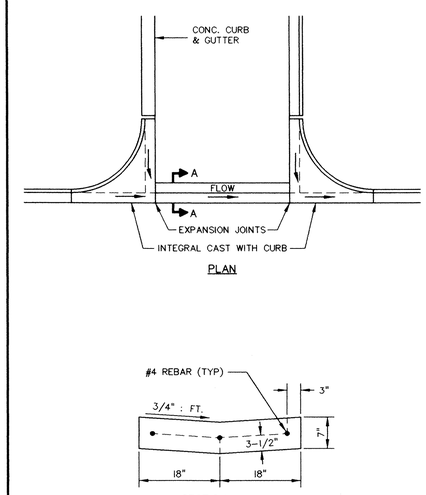
TYPICAL PIPE TO MANHOLE CONNECTIONS (S-SP-07)



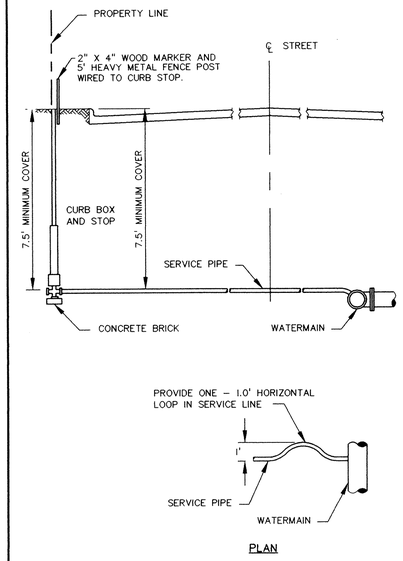
TYPICAL WATERMAIN INSULATION (W-06)



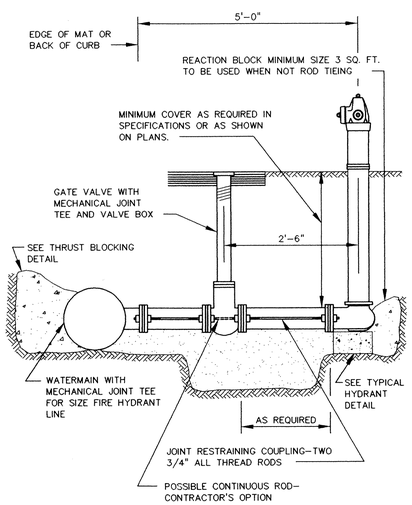
TYPICAL SERVICE INSULATION (W-07)



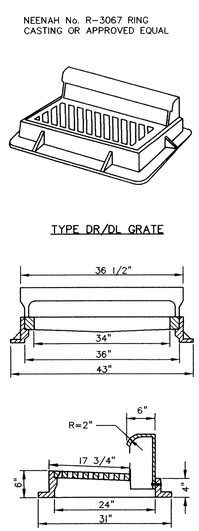
CONCRETE VALLEY GUTTER (R-10)



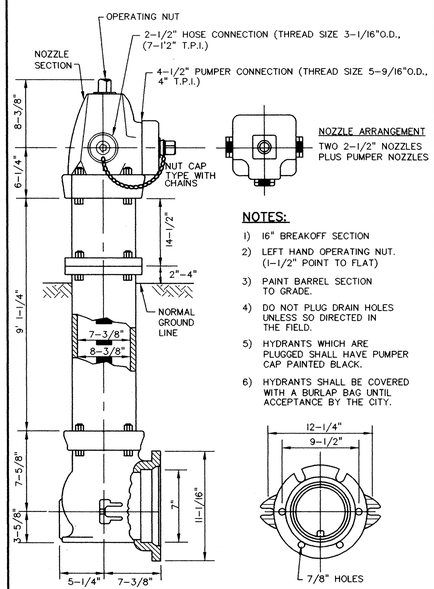
TYPICAL SERVICE DETAIL



RODDING DETAIL



STANDARD INLET CASTINGS (C-03)

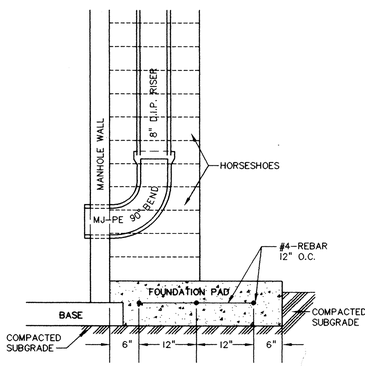


NOTES:

1) 16" BREAKOFF SECTION
2) LEFT HAND OPERATING NUT. (1-1/2" POINT TO FLAT)
3) PAINT BARREL SECTION TO GRADE.
4) DO NOT PLUG DRAIN HOLES UNLESS SO DIRECTED IN THE FIELD.
5) HYDRANTS WHICH ARE PLUGGED SHALL HAVE PUMPER CAP PAINTED BLACK.
6) HYDRANTS SHALL BE COVERED WITH A BURLAP BAG UNTIL ACCEPTANCE BY THE CITY.

PACER TRAFFIC FLANGE HYDRANT (W-01)

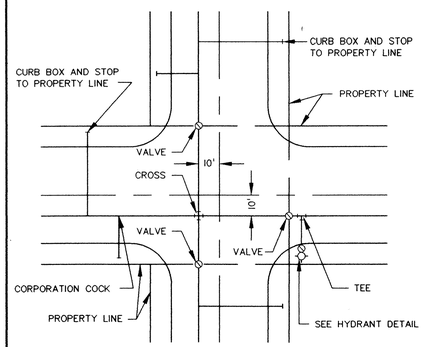
RECORD DRAWINGS



EXISTING MANHOLE CONNECTION (B-01)

PRIME CONTRACTOR/UTILITIES: C.W. HOULE, INC.
CURB & GUTTER: HALVORSON CURB CO.
STREETS: BAUERLY BROS., INC.

INSPECTION: RALPH BADER, HOWARD R. GREEN CO.
SURVEY: JOHN OLIVER & ASSOCIATES, INC.
EARTHWORK: DENNIS FEHN EXCAVATING, INC.
RECORD DRAWINGS: BRYAN CLICHE, JOA
CONSTRUCTED: 1996



TYPICAL WATER LAYOUT

REV NO	DATE	DESCRIPTION
1	05/14/96	EXPANDED PHASE 1 REVISIONS
2	11/4/97	RECORD PLANS

DATE: 04/30/96
DESIGN BY: JR
DRAWN BY: BG
CHECKED BY: JB
DWG FILE: 14-LWDET
TEXT FILE: NONE
FILE NO.: 7024.10-03

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

Signed: _____ Reg. No. 19900
Date: 04/30/96

John Oliver & Associates, Inc.
Civil Engineering, Land Surveying, Land Planning
580 Dodge Avenue
Elk River, Minnesota
(612)441-2072 (FAX)441-5665
201 W. Travelers Trail, Suite 200
Burnsville, MN 55337
(612)894-3045 (FAX)894-3049

LAFAYETTE WOODS
ELK RIVER, MN
WINDSOR DEVELOPMENT L.L.P.
DETAILS

SHEET NO. 14 OF 15

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14

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