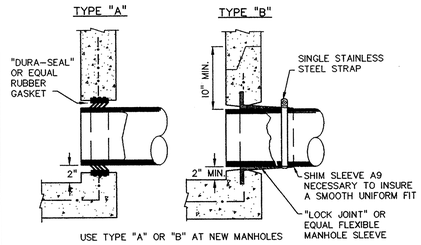
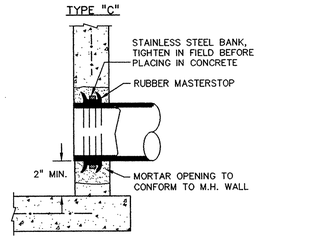
RECORD DRAWINGS

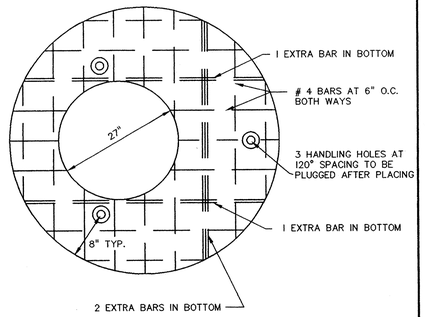


USE TYPE "A" OR "B" AT NEW MANHOLES



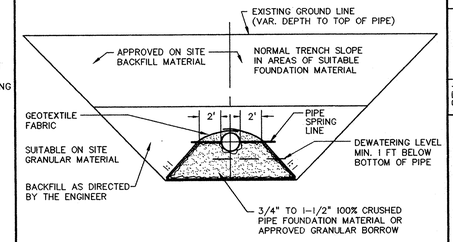
USE TYPE "C" AT EXISTING MANHOLES

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



NOTE: SLAB SHALL BE DESIGNED FOR AASHTO, H. S. 20 LIVE LOADS.

STANDARD CIRCULAR MANHOLE SLAB TOP (D-04)



PRIME CONTRACTOR/UTILITIES: C. W. HOULE, INC.
CURB & GUTTER: HALVORSON CONCRETE, INC.
STREETS: BAUERLY BROS., INC.
INSPECTION: STEVE TORGESON, HOWARD R. GREEN CO.
SURVEY: JOHN OLIVER & ASSOCIATES, INC.
EARTHWORK: SOIL-CON, INC.
RECORD DRAWINGS: FRED FRITSCHEL, JOHN OLIVER & ASSOCIATES, INC.
CONSTRUCTED: 1999

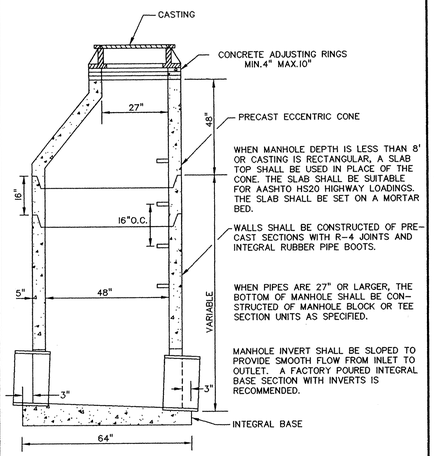
TYPICAL PIPE SUBGRADE CORRECTION (S-07)

REV	DATE	DESCRIPTION
1	2/3/99	CHANGED FROM 4TH TO 3RD
2	11/5/20	Record Drawings

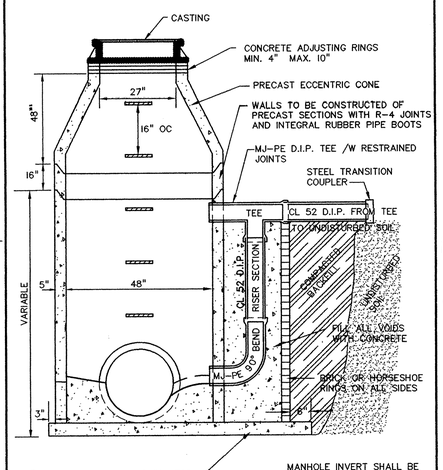
DATE: 10/31/97
DESIGN BY: JB
DRAWN BY: BG
CHECKED BY: JB
DWG FILE: 6-PPDET.
TEXT FILE: NONE
FILE NO.: 7024.40-03

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.

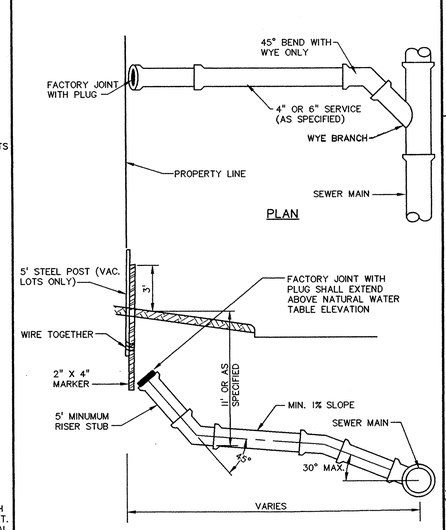
Signed: John C Hall
Date: 2/3/99 Reg. No. 14960



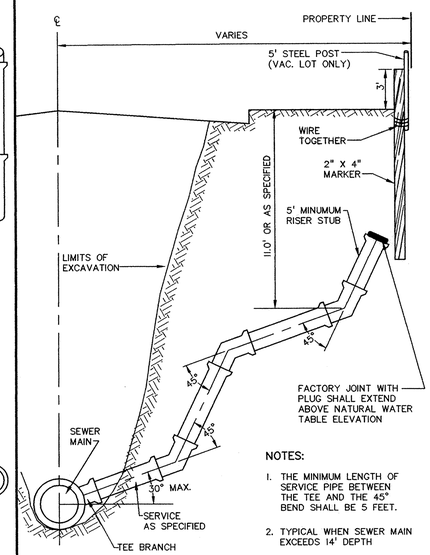
STANDARD SANITARY SEWER MANHOLE (S-01)



STANDARD SANITARY SEWER DROP MANHOLE (SP-02)

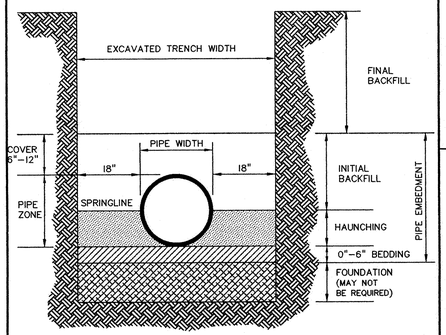


TYPICAL HOUSE SERVICE (STD. DEPTH SEWER MAIN) (S-03)



NOTES:
1. THE MINIMUM LENGTH OF SERVICE PIPE BETWEEN THE TEE AND THE 45° BEND SHALL BE 5 FEET.
2. TYPICAL WHEN SEWER MAIN EXCEEDS 14' DEPTH

TYPICAL HOUSE SERVICE (DEEP SEWER MAIN) (S-04)



NOTE:

PIPE BEDDING SHALL CONFORM TO ASTM D-2321 "RECOMMENDED PRACTICE FOR UNDERGROUND INSTALLATION OF FLEXIBLE THERMOPLASTIC SEWER PIPE" EXCEPT PIPE EMBEDMENT MATERIAL SHALL BE CLASS I OR CLASS II WITH 100% PASSING A 3/4 INCH SIEVE AND NOT MORE THAN 10% PASSING A No. 200 SIEVE.

PLASTIC PIPE BEDDING (S-08)

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
THIRD ADDITION
ELK RIVER, MN
WINDSOR DEVELOPMENT L.L.P.
DETAILS

SHEET NO. 6 OF 8

DRAWING NUMBER
6
LAFAY3.99

DRAWING NUMBER
SAFCO PRODUCTS • NEW HOPE, MINNESOTA
RECORDED BY PART NUMBER 6502E
PRINTED ONLY ON RED LINE