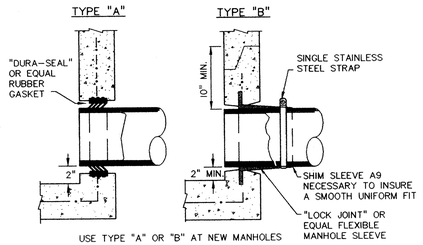
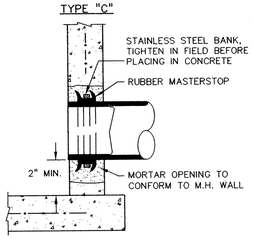


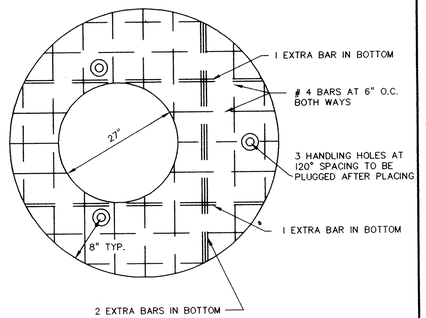
USE TYPE "A" OR "B" AT NEW MANHOLES

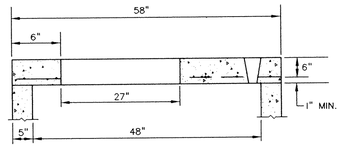


USE TYPE "C" AT EXISTING MANHOLES

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

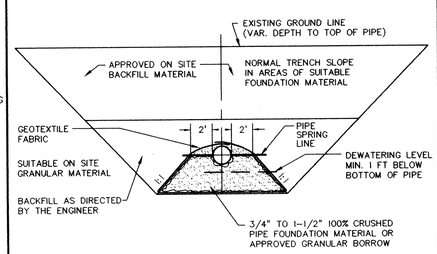
RECORD DRAWINGS





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: RALPH BADER, HOWARD R. GREEN CO.
SURVEY: JOHN OLIVER & ASSOCIATES, INC.
EARTHWORK: SOIL-CON, INC.
RECORD DRAWINGS: FRED FRITSCHEL, JOA
CONSTRUCTED: 1997

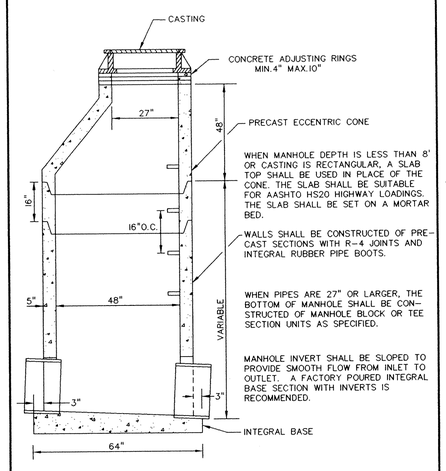
TYPICAL PIPE SUBGRADE CORRECTION (S-07)

REV NO.	DATE	DESCRIPTION
1	7/31/97	PER ENGINEER REVIEW LETTER DATED 7/25/97
2	2/12/98	RECORD DRAWINGS

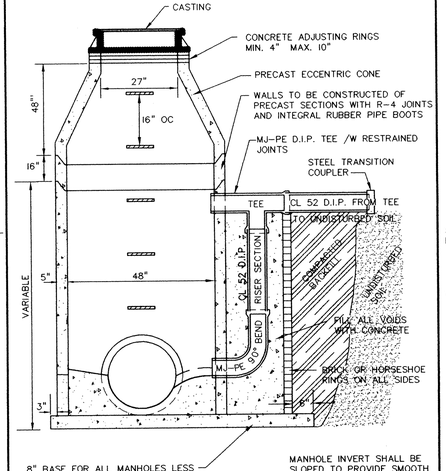
DATE:	7/09/97
DESIGN BY:	GO
DRAWN BY:	BG
CHECKED BY:	GO
DWG FILE:	7-PPDET.
TEXT FILE:	NONE
FILE NO.:	7024.20-03

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.

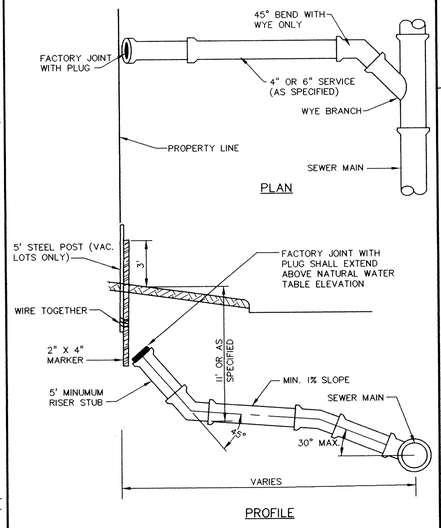
Signed: John C. Fritschel
Date: 7/09/97 Reg. No. 14960



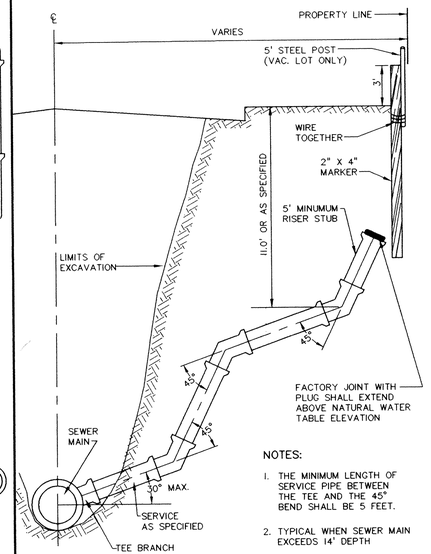
STANDARD SANITARY SEWER MANHOLE (S-01)



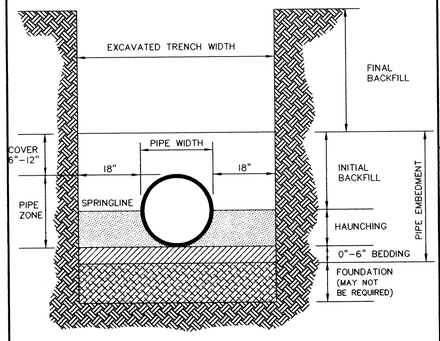
STANDARD SANITARY SEWER DROP MANHOLE (SP-02)



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



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

SHEET NO. 7 OF 9

1257

DRAWING NUMBER

DRAWING NUMBER
7
LAFAY2N 97

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