

MILFORD ST

MANHATTAN AVENUE

CULVER ST



SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION		
SEWER ID S-MA40010381		
DISTANCE FROM MH ID S-MH40009469		
DISTANCE	DIAMETER	CLOCK
4.8	150	10
12.4	150	10
23.3	150	10
24.1	150	2
31.0	150	10
44.1	150	10
56.4	100	11
68.0	150	10
80.3	150	10
92.6	150	11

S-MH40009371
RIM 231.21
INV N 227.47
INV E 227.48
INV W 227.44

95.60 OF 300 CONC CS
TO BE LINED S-MA40010381
(FULLY DETERIORATED)

S-MH40009469
RIM 230.96
INV N 226.91
INV E 226.92
INV W 227.95

WARNING

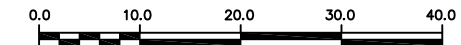
IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

- 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
- 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.

SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. ELEV.			
CONSTRUCTION COMPLETION DATE: YYYY MM DD			
NO.	REVISIONS	DATE	BY

DESIGNED BY	SC	CHECKED BY	SC
DRAWN BY	JB	APPROVED BY	KZ
SCALE:	1:750	RELEASED FOR CONSTRUCTION	
HORIZONTAL			
VERTICAL			
DATE	2012 08 20	DATE	

PLOT DATE: 2012 08 20

ENGINEER'S SEAL

ORIGINAL SIGNED BY
S.R.J. COURNOYER
AUG. 15, 2012

CONSULTANT DRAWING NUMBER

BID OPPORTUNITY: ??-????
CONTRACT NUMBER: ??



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

2012 SEWER RENEWALS
BY CIPP LINING
MANHATTAN AVENUE
MH AT CULVER STREET TO
MH AT MILFORD STREET

SHEET 19 OF 36
CITY DRAWING NUMBER

10349

FILE PATH: R:\DRAWINGS\SEWER\2012_RENEWALS\CIPP, TPR, and EPR\CONTRACT 11\CIPP LINING\
FILE NAME: MANHATTAN.dwg