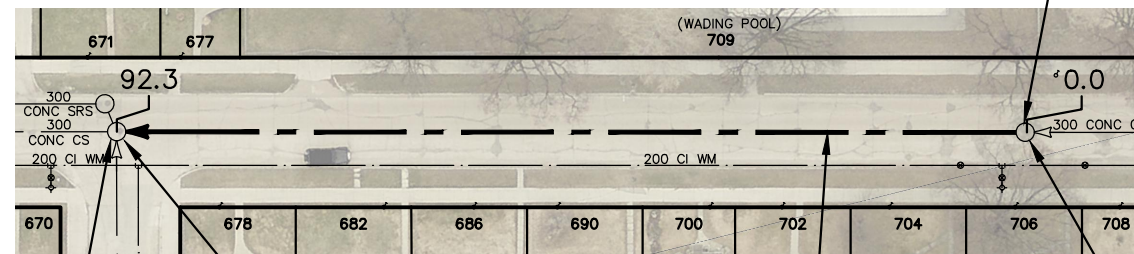




MANHATTAN AVENUE

REPLACE RISER FROM 0.35-0.65.
(TO BE DONE BY OTHERS)

REPLACE BENCHING.
(TO BE DONE BY OTHERS)



S-MH401009678
RIM 230.70
INV E 227.24
INV S 227.34
INV W 227.12
INV N 227.35

S-MH40009679
RIM 230.59
INV E 227.70
INV W 227.70

SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION		
SEWER ID S-MA40010709		
DISTANCE FROM MH ID S-MH4009679		
DISTANCE	DIAMETER	CLOCK
1.0	150	10
3.9	150	10
9.5	150	10
18.5	150	2
19.2	150	10
28.9	150	10
32.6	150	2
38.0	150	10
41.6	250	10
42.3	250	2
48.2	150	10
57.3	150	10
66.2	150	10
75.9	150	10
85.3	150	10
88.1	150	2

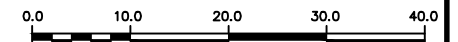
FOSTER ST

92.3 OF 300 CS TO BE LINED
S-MA40010709.
(PARTIALLY DETERIORATED)

FOR INDEX SEE
11696

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



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

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.

NO.	REVISIONS	DATE	BY

DESIGNED BY	SC	CHECKED BY	SC
DRAWN BY	BL	APPROVED BY	KZ
SCALE:	1:750	RELEASED FOR CONSTRUCTION	K.ZUREK
HORIZONTAL		DATE	2018 05 16
VERTICAL		DATE	2018 05 14

ENGINEER'S SEAL

ORIGINAL SIGNED
BY S.R.J COURNOYER
18/05/14

CONSULTANT DRAWING NUMBER

BID OPPORTUNITY: 112-2018
CONTRACT NUMBER: 5



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

2017 SEWER MAIN RENEWALS
BY CIPP LINING
MANHATTAN AVENUE
1ST MH E OF FOSTER STREET TO
MH AT FOSTER STREET

SHEET 19 OF 53
CITY DRAWING NUMBER

11714

FILE PATH: R:\DRAWINGS\SEWER\2017 RENEWALS\CIPP-FSR-EPR\Cont. 5\CONSTRUCTION DWGS\New folder\
FILE NAME: MANHATTAN AVE.dwg