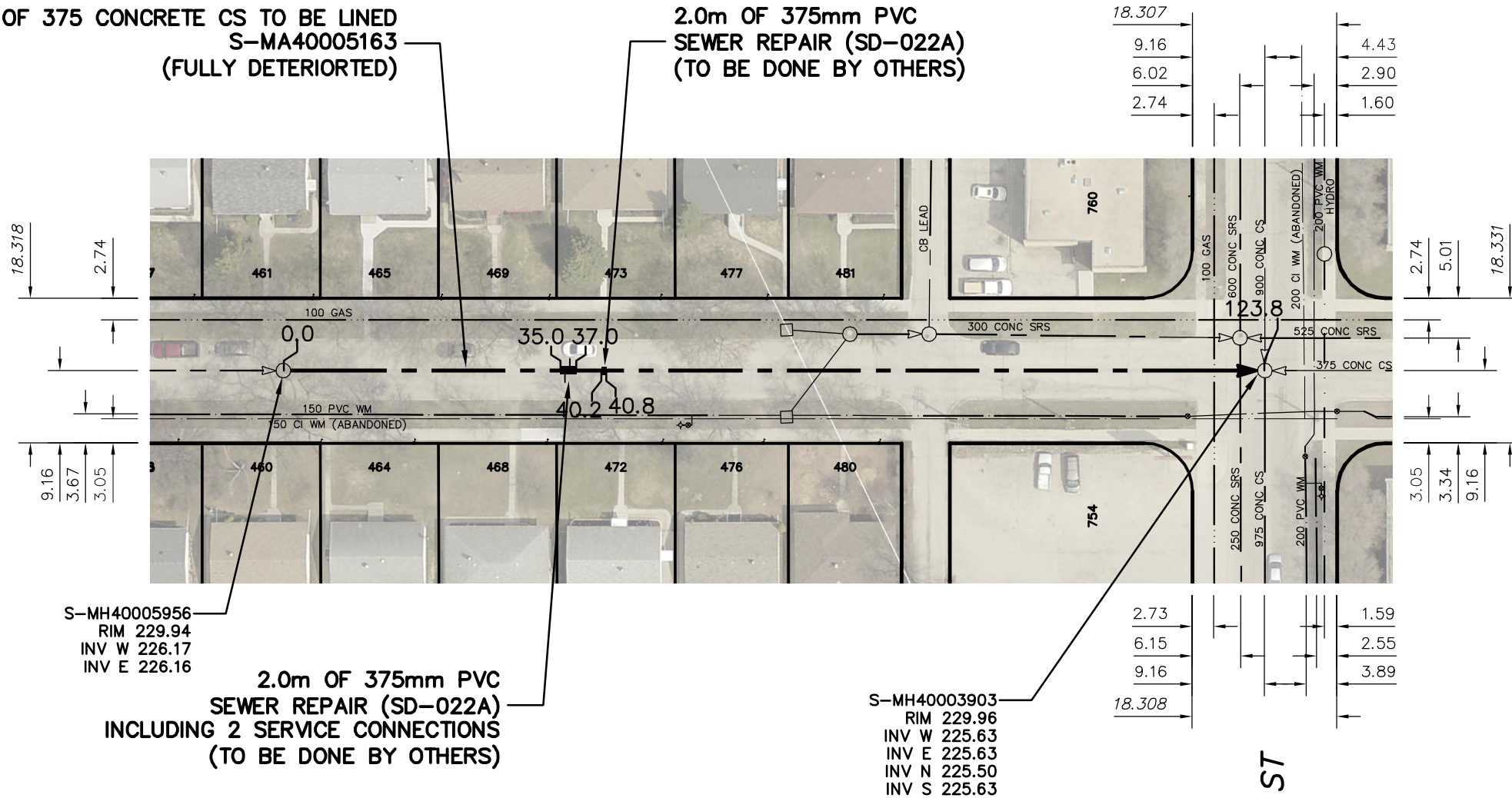


# HELMSDALE AVENUE

123.8 OF 375 CONCRETE CS TO BE LINED  
S-MA40005163  
(FULLY DETERIORATED)

2.0m OF 375mm PVC  
SEWER REPAIR (SD-022A)  
(TO BE DONE BY OTHERS)



SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION SEWER ID S-MA40005163		
DISTANCE FROM MH ID S-MH40005956		
DISTANCE	DIAMETER	CLOCK
5.4	150	10
6.1	150	2
8.4	150	2
19.2	150	1
20.3	150	1
21.0	150	1
21.7	150	2
35.6	150	11
36.2	250	1
51.1	150	11
51.2	150	1
61.4	150	2
62.8	150	11
63.5	150	1
66.1	150	11
77.3	150	1
77.7	150	11
81.2	150	11
95.3	150	1

S-MH40005956  
RIM 229.94  
INV W 226.17  
INV E 226.16

2.0m OF 375mm PVC  
SEWER REPAIR (SD-022A)  
INCLUDING 2 SERVICE CONNECTIONS  
(TO BE DONE BY OTHERS)

S-MH40003903  
RIM 229.96  
INV W 225.63  
INV E 225.63  
INV N 225.50  
INV S 225.63

### WARNING

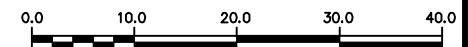
IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

- 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	NC	CHECKED BY	SC
DRAWN BY	RJ	APPROVED BY	KZ
SCALE:	1:750	RELEASED FOR CONSTRUCTION	KAZ ZUREK
HORIZONTAL		DATE	2016 03 24
VERTICAL		DATE	2016 03 24

ENGINEER'S SEAL  
**ORIGINAL SIGNED BY S.R.J. COURNOYER 16-03-22**  
CONSULTANT DRAWING NUMBER



**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT  
ENGINEERING DIVISION

2015 SEWER RENEWALS  
BY AUGMENTATION  
**HELMSDALE AVENUE**  
2ND MH E OF ROCH STREET TO  
MH AT WATT STREET

SHEET 14 OF 47  
CITY DRAWING NUMBER  
**11226**