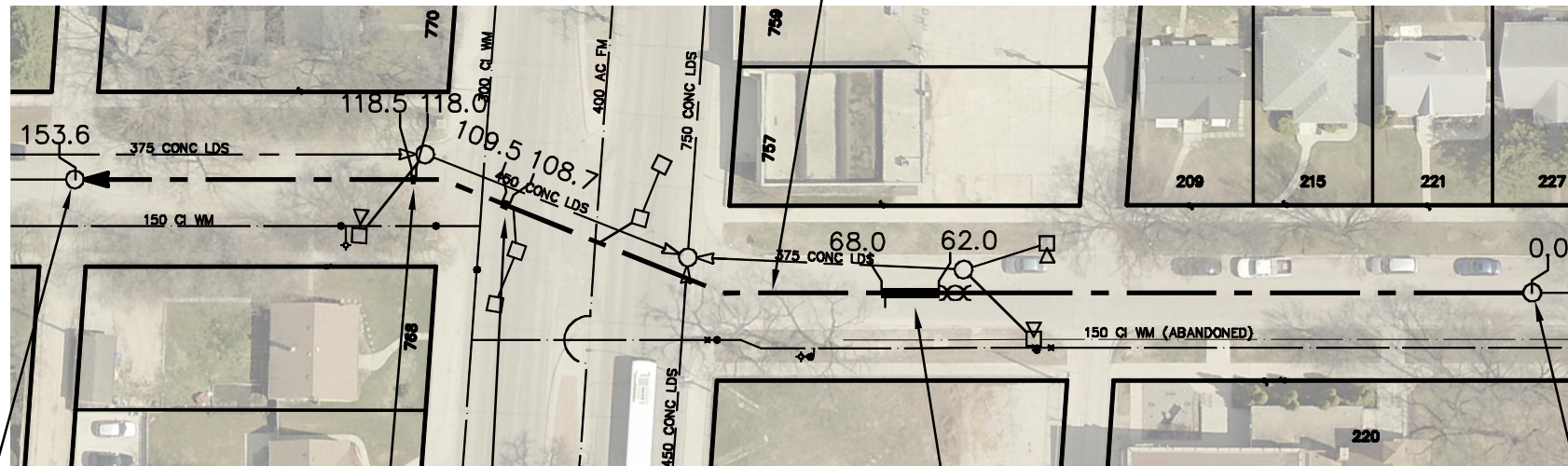
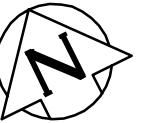


HELMSDALE AVENUE



153.6 OF 225 CS TO BE LINED
S-MA40006404
(PARTIALLY DETERIORATED)

S-MH40005874
RIM 230.61
INV W 227.78
INV E 227.77

0.5m OF 225mm PVC
SEWER REPAIR (SD-022A)
(TO BE DONE BY OTHERS)

0.8m OF 225mm PVC
SEWER REPAIR (SD-022A)
(TO BE DONE BY OTHERS)

HENDERSON HWY

1.0m OF 225mm PVC
SEWER REPAIR (SD-022A)
INCLUDING 1 SERVICE CONNECTION
(TO BE DONE BY OTHERS)

S-MH40005914
RIM 230.28
INV W 228.38
INV E 228.38

SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION		
SEWER ID S-MA40006404		
DISTANCE FROM MH ID S-MH40005914		
DISTANCE	DIAMETER	CLOCK
11.7	150	2
24.1	150	2
28.9	150	10
37.6	150	10
45.5	150	10
54.2	150	2
55.4	150	2
60.1	150	9
67.6	150	10
96.5	150	2
108.3	150	2
113.9	100	2
124.5	150	10
129.4	150	9
133.1	150	2

WARNING

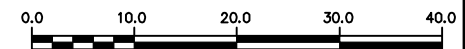
IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

- 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	
DESIGNED BY	NC
CHECKED BY	SC
DRAWN BY	RJ
APPROVED BY	KZ
SCALE:	
HORIZONTAL	1:750
VERTICAL	
RELEASED FOR CONSTRUCTION	KAZ ZUREK
CONSULTANT DRAWING NUMBER	-
NO.	REVISIONS
DATE	BY
DATE	2016 03 29
DATE	2016 03 24
PLOT DATE:	2016 03 29

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 CIPP LINING
HELMSDALE AVENUE
1ST MH E TO
1ST MH W OF HENDERSON HIGHWAY

SHEET 15 OF 47

CITY DRAWING NUMBER

11227