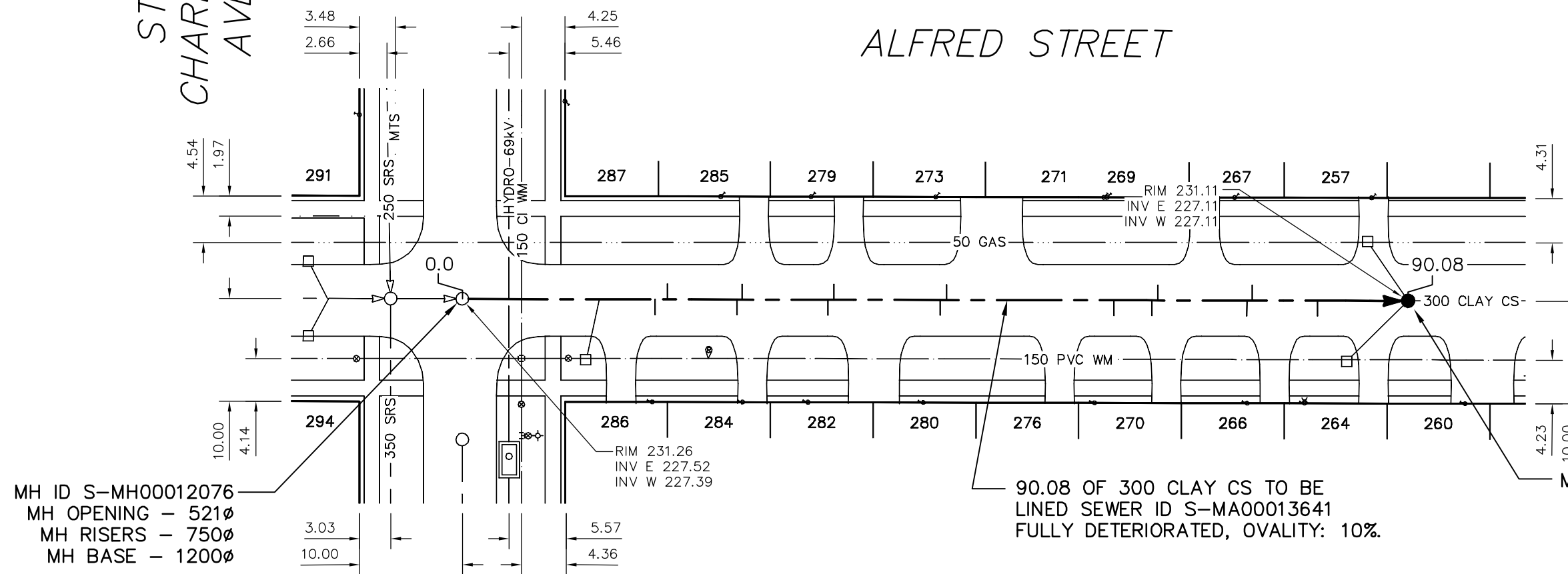
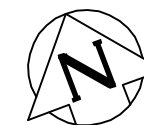


ST CHARLES AVE

ALFRED STREET



MH ID S-MH00012076
 MH OPENING - 521Ø
 MH RISERS - 750Ø
 MH BASE - 1200Ø

90.08 OF 300 CLAY CS TO BE LINED SEWER ID S-MA00013641 FULLY DETERIORATED, OVALITY: 10%.

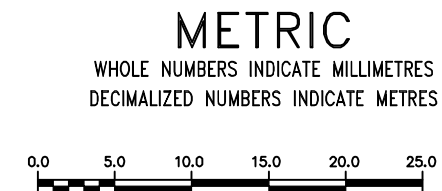
MH ID S-MH00012147
 MH OPENING - 521Ø
 MH RISERS - 750Ø
 MH BASE - 1200Ø

-TO BE REMOVED AND REPLACED WITH MH (SD-010)
 -TO BE DONE BY OTHERS

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

SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION SEWER ID S-MA00013641				
DISTANCE FROM MH ID S-MH00012076				
DISTANCE	DIRECTION	DIAMETER	CLOCK	CODE
13.4	EAST	150	1	CX
18.9	EAST	150	2	JX
20.1	EAST	150	10	JX
26.9	EAST	150	2	JX
27.4	EAST	150	10	JX
35.8	EAST	150	2	JN
36.4	EAST	150	10	JN
46.8	EAST	150	2	JN
47.4	EAST	150	10	JN
63.8	EAST	150	1	CNI
67.5	EAST	150	2	JN
68.1	EAST	150	10	JN

SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION SEWER ID S-MA00013641				
DISTANCE FROM MH ID S-MH00012076				
DISTANCE	DIRECTION	DIAMETER	CLOCK	CODE
76.8	EAST	150	1	CNI
77.3	EAST	150	11	CXI
83.7	EAST	150	2	JN



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	CJH	APPROVED BY	KZ
SCALE:	1:500	RELEASED FOR CONSTRUCTION	SIGNED BY K.R. ZUREK
HORIZONTAL		DATE	2011 11 23
VERTICAL		DATE	2011 11 23
PLOT DATE: 2011 11 23			

ENGINEER'S SEAL

ORIGINAL SIGNED BY
 S.R.J. COURNOYER
 NOV. 21, 2011

CONSULTANT DRAWING NUMBER _____

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 ENGINEERING DIVISION

2011 SEWER RENEWALS
 BY CIPP LINING
 ALFRED AVENUE
 MH AT CHARLES STREET TO
 1ST MH E OF CHARLES STREET

SHEET 2 OF 95
 CITY DRAWING NUMBER 9619