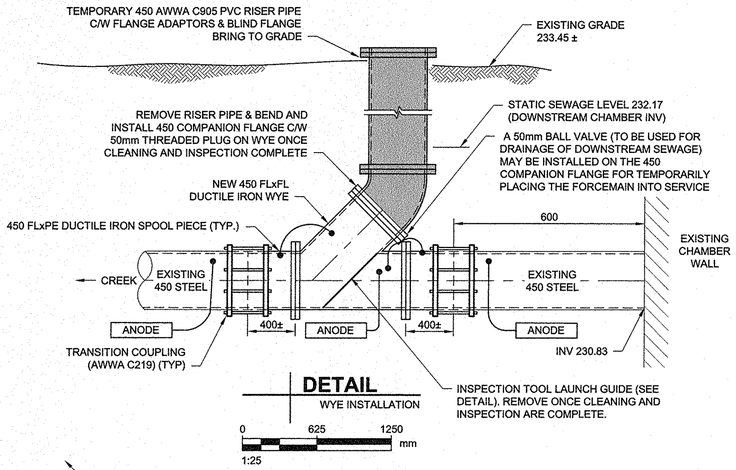
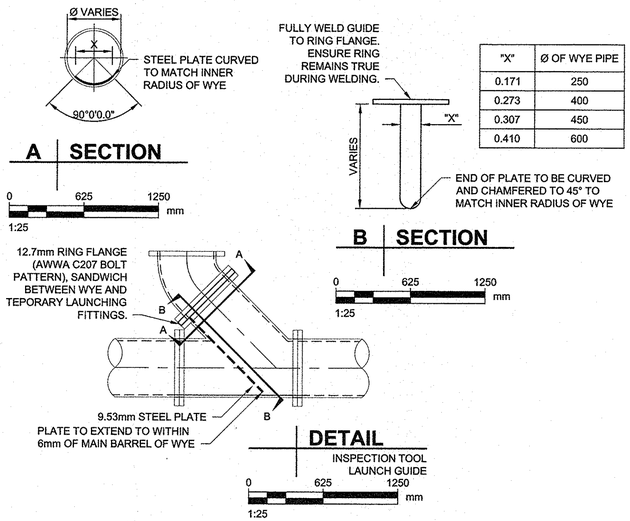
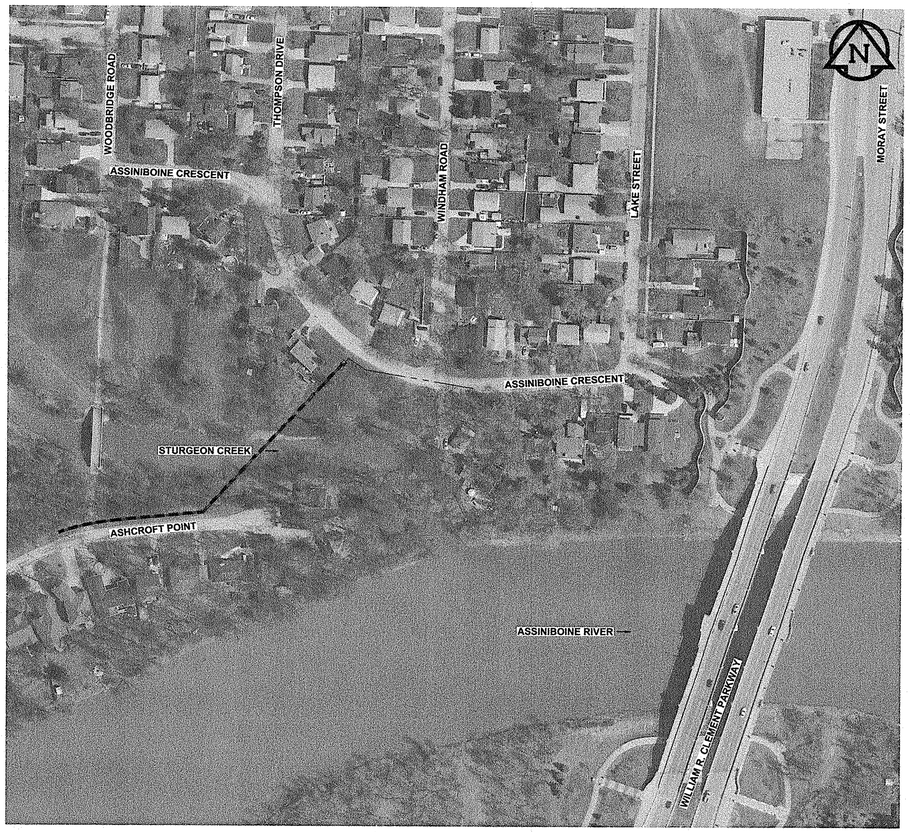
D SIZE 22" x 34" (559mm x 864mm)
PLOT: 2/27/2014 12:34:21 PM
AECOM FILE NAME: 60270487-SHT-00-0000-C-0009.dwg Saved By: renouderw
AECOM REVIEW | DRFT CHK



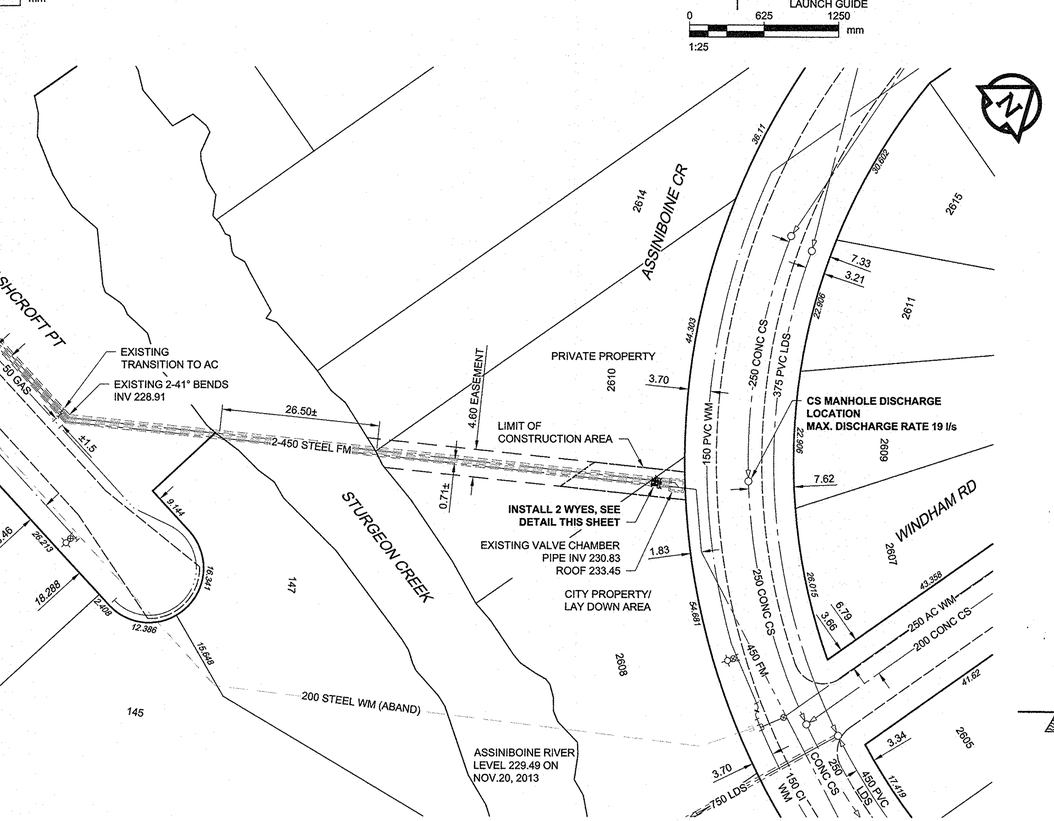


"X"	Ø OF WYE PIPE
0.171	250
0.273	400
0.307	450
0.410	600



SITE PLAN

Scale 1:1500
0 37.5 75 m



PLAN

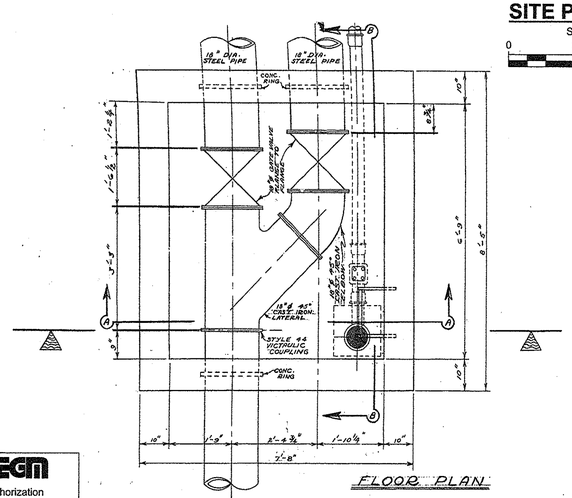
Scale 1:500
0 12.5 25 m

NOTES:

1. WATER COLLECTED IN DEWATERING OF FORCEMAIN MAY BE DISCHARGED INTO CS MANHOLE NORTH OF THE CREEK AND ON ASSINIBOINE CRESCENT AT A MAX. FLOW RATE OF 19 l/s.
2. RESTORE BOULEVARDS, SIDEWALKS, AND ROADWAYS DAMAGED DURING CONSTRUCTION.
3. ENSURE PIPELINE IS NOT DEWATERED DURING CLEANING OPERATIONS.

REQUIRED WORK:

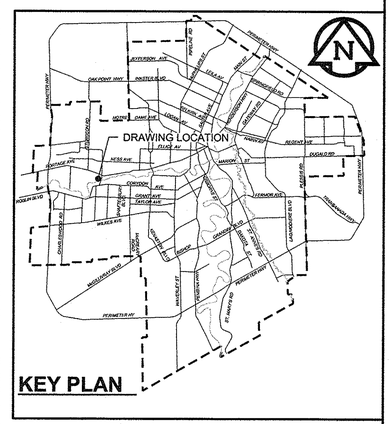
1. REMOVE EAST OR WEST FORCEMAIN FROM SERVICE.
2. CUT INTO EXISTING PIPE AND DRAIN DOWNSTREAM SEWAGE (EST VOLUME = 11.5m³).
3. INSTALL WYE C/W PVC LAUNCHING PIPING TO GRADE.
4. COMPLETE CLEANING AND INSPECTION OF FORCEMAIN.
5. REMOVE TEMPORARY PIPING, INSTALL BLIND FLANGE ON FORCEMAIN AND REINSTATE FLOW.
6. REPEAT STEPS 1 THRU 5 FOR SECOND FORCEMAIN.
7. INSTALL PETROLATUM TAPE WRAP ON ALL BURIED FLANGE AND COUPLER CONNECTIONS.
8. INSTALL GALVANIC ANODES.
9. BACKFILL AND RESTORE SITE.



FLOOR PLAN

EXISTING UPSTREAM VALVE CHAMBER

Scale: N.T.S.



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 140/92 FOR DETAILS

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date: Feb 27, 2014

150 WM	WATERMAIN	150 WM		CURB STOP		150 WM	WATERMAIN	150 WM
	HYDRANT			REDUCER			HYDRANT	
	VALVE			COUPLING			VALVE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		ANODE		300 LDS	LAND DRAINAGE SEWER	300 LDS
250 WWS	WASTE WATER SEWER	250 WWS		HYDRO		250 WWS	WASTE WATER SEWER	250 WWS
	MANHOLE			MTS			PAVEMENT CROWN	
	CATCH BASIN			GAS			N/W PROPERTY LINE	
	CURB INLET			TESTHOLE			S/E PROPERTY LINE	
	CULVERT			LAMP STANDARD			N/W GUTTER	
	PIPE ABANDONMENTS			TREE			S/E GUTTER	
	SURVEY BAR							
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PROFILE	NEW

LOCATION APPROVED

UNDERGROUND STRUCTURES

SUPR. 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.

NO.	REVISIONS	YY/MM/DD	BY
0	ISSUED FOR CONSTRUCTION	14/02/27	WJd
A	ISSUED FOR 90% REVIEW	13/12/12	PL

AECOM

DESIGNED BY	ADB	CHECKED BY	
DRAWN BY	ADL	APPROVED BY	
HOR. SCALE	AS NOTED	RELEASED FOR CONSTRUCTION	
VERT. SCALE	N/A		
DATE		DATE	

PROFESSIONAL'S SEAL
PROVINCE OF MANITOBA
A.D. BRAUN
Member
24453
REGISTERED PROFESSIONAL ENGINEER
Feb 27, 2014

CONSULTANT DRAWING NO.
60270487-SHT-00-0000-C-0009

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

PROVISION OF PIPELINE CLEANING AND SUPPORT SERVICES FOR RIVER CROSSING INSPECTIONS
ST. JAMES INTERCEPTOR FORCEMAIN (Site 4a & 4b)

SHEET 04 OF 05
CITY DRAWING NUMBER
D-13325 REV 0

BID OPPORTUNITY NO. 1045-2013