

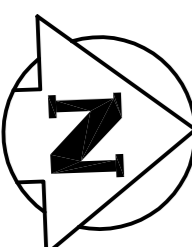
- CONSTRUCTION NOTES:**
1. LOCATION OF ALL SEWER AND WATER LINES TO BE CONFIRMED IN THE FIELD.
 2. SEWER AND WATER SERVICES SHOWN ON DRAWINGS ARE APPROXIMATE ONLY.
 3. INSTALL NEW SEWER AND CATCHBASIN LEADS BY TRENCHLESS METHODS, UNLESS NOTED OTHERWISE.
 4. INSTALL TYPE 'B' RISERS ON CATCHBASIN LEADS AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
 5. SEWER PROFILE MAY REQUIRE ADJUSTMENT BASE ON TILL ELEVATIONS. CONTRACTOR TO EXPLORE TOP OF TILL ELEVATIONS PRIOR TO ORDERING MANHOLE AND CATCHBASINS.

- GENERAL NOTES:**
1. CHAINAGE IS ALONG EAST LIMIT OF RIVERBEND CR WEST LEG.
 2. STATION 2+00 = SOUTH LIMIT OF PORTAGE AVE AND EAST LIMIT OF RIVERBEND CR WEST LEG.
 3. SEE SPECIFICATIONS FOR DETAILED TEST HOLE INFORMATION.

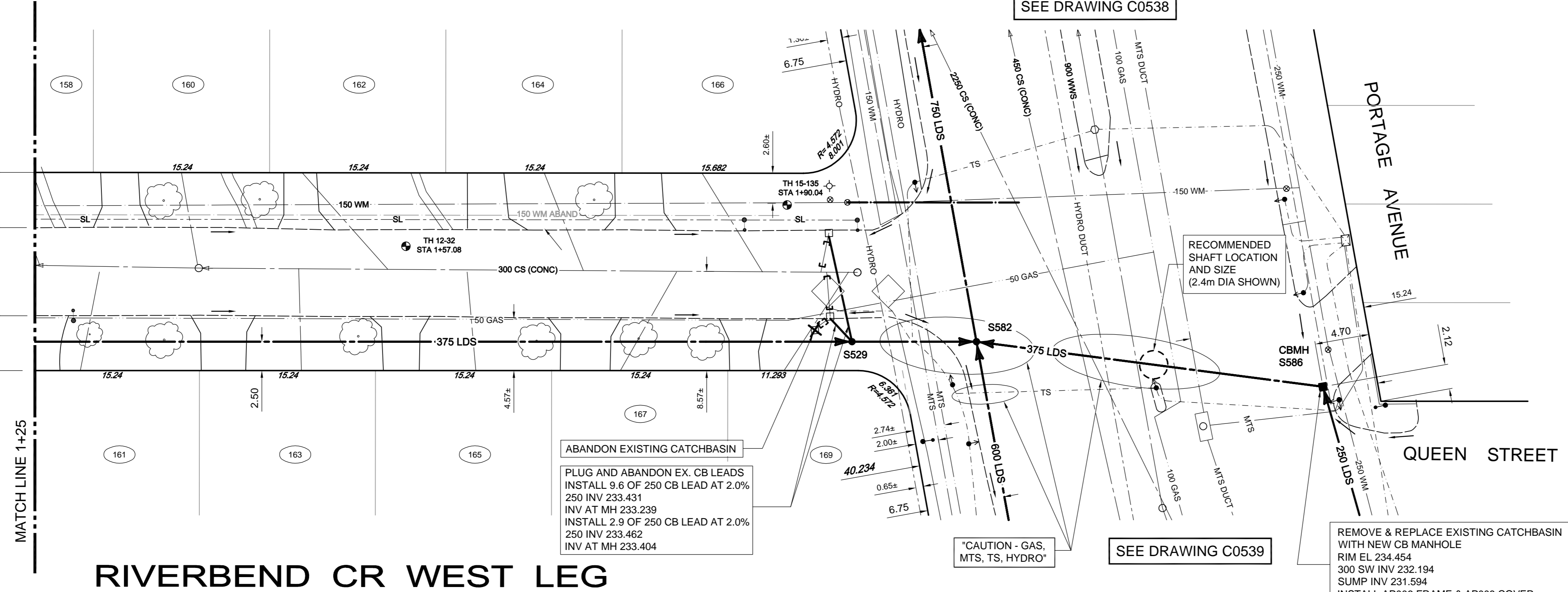
"CAUTION - HYDRO, MTS, GAS, TRAFFIC SIGNALS, FIBRE OPTIC AND TELEPHONE BURIED CABLES" ON THE CONSTRUCTION SITE

ENGINEERS GEOSCIENTISTS MANITOBA
 Certificate of Authorization
 Tetra Tech Canada Inc.
 No. 6499

BID OPPORTUNITY No. 354-2018



SEE DRAWING C0541



RIVERBEND CR WEST LEG

ABANDON EXISTING CATCHBASIN
 PLUG AND ABANDON EX. CB LEADS
 INSTALL 9.6 OF 250 CB LEAD AT 2.0%
 250 INV 233.431
 INV AT MH 233.239
 INSTALL 2.9 OF 250 CB LEAD AT 2.0%
 250 INV 233.462
 INV AT MH 233.404

"CAUTION - GAS, MTS, TS, HYDRO"

REMOVE & REPLACE EXISTING CATCHBASIN WITH NEW CB MANHOLE
 RIM EL 234.454
 300 SW INV 232.194
 SUMP INV 231.594
 INSTALL AP006 FRAME & AP008 COVER

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.

EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED
150 WM	WATERMAIN	150 WM	BEND	ANCHOR	LOCATION APPROVED UNDERGROUND STRUCTURES	B.M. CITY OF WINNIPEG 38-089	<p>TETRA TECH</p>	<p>PROVINCE OF MANITOBA K.J. McRAE REGISTERED PROFESSIONAL ENGINEER</p>
400 FM	FEEDERMAIN	400 FM	TEE	TREE	ELEV. 233.792m	DESIGNED BY KJM		
300 LDS	LAND DRAINAGE SEWER	300 LDS	CURB STOP	LEGAL DIMENSION		DRAWN BY NL	APPROVED BY GS	
250 WWS	WASTEWATER SEWER	250 WWS	PLUG	SURVEY BAR		HOR. SCALE: 1:250	RELEASED FOR CONSTRUCTION	
300 CS	COMBINED SEWER	300 CS	MANHOLE	TRAFFIC SIGNAL		VERTICAL: 1:50	KAS ZUREK	
200 FCM	FORCEMAIN	200 FCM	CATCHBASIN	GAS		CONSULTANT DRAWING NO. 1000120300-DWG-C0187		
	JUNCTIONS		CURB INLET	HYDRO				
	HYDRANT		ADDRESS	MTS				
	VALVE		HYDRO POLE	SIDEWALK				
	REDUCER		LIGHT STANDARD	CURB				

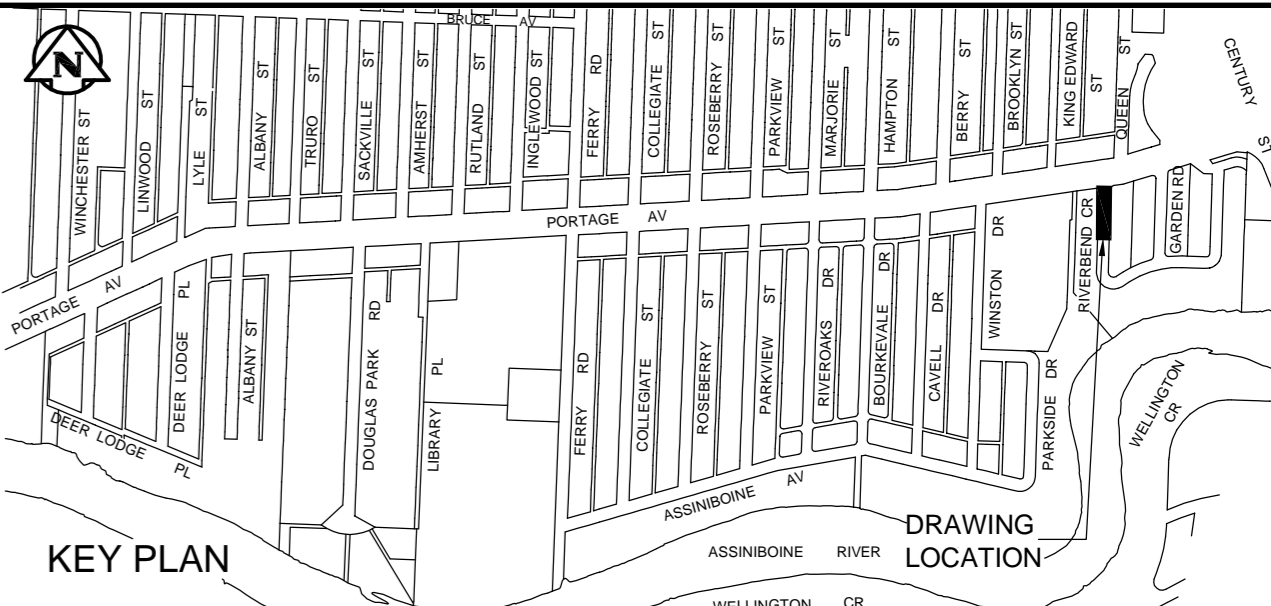
LOCATION APPROVED UNDERGROUND STRUCTURES

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.

NO.	ISSUED FOR TENDER	DATE	BY
00	ISSUED FOR TENDER	18.05.29	KJM
	REVISIONS	DATE	BY
		2017.11.09	

DESIGNED BY	CHECKED BY
KJM	KJM
DRAWN BY	APPROVED BY
NL	GS
HOR. SCALE:	RELEASED FOR CONSTRUCTION
1:250	KAS ZUREK
VERTICAL:	DATE
1:50	2017.11.09



THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

FERRY ROAD AND RIVERBEND COMBINED SEWER RELIEF WORKS
 CONTRACT 5E-3
 RIVERBEND CRESCENT (WEST LEG)
 75m NORTH OF RIVERBEND CRESCENT (SOUTH LEG)
 TO PORTAGE AVENUE

CITY DRAWING NUMBER LD-8444
 SHEET 7 OF 17
 C0542