

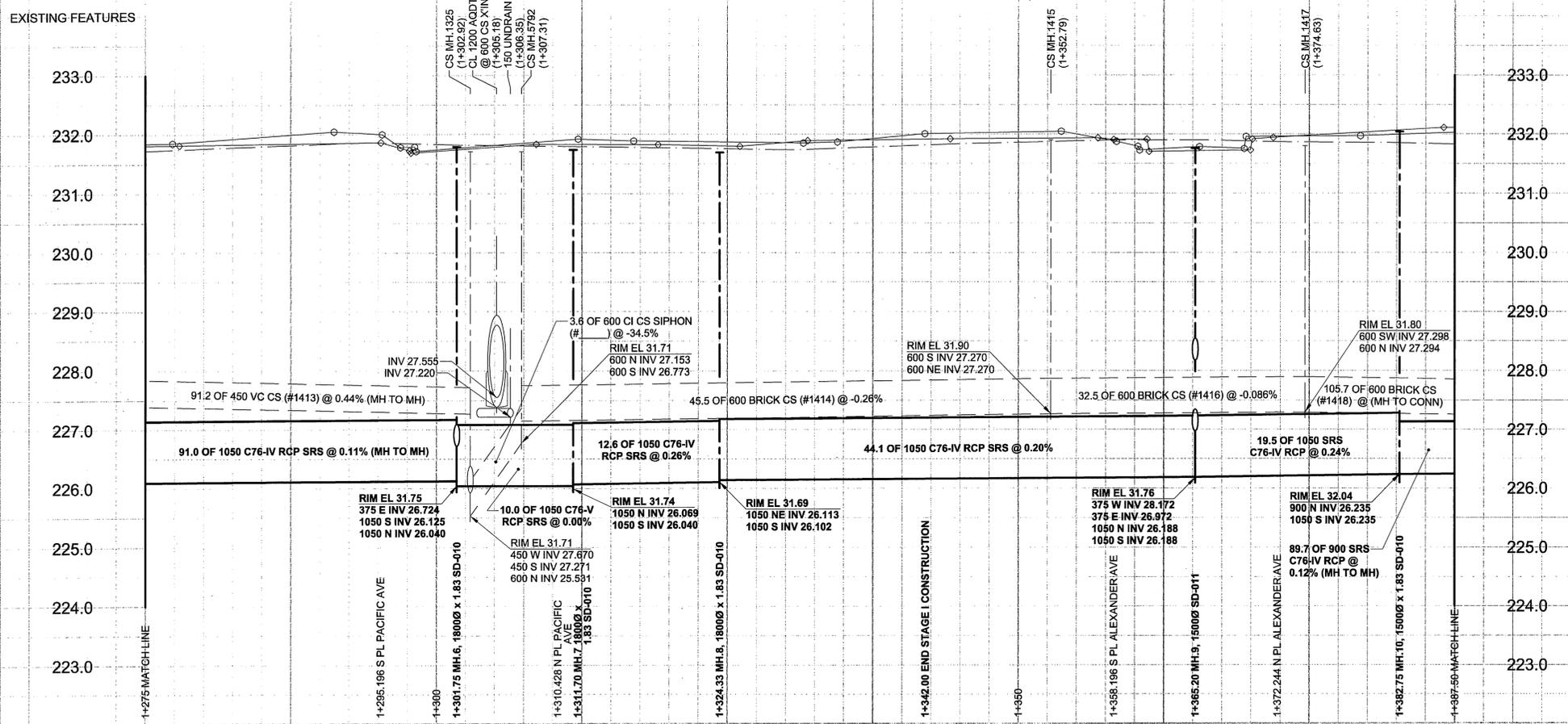
Appendix C

Historic Drawings

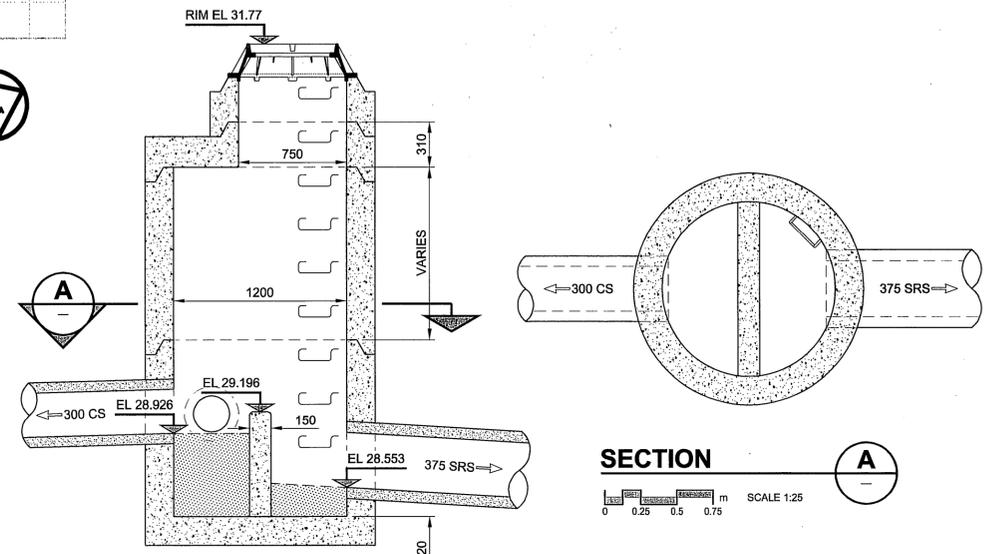
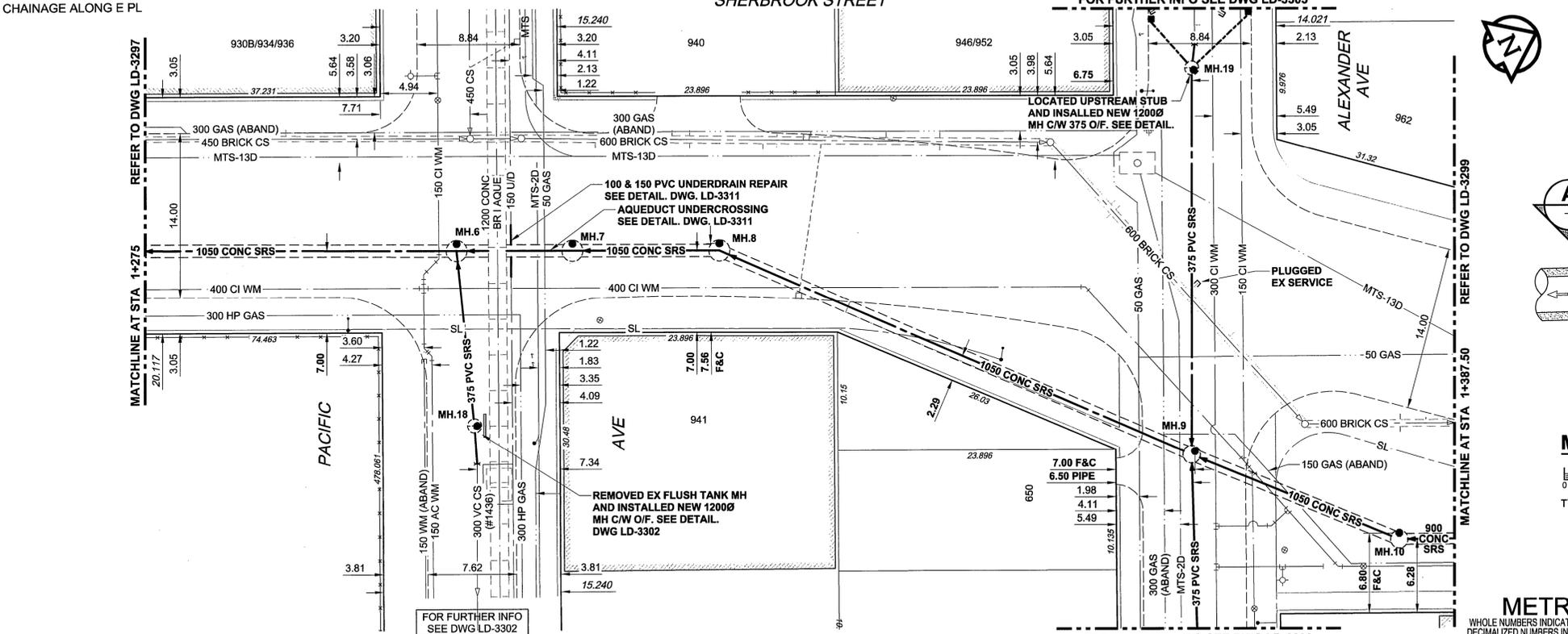
D SIZE 22" x 34" (559mm x 864mm)

PLOT: 07/11/12 1:38:54 PM

UMA REVIEW DRT CHK LG
UMA FILE NAME: D265-177-02_01-C-0004_RX.dwg Saved By: kbarand



ITEM	MANUFACTURER	MATERIAL SPECIFICATION	SPECIAL FEATURES
SEWER WORKS	LAFARGE CONSTRUCTION MATERIALS INC.	ASTM C76M CSA A257.2 (CLASSES AS NOTED)	STEEL REINFORCED
PIPE GASKETS (LAFARGE) (300 TO 1800)	HAMILTON KENT OF CANADA LIMITED	ASTM C361 CSA A257.3	TYLOX "SUPERSEAL" SELF-LUBRICATING GASKET
MANHOLE COMPONENTS	LAFARGE CONSTRUCTION MATERIALS INC.	ASTM C76-CL2 ASTM C-478	PRECAST, STEEL REINFORCED
1500 MANHOLE PIPE BASE	LAFARGE CONSTRUCTION MATERIALS INC.	ASTM C76-CL4	PRECAST, STEEL REINFORCED
MANHOLE & CATCH BASIN ADJUSTING RINGS	LAFARGE CONSTRUCTION MATERIALS INC.	ASTM C-478	750 I.D. x (50 TO 125) PRECAST CONCRETE ADJUSTING RINGS
MANHOLE/CATCH BASIN JOINT GASKETS	HENRY COMPANY	RUB'R-NEK	FLEXIBLE ROPE BUTYL RUBBER SEALANT
MANHOLE FRAMES & COVERS	W.D. VALVE BOXES LTD.	C.I. - ASTM A-48 CLASS 30B CONFORMS TO AP-004 AND AP-005 OR AP-006	MH FRAME W/SD50F, STJ SOLID COVER W/SD50S, STJ GRATED COVER W/SD50S, STJ
MANHOLE FRAME LIFTER RINGS	W.D. VALVE BOXES LTD.	D.I. - ASTM A536 GRADE 65-45-12 CONFORMS TO AP-007	38, 51, 64 AND 76 SIZES
MANHOLE CHIMNEY SEALS	CRETEX		FLEXIBLE RUBBER SEAL
SEWER SERVICE CONNECTIONS	IPEX INC.	ASTM D3034 CSA B182.2	"RING-TITE" SDR-35 TYPE 316 STAINLESS STEEL SHEAR
100 / 150 PVC PIPE	MISSION RUBBER CO.		RING AND STRAPS
150 FLEXIBLE SEWER COUPLINGS			PSM PVC SDR-35 INJECTION MOLDDED FITTINGS
150 CONNECTION FITTINGS	GPX PRODUCTS INC.	ASTM D3034 CSA B182.2	SPECIAL FEATURES
ITEM	MANUFACTURER	MATERIAL SPECIFICATION	
ROAD WORKS	LAFARGE CANADA INC.		
CONCRETE	COWIN STEEL CO. LTD.		
REINFORCING STEEL	BISON ROCK & ASPHALT PRODUCTS LTD.		
ASPHALT			
HOT POURED JOINT SEAL	BERMAC	BERAM 195 LM	
CONTRACTOR	NELSON RIVER CONSTRUCTION		
CONSTRUCTION PERIOD:	JUNE 26 - OCTOBER 6, 2006		
FIELD BOOK NO.:	06-036		
	06-038		
	06-073		



MANHOLE 19 OVERFLOW DETAIL

TYPICAL MANHOLE REQUIREMENTS AS PER SD-010

APEGN
Certificate of Authorization
UMA Engineering Ltd. (MB)
No. 256 Date: 07/11/13

CONSTRUCTION COMPLETION DATE
AUGUST 10, 2006

RECORD DRAWING

BID OPPORTUNITY NO. 132-2006

EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PROFILE	NEW
150 mm WM	WATERMAIN	150 mm WM	CURB STOP	150 mm WM	WATERMAIN
300 mm LDS	HYDRANT	300 mm LDS	REDUCER	300 mm LDS	HYDRANT
250 mm WWS	VALVE	250 mm WWS	COUPLING	250 mm WWS	VALVE
	LAND DRAINAGE SEWER		ANODE		LAND DRAINAGE SEWER
	WASTE WATER SEWER		HYDRO		WASTE WATER SEWER
	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				
	LEGEND - PLAN				
	NEW				
	EXISTING				

LOCATION APPROVED UNDERGROUND STRUCTURES

BM 36-039 N. Side William Ave. W. of Sherbrook St., Tblt. in S. Conc. foundation No. 871 William Ave. (Harry Medovy House), 5.2m W. & 0.8m below bricks of most S. Ely. Cor. of Bldg.
ELEV 232.749m

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	DATE	BY
1	ISSUED FOR RECORD	07/04/09	KMB
0	ISSUED FOR CONSTRUCTION	06/03/08	ADL

DESIGNED BY	CHECKED BY	APPROVED BY	DATE
GEB	ADL	[Signature]	07/11/13

PROFESSIONAL'S SEAL
PROVINCE OF MANITOBA
REGISTERED PROFESSIONAL ENGINEER
A. NAGY
NOV 13, 2007
CONSULTANT DRAWING NO. 04
D265-177-02-01

UMA | AECOM

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THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

ALEXANDER/BANNATYNE
COMBINED SEWER RELIEF
CONTRACT 2A

SHERBROOK STREET
55m NORTH OF ROSS AVENUE
TO 85m SOUTH OF LOGAN AVENUE

SHEET 4 OF 18
CITY DRAWING NUMBER
LD-3298
REV 1

