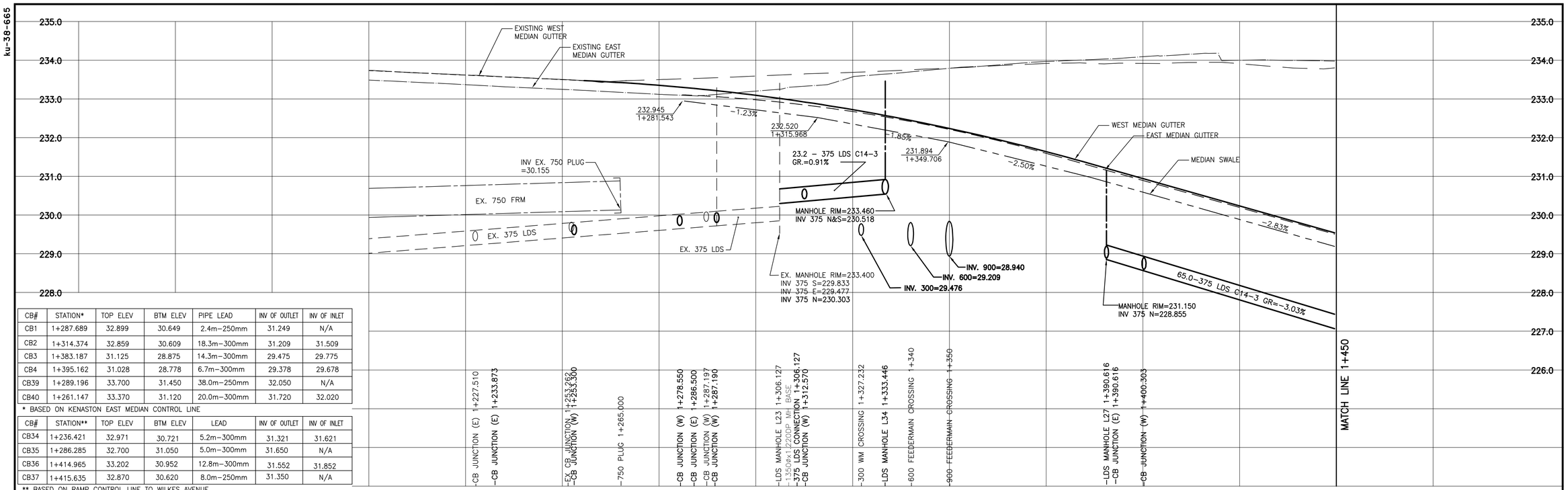
ku-38-665



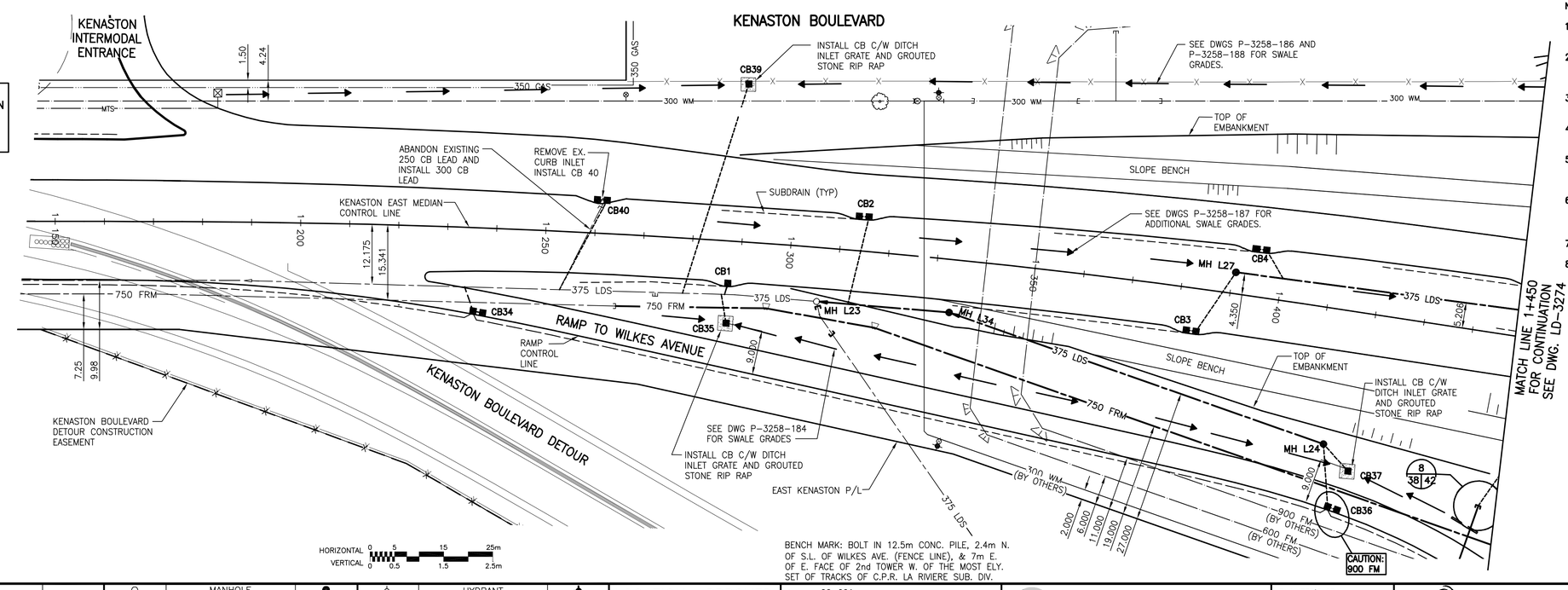
CB#	STATION*	TOP ELEV	BTM ELEV	PIPE LEAD	INV OF OUTLET	INV OF INLET
CB1	1+287.689	32.899	30.649	2.4m-250mm	31.249	N/A
CB2	1+314.374	32.859	30.609	18.3m-300mm	31.209	31.509
CB3	1+383.187	31.125	28.875	14.3m-300mm	29.475	29.775
CB4	1+395.162	31.028	28.778	6.7m-300mm	29.378	29.678
CB39	1+289.196	33.700	31.450	38.0m-250mm	32.050	N/A
CB40	1+261.147	33.370	31.120	20.0m-300mm	31.720	32.020

* BASED ON KENASTON EAST MEDIAN CONTROL LINE

CB#	STATION**	TOP ELEV	BTM ELEV	LEAD	INV OF OUTLET	INV OF INLET
CB34	1+236.421	32.971	30.721	5.2m-300mm	31.321	31.621
CB35	1+286.285	32.700	31.050	5.0m-300mm	31.650	N/A
CB36	1+414.965	33.202	30.952	12.8m-300mm	31.552	31.852
CB37	1+415.635	32.870	30.620	8.0m-250mm	31.350	N/A

** BASED ON RAMP CONTROL LINE TO WILKES AVENUE

NOTE:
STATIONS ARE BASED ON KENASTON BOULEVARD EAST MEDIAN CONTROL LINE



BENCH MARK: BOLT IN 12.5m CONC. PILE, 2.4m N. OF S.L. OF WILKES AVE. (FENCE LINE), & 7m E. OF E. FACE OF 2nd TOWER W. OF THE MOST ELY. SET OF TRACKS OF C.P.R. LA RIVIERE SUB. DIV.

NOTES:

1. DOUBLE INLETS TO BE SD-023 AND SD-024 WITH AP-009 COVER, SEE DETAIL DWG. LD-3276.
2. ALL DOUBLE INLETS TO HAVE 250mm INTER CONNECTION PIPING AND 300 LEADS TO MAIN LINE, SEE DETAIL DWG. LD-3276.
3. ALL DITCH INLETS TO BE SD-025, SEE DETAIL DWG. LD-3276.
4. SEE DWG. D-8891 & D-8892 FOR UNDERGROUND DECOMMISSIONING.
5. 750 FRM, 900 FM, 600 FM AND 375 LDS FOR SLIP RAMP BETWEEN STA 1+265 & STA 1+516.2 NOT SHOWN ON PROFILE FOR CLARITY.
6. EXISTING UNDERGROUND HYDRO CABLE FOR STREET LIGHT (TO BE ABANDONED BY OTHERS) NOT SHOWN FOR CLARITY.
7. MULTI-USE SIDEWALK NOT SHOWN FOR CLARITY.
8. CONTRACTOR TO TAKE EXTRA PRECAUTIONS NOT DISTURB SOIL NEAR EXISTING OR PROPOSED THRUST BLOCKS ON PRESSURE MAINS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

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

APEGM
Certificate of Authorization
Stantec Consulting Ltd.
No. 1301 Expiry: April 30, 2006

EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW
	GAS			MANHOLE			HYDRANT	
	MTS			CATCH BASIN/CATCH PIT			WATERMAIN VALVE	
	HYDRO			C & G INLET WITH BOX			GAS LINE MARKER	
	VIDEON			TREE			LIGHT STANDARD	
	TRAFFIC SIGNALS		TH#10	TEST HOLE			GUY WIRE	
	LAND DRAINAGE SEWER			PROPERTY LINE			TRAFFIC SIGNAL	
	FORCEMAIN			SURVEY BAR			SIGN	
	CATCHBASIN LEAD			GEODETIC MONUMENT			SIGNAL PIT	
	WATERMAIN			FENCE			BOLLARD	
	SUBDRAIN			BACK OF CURB			FENCE	
	DITCH		33.000	ELEVATION	33.000			

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. 66-001
ELEV. 233.425m

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	06.03.03	AJR

Stantec Consulting Ltd.
905 Waverley Street, Winnipeg, Manitoba
Tel 204-489-5900 Fax 204-453-9012

DESIGNED BY	JKH	CHECKED BY	DGM
DRAWN BY	TAG	APPROVED BY	AJR
HOR. SCALE:	1:500	AUTHORIZED BY:	DATE
VERTICAL:	1:50	R. FINGAS	06.03.03
DATE	06.01.10	R. FINGAS, P. ENG. BRIDGE PROJECTS ENGINEER	

ENGINEER'S SEAL
ORIGINAL SEALED BY A.J. RAPOSO P. ENG. 06.03.03

CONSULTANT DRAWING NO.
II3703042-U24

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

KENASTON UNDERPASS PROJECT
KENASTON BOULEVARD RECONSTRUCTION

KENASTON BOULEVARD
LAND DRAINAGE SYSTEM
STA 1+200 TO STA 1+450

SHEET 38 OF 52
CAD FILE DRAWING NUMBER ku-38-40-665.dwg
CITY DRAWING NUMBER LD-3273

V:\13Tjobs\13703042 - Kenaston UP DESIGN\ACAD\CONTRACT 6 - Underpass etc\LG-DRAINAGE\ku-38-40-665.dwg
2006-03-03 03:55PM By: tgall