



NOTE: CHAINAGES SHOWN ARE ALONG CL OF PIPE.

CONSTRUCTION NOTES:

- SEWER INSTALLATION AND MAINTENANCE TO BE IN ACCORDANCE WITH TC E-10.
- SEWER INSTALLATION BY ATKINS PIPE JACKING METHOD.
- SEWER TO BE INSTALLED BY TRENCHLESS METHODS BEFORE COMMENCEMENT OF TUNNEL CONSTRUCTION.
- LOCATION OF EXISTING UTILITIES TO BE CONFIRMED IN THE FIELD BY THE CONTRACTOR.
- ALL ABANDONED BUILDING FOUNDATIONS IN THE PATH OF LDS CONSTRUCTION TO BE REMOVED BY CONTRACTOR.
- CONTRACTOR TO PLUG ANY ABANDONED PIPES THAT ARE BROKEN DURING CONSTRUCTION.
- SEWER AND MANHOLES FROM MH31 TO MH32 TO BE INSTALLED DURING STAGE 1 (SEE C4-S1001-T-R0).
- SEWER AND MANHOLES FROM MH18 TO MH31 TO BE INSTALLED DURING STAGE 2 (SEE C4-S1002-T-R0).

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

- NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
- TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS. SEE PROVINCIAL REGULATION 2107/2 FOR DETAILS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES.

COORDINATES		RIM ELEV.	#	STATION	INVERT			
NORTHING	EASTING				N	S	E	W
5525814.903	633521.830	227.078	MH18	1+000.00	221.635		221.635	
5525921.743	633515.258	224.940	MH31A	1+107.03	222.149		221.849	
5525941.705	633514.030	225.050	MH31	1+127.03	222.199		222.199	
5526021.392	633513.697	227.137	MH32	1+207.90			223.596	

NOTE: ALL COORDINATES SHOWN ON DRAWINGS ARE NAD 83 UTM.  
COMBINED SCALE FACTOR TO OBTAIN GROUND DISTANCES IS 0.9997688

**APEGM**  
Certificate of Authorization  
**Dillon Consulting Limited (MB)**  
No. 1789 Date: 10/13/2009

LOCATION UNDERGROUND	APPROVED STRUCTURES	B.M. 654265 (633392.694, 5525026.192) ELEV. 232.518	DESIGNED BY CLP
SUPV. U/G STRUCTURES COMMITTEE	DATE		DRAWN BY CLP
			CHECKED BY RTP
			APPROVED BY DPK
			HOR. SCALE 1 : 500
			VERTICAL 1 : 50
0 ISSUED FOR TENDER	10.13.2009	CLP	RELEASED FOR CONSTRUCTION
NO. REVISIONS	DATE	BY	DATE 10/13/2009

ENGINEER'S SEAL	PROVINCE OF MANITOBA	REGISTERED PROFESSIONAL ENGINEER
D.P. KRAHN	10/13/2009	Member 4226
CONSULTANT PROJECT NO. 088813		

**DILLON CONSULTING**

**THE CITY OF WINNIPEG TRANSIT DEPARTMENT**

**Winnipeg**

SOUTHWEST RAPID TRANSIT CORRIDOR - STAGE 1  
TRANSITWAY TUNNEL AT CN RIVERS SUBDIVISION  
MILEAGE 1.38 & ASSOCIATED WORKS

LDS - PLAN & PROFILE  
STA. 1+000 TO 1+230

CITY DRAWING NUMBER  
U237-09-73

SHEET 73 OF 73

CONSULTANT DRAWING NUMBER  
C4-U4000-T

C:\CAD\088813\Contract\Contract 4-Underpass\Current\C4-U4000.DWG