



- CONSTRUCTION NOTES:**
- CONTRACTOR SHALL TAKE PRECAUTIONARY STEPS TO AVOID DAMAGE FROM CONSTRUCTION ACTIVITIES TO EXISTING BOULEVARDS AND TREES WITHIN THE LIMITS OF CONSTRUCTION.
  - LOCATION OF EXISTING SERVICES ARE TO BE CONFIRMED IN THE FIELD BY THE CONTRACTOR.
  - TIE-INS TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
  - LIMITS OF SIDEWALK RENEWALS TO BE FINALIZED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
  - BOULEVARD REPLACEMENT TO BE FINALIZED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
  - BASE LINE ALONG NORTHBOUND LANE (LEFT) GUTTER.
  - CONTRACTOR TO INSTALL CB LEADS AT MINIMUM 2% GRADE UNLESS NOTED.
  - CONTRACTOR MUST EXPOSE 69 kv HYDRO DUCT BY HYDRO EXCAVATION METHODS PRIOR TO ANY CONSTRUCTION TAKING PLACE. CONSTRUCTION IN VICINITY OF DUCT MAY REQUIRE SHUT DOWN OF HYDRO DUCT AND MUST BE COORDINATED WITH MANITOBA HYDRO.

**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:

- NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
- TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS. SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

#	COORDINATES		RIM ELEV.	SUMP ELEV.	PIPE LEAD	INV. IN	INV. OUT	TIE-IN AT MAIN
	NORTHING	EASTING						
MH01	5526168.589	633571.953	232.900	228.584	18.7m - 250mm	229.234	229.184	228.810
MH02	5526178.773	633574.569	233.200	228.844	10.5m - 250mm	229.494	229.444	
MH03	5526174.317	633555.635	232.000	228.734	22.4m - 250mm	-	229.334	
CB01	5526200.310	633562.702	231.700	229.296	24.6m - 250mm	-	229.896	
CP01	5526176.289	633563.283	230.180	-	11.6m - 250mm	-	229.350	

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

**APECM**  
Certificate of Authorization  
**Dillon Consulting Limited (MB)**  
No. 1789 Date: 2010/05/14

LOCATION UNDERGROUND	APPROVED STRUCTURES	B.M. ELEV.	654265 (633392.694, 5525026.192) 232.518	DESIGNED BY	CLP
SUPY. U/G STRUCTURES COMMITTEE <td>DATE</td> <td></td> <td></td> <td>DRAWN BY</td> <td>CLP/TJH</td>	DATE			DRAWN BY	CLP/TJH
				CHECKED BY	RTP
				APPROVED BY	DPK
				HOR. SCALE	1 : 250
				VERTICAL	
1	ISSUED FOR TENDER	10/05/14	DPK	RELEASED FOR CONSTRUCTION	ORIGINAL SIGNED BY RANDY FINGAS
NO.	REVISIONS	DATE	BY	DATE	2010/05/14

DESIGNED BY	CLP
DRAWN BY	CLP/TJH
CHECKED BY	RTP
APPROVED BY	DPK
HOR. SCALE	1 : 250
VERTICAL	
DATE	2010/05/14

**DILLON CONSULTING**

RELEASED FOR CONSTRUCTION  
ORIGINAL SIGNED BY RANDY FINGAS  
DATE 2010/05/14

ENGINEER'S SEAL  
PROVINCE OF MANITOBA  
ORIGINAL CERTIFIED BY  
**D.P. KRAHN**  
2010 05 14  
Member  
4226  
REGISTERED PROFESSIONAL ENGINEER

**THE CITY OF WINNIPEG**  
TRANSIT DEPARTMENT

Winnipeg

SOUTHWEST RAPID TRANSIT CORRIDOR - STAGE 1  
OSBORNE STATION & ASSOCIATED WORKS

UNDERGROUND UTILITIES PLAN WEST OF OSBORNE

CITY DRAWING NUMBER  
**B237-10-109**

SHEET OF  
**109** OF **121**

CONSULTANT DRAWING NUMBER  
**C5-U4000-T**

CONSULTANT PROJECT NO.  
**088813**

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