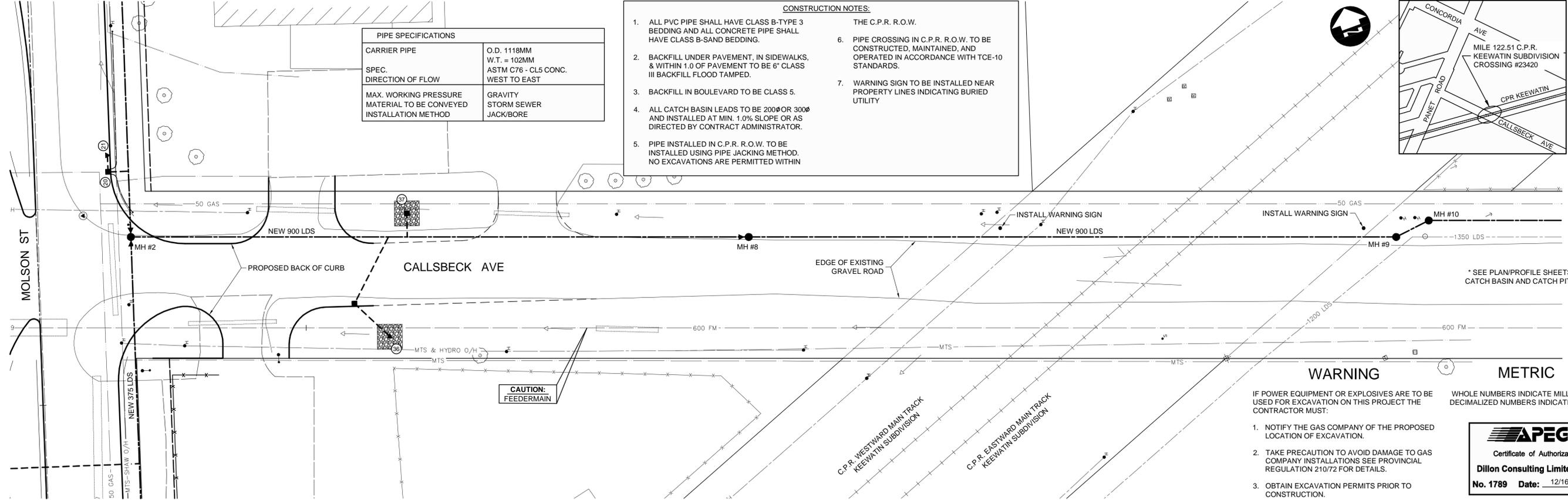
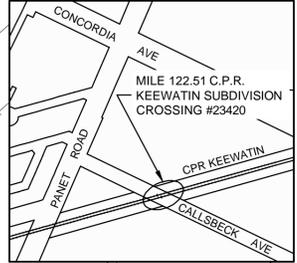


PIPE SPECIFICATIONS	
CARRIER PIPE	O.D. 1118MM W.T. = 102MM
SPEC. DIRECTION OF FLOW	ASTM C76 - CL5 CONC. WEST TO EAST
MAX. WORKING PRESSURE MATERIAL TO BE CONVEYED	GRAVITY STORM SEWER
INSTALLATION METHOD	JACK/BORE

- CONSTRUCTION NOTES:**
- ALL PVC PIPE SHALL HAVE CLASS B-TYPE 3 BEDDING AND ALL CONCRETE PIPE SHALL HAVE CLASS B-SAND BEDDING.
  - BACKFILL UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 OF PAVEMENT TO BE 6" CLASS III BACKFILL FLOOD TAMPED.
  - BACKFILL IN BOULEVARD TO BE CLASS 5.
  - ALL CATCH BASIN LEADS TO BE 200Ø OR 300Ø AND INSTALLED AT MIN. 1.0% SLOPE OR AS DIRECTED BY CONTRACT ADMINISTRATOR.
  - PIPE INSTALLED IN C.P.R. R.O.W. TO BE INSTALLED USING PIPE JACKING METHOD. NO EXCAVATIONS ARE PERMITTED WITHIN THE C.P.R. R.O.W.
  - PIPE CROSSING IN C.P.R. R.O.W. TO BE CONSTRUCTED, MAINTAINED, AND OPERATED IN ACCORDANCE WITH TCE-10 STANDARDS.
  - WARNING SIGN TO BE INSTALLED NEAR PROPERTY LINES INDICATING BURIED UTILITY



**WARNING**      **METRIC**

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.
- OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.

WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**APEGM**  
Certificate of Authorization  
**Dillon Consulting Limited (MB)**  
No. 1789    Date: 12/16/2013

150 WM	150 WM	HYDRO	HYDRO	150 WM	WATERMAIN	150 WM	UNDERGROUND STRUCTURES	B.M. ELEV.	DESIGNED BY	ENGINEER'S SEAL	THE CITY OF WINNIPEG	CITY DRAWING NUMBER		
HYDRANT VALVE	300 LDS LAND DRAINAGE SEWER	MTS	M.T.S. CONCRETE	300 LDS LAND DRAINAGE SEWER	HYDRANT VALVE	250 WWS WASTE WATER SEWER	SUPPLY, U/G STRUCTURES		WPN		<b>THE CITY OF WINNIPEG</b> PUBLIC WORKS DEPARTMENT	P-3350-37 SHEET 37 OF 45		
MANHOLE	250 WWS WASTE WATER SEWER		ASPHALT PLANING	WASTE WATER SEWER	PLANING	DATE		TJH					PANET ROAD/MOLSON STREET RECONSTRUCTION AND TWINNING	CONSULTANT DRAWING NUMBER LDS - CALLSBECK (1 OF 3)
CATCH BASIN	300 LDS LAND DRAINAGE SEWER		PAVING STONES	WASTE WATER SEWER	SIDEWALK			JNC						
CURB INLET	250 WWS WASTE WATER SEWER		PARTIAL DEPTH REPAIR	WASTE WATER SEWER	PROPERTY LINE			DPK	12/16/2013					
JUNCTIONS	100 GAS		DRAINAGE ARROW	WASTE WATER SEWER	CURB RAMP									
CULVERT	100 GAS		CURB RAMP	WASTE WATER SEWER	LEGEND-PROFILE									
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED						

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