



**AECOM**  
As of January 3, 2009,  
EarthTech became AECOM  
Canada Ltd.

**AECOM AS-CONSTRUCTED**  
SIG..... DATE.....

- REFERENCE NOTES**
- LEGAL PLAN - L.B.I.S.
  - ADD 200.000 TO OBTAIN GEODETIC DATUM.
  - PAVEMENT DIMENSIONS ARE TO BACK OF CURB.
  - FOR SITE UTILITY INFORMATION SEE DWG C2.01.
- CONSTRUCTION NOTES:**
- REMOVED EXISTING TOPSOIL WITHIN LIMITS OF NEW PAVEMENTS AND DITCHES.
  - REMOVED EXISTING TREE.
  - SUPPLIED AND PLACED IMPORTED TOPSOIL AND SEED.
  - REGRADED EXISTING DITCH.
  - PLACED SUITABLE SITE SUBGRADE MATERIAL AS REQUIRED.
  - EXCAVATED AND GRADED NEW DITCH.
  - SUPPLIED AND INSTALLED 300Ø CSP CULVERT.
  - PLANNED AND CONSTRUCTED NEW ASPHALTIC CONCRETE OVERLAY.
  - CONSTRUCTED NEW 150mm REINFORCED CONCRETE PAVEMENT c/w ASPHALTIC CONCRETE OVERLAY.
  - CONSTRUCTED NEW 3% CROWNED GRAVEL ACCESS ROAD (20mm LESTONE, 150mm THICK). EMBANKMENT CONSTRUCTED WITH SUITABLE SITE FILL MATERIAL.
  - CONSTRUCTED NEW 200mm REINFORCED CONCRETE PAVEMENT.
  - CONSTRUCTED NEW 100mm ASPHALTIC CONCRETE ROADWAY.
  - INSTALLED NEW BARRIER CURB AND GUTTER (150mm HEIGHT).
  - INSTALLED NEW LIP CURB AND GUTTER (75mm HEIGHT).
  - CONSTRUCTED NEW 100mm CONCRETE SIDEWALK.
  - CONSTRUCTED NEW 100mm ASPHALTIC CONCRETE TURNAROUND.
  - CONSTRUCTED NEW 150mm THICK-20mm DOWN LESTONE SURFACE
  - REMOVED EXISTING 450mmØ CULVERT.
  - REMOVED EXISTING LIP CURB AND CONSTRUCTED NEW BARRIER CURB (DOWELLED).
  - CONSTRUCTED BARRIER CURB (SEPARATE, 150mm HEIGHT).
  - INSTALLED 150mm SUBRAIN.
  - CONTRACTOR WAS RESPONSIBLE FOR PROTECTING POWER CABLE TO COMMUNICATIONS TOWER DURING CONSTRUCTION.
  - FIBRE OPTIC CABLE RELOCATED (BY OTHERS). CONTRACTOR WAS RESPONSIBLE FOR PROTECTING FIBRE OPTIC CABLE TO COMMUNICATIONS TOWER PRIOR TO RELOCATION.
  - INSTALLED BOLLARD (SEE DETAIL 6, DWG C8.02)(24 IN TOTAL)
  - CONSTRUCTED CONCRETE MEDIAN SLAB.
  - PAINTED PARKING LINES YELLOW (2.75m TYPICAL SPACING).
  - CONSTRUCTED NEW 150mm REINFORCED CONCRETE PAVEMENT.
  - PROOF ROLLED SUBGRADE IN PROPOSED PAVEMENT AREAS.
  - CONSTRUCTED 50mm ASPHALT PAVEMENT c/w 20mm LESTONE BASE COURSE (100mm THICK).
  - INSTALLED PRECAST PARKING CURB.
  - CONSTRUCTED NEW GUTTER SECTION.
  - INSTALLED NEW LIP CURB (75mm HEIGHT, INTEGRAL).
  - INSTALLED BOULEVARD CATCHBASIN PAD (SEE DETAIL 5, DWG C8.02).
  - APPLIED SURFACE PROTECTION WITH COATING FORMULA 30.
  - SUPPLIED AND PLACED IMPORTED TOPSOIL AND SOD.
  - LEFT AREA IN ROUGH GRADED STATE.
  - PLATE COMPACTED 19mm CRUSHED LESTONE TO 100% STANDARD PROCTOR DENSITY TO WITHIN 100mm TOP OF MEDIAN CURB. THEN PLACED A PROPEX 861 (OR EQUIVALENT) NON-WOVEN GEOTEXTILE UNDER 100mm OF 25mm CLEAN CRUSHED LESTONE.
  - CONSTRUCTED NEW 50mm ASPHALTIC CONCRETE ACCESS ROAD c/w 20mm LESTONE BASE COURSE (150mm THICK).



**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	---	LIGHT STANDARD
◇	HYDRANT	+	M.T.S.	---	ANCHOR
⊙	VALVE	○	CONCRETE	---	POLE
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	ASPHALT	---	CONTOURS
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	PROPERTY LINE	---	RAIL X-ING SIGNAL
○	MANHOLE	⊕	SURVEY BAR	---	© RAILWAY TRACK
□	CATCH BASIN	232.750	ELEVATION	---	DITCH
▽	CURB INLET	300Ø	TREE	---	FENCE
ANODE	CULVERT		GRANULAR	---	
	GAS		CONCRETE SIDEWALK	---	
			SEED/TOPSOIL	---	
EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED

**AECOM**  
Certificate of Authorization  
AECOM Canada Ltd.  
Original dated on:  
No. 4671 Date: 2010/04/30

13-02/ W side Main St. on the grounds of the North End Treatment Plant, 1411 on top of conc. pit in front of main bldg, 22.3m E. of line of most Ely. wall & 32.8m S. of most Nly. wall of main bldg. (tie to 1411) ELEV. = 231.261m

03	AS-CONSTRUCTED DRAWING	09/11/05	JC
02	ISSUED FOR CONSTRUCTION	06/08/30	JC
01	291-2006 ADDENDUM 3	06/07/12	JC
00	ISSUED FOR TENDER	06/05/15	JC
NO.	REVISIONS	DATE	BY

**AECOM**

DESIGNED BY	BSK	CHECKED BY	JC
DRAWN BY	BSK/RTC	APPROVED BY	JEH
SCALE:	1:300	RELEASED FOR CONSTRUCTION BY:	K.MARTENS
DATE	2006/04/17	DATE	2006/05/15

ENGINEER'S SEAL

ORIGINAL SIGNED BY	J.N. CRANG
DATE	2006/05/15
CONSULTANT DRAWING NO.	C8.01

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT  
ENGINEERING DIVISION

**NEWPCC CENTRATE NUTRIENT TREATMENT NITROGEN REMOVAL FACILITY**

CIVIL  
PAVING AND GRADING PLAN

CITY FILE NUMBER  
SHEET OF  
CITY DRAWING NUMBER  
**1-0101C-C0009-001-03**