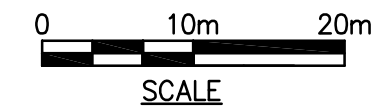


**FENCING NOTES:**  
 1. CONSTRUCT FENCING IN ACCORDANCE WITH CW3550-R2.  
 2. SALVAGE FENCE FABRIC, GATES, AND GATE HARDWARE FOR REUSE. SUPPLY ADDITIONAL FENCE FABRIC AS REQUIRE TO COMPLETE INSTALLATION.  
 3. FENCING SHALL BE 2440mm HIGH WITH TOP AND BOTTOM RAILS AND 3 STRAND BARBED WIRE ON ANGLED BRACKETS FACING OUTSIDE PROPERTY EXCEPT AS NOTED.  
 4. POSTS SHALL BE SET IN CONCRETE.  
 5. SUPPLY HORIZONTAL BRACES AT ALL TERMINAL AND CORNER POSTS.  
 6. VENT ENCLOSURE FENCING SHALL BE 1.2m HIGH WITH POSTS SET ON BRACKETS BOLTED TO CONCRETE SLAB.

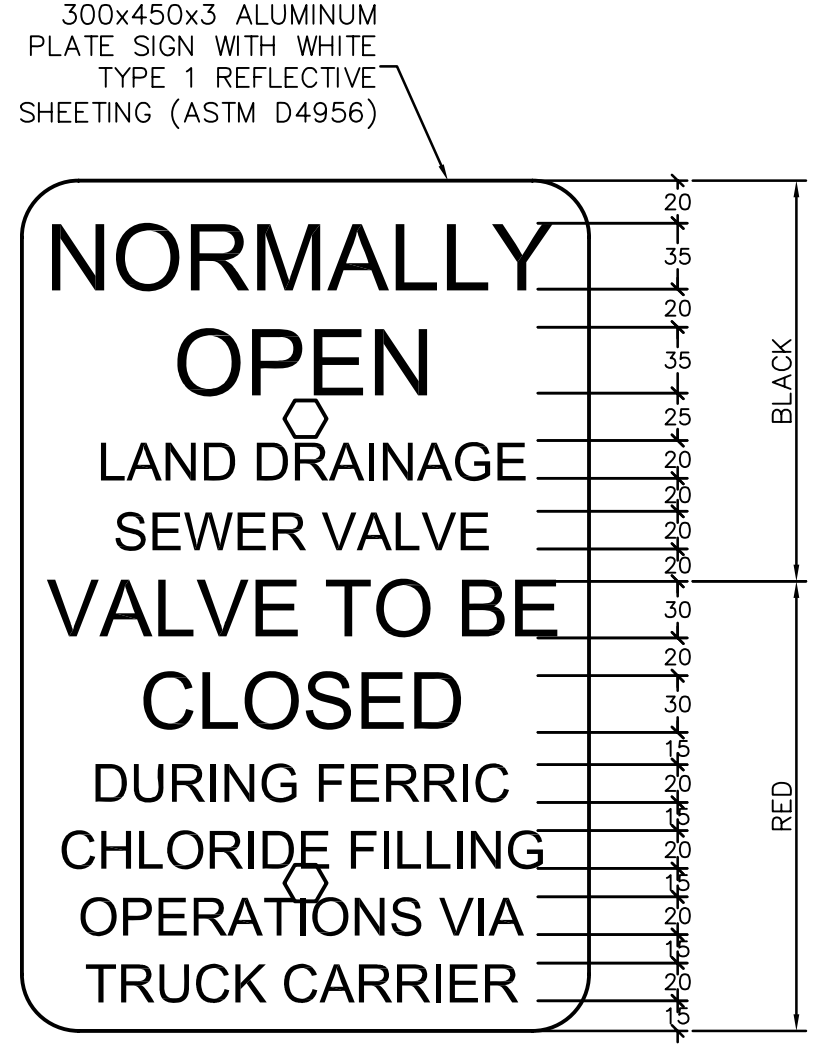
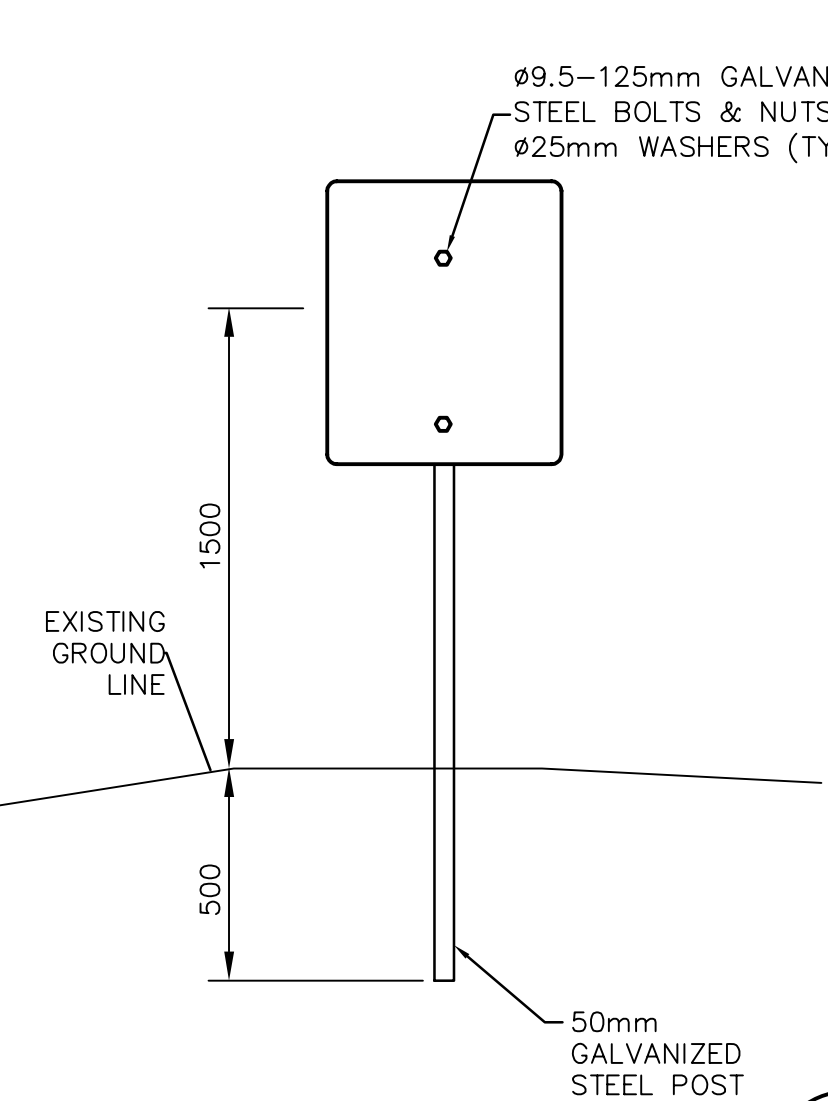
**FENCING PLAN**  
 SCALE 1:500



**NOTE:**  
 THIS AS-CONSTRUCTED DRAWING WAS COMPLETED USING THE LATEST INFORMATION RECEIVED FROM THE CONTRACTOR.

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

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



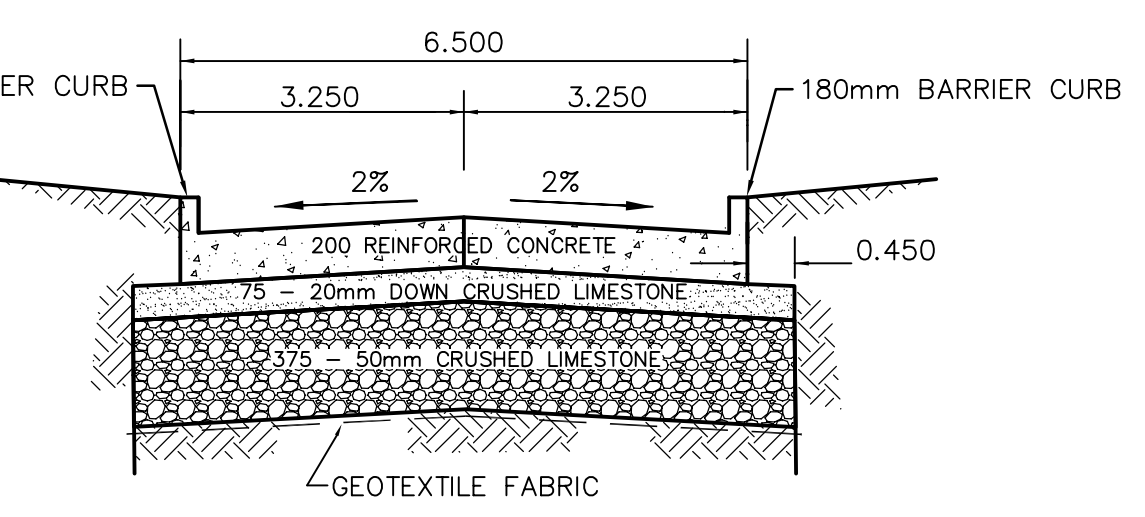
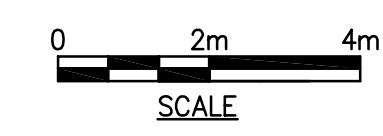
**3**  
 CCI.02  
 SCALE NTS

**NOTE:** ALL LETTERING TO BE HELVETICA.

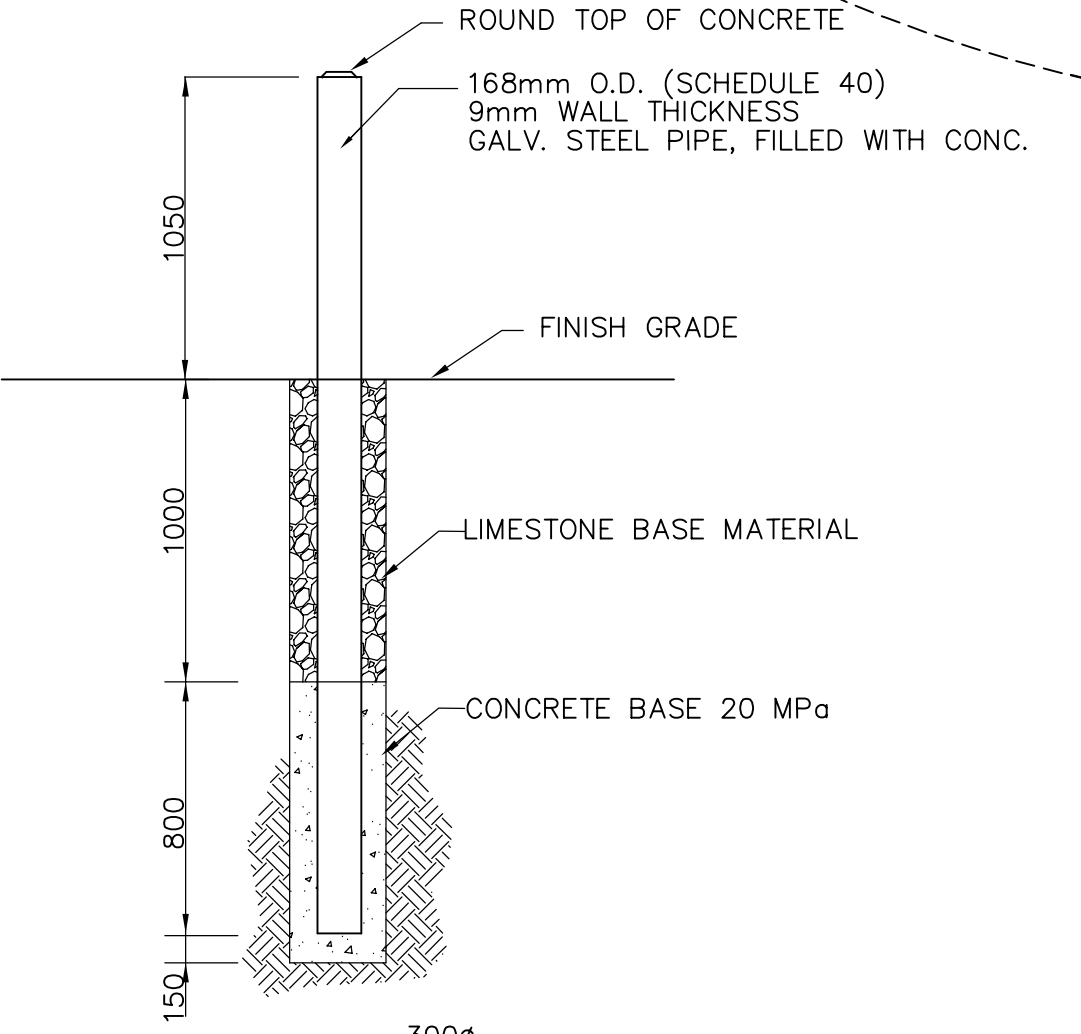
**GENERAL NOTES:**  
 A. ALL WORK AND MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.  
 B. LOCATION OF UTILITIES SHOWN ON DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.  
 C. ALL TRENCHES UNDER OR WITHIN 1.0M OF EXISTING OR PROPOSED PAVEMENTS, STRUCTURES OR RAIL TRACKS SHALL BE BACKFILLED WITH CLASS 2 BACKFILL. ALL OTHER TRENCH BACKFILL SHALL BE CLASS 4.  
 D. ALL SEWER AND WATER PIPING TO HAVE NITRILE GASKETS.  
 E. ALL DISTURBED LANDSCAPED AREAS ARE TO BE RESTORED WITH TOPSOIL AND SOD.  
 F. REGRADE AROUND RAILCAR SHELTER FROM 100mm BELOW FINISHED FLOOR GRADE TO EXISTING GROUND ELEVATION AT MINIMUM 5:1 SLOPE.

**UTILITY CONSTRUCTION NOTES:**  
 1. INSTALL NEW MANHOLE ON EXISTING LAND DRAINAGE SEWER. ABANDON EXISTING LAND DRAINAGE SEWER WEST OF NEW MANHOLE.  
 2. REMOVE EXISTING MANHOLE AND INSTALL NEW MANHOLE. RENEW EXISTING SEWER 3.0m WEST OF NEW MANHOLE (SD 022A).  
 3. REPLACE EXISTING MOUNTABLE CURB AND GUTTER INLET FRAME AND COVERS WITH NEW BARRIER CURB INLET FRAME. DELIVER SALVAGED FRAMES AND COVERS TO WATER SERVICES DIVISION YARD, 552 PLINGUET STREET.  
 4. RECONSTRUCT ALL REMOVED PAVEMENT AS SHOWN ON DETAIL 1-CC1.02.  
 5. CONSTRUCT 1.5m WIDE SIDEWALK.  
 6. CONNECT EXISTING CB LEAD TO NEW MANHOLE. ABANDON CB LEAD SOUTH OF NEW MANHOLE.  
 7. GRADE, TOPSOIL AND SOD BOULEVARD AREAS TO ELEVATIONS SHOWN.  
 8. RESTORE ALL OTHER BOULEVARD AREAS TO A CONDITION EQUAL TO OR BETTER ORIGINAL CONDITION.

**UTILITIES PLAN**  
 SCALE 1:100



**TYPICAL PAVEMENT CROSS-SECTION**  
 NOT TO SCALE



**2**  
 CCI.02  
 SCALE NTS

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	ANCHOR	LIGHT STANDARD
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	M.T.S.	POLE	CONTOURS
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	CONCRETE	RAIL X-ING SIGNAL	DITCH
	MANHOLE		ASPHALT	RAILWAY TRACK	SWALE
	CATCH BASIN		PROPERTY LINE	DITCH	COMPRESSED AIR
	CURB INLET		SURVEY BAR		
	JUNCTIONS		ELEVATION		
	CULVERT		TREE		
	GAS		ANODE		
			CONCRETE SIDEWALK		
			FENCE		
EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED

**AECOM**  
 Certificate of Authorization  
 AECOM Canada Ltd.  
 Original dated on:  
 No. 4671 Date: 2005/12/02

02	AS CONSTRUCTED	09/07/16	DEP
01	ISSUED FOR CONSTRUCTION	06/03/24	JBC
00	ISSUED FOR TENDER	05/12/2	GSK
NO.	REVISIONS	DATE	BY

**EarthTech**  
 A Tyco International Ltd. Company

DESIGNED BY: GSK  
 CHECKED BY: JEJ  
 DRAWN BY: MAF  
 APPROVED BY: D. TANIGUCHI  
 SCALE: AS NOTED  
 RELEASED FOR CONSTRUCTION BY: K. MARTENS  
 DATE: 2005/10/12  
 DATE: 05/12/02

ENGINEER'S SEAL  
 ORIGINAL SIGNED BY: J.E. HUTCHISON  
 2005/12/02  
 CONSULTANT DRAWING NO. CCI.02

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

NEWPCC CENTRATE NUTRIENT TREATMENT PHOSPHORUS REMOVAL FACILITY  
 CONTRACT No. 1

CIVIL SITE UTILITIES AND DETAILS

CITY FILE NUMBER  
 SHEET OF  
 CITY DRAWING NUMBER  
**1-0101F-C0002-001-02**