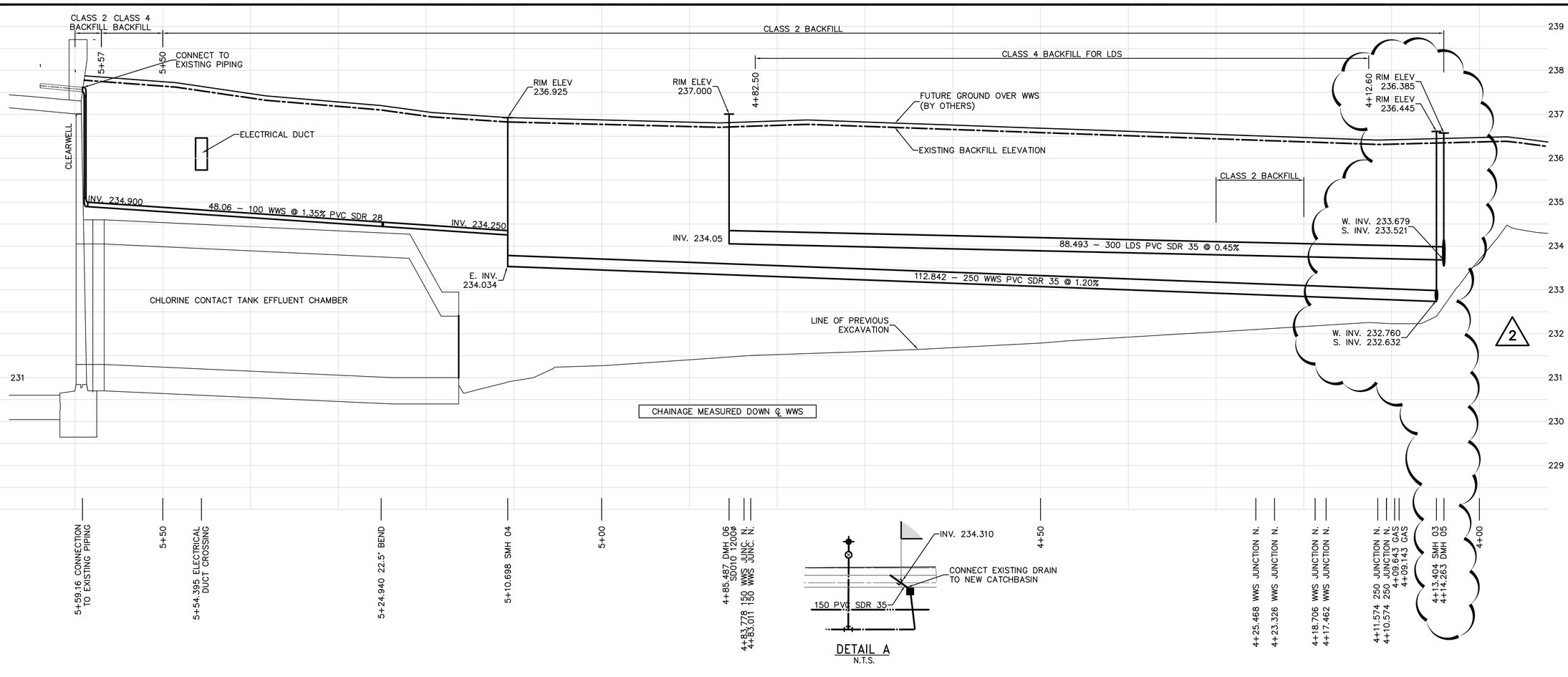
SHEET: COW-A1 (05/2005)



GENERAL NOTES:

A. LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

CONSTRUCTION NOTES:

1. ALL CATCH BASINS ARE 1800 BARREL HEIGHT UNLESS OTHERWISE NOTED.
2. ALL PIPE BEDDING TO BE CLASS B SAND BEDDING UNLESS OTHERWISE NOTED.
3. ALL CATCH BASIN LEADS ARE 250 DIAMETER UNLESS OTHERWISE NOTED.
4. BACKFILL ALL CATCHBASIN LEADS UNDER PROPOSED PAVEMENTS AND SIDEWALKS WITH CLASS 2 BACKFILL. BACKFILL WITH CLASS 4 BACKFILL IN BOULEVARD AREAS.

BENCHMARK NOTES:

DRAWING COORDINATES ARE UTM NAD83
SCALE FACTOR 0.99983

B.M. No.	NORTHING	EASTING	ELEVATION
PILE 136	5523873.734	647764.406	236.242
PILE 133	5523256.606	647782.387	236.056

LAND DRAINAGE SEWER COORDINATE TABLE		
DESCRIPTION	NORTHING	EASTING
DMH 05	5524052.761	648002.250
DMH 06	5524096.048	647925.067
CB 10	5524061.026	647990.169
CB 11	5524067.680	647993.837
CB 12	5524097.709	647924.770
CB 13*	5524104.332	647928.485

*1800ø BARREL WITH 900 HIGH 900ø RISER

WASTEWATER SEWER COORDINATE TABLE		
MANHOLE	NORTHING	EASTING
SMH 03	5524055.799	648002.965
SHM 04	5524110.997	647904.545
WWS TEE 1	5524069.306	647978.882
WWS TEE 2	5524097.454	647928.694
22.5° ELBOW 1	5524108.79	647890.475
CONNECTION TO BLDG	5524118.097	647857.542

0 10m 20m
SCALE

APEGM
Certificate of Authorization
Earth Tech Canada Inc.
No. 730 Expiry: April 30, 2007

NO.	REVISIONS	DATE	BY
02	94-2007 ADDENDUM 3	07/06/05	GSK
01	REVISED DUCT BANK LOCATION	07/04/05	GSK
00	ISSUED FOR TENDER (94-2007)	07/02/20	GSK

B.M. ELEV.

CH2MHILL / Fredericksen Cooper ARCHITECTS / EarthTech (A Tyco International Ltd. Company)

DESIGNED BY	GSK	CHECKED BY	KF
DRAWN BY	JBC	APPROVED BY	AHL
SCALE:	1:250 HOR 1:50 VER	RELEASED FOR CONSTRUCTION BY:	R. SOROKOWSKI
DATE	2006/11/21	DATE	2007/02/20

ENGINEER'S SEAL
ORIGINAL SIGNED BY
K.W. FITCHETT
2007/02/20

CONSULTANT DRAWING NO.
WH-C0204

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

WATER TREATMENT PLANT
SITE UTILITIES

CIVIL
LAND DRAINAGE AND WASTEWATER SEWER
STA. 3+96 TO CLEARWELL

CITY FILE NUMBER
SHEET OF
CITY DRAWING NUMBER
1-0601H-C-C0204-001-02D

Last Save: 2007-06-05 10:00 PM

L:\WORK\79000\79538\02A-CAD\MUN\CONTR\SITE UTILITIES\DN_WH-C0204_ET.DWG