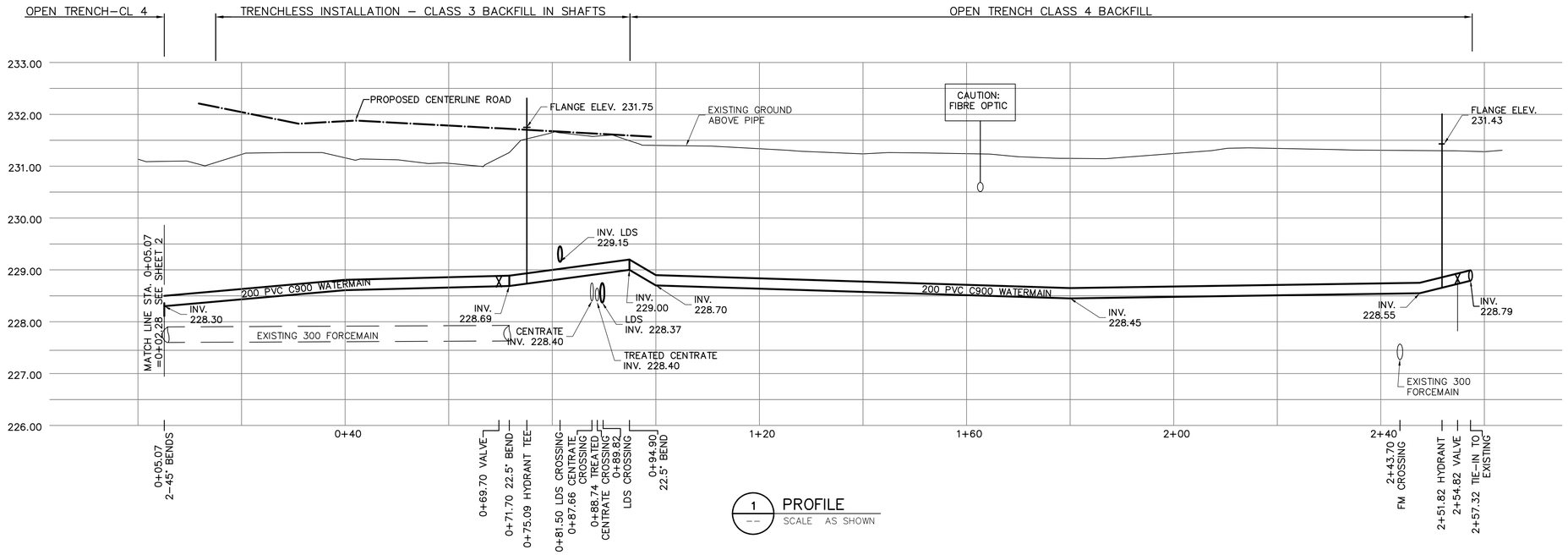
SHEET: COW-A1 (05/2005)



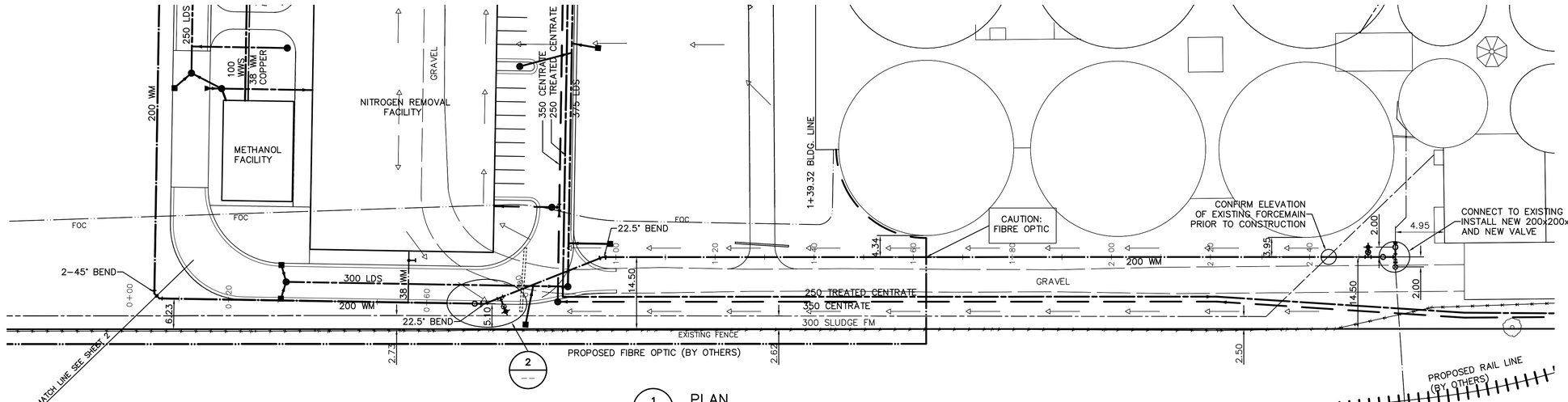
1 PROFILE
SCALE AS SHOWN

CONSTRUCTION NOTES

1. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
2. RESTORE ALL SURFACES TO A CONDITION EQUAL TO OR BETTER THAN ORIGINAL CONDITION.
3. MINIMUM COVER TO TOP OF WATERMAIN TO BE 2.50m FROM FINISHED GRADE.
4. INSTALL HYDRANTS WITH FLANGE 75-100mm ABOVE FINISHED GRADE.
5. COORDINATE WATER SHUTDOWN WITH PLANT MANAGER MINIMUM 72 HOURS PRIOR TO CONSTRUCTION.
6. ALL VALVES SHALL BE BLACK TOP (CLOCKWISE TO CLOSE)
7. ACCESS TO BOILER BUILDING TO BE MAINTAINED AT ALL TIMES.

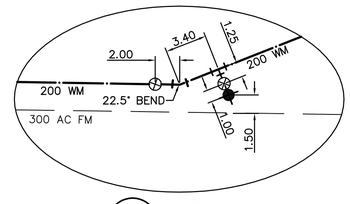
GENERAL NOTES:

A. BASELINE MEASURED DOWN CENTERLINE OF WATERMAIN.
B. EARTH TECH FIELD BOOK No. 4401
C. 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.



1 PLAN
SCALE AS SHOWN

METRES
0 10 20 30 40 50
SCALE 1:500



2 DETAIL
SCALE AS SHOWN

150 mm W.M.	WATERMAIN	150 mm W.M.		HYDRO			LIGHT STANDARD	
	HYDRANT			M.T.S./F.O.C.			BOLLARD	○B
	VALVE			CONCRETE			FIRE EXTINGUISHER	FE
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.		ASPHALT			CURB STOP	
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.		PROPERTY LINE			TREATED CENTRATE	
○	MANHOLE	●	TH	TEST HOLES			℄ RAILWAY TRACK	
□	CATCH BASIN	■	232.750	ELEVATION	32.750		DITCH	
▽	CURB INLET	▼	3500ø	TREE			RAS	
	JUNCTIONS			ANODE			WAS	
	CULVERT			CONCRETE SIDEWALK			FW	
	GAS			FENCE			CENTRATE	
EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED

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

B.M. 13-027 W. side Main St. on the grounds of the North End Treatment Plant, Tbit. on top of Conc. pit in front of main ELEV. bldg., 22.3m E. of line of most Ely. wall & 32.8m S. of most Nly. wall of main bldg. (ties to tbit.) ELEV= 231.261m

NO.	REVISIONS	DATE	BY
.00	ISSUED FOR TENDER	06/05/15	FC

EarthTech
A Tyco International Ltd. Company

DESIGNED BY	GSK	CHECKED BY	KWF
DRAWN BY	FC	APPROVED BY	JEH
SCALE:	HOR: 1:500 VERT: 1:50	RELEASED FOR CONSTRUCTION BY:	K. MARTENS
DATE	2006/01/16	DATE	2006/05/15

ENGINEER'S SEAL
ORIGINAL SIGNED BY
K.W. FITCHETT
2006/05/15

CONSULTANT DRAWING NO.
C3.01

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

NEWPCC CENTRATE NUTRIENT TREATMENT
NITROGEN REMOVAL FACILITY

CIVIL
WATERMAINS - PLAN AND PROFILE
SHEET 1

CITY FILE NUMBER
SHEET OF
CITY DRAWING NUMBER

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