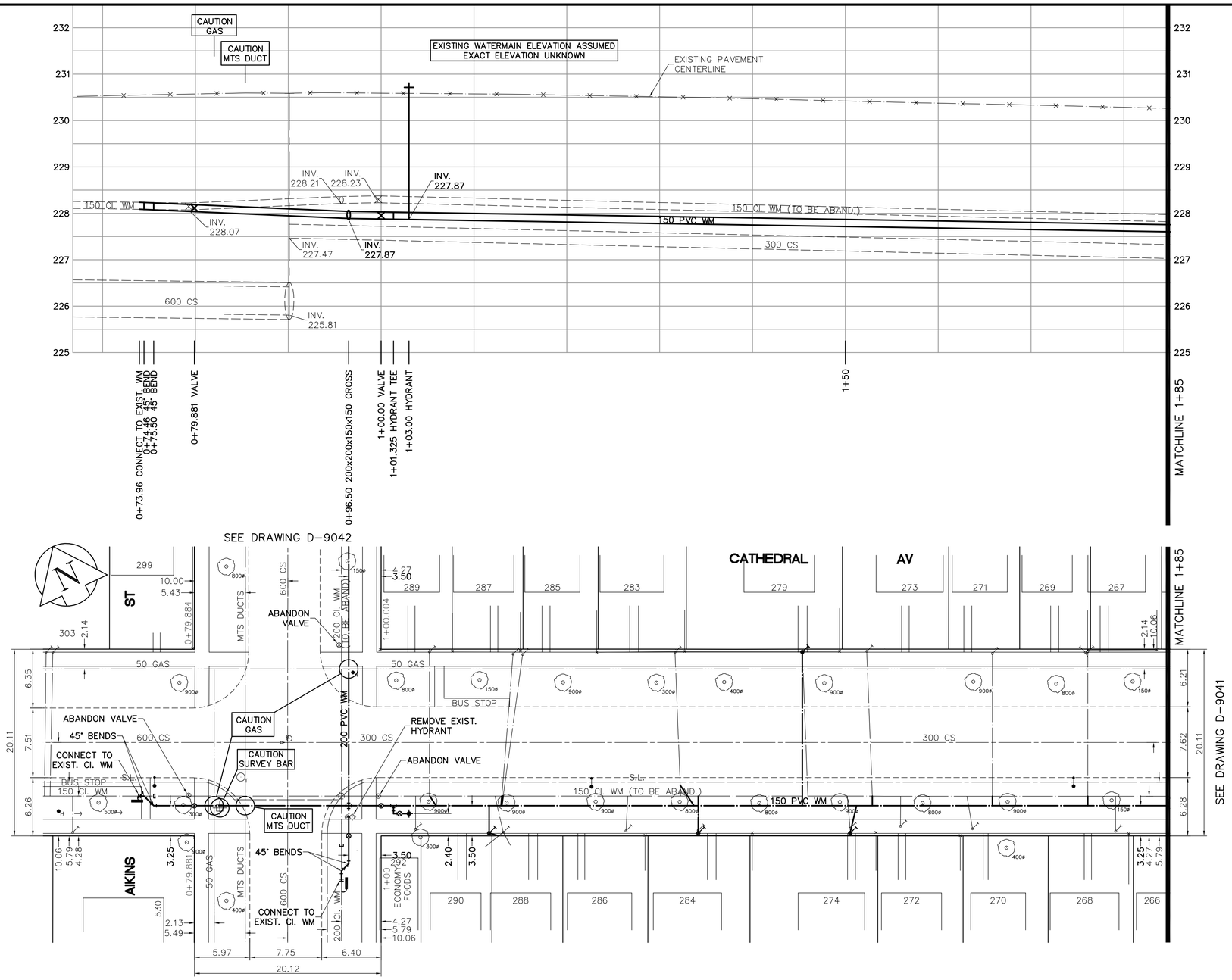

CONSTRUCTION NOTES

1. EXPOSE WATERMAIN CONNECTIONS AND CONFIRM INVERTS PRIOR TO CONSTRUCTION.
2. INSTALL WATERMAIN BY TRENCHLESS METHODS.
3. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
4. MINIMUM COVER TO TOP OF PROPOSED WATERMAIN SHALL BE 2.5m FROM STREET CENTERLINE.
5. INSTALL ALL HYDRANTS WITH FLANGE ELEVATION 50mm– 150mm ABOVE FINISHED GRADE.
6. REPLACE ALL EXISTING LEAD SERVICES FROM THE PROPOSED WATERMAIN TO PROPERTY LINE.
7. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS. IN ADVANCE OF ANY WATER SHUTDOWN OR DISRUPTION OF SERVICE.
8. LOCATION OF WATER SERVICES SHOWN ON DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE ALL WATER SERVICES PRIOR TO CONSTRUCTION.
9. ALL VALVES SHALL BE RED TOP (COUNTER CLOCKWISE TO CLOSE).
10. BACKFILL UNDER OR WITHIN 1.0m OF PAVEMENTS, INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL EXCEPT AS NOTED. BACKFILL IN BOULEVARDS SHALL BE CLASS 5 BACKFILL.
11. RENEW ALL LEAD SERVICES TO PROPERTY LINE.
12. CHAINAGE MEASURED ALONG SOUTH PROPERTY LINE.

	ADDRESS	NATURE OF SERVICE	SIZE	MATERIAL	DISTANCE SC TO PROPERTY	POSITION OF SC (curb stop)	POSITION OF CC (corp)	COMMENTS:
267	CATHEDRAL AV	RESIDENTIAL	19 mm	COPPER	0.5 m	Long: 75.6 m E of EL AIKINS Short: 0.3 m W of WL BLDG	Long: Short: OPP of S/C	RENEWED 1958
268	CATHEDRAL AV	RESIDENTIAL	19 mm	COPPER	0.5 m	Long: 79.2 m E of EL AIKINS Short: 0.8 m W of EL BLDG	Long: Short: OPP of S/C	RENEWED 1967
270	CATHEDRAL AV	RESIDENTIAL	19 mm	COPPER	0.3 m	Long: 64.0 m E of EL AIKINS Short: 0.6 m E of WL BLDG	Long: Short: 0.6 m W of S/C	
271	CATHEDRAL AV	RESIDENTIAL	19 mm	COPPER	0.5 m	Long: 66.1 m E of EL AIKINS Short: 1.7 m W of EL BLDG	Long: Short: OPP of S/C	
272	CATHEDRAL AV	RESIDENTIAL	19 mm	COPPER	0.3 m	Long: 64.0 m E of EL AIKINS Short: 1.8 m E of EL BLDG	Long: Short: OPP of S/C	BRANCH WITH 270
273	CATHEDRAL AV	RESIDENTIAL	19 mm	COPPER	0.3 m	Long: 54.3 m E of EL AIKINS Short: 0.3 m W of WL BLDG	Long: Short: 0.6 m E of S/C	REVERSE TAP
274	CATHEDRAL AV	RESIDENTIAL	13 mm	**LEAD**	0.3 m	Long: 50.0 m E of EL AIKINS Short: 0.6 m W of WL BLDG	Long: Short: 0.3 m E of S/C	**RENEW TO PROPERTY**
279	CATHEDRAL AV	RESIDENTIAL	13 mm	**LEAD**	0.3 m	Long: 49.4 m E of EL AIKINS Short: 1.1 m W of EL BLDG	Long: Short: 0.6 m E of S/C	**RENEW TO PROPERTY**
283	CATHEDRAL AV	RESIDENTIAL	19 mm	COPPER	0.3 m	Long: 31.7 m E of EL AIKINS Short: 0.6 m E of EL BLDG	Long: Short: 0.6 m E of S/C	RENEWED 1998

	ADDRESS	NATURE OF SERVICE	SIZE	MATERIAL	DISTANCE SC TO PROPERTY	POSITION OF SC (curb stop)	POSITION OF CC (corp)	COMMENTS:
284	CATHEDRAL AV	RESIDENTIAL	13 mm	**LEAD**	0.3 m	Long: 34.1 m E of EL AIKINS Short: 1.8 m W of EL BLDG	Long: Short: OPP of S/C	**RENEW TO PROPERTY**
285	CATHEDRAL AV	RESIDENTIAL	19 mm	COPPER	0.3 m	Long: 15.5 m E of EL AIKINS Short: 0.3 m W of WL BLDG	Long: Short: 2.1 m W of S/C	
286	CATHEDRAL AV	RESIDENTIAL	19 mm	COPPER	0.3 m	Long: 27.1 m E of EL AIKINS Short: 0.9 m W of EL BLDG	Long: Short: 0.6 m W of S/C	ORG SERV PB, RENEWED
287	CATHEDRAL AV	RESIDENTIAL	19 mm	COPPER	0.3 m	Long: 14.6 m E of EL AIKINS Short: OPP of EL BLDG	Long: Short: 1.2 m W of S/C	
288	CATHEDRAL AV	RESIDENTIAL	19 mm	COPPER	0.3 m	Long: 13.7 m E of EL AIKINS Short: 1.2 m E of WL BLDG	Long: Short: 0.9 m W of S/C	BRANCH WITH 290
289	CATHEDRAL AV	RESIDENTIAL	19 mm	COPPER	0.3 m	Long: 5.2 m E of EL AIKINS Short: 1.8 m W of EL BLDG	Long: Short: OPP of S/C	
290	CATHEDRAL AV	RESIDENTIAL	19 mm	COPPER	0.3 m	Long: 13.7 m E of EL AIKINS Short: 1.2 m E of WL BLDG 228	Long: Short: 0.9 m W of S/C	**RENEW TO PROPERTY**
292	CATHEDRAL AV	RESIDENTIAL	19 mm	COPPER	0.6 m	Long: 4.0 m E of EL AIKINS Short: 0.3 m W of EL BLDG	Long: Short: OPP of S/C	RENEWED 1957
269	CATHEDRAL AV	RESIDENTIAL	19 mm	COPPER	0.5 m	Long: 75.3 m E of EL AIKINS Short: 1.4 m E of EL BLDG	Long: Short: OPP of S/C	BRANCH W/267

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

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES
0 10m 20m
SCALE

EXISTING	LEGEND – PLAN	PROPOSED	EXISTING	LEGEND – PLAN	PROPOSED	EXISTING	LEGEND – PROFILE	PROPOSED
150 mm W.M.	WATERMAIN	150 mm W.M.		HYDRO		150 mm W.M.	WATERMAIN	
	HYDRANT			TELEPHONE			HYDRANT	
	VALVE			CONCRETE			VALVE	
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.		ASPHALT		300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.		PROPERTY LINE		250mm W.W.S.	WASTE WATER SEWER	250mm W.W.S.
	MANHOLE			SURVEY BAR			℄ PROFILE	
	CATCH BASIN			CURB STOP				
	CURB INLET			TREE				
	JUNCTIONS			ANODE				
	CULVERT			CONCRETE SIDEWALK				
	GAS			FENCE				

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE DATE

NOTE:
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.

B.M. 26–036 N.W. Cor. Church Ave. and Andrews St., brass plug in a 4.6m Conc. pile, 0.3m N. of the N.L. Church Ave., and 2.6m E. of the W.L. Andrews St.
ELEV. 231.470

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	16/06/2004	GSK
A	ISSUED FOR REVIEW	14/06/2006	GSK

EARTH TECH
A tyco INTERNATIONAL LTD. COMPANY
Earth Tech (Canada) Inc. Winnipeg, Manitoba 204.477.5381

DESIGNED BY	GDL,GSK	CHECKED BY	GSK
DRAWN BY	MAF	APPROVED BY	KWF
HOR. SCALE: 1:250 VERTICAL SCALE: 1:50		RELEASED FOR CONSTRUCTION BY:	K. ZUREK
DATE	04/05/2006	DATE	19/06/2006

ENGINEER'S SEAL
PROVINCE OF MANITOBA
ORIGINAL SIGNED BY
K.W. FITCHETT
16/06/2006
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
92736–C12

THE CITY OF WINNIPEG
Winnipeg WATER AND WASTE DEPARTMENT

2006 WATERMAIN RENEWALS
CONTRACT 19

SHEET 4 OF 14

CATHEDRAL AVENUE
AIKINS STREET TO CHARLES STREET
AIKINS STREET TO STA. 1+85

CITY DRAWING NUMBER
D-9040

FILE NAME: L:\work\92000\92736\03-CAD\Mun\conn\92736-C12.dwg
LAYOUT NAME: 92736-C12
PLOTTED BY: michael-fechette
Jun 16, 2006 – 4:41pm
SHEET: CON-WWD-A1 (1/2002)