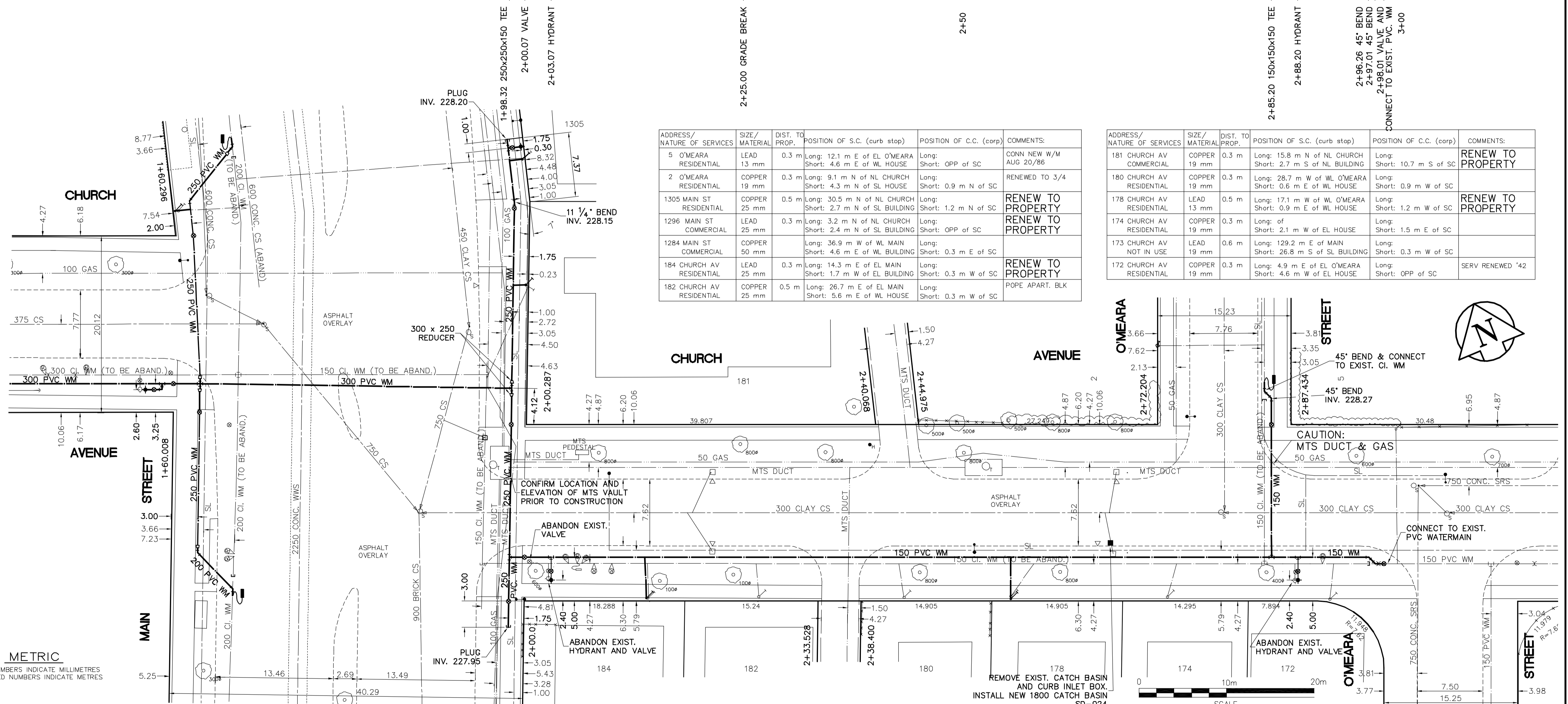
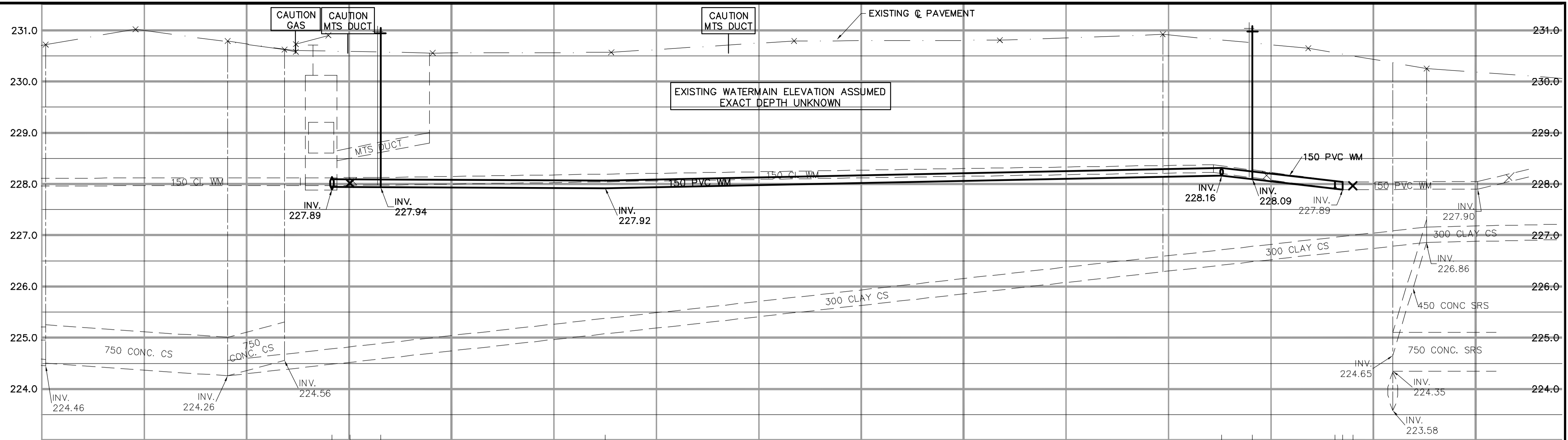


CONSTRUCTION NOTES

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 PREVIOUS WATERMAIN BREAKS SHOWN THUS (X) IS APPROXIMATE AND FOR INFORMATION ONLY. NO GUARANTEE IS GIVEN TO THE COMPLETENESS OR ACCURACY OF THIS INFORMATION.
9. LOCATION OF WATER SERVICES SHOWN ON DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE ALL WATER SERVICES PRIOR TO CONSTRUCTION.
10. ALL VALVES SHALL BE RED TOP (COUNTER CLOCKWISE TO CLOSE).
11. 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.
12. BACKFILL ALL EXCAVATIONS WITHIN STREET PAVEMENTS ON MAIN STREET WITH CLASS 1 BACKFILL.



ADDRESS/NATURE OF SERVICES	SIZE/MATERIAL	DIST. TO PROP.	POSITION OF S.C. (curb stop)	POSITION OF C.C. (corp)	COMMENTS:
5 O'MEARA RESIDENTIAL	LEAD 13 mm	0.3 m	Long: 12.1 m E of EL O'MEARA Short: 4.6 m E of WL HOUSE	Long: Short: OPP of SC	CONN NEW W/M AUG 20/86
2 O'MEARA RESIDENTIAL	COPPER 19 mm	0.3 m	Long: 9.1 m N of NL CHURCH Short: 4.3 m N of SL HOUSE	Long: Short: 0.9 m N of SC	RENEWED TO 3/4
1305 MAIN ST RESIDENTIAL	COPPER 25 mm	0.5 m	Long: 30.5 m N of NL CHURCH Short: 2.7 m N of SL BUILDING	Long: Short: 1.2 m N of SC	RENEW TO PROPERTY
1296 MAIN ST COMMERCIAL	LEAD 25 mm	0.3 m	Long: 3.2 m N of NL CHURCH Short: 2.4 m N of SL BUILDING	Long: Short: OPP of SC	RENEW TO PROPERTY
1284 MAIN ST COMMERCIAL	COPPER 50 mm		Long: 36.9 m W of WL MAIN Short: 4.6 m E of WL BUILDING	Long: Short: 0.3 m E of SC	RENEW TO PROPERTY
184 CHURCH AV RESIDENTIAL	LEAD 25 mm	0.3 m	Long: 14.3 m E of EL MAIN Short: 1.7 m W of EL BUILDING	Long: Short: 0.3 m W of SC	RENEW TO PROPERTY
182 CHURCH AV RESIDENTIAL	COPPER 25 mm	0.5 m	Long: 26.7 m E of EL MAIN Short: 5.6 m E of WL HOUSE	Long: Short: 0.3 m W of SC	POPE APART. BLK

ADDRESS/NATURE OF SERVICES	SIZE/MATERIAL	DIST. TO PROP.	POSITION OF S.C. (curb stop)	POSITION OF C.C. (corp)	COMMENTS:
181 CHURCH AV COMMERCIAL	COPPER 19 mm	0.3 m	Long: 15.8 m N of NL CHURCH Short: 2.7 m S of NL BUILDING	Long: Short: 10.7 m S of SC	RENEW TO PROPERTY
180 CHURCH AV RESIDENTIAL	COPPER 19 mm	0.3 m	Long: 28.7 m W of WL O'MEARA Short: 0.6 m E of WL HOUSE	Long: Short: 0.9 m W of SC	RENEW TO PROPERTY
178 CHURCH AV RESIDENTIAL	LEAD 13 mm	0.5 m	Long: 17.1 m W of WL O'MEARA Short: 0.9 m E of WL HOUSE	Long: Short: 1.2 m W of SC	RENEW TO PROPERTY
174 CHURCH AV RESIDENTIAL	COPPER 19 mm	0.3 m	Long: of Short: 2.1 m W of EL HOUSE	Long: Short: 1.5 m E of SC	RENEW TO PROPERTY
173 CHURCH AV NOT IN USE	LEAD 19 mm	0.6 m	Long: 129.2 m E of MAIN Short: 26.8 m S of SL BUILDING	Long: Short: 0.3 m W of SC	RENEW TO PROPERTY
172 CHURCH AV RESIDENTIAL	COPPER 19 mm	0.3 m	Long: 4.9 m E of EL O'MEARA Short: 4.6 m W of EL HOUSE	Long: Short: OPP of SC	SERV RENEWED '42

APEGM
Certificate of Authorization
Earth Tech Canada Inc.
No. 730 Expiry: April 30, 2004

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED
150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRANT	HYDRANT	HYDRANT
Valve symbol	VALVE	Valve symbol	CONCRETE	CONCRETE	CONCRETE
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	PROPERTY LINE	PROPERTY LINE	PROPERTY LINE
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	SURVEY BAR	SURVEY BAR	SURVEY BAR
Manhole symbol	MANHOLE	Manhole symbol	CURB STOP	CURB STOP	CURB STOP
Catch basin symbol	CATCH BASIN	Catch basin symbol	TREE	TREE	TREE
Curb inlet symbol	CURB INLET	Curb inlet symbol	ANODE	ANODE	ANODE
Junction symbol	JUNCTIONS	Junction symbol	CONCRETE SIDEWALK	CONCRETE SIDEWALK	CONCRETE SIDEWALK
Culvert symbol	CULVERT	Culvert symbol	FENCE	FENCE	FENCE
Gas symbol	GAS	Gas symbol			

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. 26-033
ELEV. 231.031
N.E. COR. MAIN ST. & MACHRAY AVE., TBLT. IN S. CONC. FOUNDATION OF No. 1335 MAIN ST., 0.3m W. & 0.1m BELOW BRICK OF S.E. COR. OF BLDG.

DESIGNED BY	GSK	CHECKED BY	GSK
DRAWN BY	GDL	APPROVED BY	
HOR. SCALE:	1:250	RELEASED FOR CONSTRUCTION BY:	K.R. ZUREK
VERTICAL SCALE:	1:50	DATE	APRIL 27, 2004
ISSUED FOR TENDER	2004/4/27	DATE	2004/03/01
NO. REVISIONS		DATE	

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

DESIGNED BY: GSK
CHECKED BY: GSK
DRAWN BY: GDL
APPROVED BY: [Signature]
HOR. SCALE: 1:250
VERTICAL SCALE: 1:50
RELEASED FOR CONSTRUCTION BY: K.R. ZUREK
DATE: APRIL 27, 2004

ENGINEER'S SEAL
ORIGINAL SIGNED BY
J. E. HUTCHISON
2004/04/27
CONSULTANT DRAWING NO.
76531-C11

THE CITY OF WINNIPEG
Winnipeg WATER AND WASTE DEPARTMENT

WATERMAIN RENEWALS
CONTRACT No. 5

CHURCH AVENUE
MAIN STREET TO
O'MEARA STREET

SHEET 11 OF 19
CITY DRAWING NUMBER
D-8536