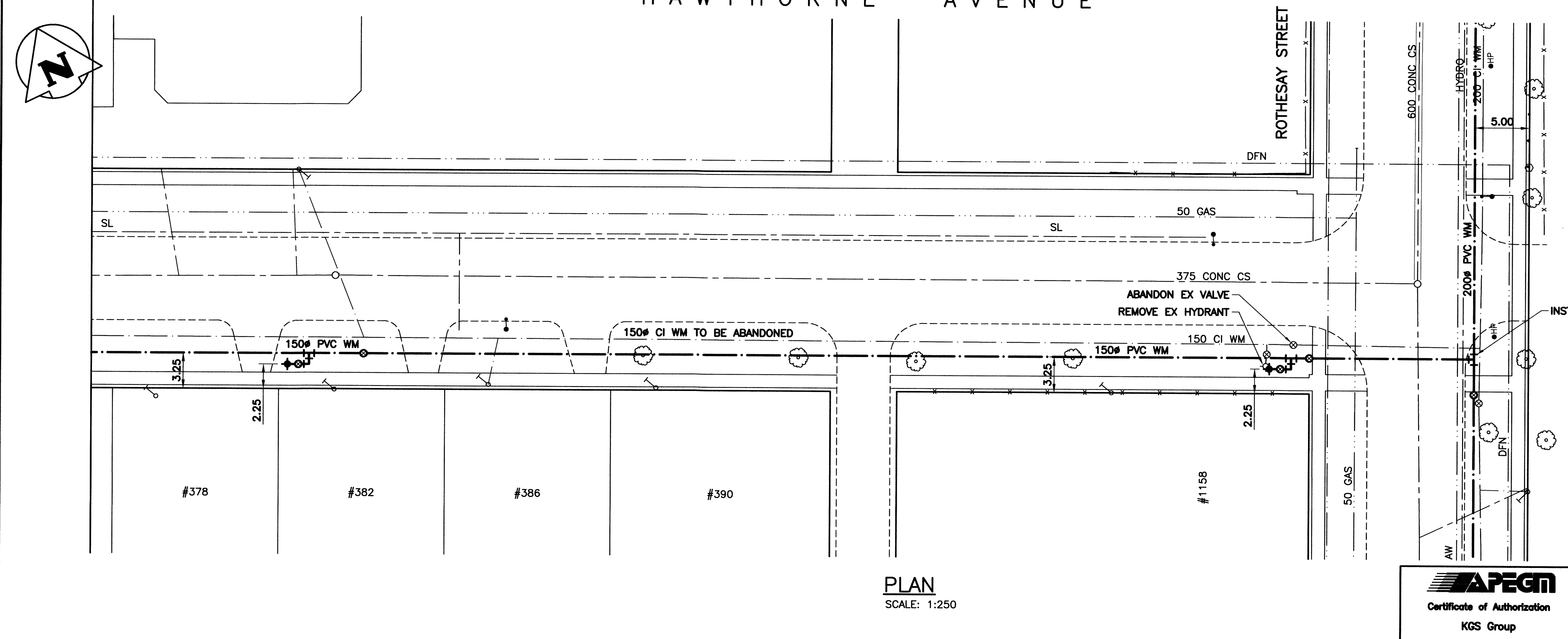
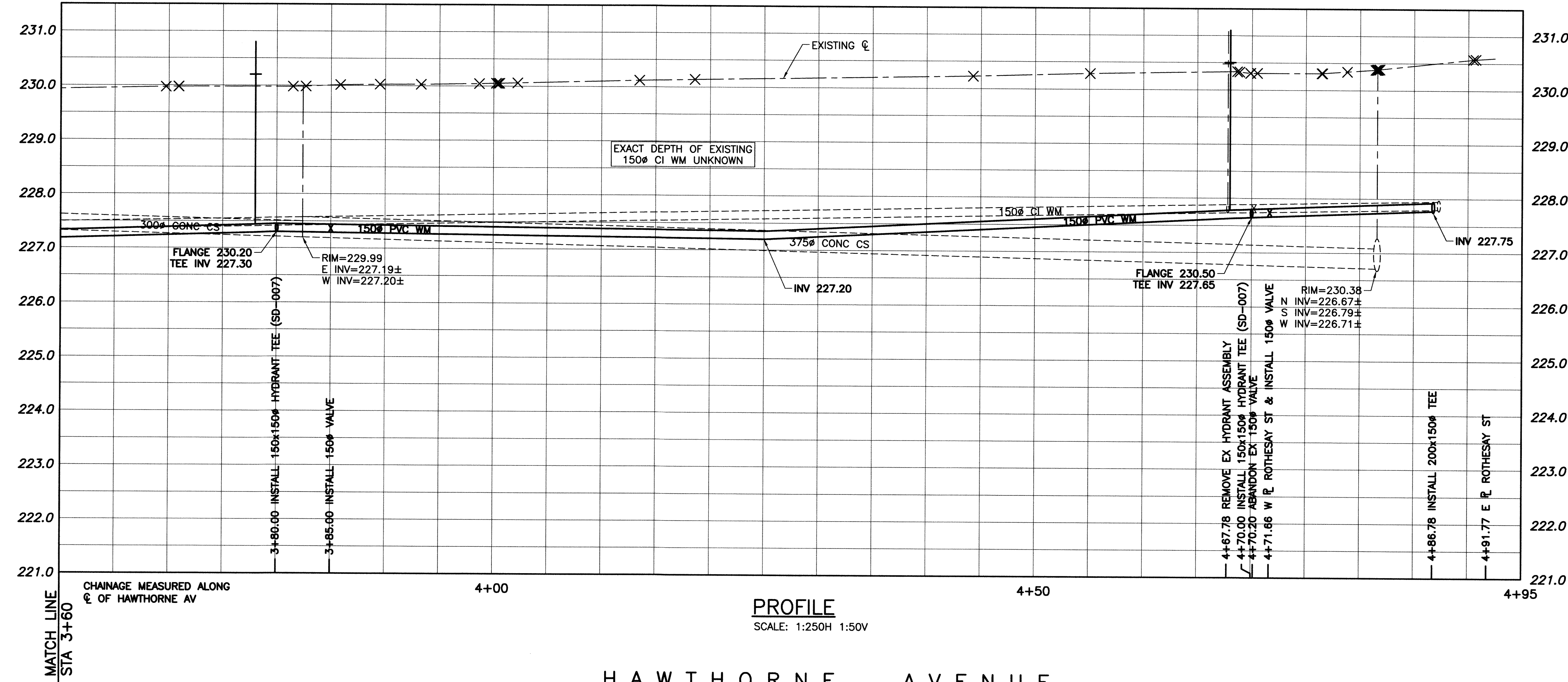


ADDRESS	SIZE & MATERIAL	CURB STOP MEASUREMENTS		CORP LOCATION
		SHORT	LONG	
378 HAWTHORNE AVE		4.40 EWHL		
382 HAWTHORNE AVE		4.57 EWHL		
386 HAWTHORNE AVE	20 CU	3.76 EWHL	4.57 EWLL	0.30 E OF CS
390 HAWTHORNE AVE		1.83 EWHL		



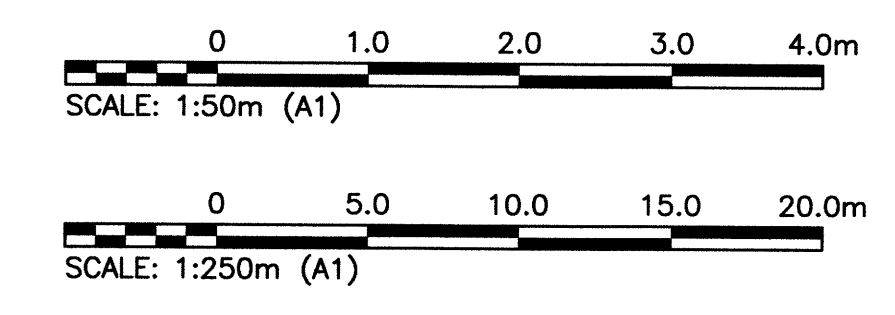
- CONSTRUCTION NOTES:**
- INSTALL WATER MAIN BY TRENCHLESS METHODS.
  - ALL MATERIALS TO CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
  - MINIMUM COVER TO TOP OF PROPOSED WATER MAIN IS 2.5m FROM STREET CENTERLINE.
  - INSTALL ALL HYDRANTS WITH FLANGE ELEVATION 50mm TO 150mm ABOVE FINISHED GRADE.
  - REPLACE ALL EXISTING LEAD SERVICES FROM THE PROPOSED WATER MAIN TO PROPERTY LINE.
  - BACKFILL UNDER OR WITHIN 1.0m OF PAVEMENTS, (INCLUDING SIDEWALKS) IS CLASS 3 BACKFILL EXCEPT AS NOTED. BACKFILL IN BOULEVARDS IS CLASS 5 BACKFILL.
  - WATER VALVES ARE CLOCKWISE TO CLOSE (BLACK OPERATING NUT).

- WARNING**
- NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
  - TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
  - SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

**PROPERTY LIMITS DELINEATION**

DELINEATION OF PROPERTY LIMITS AS SHOWN ON THIS DWG DOES NOT REPRESENT A "LEGAL SURVEY". KGS GROUP MAKES NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF PROPERTY LIMITS DELINEATED ON THIS DWG, NOR ON THE DIMENSIONAL ACCURACY OF DWG FEATURES RELATIVE TO THOSE PROPERTY LIMITS.

**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMAL NUMBERS INDICATE METRES



**APEGN**  
Certificate of Authorization  
KGS Group  
No. 245

150 WM	WATER MAIN	150 WM	HYDRANT	HYDRO	150 WM	WATER MAIN	150 WM
+	HYDRANT	+	+	M.T.S.	+	HYDRANT, VALVE	+
o	VALVE	o	o	CONCRETE	+	LAND DRAINAGE SEWER	+
o	LAND DRAINAGE SEWER	o	o	ASPHALT	+	WASTE WATER SEWER	+
o	WASTE WATER SEWER	o	o	SIDEWALK	+	CENTRELINE	+
o	MANHOLE	o	o	PLANNING	+	NORTH/WEST GUTTER	+
o	CATCH BASIN	o	o	PROPERTY LINE	+	SOUTH/EAST GUTTER	+
o	CURB INLET	o	o	SURVEY BAR	+	N/W, S/E P'S	+
o	BEND	o	o	GAS	+		+
o	REDUCER	o	o	CURB STOP	+		+
o	TEE	o	o	TEE	+		+
o	LEGEND-PLAN	o	o	LEGEND-PLAN	+	LEGEND-PROFILE	+
o	PROPOSED	o	o	PROPOSED	+	EXISTING	+
o	EXISTING	o	o	EXISTING	+	PROPOSED	+

**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. KGS BASE ELEV.	DWGS BASE ON C.S.R.S. NAD 83 SYSTEM UTM GRID.
0 ISSUED FOR CONSTRUCTION	16/04/27 <b>KSO</b>
NO. REVISIONS	DATE BY
	DATE 16/01/26

**KGS GROUP CONSULTING ENGINEERS**

DESIGNED BY MAT CHECKED BY RBO

DRAWN BY GEL APPROVED BY RBO

HOR. SCALE: 1:250  
VERTICAL: 1:50

RELEASED FOR CONSTRUCTION:  
DATE 16/01/26

ENGINEER'S SEAL  
PROVINCE OF MANITOBA  
**R.B. OFFMAN**  
Member 24701  
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.  
**16-0107-002\_C03**

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

PROJECT TITLE  
**2016 WATER MAIN RENEWALS CONTRACT 4**

**HAWTHORNE AVENUE  
ROCH STREET TO ROTHESAY STREET  
STA 3+60 TO ROTHESAY STREET**

SHEET OF  
**03 OF 14**

COMPUTER FILE NAME  
**16-0107-002\_CALL**

CITY DRAWING NUMBER  
**D-14332**

File Name: U:\FMS\16-0107-002\16-0107-002\_CALL.dwg - Tab: C03 Plotted By: gloewen 16/04/26 [Tue 10:25am]