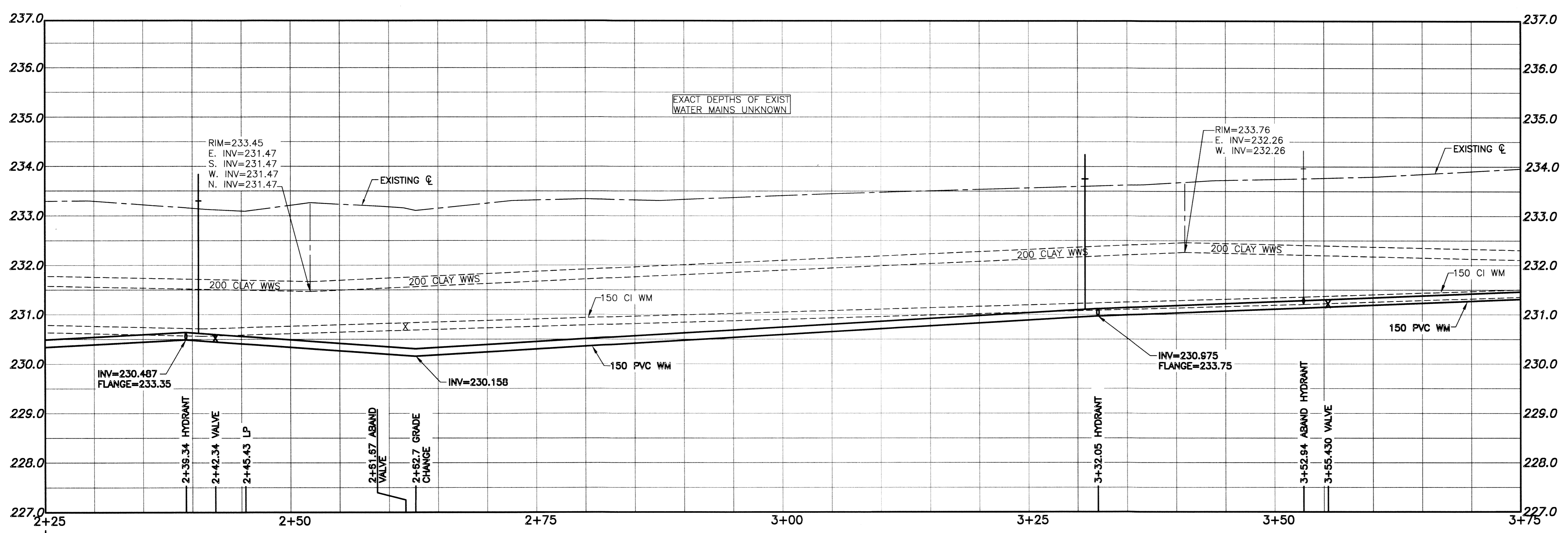


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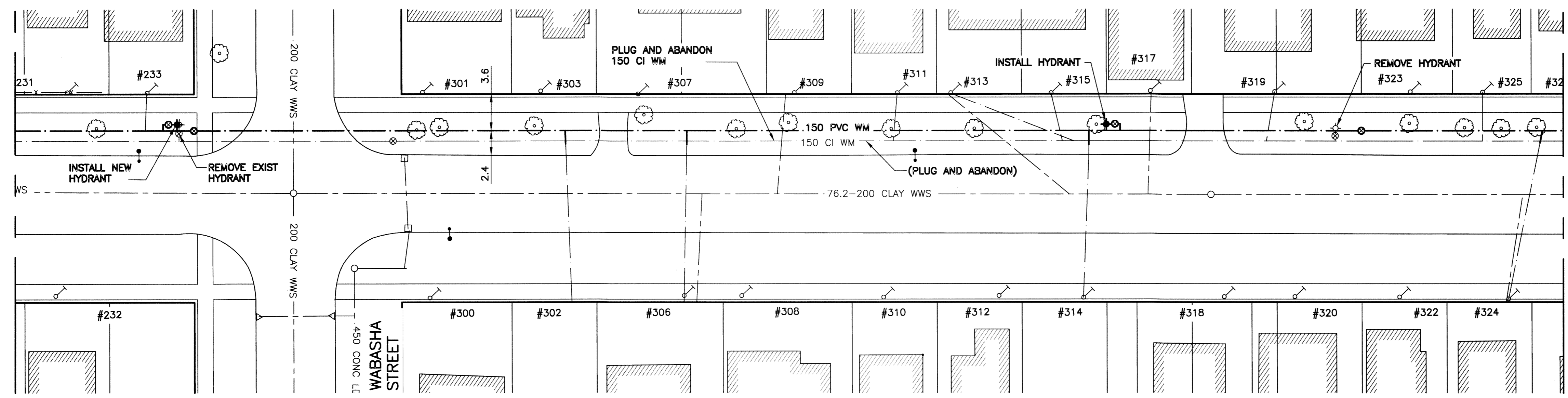
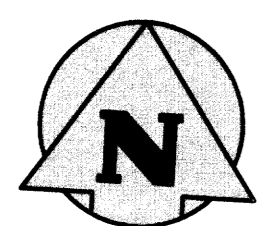
PLAN
SCALE: 1:250H 1:50V

WATER SERVICE INFORMATION				
ADDRESS	SIZE & MATERIAL	CURB STOP MEASUREMENTS		CORP LOCATION
		SHORT	LONG	
231 MELROSE AVE E		1.98 WEHL		
232 MELROSE AVE E		2.44 EWHL		
233 MELROSE AVE E		3.63 WEHL		
300 MELROSE AVE E		0.91 EWHL		
301 MELROSE AVE E		1.22 EWHL		
302 MELROSE AVE E	20 CU	3.35 EWHL	17.37 EEL WABASHA ST	0.61 W OF CS
303 MELROSE AVE E		1.52 EWHL		
306 MELROSE AVE E	20 CU	0.61 EWHL	27.74 EEL WABASHA ST	OPP CS
307 MELROSE AVE E	20 CU	0.91 EWHL		
308 MELROSE AVE E		3.81 WEHL		
310 MELROSE AVE E		1.37 WEHL		
311 MELROSE AVE E	20 CU	4.60 WEHL		OPP CS
312 MELROSE AVE E		1.52 WEHL		
313 MELROSE AVE E	20 CU	0.85 WEHL		
314 MELROSE AVE E	16 LEAD	0.50 WEHL	4.70 WELL	0.10 E OF CS
315 MELROSE AVE E	20 CU	2.92 WEHL		2.13 WEHL
317 MELROSE AVE E	20 CU	3.05 WEHL		
318 MELROSE AVE E		1.83 WEHL		
319 MELROSE AVE E	20 CU	2.13 WEHL		0.30 W OF CS
320 MELROSE AVE E		3.20 EWHL		
322 MELROSE AVE E		3.20 EWHL		
323 MELROSE AVE E	20 CU	1.83 WEHL		
324 MELROSE AVE E	20 CU	0.91 WEHL		17.37 E OF HYD
325 MELROSE AVE E	20 CU	2.29 EWHL		OPP CS

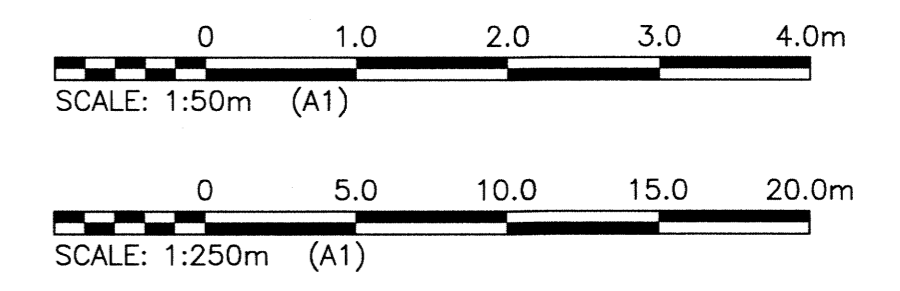
- CONSTRUCTION NOTES:**
- INSTALL WATER MAIN BY TRENCHLESS METHODS.
 - ALL MATERIALS TO CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
 - MINIMUM COVER TO TOP OF PROPOSED WATER MAIN IS 2.5m FROM STREET CENTERLINE.
 - INSTALL ALL HYDRANTS WITH FLANGE ELEVATION 50mm TO 150mm ABOVE 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).

MATCH LINE
STA 2+25

MATCH LINE
STA 3+75



PLAN
SCALE: 1:250



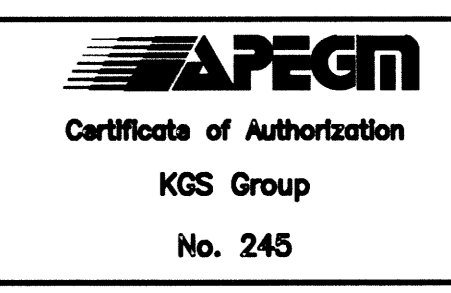
- WARNING**
- NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 - TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
 - SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

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
DECIMALIZED NUMBERS INDICATE METRES



EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED
150 WM	WATER MAIN	150 WM	HYDRO	HYDRO	150 WM	WATER MAIN	150 WM	WATER MAIN
Hydrant symbol	HYDRANT	Hydrant symbol	M.T.S.	M.T.S.	Hydrant symbol	HYDRANT, VALVE	Hydrant symbol	HYDRANT, VALVE
Valve symbol	VALVE	Valve symbol	CONCRETE	CONCRETE	Valve symbol	LAND DRAINAGE SEWER	Valve symbol	LAND DRAINAGE SEWER
300 LBS	LAND DRAINAGE SEWER	300 LBS	ASPHALT	ASPHALT	300 LBS	WASTE WATER SEWER	250 WWS	WASTE WATER SEWER
250 WWS	WASTE WATER SEWER	250 WWS	SIDEWALK	SIDEWALK	250 WWS	C PROFILE	250 WWS	C PROFILE
Manhole symbol	MANHOLE	Manhole symbol	PLANNING	PLANNING	Manhole symbol	NORTH/WEST GUTTER	Manhole symbol	NORTH/WEST GUTTER
Catch basin symbol	CATCH BASIN	Catch basin symbol	PROPERTY LINE	PROPERTY LINE	Catch basin symbol	SOUTH/EAST GUTTER	Catch basin symbol	SOUTH/EAST GUTTER
Curb inlet symbol	CURB INLET	Curb inlet symbol	SURVEY BAR	SURVEY BAR	Curb inlet symbol	N/W, S/E IP'S	Curb inlet symbol	N/W, S/E IP'S
Bend symbol	BEND	Bend symbol	GAS	GAS	Bend symbol	N/W, S/E TOP/CURB	Bend symbol	N/W, S/E TOP/CURB
Reducer symbol	REDUCER	Reducer symbol	CURB STOP	CURB STOP	Reducer symbol	TEE	Reducer symbol	TEE
Junction symbol	JUNCTION	Junction symbol	TEE	TEE	Junction symbol		Junction 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. KGS BASE ELEV. DWGS BASE ON C.S.R.S. NAD 83 SYSTEM UTM GRID.

KGS GROUP CONSULTING ENGINEERS

DESIGNED BY: MAT
DRAWN BY: DMW
HOR. SCALE: 1:250
VERTICAL: 1:50

CHECKED BY: [Signature]
APPROVED BY: [Signature]
RELEASED FOR CONSTRUCTION: [Signature]
DATE: 16/03/15

ENGINEER'S SEAL
PROVINCE OF MANITOBA
R.B. OFFMAN
Member Number 24704
REGISTERED PROFESSIONAL ENGINEER

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

PROJECT TITLE: 2016 WATER MAIN RENEWALS CONTRACT 3

Winnipeg

2016 WATER MAIN RENEWALS CONTRACT 3

MELROSE AVENUE
KANATA STREET TO ROANOKE STREET
STA 2+25 TO STA 3+75

SHEET 08 OF 11
COMPUTER FILE NAME: 15-0107-022_C08
CITY DRAWING NUMBER: D-14267

CONSULTANT DRAWING NO. 15-0107-022_C08