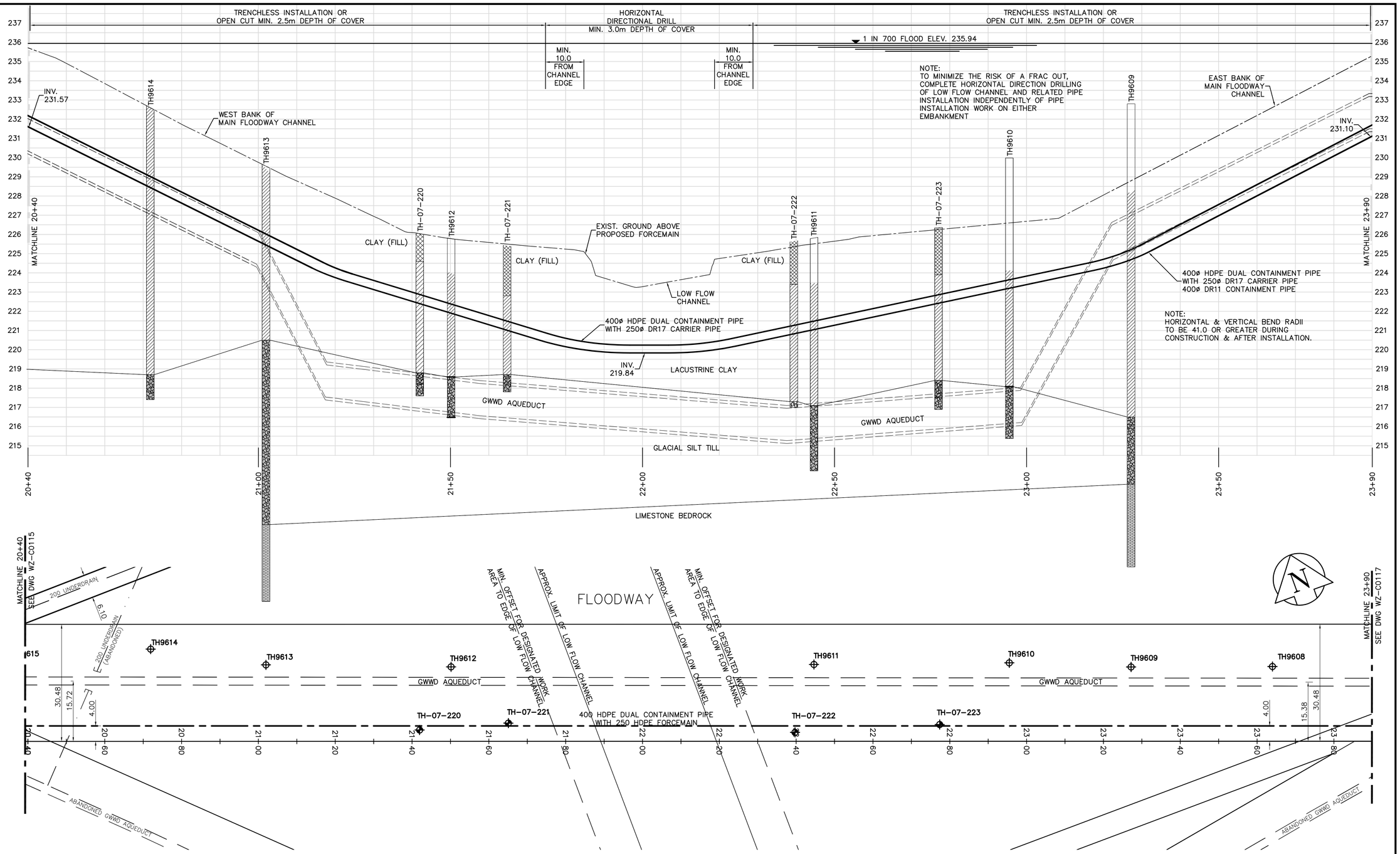

GENERAL NOTES:

1. BASE LINE IS SOUTH LIMIT OF RIGHT OF WAY.
2. EXPOSE ALL COMMUNICATION AND POWER DUCTS/LINES BY HYDROVAC EXCAVATION.
3. VERIFY EXISITNG PIPE INVERTS AND LOCATION PRIOR TO COMMENCEMENT OF WORKS.
4. EXPOSE AQUEDUCT AND CONFIRM ELEVATION BY VACUUM EXCAVATION PRIOR TO FORCEMAIN CONSTRUCTION. EXCAVATION SHALL BE MIN. 5m FROM EITHER SIDE OF AQUEDUCT AND SHORED TO PREVENT MOVEMENT OF GROUND UNDER AND AROUND AQUEDUCT.
5. CONFRIM PROPOSED FLOODWAY AND AQUEDUCT ELEVATIONS PRIOR TO COMMENCEMENT OF WORKS.
6. BACKFILL IN OPEN CUT TRENCHES SHALL BE CLASS 4 BACKFILL WITH CLASS B BEDDING. BACKFILL UNDER OR WITHIN 1.0m OF ROADWAY SHALL BE CLASS 2 BACKFILL WITH CLASS B BEDDING EXCEPT AS NOTED.

BENCHMARK NOTES:

DRAWING COORDINATES ARE UTM NAD83 – SCALE FACTOR 0.99983

B.M. No.	NORTHING	EASTING	ELEVATION
PILE 136	5523873.734	647764.406	236.242
PILE 133	5523256.606	647782.387	236.056

NOTE:

A. 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.

APEGM
Certificate of Authorization
Earth Tech Canada Inc.
No. 730

EXISTING	LEGEND – PLAN	PROPOSED	EXISTING	LEGEND – PLAN	PROPOSED	EXISTING	LEGEND – PLAN	PROPOSED
150 mm W.M.	WATERMAIN	150 mm W.M.		HYDRO			LIGHT STANDARD	
	HYDRANT			M.T.S.			ANCHOR	
	VALVE			CONCRETE		H	POLE	
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.		ASPHALT		391.0	CONTOURS	
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.		PROPERTY LINE			RAIL X-ING SIGNAL	
	MANHOLE			SURVEY BAR			℄ RAILWAY TRACK	
	CATCH BASIN		232.750	ELEVATION	32.750		DITCH	
	CURB INLET		500ø	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. ELEV.

NO.	REVISIONS	DATE	BY
00	ISSUED FOR TENDER	07/07/30	DA

UMA | AECOM

©2005 UMA ENGINEERING LTD. ALL RIGHTS RESERVED.

DESIGNED BY	KWF	CHECKED BY	DY
DRAWN BY	MAF	APPROVED BY	CCM
SCALE:	HORZ. 1:500 VERT. 1:100	RELEASED FOR CONSTRUCTION BY:	R. SOROKOWSKI
DATE	2005/12/09	DATE	2007/7/30

ENGINEER'S SEAL
PROVINCE OF MANITOBA
ORIGINAL SIGNED BY C.C. MACEY 30/07/2007
REGISTERED ENGINEER

CONSULTANT DRAWING NO.
WZ–C0116

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

WATER TREATMENT PLANT SUPPLY AND INSTALLATION OF FORCEMAIN

CIVIL
GWWD AQUEDUCT R.O.W.
STA. 20+40 TO STA. 23+90

CITY FILE NUMBER
SHEET 17 OF 23
CITY DRAWING NUMBER
1-0601Z-C-C0116-001-00D

Last Save: 2007–07–31 7:52 AM

L:\WORK\79000\79538\02A–CAD\MUN\CONTR\FORCEMAIN\DN_WZ–C0116_ET.DWG