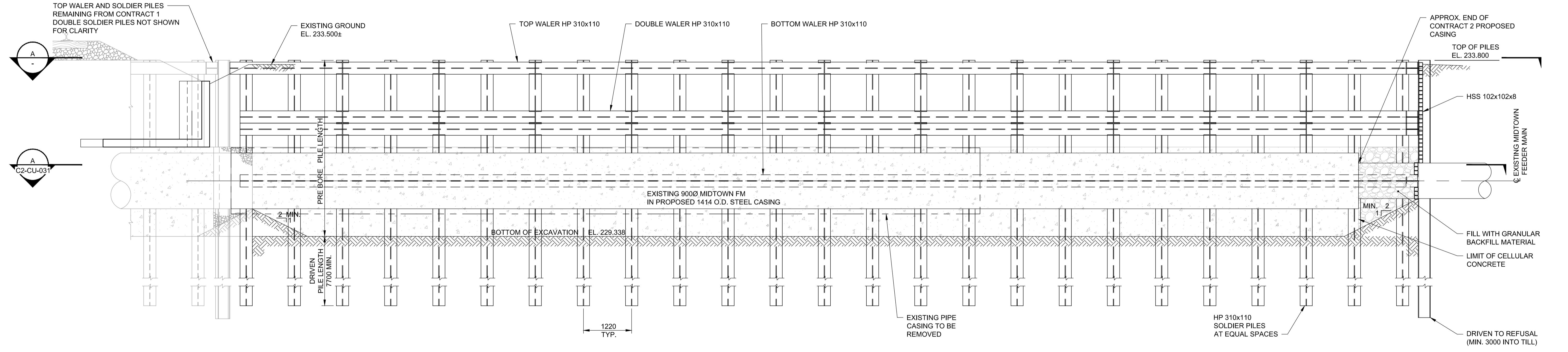


A | PLAN SECTION
SCALE 1:50



B | SECTION
SCALE 1:50

SEE SHEET 32 OF 41 FOR NOTES

NOTE:
PILE SIZE HP310x110
DBL HP310x110
PREBORE Ø 4600
7100

WARNING

- IF POWER EQUIPMENT ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
1. NOTIFY ALL UTILITY COMPANY'S OF THE PROPOSED LOCATION OF EXCAVATION.
 2. TAKE PRECAUTION TO AVOID DAMAGE TO UTILITY SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.
 3. OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.

APECN
Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date: _____
BID OPPORTUNITY NO. 473-2016

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

150 WM	WATER MAIN	150 WM	PIPE ABANDONMENTS	150 WM	WATER MAIN	150 WM	WATER MAIN
○	HYDRANT	⊕	SURVEY BAR	⊕	HYDRANT	⊕	HYDRANT
⊕	VALVE	⊕	CURB STOP	⊕	VALVE	⊕	VALVE
300 LDS	LAND DRAINAGE SEWER	300 LDS	REDUCER	300 LDS	LAND DRAINAGE SEWER	300 LDS	LAND DRAINAGE SEWER
250 WWS	WASTE WATER SEWER	250 WWS	COUPLING	250 WWS	WASTE WATER SEWER	250 WWS	WASTE WATER SEWER
---	SEWER SERVICE PIPE	SSP	ANODE	---	PAVEMENT CROWN	---	PAVEMENT CROWN
---	DRAINAGE CONNECTION PIPE	---	HYDRO	---	N/W PROPERTY LINE	---	N/W PROPERTY LINE
○	MANHOLE	○	MTS	○	S/E PROPERTY LINE	○	S/E PROPERTY LINE
□	CATCH BASIN	□	GAS	□	N/W GUTTER	□	N/W GUTTER
△	CURB INLET	△	TESTHOLE	△	S/E GUTTER	△	S/E GUTTER
▭	CULVERT	▭	LAMP STANDARD	▭	---	---	---
---	EXISTING	---	LEGEND - PLAN	---	LEGEND - PROFILE	---	LEGEND - PROFILE

UNDERGROUND STRUCTURES

SUPV.	U/G STRUCTURES	DATE

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.

AECOM

DESIGNED BY	DKD	CHECKED BY	FT/SBB
DRAWN BY	KC	APPROVED BY	SBB
HOR. SCALE	AS NOTED	RELEASED FOR CONSTRUCTION	
VERTICAL			
NO.	REVISIONS	DATE	BY
1	ISSUED FOR ADDENDUM 1	17/01/25	DKD
0	ISSUED FOR TENDER	17/01/09	DKD

ENGINEER'S SEAL
PROVINCE OF MANITOBA
D.K. DAS
Member 35493
REGISTERED PROFESSIONAL ENGINEER

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Waverley Street Underpass at CN Mile 3.89 Rivers Sub
Contract 2: Underpass Structure, Railworks, Roadworks, Land Drainage Sewer, Pumping Station and Landscaping Works

SHORING DETAILS FOR EXISTING MIDTOWN FEEDER MAIN - SHEET 1

CITY DRAWING NUMBER U239-2016-C2-CU-030
SHEET 30 OF 41
CONSULTANT DRAWING NUMBER C2-CU-030

PA:60321148\900-Work\910-CAD\20-SHEETS\60321148-SHT-30-0000-S-0030.dwg