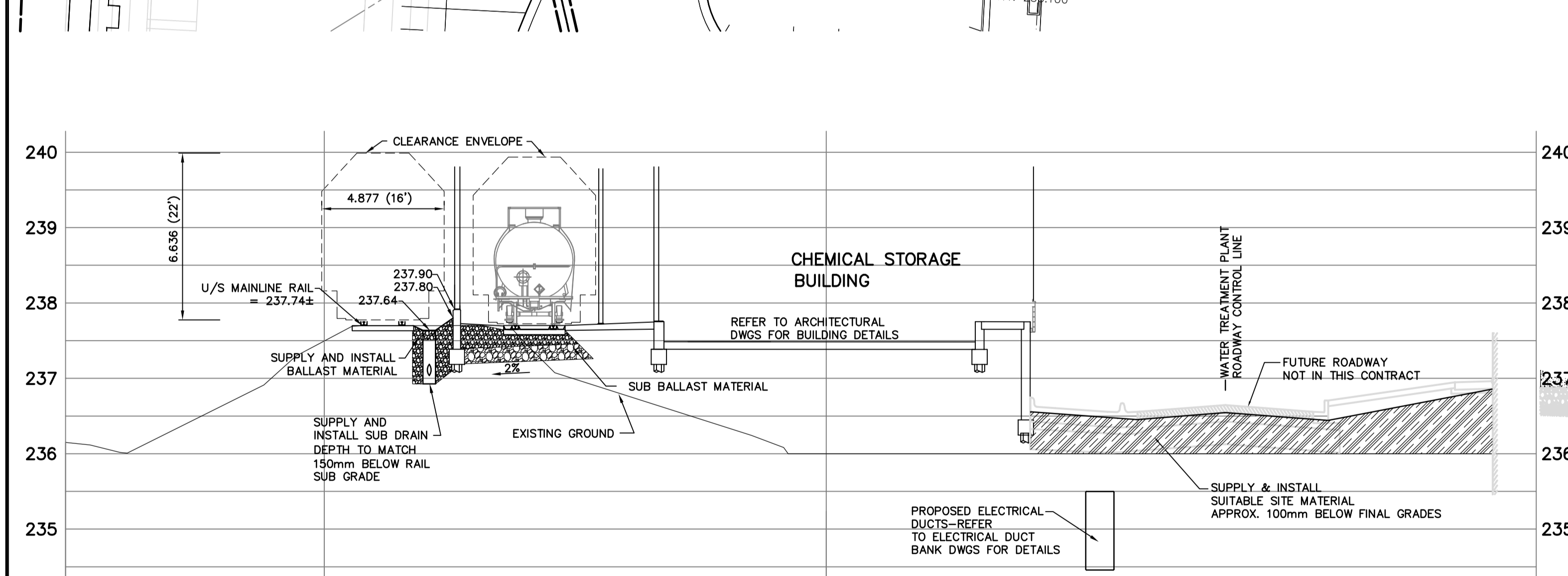
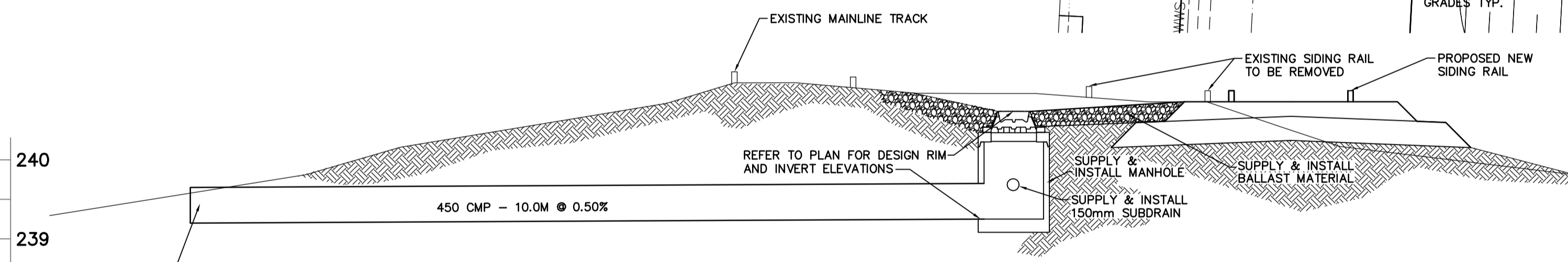


PLAN



1 SECTION
H-1:150 V=1:50

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



2 SECTION - TYPICAL MANHOLE/CULVERT INSTALLATION
NTS

CHEMICAL STORAGE BUILDING GRID LINE LAYOUT POINTS
DRAWING COORDINATES ARE UTM NAD83 - SCALE FACTOR 0.99983

GRID LINE	NORTHING	EASTING
S1 @ SA	5524108.476	647976.231
S1 @ SE	5524088.424	647964.985
S6 @ SA	5524084.311	648019.317
S6 @ SE	5524064.259	648008.072

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

SODIUM HYPOCHLORITE BUILDING GRID LINE LAYOUT POINTS
DRAWING COORDINATES ARE UTM NAD83 - SCALE FACTOR 0.99983

GRID LINE	NORTHING	EASTING
J1 @ JA	552421.067	647937.346
J1 @ JH	5524108.246	647930.155
J9 @ JA	5524103.530	647968.614
J9 @ JH	5524090.709	647961.423

NOTE: PILE No. 136 MAY BE REVISED PRIOR TO CONSTRUCTION. CONTRACT ADMINISTRATOR TO PROVIDE NEW ELEVATION AND COORDINATES.

REFERENCE NOTES:
A. ADD 200.00 TO DESIGN GRADES TO OBTAIN GEODETIC DATUM
B. ALL EXISTING UNDERGROUND UTILITIES SHALL BE CONFIRMED PRIOR TO CONSTRUCTION.
C. ALL SITE SURFACE WORKS SHALL BE IN ACCORDANCE WITH THE C.O.W. STANDARD CONSTRUCTION SPECIFICATIONS

INFORMATION ONLY

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRANT	HYDRO	LIGHT STANDARD
◇	HYDRANT	+	●	M.T.S.	ANCHOR
○	VALVE	○	○	CONCRETE	POLE
○	LAND DRAINAGE SEWER	○	○	ASPHALT	CONTOURS
○	WASTEWATER SEWER	○	○	PROPERTY LINE	RAIL X-ING SIGNAL
○	MANHOLE	○	○	SURVEY BAR	RAILWAY TRACK
○	CATCH BASIN	○	○	ELEVATION	DITCH
○	CURB INLET	○	○	TREE	
○	JUNCTIONS	○	○	ANODE	
○	CULVERT	○	○	CONCRETE SIDEWALK	
○	GAS	○	○	FENCE	
EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED

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

B.M. ELEV.			
02	ISSUED FOR CONSTRUCTION 07/05/25 PAAP		
01	792-2006 ADDENDUM 3 2007/03/29 DW		
00	ISSUED FOR TENDER 2007/01/31 BC		
NO.	REVISIONS	DATE	BY

CH2M HILL	EarthTech
Frederickson Cooper ARCHITECTS	A Terra International Ltd. Company
DESIGNED BY BC	CHECKED BY JC
DRAWN BY BC	APPROVED BY AHL
SCALE: 1:250	RELEASED FOR CONSTRUCTION BY: R. SOROKOWSKI
DATE 2007/01/31	DATE 2007/01/31

ENGINEER'S SEAL
ORIGINAL SIGNED BY
J.N. CRANG
07/11/09
CONSULTANT DRAWING NO.
WS-C0001

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

WATER TREATMENT PLANT
BULK CHEMICAL BUILDING
SODIUM HYPOCHLORITE AND CHEMICAL STORAGE BUILDINGS

CIVIL
GRADING PLAN AND DETAILS

CITY FILE NUMBER
SHEET OF
CITY DRAWING NUMBER
1-060IS-A-C0001-02D