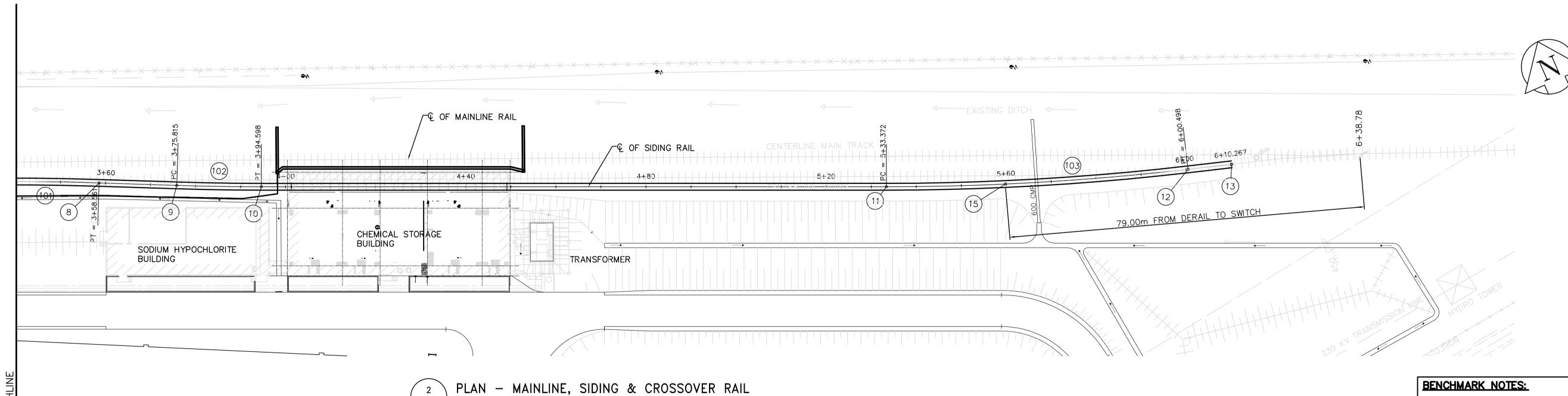


UTM COORDINATE CROSS-OVER RAIL LAYOUT									
POINT I.D.	DESCRIPTION	NORTHING	EASTING						
1	POINT OF SWITCH	5524182.766	647847.280						
2	POINT OF INT.	5524178.397	647855.183						
3	POINT OF INT.	5524155.903	647886.952						
4	POINT OF SWITCH	5524151.533	647894.855						

UTM COORDINATE SIDING RAIL LAYOUT									
POINT I.D.	DESCRIPTION	NORTHING	EASTING						
5	CENTRE RAIL	5524252.443	647712.554						
6	CENTRE RAIL	5524244.283	647727.115						
7	CENTRE RAIL	5524138.031	647919.273						
8	CENTRE RAIL	5524126.874	647938.569						
9	CENTRE RAIL	5524117.953	647953.338						
10	CENTRE RAIL	5524108.503	647969.569						
11	CENTRE RAIL	5524040.620	648090.608						
12	CENTRE RAIL	5524011.229	648150.916						
13	CENTRE RAIL	5524007.463	648159.930						
14	POINT OF DERAIL	5524237.497	647739.388						
15	POINT OF DERAIL	5524028.230	648113.925						

CIRCULAR CURVE DATA											
Curve No.	100	101	102	103							
R	360.279	582.198	582.198	582.198							
Δ	2*39'17"	2°11'37"	1 ° 50'55"	6 ° 36'22"							
Т	8.349	11.147	9.392	33.600							
E	0.097	0.107	0.076	0.969							
Lc	16.692	22.290	18.783	67.126							
Dc	4 ° 50'	3*00'	3 ° 00'	3*00'							



BENCHMARK NOTES:

REFERENCE NOTES:

DRAWING COORDINATES ARE UTM NAD83 - SCALE FACTOR 0.99983 NORTHING EASTING ELEVATION

PILE 136 5523873.734 647764.406 236.242 PILE 133 5523256.606 647782.387 236.056

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

INFORMATION ONLY

A. ADD 200.00 TO DESIGN GRADES 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. CONSTRUCTION SPECIFICATIONS

150 <u>mm_W.M.</u>	WATERMAIN	150 <u>mm_W.M.</u>		HYDRO		•	LIGHT STANDARD			В.М.		a -	H2M HILL			ENGINEER'S SEAL
	HYDRANT	+		M.T.S.		\leftarrow	ANCHOR			ELEV.			HZMIHILL	95		
⊗	VALVE	8		CONCRETE	•••••	• _H	POLE			_		Englania	1		rthTech	
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.		ASPHALT		391.0	CONTOURS						kson Cooper	A Tyc	co International Ltd. Company	ORIGINAL SIGNED BY
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.		PROPERTY LINE		•	RAIL X-ING SIGNAL									
0	MANHOLE	•	+	SURVEY BAR		+++++++++	© RAILWAY TRACK		Certificate of Authorization			DESIGNED BY	BSK	CHECKED	JC	
	CATCH BASIN		232.750	ELEVATION	32.750	<	DITCH	←	Earth Tech Canada Inc.							2007/11/09
∇	CURB INLET	▼	€)}500ø	TREE					Laith 166h Ganada me.			DRAWN BY	BSK	APPROVED BY	AHL	, ,
	JUNCTIONS			ANODE					No. 730	02 ISSUED FOR CONSTRUCTION	N 07-05-25 PAAP	00415	1: 500	RELEASED FO		-
	CULVERT			CONCRETE SIDEWALK						01 792-2006 ADDENDUM 3	07-03-26 JC	SCALE:	1:500	CONSTRUCTIO	ON BY:	CONCULTANT DRAWING NO
	GAS		××	FENCE						00 ISSUED FOR TENDER	07-01-31 JC		R. SOROKOWSKI		CONSULTANT DRAWING NO.	
EXISTING	LEGEND — PLAN	PROPOSED	EXISTING	LEGEND — PLAN	PROPOSED	EXISTING	LEGEND — PLAN	PROPOSED		NO. REVISIONS	DATE BY	DATE 2	2007/01/31	DATE 2007	7/01/31	WS-C0002

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT Winnipèg ENGINEERING DIVISION

CITY FILE NUMBER WATER TREATMENT PLANT BULK CHEMICAL BUILDING SODIUM HYPOCHLORITE AND CHEMICAL STORAGE BUILDINGS

RAILWAY CONSTRUCTION HORIZONTAL GEOMETRY

SHEET OF CITY DRAWING NUMBER 1-0601S-A-C0002-001-02D