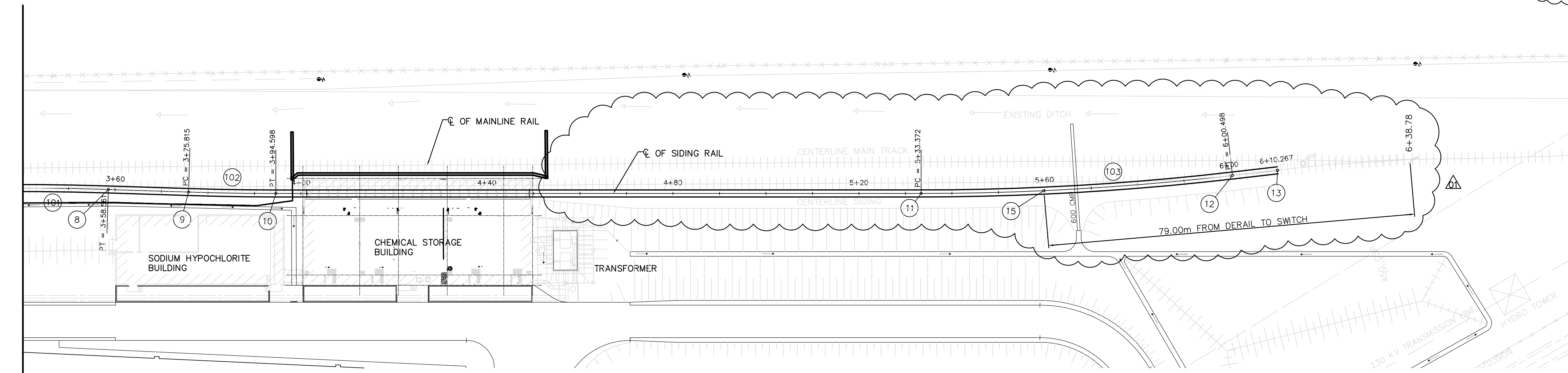


1 PLAN - MAINLINE, SIDING & CROSSOVER RAIL

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"
T	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'



2 PLAN - MAINLINE, SIDING & CROSSOVER RAIL

BENCHMARK NOTES:			
B.M. No.	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.

- REFERENCE NOTES:
- 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 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	LIGHT STANDARD
Hydrant	HYDRANT	M.T.S.	M.T.S.	ANCHOR
Valve	VALVE	CONCRETE	CONCRETE	POLE
300mm L.D.S.	LAND DRAINAGE SEWER	ASPHALT	ASPHALT	CONTOURS
250mm W.W.S.	WASTEWATER SEWER	PROPERTY LINE	PROPERTY LINE	RAIL X-ING SIGNAL
Manhole	MANHOLE	SURVEY BAR	SURVEY BAR	© RAILWAY TRACK
Catch Basin	CATCH BASIN	ELEVATION	ELEVATION	DITCH
Curb Inlet	CURB INLET	TREE	TREE	
Junctions	JUNCTIONS	ANODE	ANODE	
Culvert	CULVERT	CONCRETE SIDEWALK	CONCRETE SIDEWALK	
Gas	GAS	FENCE	FENCE	
EXISTING	LEGEND - PLAN	PROPOSED	LEGEND - PLAN	PROPOSED

**APEGM**  
 Certificate of Authorization  
 Earth Tech Canada Inc.  
 No. 730 Expiry: April 30, 2007

B.M. ELEV.	
792-2006 ADDENDUM 3	07-03-26 JC
ISSUED FOR TENDER	07-01-31 JC
NO. REVISIONS	DATE BY

**CH2M HILL**  
 Frederickson Cooper ARCHITECTS

**EarthTech**  
 A Five International Ltd. Company

DESIGNED BY	BSK	CHECKED BY	JC
DRAWN BY	BSK	APPROVED BY	AHL
SCALE:	1:500	RELEASED FOR CONSTRUCTION BY:	R. SOROKOWSKI
DATE	2007/01/31	DATE	2007/01/31

ENGINEER'S SEAL  
 PROVINCE OF MANITOBA  
 ORIGINAL SIGNATURE  
**J.N. CRANG**  
 2007/01/31  
 REGISTERED PROFESSIONAL ENGINEER

**THE CITY OF WINNIPEG**  
 WATER AND WASTE DEPARTMENT  
 ENGINEERING DIVISION

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

CIVIL  
 RAILWAY CONSTRUCTION  
 HORIZONTAL GEOMETRY

CITY FILE NUMBER  
 SHEET OF  
 CITY DRAWING NUMBER  
 1-06015-A-C0002-001-01D