

A1 SIZE 23.4" x 33.1" (594mm x 841mm)

PLOT: 05/04/07 8:09:56 PM

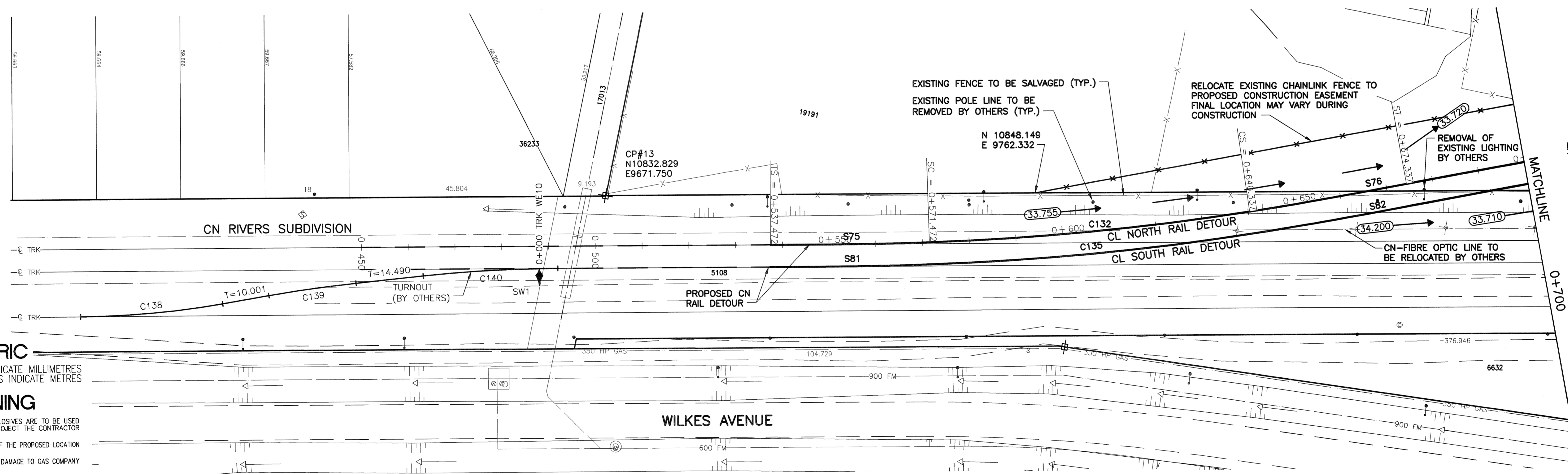
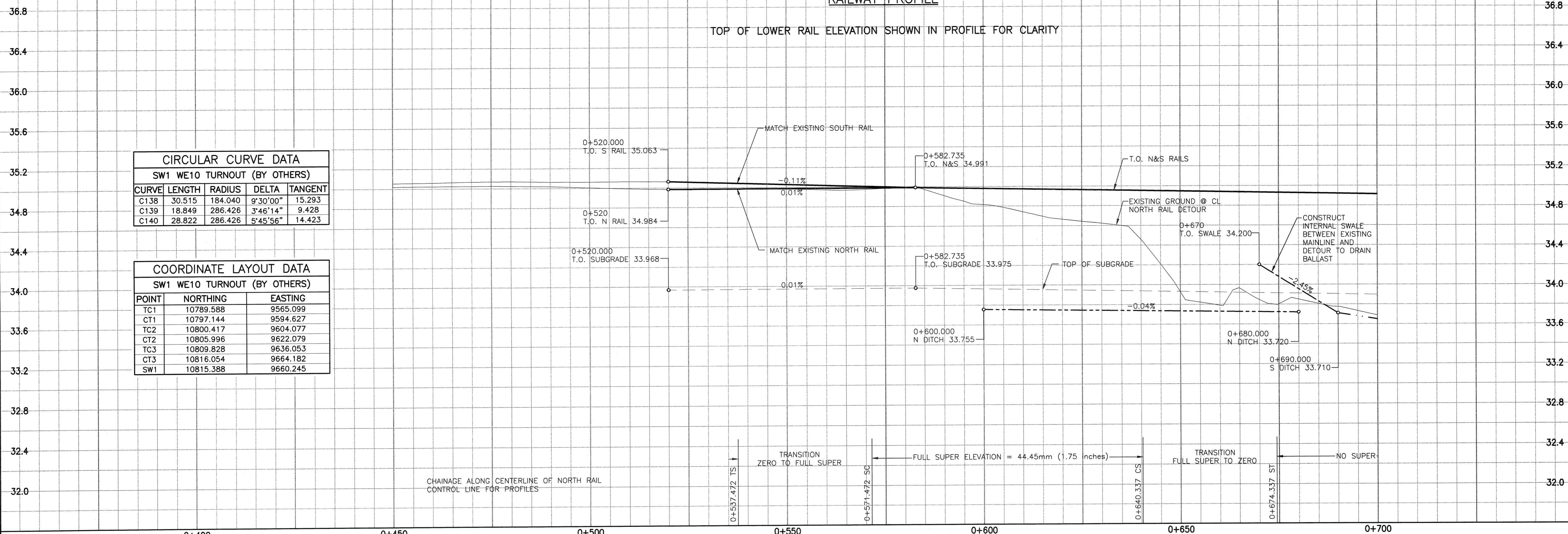
UMA FILE NAME: 423-040-03\_01-CT-03A\_PX.dwg Saved By: ddespood

### RAILWAY PROFILE

TOP OF LOWER RAIL ELEVATION SHOWN IN PROFILE FOR CLARITY

CIRCULAR CURVE DATA				
SW1 WE10 TURNOUT (BY OTHERS)				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C138	30.515	184.040	9°30'00"	15.293
C139	18.849	286.426	3°46'14"	9.428
C140	28.822	286.426	5°45'56"	14.423

COORDINATE LAYOUT DATA		
SW1 WE10 TURNOUT (BY OTHERS)		
POINT	NORTHING	EASTING
TC1	10789.588	9565.099
CT1	10797.144	9594.627
TC2	10800.417	9604.077
CT2	10805.996	9622.079
TC3	10809.828	9636.053
CT3	10816.054	9664.182
SW1	10815.388	9660.245



NOTE:  
1. SEE SHEET 40 FOR RAIL DETOUR HORIZONTAL GEOMETRY.

BID OPPORTUNITY  
No. 84-2005



**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**WARNING**  
IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:  
1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.  
2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.  
SEE PROVINCIAL REGULATION 140/92 FOR DETAILS

<table border="1"> <tr> <td>—</td><td>GAS</td><td>○</td><td>MANHOLE</td><td>●</td><td>CONCRETE PAVEMENT</td> </tr> <tr> <td>—</td><td>MTS</td><td>□</td><td>CATCH BASIN/CATCH PIT</td><td>■</td><td>CONC. SIDEWALK/MEDIAN</td> </tr> <tr> <td>—</td><td>HYDRO</td><td>△</td><td>C &amp; G INLET WITH BOX</td><td>▲</td><td>ASPHALT PAVEMENT</td> </tr> <tr> <td>—</td><td>CATV</td><td>△</td><td>TREE</td><td>▲</td><td>ASPHALT APPROACH</td> </tr> <tr> <td>—</td><td>TRAFFIC SIGNALS</td><td>TH10</td><td>TEST HOLE</td><td>—</td><td>ASPHALT SHOULDER</td> </tr> <tr> <td>—</td><td>LAND DRAINAGE SEWER</td><td>—</td><td>PROPERTY LINE</td><td>—</td><td>GRAVEL SHOULDER</td> </tr> <tr> <td>—</td><td>SANITARY/COMBINED SEWER</td><td>—</td><td>SURVEY BAR</td><td>—</td><td>RAMP CURB</td> </tr> <tr> <td>—</td><td>CATCHBASIN LEAD</td><td>—</td><td>GEODETIC MONUMENT</td><td>—</td><td>REMOVAL</td> </tr> <tr> <td>—</td><td>WATERMAIN</td><td>—</td><td>FENCE</td><td>+</td><td>SIGN</td> </tr> <tr> <td>—</td><td>SUBDRAIN</td><td>—</td><td>B.O. CURB/E.O. PAVEMENT</td><td>•</td><td>POLE</td> </tr> <tr> <td>—</td><td>DITCH/SWALE</td><td>←</td><td>ELEVATION</td><td>33.000</td><td>RAIL SIGNALS/SIGNS</td> </tr> <tr> <td>—</td><td>EXISTING</td><td>—</td><td>LEGEND — PLAN</td><td>NEW</td><td>EXISTING</td> </tr> <tr> <td>—</td><td>NEW</td><td>—</td><td>LEGEND — PLAN</td><td>NEW</td><td>EXISTING</td> </tr> </table>		—	GAS	○	MANHOLE	●	CONCRETE PAVEMENT	—	MTS	□	CATCH BASIN/CATCH PIT	■	CONC. SIDEWALK/MEDIAN	—	HYDRO	△	C & G INLET WITH BOX	▲	ASPHALT PAVEMENT	—	CATV	△	TREE	▲	ASPHALT APPROACH	—	TRAFFIC SIGNALS	TH10	TEST HOLE	—	ASPHALT SHOULDER	—	LAND DRAINAGE SEWER	—	PROPERTY LINE	—	GRAVEL SHOULDER	—	SANITARY/COMBINED SEWER	—	SURVEY BAR	—	RAMP CURB	—	CATCHBASIN LEAD	—	GEODETIC MONUMENT	—	REMOVAL	—	WATERMAIN	—	FENCE	+	SIGN	—	SUBDRAIN	—	B.O. CURB/E.O. PAVEMENT	•	POLE	—	DITCH/SWALE	←	ELEVATION	33.000	RAIL SIGNALS/SIGNS	—	EXISTING	—	LEGEND — PLAN	NEW	EXISTING	—	NEW	—	LEGEND — PLAN	NEW	EXISTING	<p><b>LOCATION APPROVED UNDERGROUND STRUCTURES</b></p> <p>SUPV. U/G STRUCTURES DATE COMMITTEE</p> <p>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.</p>		<p>B.M. 6B467-002 ELEV. 233.951</p>		<p><b>UMA</b> An AECOM Company 2005 UMA ENGINEERING LTD. ALL RIGHTS RESERVED.</p> <p>DESIGNED BY: RPB CHECKED BY: JJK DRAWN BY: DID, DL APPROVED BY: [Signature] HOR. SCALE: 1:500 VERTICAL: 1:20 DATE: 05/04/19</p>		<p>ENGINEER'S SEAL PROVINCE OF MANITOBA REGISTERED PROFESSIONAL ENGINEER R. P. BRUCE</p>		<p><b>THE CITY OF WINNIPEG</b> PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION</p> <p><b>Winnipeg</b></p>		<p><b>KENASTON UNDERPASS PROJECT</b> CN RIVERS SUBDIVISION RAIL DETOUR</p> <p>HORIZONTAL AND VERTICAL ALIGNMENT STA. 0+450 TO STA. 0+700</p>		<p>SHEET 38 OF 61 CAD FILE DRAWING NUMBER 01-CT1034_RX CITY DRAWING NUMBER P-3258-98</p>	
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