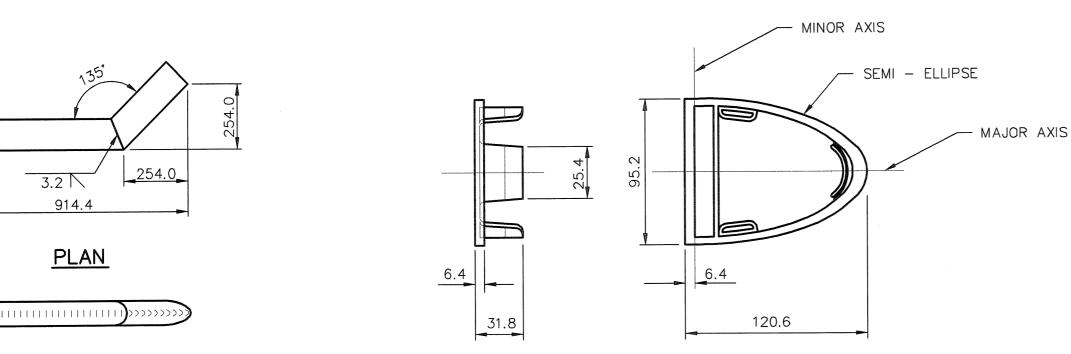


RAIL CLAMP BAR

1: 2.5



FRONT ELEVATION

TERMINAL END

(FABRICATED FROM BARRIER RAIL) 1:15

13 - 13 x 25mm LONG STAINLESS -STEEL HEX HEAD CAP SCREW WITH

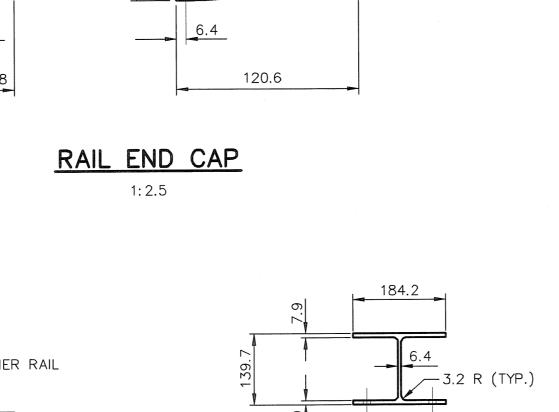
> BOULEVARD GRADE -(OR AS INDICATED ON DRAWINGS)

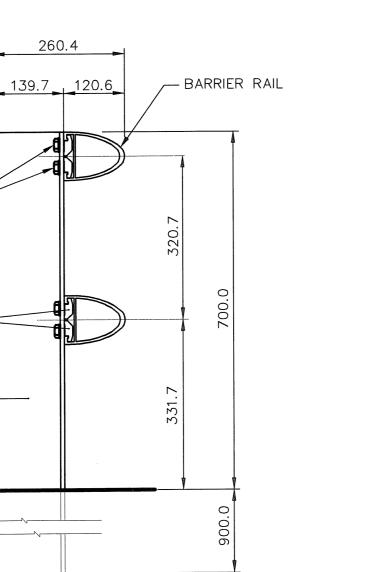
RAIL CLAMP BAR ---

POST -

27mm O.D. x 14mm I.D. x 2mm

THICK STAINLESS STEEL WASHER







14.3 x 20.6 SLOT (TYP.)

1.600m POST (0.800m POST SIMILAR EXCEPT WITH ONLY FOUR SLOTS AT TOP OF POST) 1: 7.5

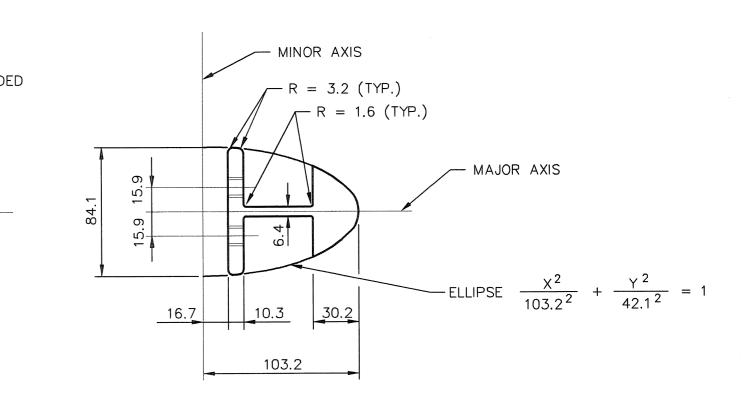
- 13 - 13 THREADED HOLES (TYP.) 457.2

BARRIER RAIL

1: 2.5

RAIL SECTION

— 14.3 x 25.4 SLOT IN BARRIER RAIL (TYP.)



12.7

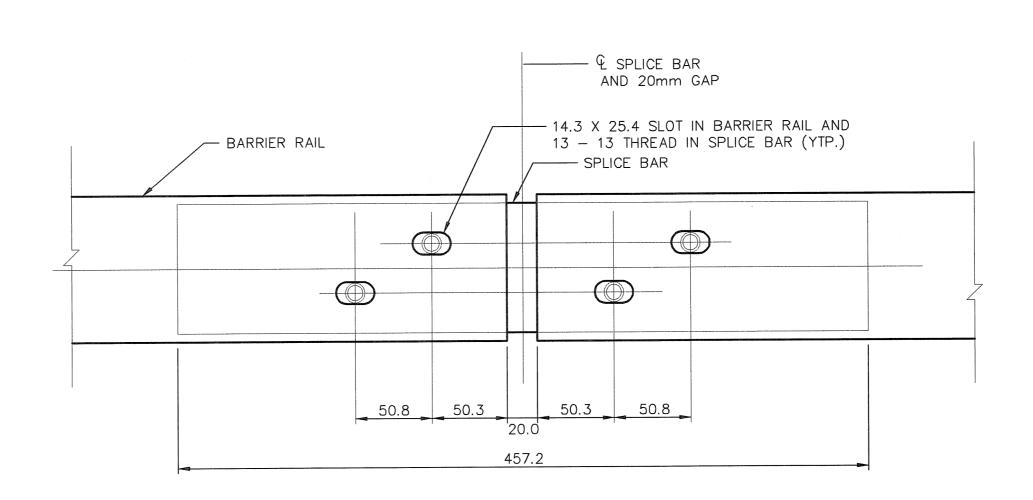
120.6

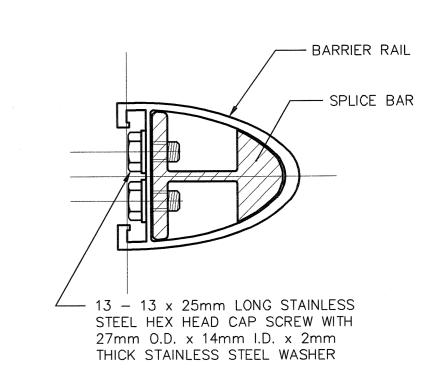
- OUTER ELLIPSE EQUATION: $\frac{\chi^2}{114.2^2} + \frac{\gamma^2}{47.6^2} = 1$

EQUATION: $\frac{\chi^2}{104.7^2} + \frac{\chi^2}{42.8^2} = 1$

SPLICE BAR

1: 2.5





SPLICE BAR TO RAIL ASSEMBLY DETAIL

1: 2.5

METRIC

ALL DIMENSIONS SHOWN IN MILLIMETRES UNLESS OTHERWISE NOTED

WARNING

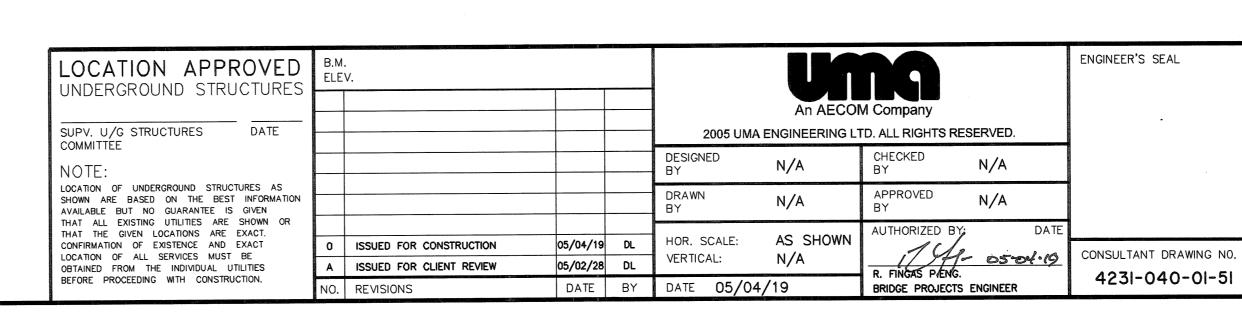
IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

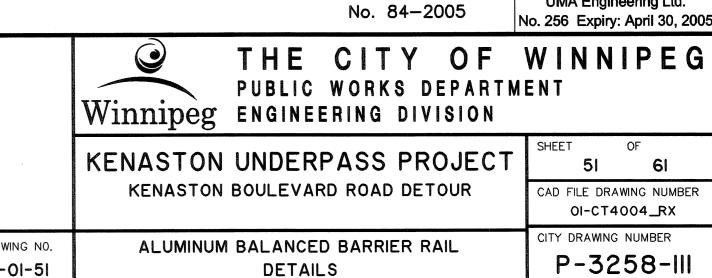
1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.

SEE PROVINCIAL REGULATION 140/92 FOR DETAILS

MATERIAL SPECIFICATION

- 1. ALUMINUM RAILS, POSTS, SPLICE BARS, AND RAIL END CAPS SHALL CONFORM
- TO ASTM B221, ALLOY 6061 T6, OR ALLOY 6351 T6. STAINLESS STEEL WASHERS SHALL CONFORM TO ASTM A296.
- CAP SCREWS SHALL CONFORM TO ASTM A276, TYPE 430 STAINLESS STEEL.
- 4. ANTI-SEIZE COATING TO BE APPLIED TO ALL THREADED COMPONENTS WHEN BEING ASSEMBLED. 5. TWO COATS, EACH 1mm IN THICKNESS OF ALKALI-RESISTANT BITUMINOUS PAINT SHALL BE APPLIED ON THE SURFACES OF POSTS AND RAILS THAT ARE
- TO BE IN CONTACT WITH THE GROUND. 6. BACKFILL MATERIAL TO BE GRANULAR BASE IN ACCORDANCE WITH CITY STD. CW3650-R4 AND CW3110-R5.





BID OPPORTUNITY

PAPEGIN

Certificate of Authorization

UMA Engineering Ltd.