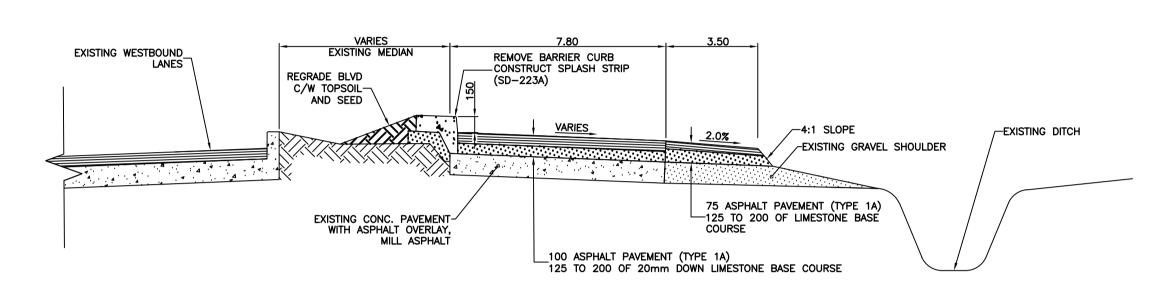
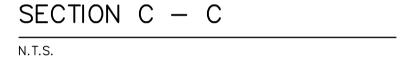
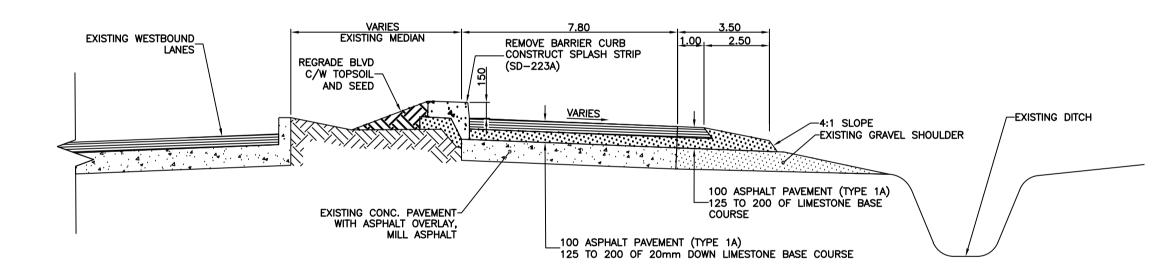


SECTION B - B

N.T.S.





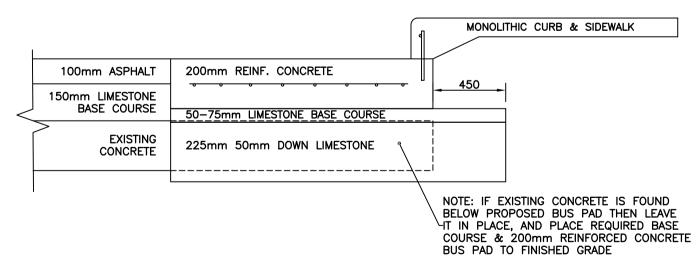


SECTION D - D

N.T.S.

**EXISTING** 

LEGEND - PLAN



PAVED SHOULDER (TYP)

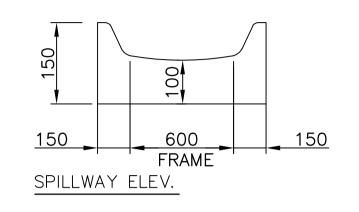
LEGEND - PLAN

PROPOSED EXISTING

BUS PAD DETAIL

PROPOSED | EXISTING |

EXISTING GROUND SLOPE **VARIES** SPILLWAY CHANNEL **ASPHALT** 100mm **EXISTING** CONCRETE 50mm OF 20mm DOWN LIMESTONE BASE COURSE

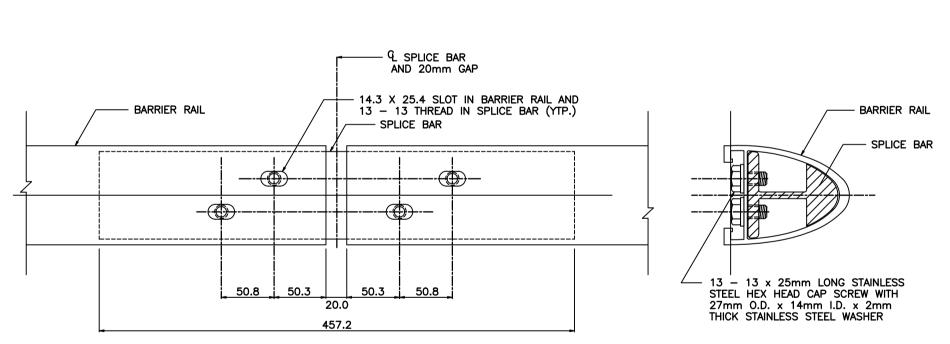


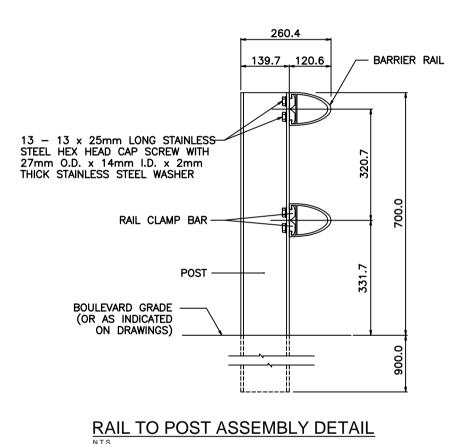
### SPILLWAY CHANNEL DETAIL

REFER TO E10. INSTALL CURB INLET FRAME WITH CONCRETE SPILLWAY N.T.S.

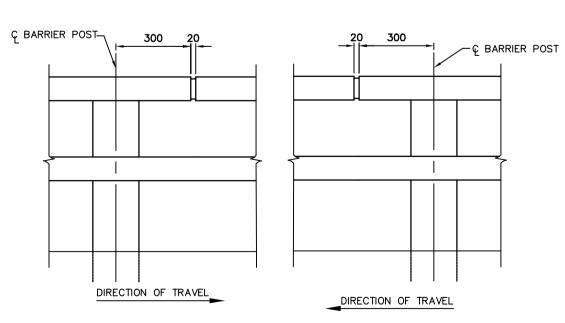
#### MATERIAL SPECIFICATION

- 1. ALUMINUM RAILS, POSTS, SPLICE BARS, AND RAIL END CAPS SHALL CONFORM TO ASTM B221, ALLOY 6061 T6, OR ALLOY 6351 T6.
- 2, TYPE 316. STAINLESS STEEL WASHERS SHALL CONFORM TO ASTM A296, TYPE 316.
- 3. CAP SCREWS SHALL CONFORM TO ASTM A276, TYPE 316 STAINLESS STEEL.
- 4. ANTI-SEIZE COATING TO BE APPLIED TO ALL THREADED COMPONENTS WHEN BEING ASSEMBLED, i.e. LPS-3-MANUFACTURED BY HOLT LLOYD (CANADA) LTD., MARKHAM, ONTARIO L3R 2Z3
- 5. TWO COATS, EACH 1mm IN THICKNESS OF ALKALI—RESISTANT BITUMINOUS PAINT SHALL BE APPLIED ON THE SURFACES OF POSTS AND RAILS THAT ARE IN CONTACT WITH THE GROUND.





SPLICE BAR TO RAIL ASSEMBLY DETAIL



**RAIL SPLICE LOCATION** 

METRIC

N.T.S.

2009/02/26

VERTICAL:

DATE BY

## CONSTRUCTION NOTES

- 1) CURB REPLACEMENT AS DIRECTED BY THE CONTRACT ADMINISTRATOR 2) ALL STREET RADIUS CURB UNDER 15M RADIUS
- SHALL BE REPLACED AS MODIFIED OR AS DIRECTED BY THE CONTRACT ADMINSTRATOR 3) PAVEMENT REPAIRS SHOWN ARE ONLY A REPRESENTATIVE SAMPLE OF THE TENDERED QUANTITIES
- 4) ASPHALT TIE-INS ON APPROACHES TO BE DETERMINED IN THE FIELD BY THE CONTRACT 5) ALL BULLNOSES TO HAVE SLOPED FACE.

#### WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST: 1)OBTAIN CLEARANCE FROM THE GAS UTILITY PRIOR TO EXCAVATION.

SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

2)TAKE PRECAUTION TO AVOID DAMAGE TO GAS UTILITY INSTALLATIONS.

BID OPPORTUNITY NO. 6-2009

													IMBERS INDICATE MILLIMETRES D NUMBERS INDICATE METRES		
• •	GUARD RAIL			LDS/WWS				LOCATION APPROVED	B.M.	GBM 32-008					TEN
0-0	O.L.S.	<b>⊕</b> -⊛		WATERMAIN				UNDERGROUND STRUCTURES	ELEV. 232.447		ENGINEERING DIVISION				
0	MANHOLE	•		GAS				- ONDEROROGIAD SINGUIORES				TECHNOLOG	SY SERVICES BRANCH		
	CATCH BASIN		231.000	ELEVATIONS	231.000			SUPR. U/G STRUCTURES DATE				106 - 1	155 PACIFIC AVE		ď,
Δ	CURB INLET	<b>A</b>		PROPERTY LINE				COMMITTEE							3//
<b>\$</b>	HYDRO POLE		+	SURVEY BAR	-			NOTE:				DESIGNED R.M.	CHECKED G.C./D.	.K.	1
$\hookrightarrow$	TRAFFIC SIGNAL POLE	<b>⊕</b> →		GEODETIC BENCH MARK				LOCATION OF UNDERGROUND STRUCTURES AS					Вт		3/
	DITCH FLOW			RAMP CURB	***************************************			SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN				DRAWN R.M.	APPROVED F.W.C.		3
	CONCRETE			ASPHALT/GRAVEL PAV.	/////	 NORTH GUTTER		THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT.							
	CURB RENEWAL			ASPHALT OVERLAY	5-15-15-15-15-15-	 CENTER LINE		CONFIRMATION OF EXISTENCE AND EXACT				HOR. SCALE: N.T.S.			

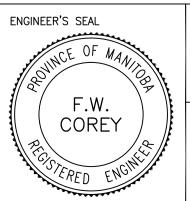
LEGEND - PROFILE | PROPOSED | BEFORE PROCEEDING WITH CONSTRUCTION.

SOUTH GUTTER

LOCATION OF ALL SERVICES MUST BE

NO. REVISIONS

OBTAINED FROM THE INDIVIDUAL UTILITIES



ORIGINAL SIGNED BY

F.W.C. MARCH 26/09



DIRECTION OF TRAVEL

SPLICES SHALL ALWAYS BE STAGGERED AS SHOWN

EXCEPT AT TERMINALS ENDS WHERE THEY WILL BE

**ALUMINUM RAIL SPLICE STAGGER** 

## THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT

# **DUGALD ROAD EAST BOUND**

FROM CNR OVERPASS TO PLESSIS ROAD ASPHALT OVERLAY AND ASSOCIATED WORKS MISC. DETAILS

SE-09-29								
SHEET	21	OF	21					
	2	1						

CITY DRAWING NUMBER