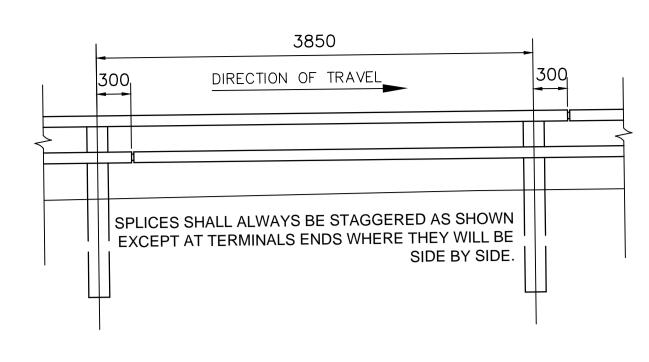
#### \_150mm REVEAL HEIGHT REMOVE BARRIER CURB REGRADE BLVD C/W IMPORTED TOPSOIL\_ CONSTRUCT SPLASH STRIP (SD-223A) EXISTING WESTBOUND EXISTING DITCH AND SALT TOLERANT GRASS SEED DETAIL "A" EXISTING 200mm REINFORCED-/ CONCRETE PAVEMENT \_\_100 ASPHALT PAVEMENT (TYPE 1A) 100 TO 150 OF BASE COURSE

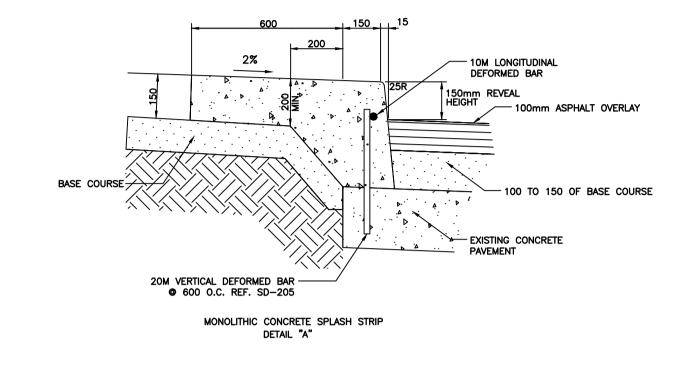
### MATERIAL SPECIFICATION

- 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,
- 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.

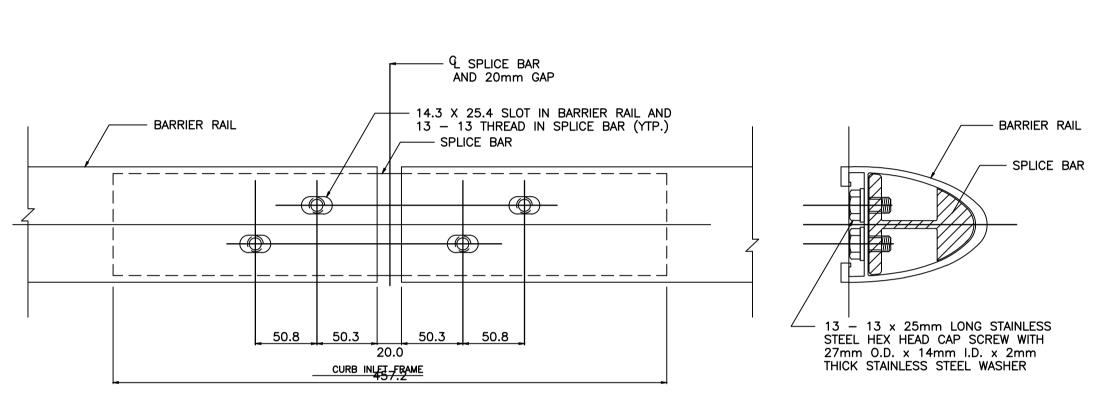
SPILLWAY ELEV.

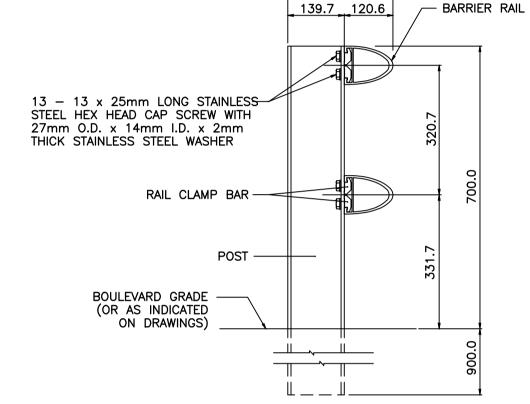


## ALUMINUM RAIL SPLICE STAGGER



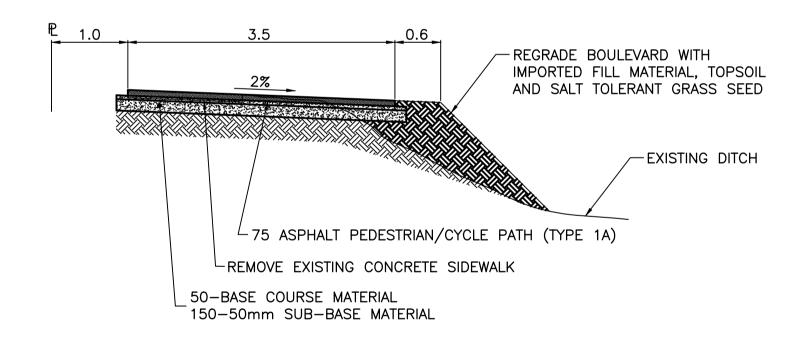
SECTION A - A N.T.S.



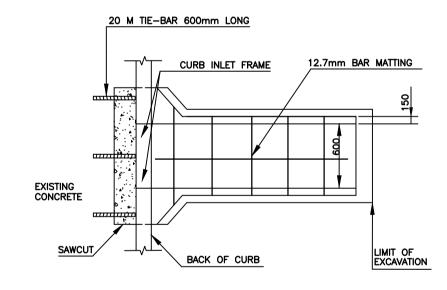


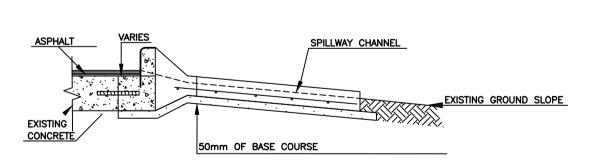
RAIL TO POST ASSEMBLY DETAIL

## SPLICE BAR TO RAIL ASSEMBLY DETAIL

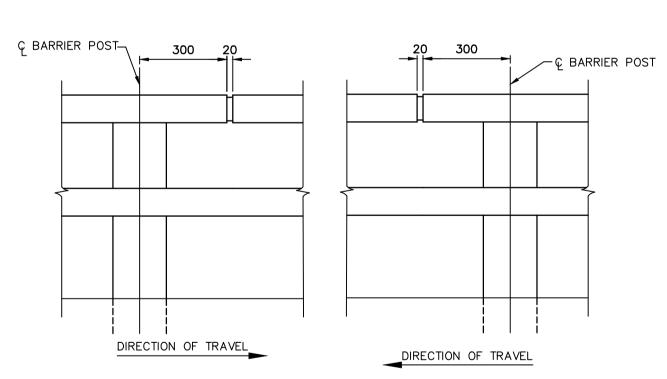


SECTION B - B





SPILLWAY CHANNEL DETAIL 'B' REFER TO E13 CONSTRUCTION OF REINFORCED CONCRETE SPILLWAY WITH CURB INLET FRAME



RAIL SPLICE LOCATION

METRIC WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES

BID OPPORTUNITY NO. 9-2013

<b>-</b>	HYDRANT	+		LDS/WWS			PAVED SHOULDER (TYP.)	+ + + + + + + + + + + + + + + + + + + +	LOCATION APPROV
<b>⊕</b> →	RAILWAY WARNING SIGNALS			WATERMAIN			CULVERT		UNDERGROUND STRUCT
O <del>-</del> ₽3	PEDESTRIAN X-WALK	●=		GAS			RAMP CURB		ONDERORGOND STREET
<del>-</del>	SURVEY BAR	+		HYDRO					SUPR. U/G STRUCTURES
0-0	O.L.S.	••		TRAFFIC SIGNALS		EXISTING	LEGEND — PLAN	PROPOSED	COMMITTÉE
0	MANHOLE	•		MTS					NOTE:
	CATCH BASIN			CURB RENEWAL					LOCATION OF UNDERGROUND STRU
Δ	CURB INLET	<b>A</b>	231.000	ELEVATIONS	231.000		TURN LANES		SHOWN ARE BASED ON THE BEST AVAILABLE. BUT NO GUARANTEE IS
ф	HYDRO POLE			PROPERTY LINE			NORTH GUTTER		THAT ALL EXISTING UTILITIES ARE S THAT THE GIVEN LOCATIONS ARE E
$\hookrightarrow$	TRAFFIC SIGNAL POLE			GEODETIC BENCH MARK			SOUTH GUTTER		CONFIRMATION OF EXISTENCE AND
0	OVERHEAD SIGN			CONCRETE			DITCH (SOUTH)		LOCATION OF ALL SERVICES MUST OBTAINED FROM THE INDIVIDUAL U
EXISTING	LEGEND — PLAN	PROPOSED	EXISTING	LEGEND — PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED	BEFORE PROCEEDING WITH CONSTR

					DECIMALIZED NOMBI	LING INDICATE I	WETTES	
TION APPROVED  ROUND STRUCTURES  RUCTURES  DATE		GBM 64-012 232.418		ENGINEERING DIVISION			ENGINEER'S SEAL	
					TECHNOLOGY SE 106 - 1155 PA	R.T.		
UNDERGROUND STRUCTURES AS					DESIGNED S.M. BY	CHECKED BY	A.P.	CUNNINGHAM Member 24711
ASED ON THE BEST INFORMATION IN NO GUARANTEE IS GIVEN					DRAWN S.M.	APPROVED BY	R.T.C.	PROFESSIONAL PROFE
TING UTILITIES ARE SHOWN OR IN LOCATIONS ARE EXACT.	2.	ADDENDUM 1	þ1/13/13	S.M.				The state of the s
OF EXISTENCE AND EXACT	1.	SUBMIT FOR ENGINEER'S REVIEW	01/04/13	S.M.	HOR. SCALE: 1:500			
ALL SERVICES MUST BE M THE INDIVIDUAL UTILITIES	0.	SUBMIT FOR PLAN APPROVAL	12/21/12	S.M.	VERTICAL: 1 : 10			ORIGINAL SIGNED BY
EEDING WITH CONSTRUCTION.	NO.	REVISIONS	DATE	BY				R.T.C. MARCH 4/2013

ENGINEER'S SEAL
R.T.  CUNNINGHAM  Member 24711  AROFESSIONAL

	<b>@</b>
<b>,</b>	Winnipeg

# THE CITY OF WINNIPEG

PUBLIC WORKS DEPARTMENT

CONSTRUCTION NOTES

ADMINISTRATOR.

) CURB REPLACEMENT AS DIRECTED BY THE CONTRACT

2) ALL STREET RADIUS CURB UNDER 15M RADIUS SHALL BE REPLACED AS MODIFIED OR AS DIRECTED BY THE CONTRACT ADMINISTRATOR.

RÉPRESENTATIVE SAMPLE OF THE TENDERED QUANTITIES

IN THE FIELD BY THE CONTRACT ADMINISTRATOR.

4) ASPHALT TIE-INS ON APPROACHES TO BE DETERMINED

WARNING

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

1)OBTAIN CLEARANCE FROM THE GAS UTILITY PRIOR TO EXCAVATION.

2)TAKE PRECAUTION TO AVOID DAMAGE TO GAS

SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

3) PAVEMENT REPAIRS SHOWN ARE ONLY A

5) ALL BULLNOSES TO HAVE SLOPED FACE.

CONTRACTOR MUST:

UTILITY INSTALLATIONS.

MCGILL	IVPAV	ROIII F	VARD E	ASTBOUND
INICOILL	.I V I \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	DOCLE	VAILU L	

FROM IRENE STEET TO PEMBINA HIGHWAY ASPHALT OVERLAY AND ASSOCIATED WORKS MISCELLANEOUS DETAILS

P-3340-5						
SHEET	5	OF	5			
5						

CITY DRAWING NUMBER