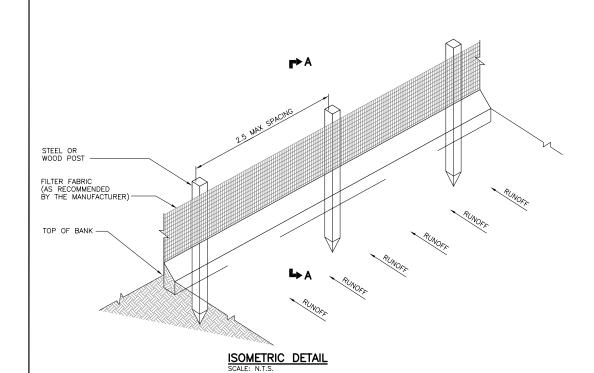
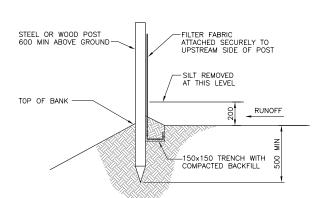
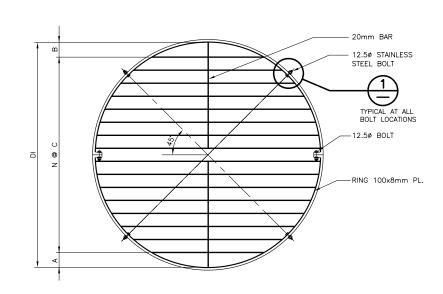
## STANDARD PIPE END DETAILS





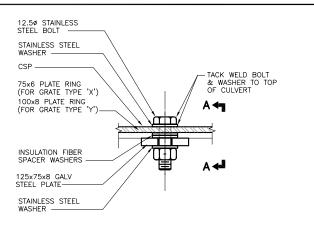
SECTION A—A SILT FENCE DETAILS

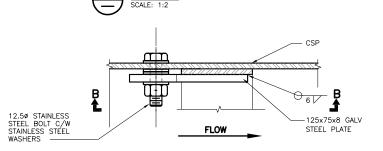


GRATING TYPE 'Y'

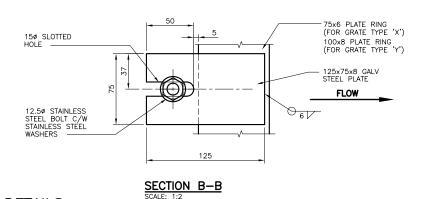
DEBRIS GRATE SCHEDULE											
LOCATION	PIPE		END	END GRATING							
	DIAMETER D	MATERIAL	CONDITION	DIAMETER D1	TYPE	BAR DIA.	Α	В	С	N	WEIGHT (lbs)
RUE LA VERENDRYE (RR-59)	1200	CSP	1	1185±	Υ	20	145	150	130	7	72
				·							

- 1. ALL PLATES AND BARS ARE CSA G40.21-300W.
- 2. ALL COMPONENTS ARE GALVANIZED.
- ALL BOLTS TO BE TYPE 316 STAINLESS STEEL CONFORMING TO ASTM A320 GRADE B8M

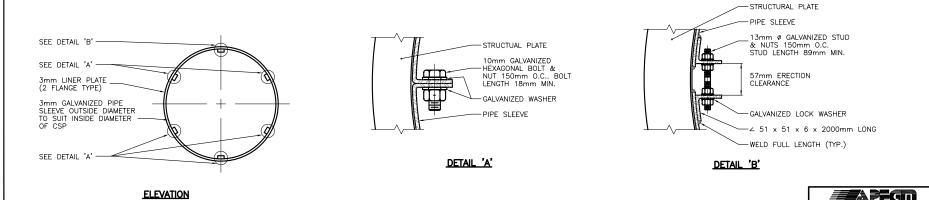




# SECTION A-A



### STANDARD DEBRIS GRATE DETAILS



# INTERNAL SLIP JOINT DETAILS

CONSULTING ENGINEERS
& PROJECT MANAGERS LOCATION APPROVED B.M. ELEV. KGS WINNIPEG (204) 896-1209 THUNDER BAY (807) 345-2233 GROUP SUPV. U/G STRUCTURES COMMITTEE ORIGINAL SIGNED BY R.J. HOUSTON 14 DEC 07 COMMITTE.

NOTE:

NOTE:

LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION ANALABLE BUT NO GLARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE NOMFOULL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION. DESIGNED BY CHECKED RJH DRAWN BY APPROVED DW RELEASED FOR CONSTRUCTION HOR. SCALE: AS NOTED CONSULTANT DRAWING NO. 07-0107-25 02 DATE BY DATE 09/08/07 NO. REVISIONS

Winnipeg

# THE CITY OF WINNIPEG WATER & WASTE DEPARTMENT

2007 OUTFALL REPAIRS

02 05 CAD FILE DRAWING NUMBER DETAILS-PLOT LD-3939

KGS Group

MISCELLANEOUS DETAILS