

END CONDITION '2' SCALE: N.T.S.

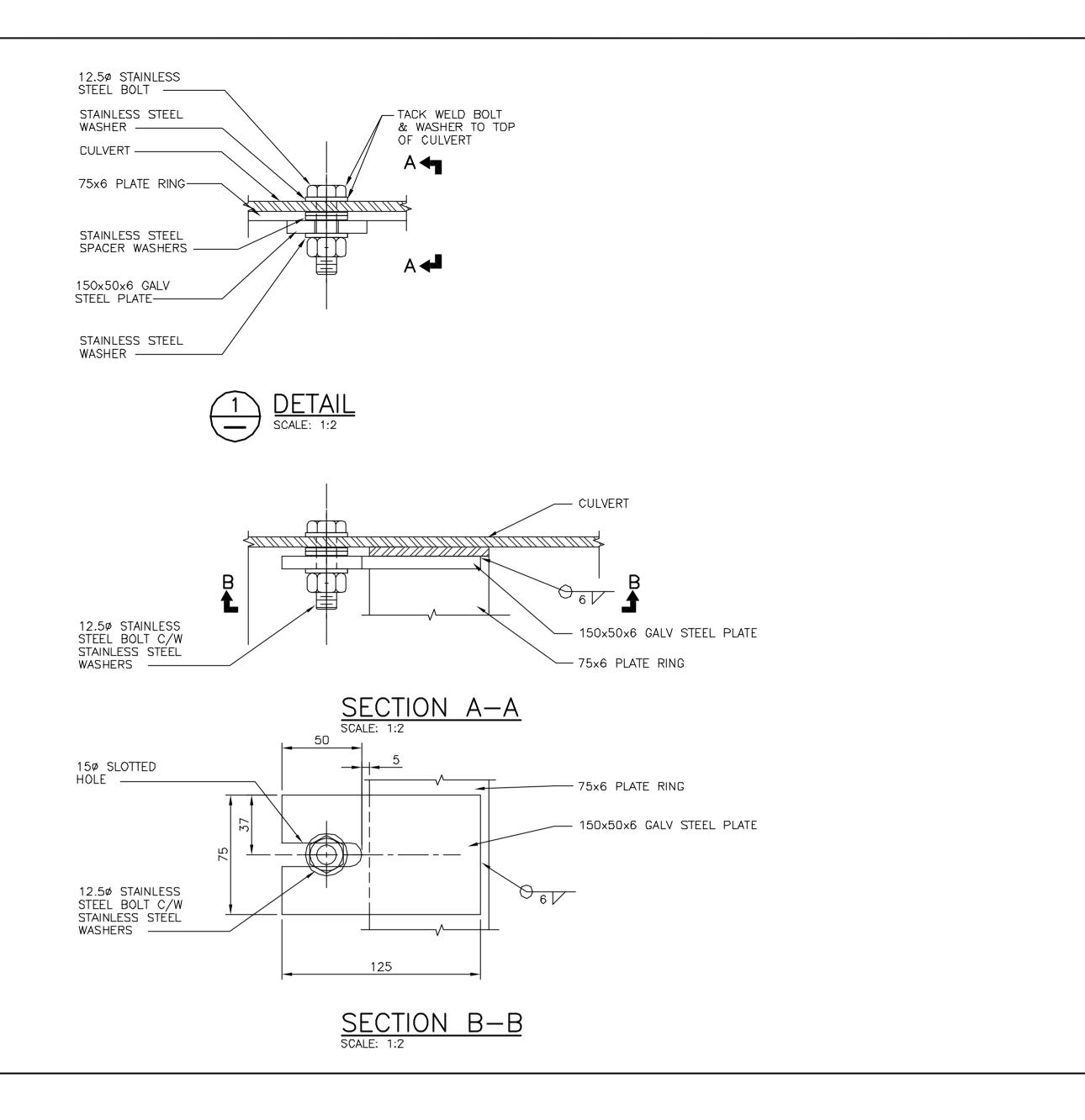
GRATING TYPE 'Y' SCALE: N.T.S.

OUTFALL DEBRIS GRATING											
PIF	'E	END	GRATING								
DIAMETER D	MATERIAL	CONDITION	DIAMETER D1	TYPE	BAR DIA.	А	В	C	N	WEIGHT (Ibs)	
1050	CSP	2	1035±	X	20	150	225	165	4	60	
1220	CSP	2	1205±	×	20	150	150	130	7	72	

NOTE:

ALL PLATES AND BARS ARE CSA G40.21-300W.

ALL COMPONENTS ARE GALVANIZED.



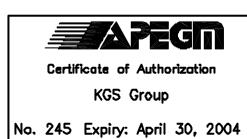
WARNING

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

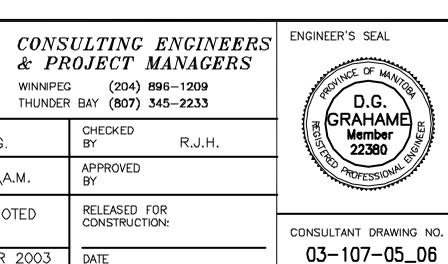
1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION. 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS. SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES



LOCATION APPROVED UNDERGROUND STRUCTURES			l. V.	KG	CONS	ULTIN OJEC'		
SUPV. U/G STR	SUPV. U/G STRUCTURES DATE COMMITTEE					GROU	WINDER	_
NOTE: LOCATION OF UNDERGROUND STRUCTURES AS					DESIGNED BY	D.G.G.	CHECKE BY	
	SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN					DRAWN BY	D.W.\A.M.	APPROV BY
		1	ADDENDUM 1	15/01/04	DGG			
		0	ISSUED FOR TENDER	06/01/04	DGG	HOR. SCALE:	AS NOTED	RELEAS CONSTR
	OBTAINED FROM THE INDIVIDUAL UTILITIES	Α	ISSUED FOR REVIEW	22/12/03	DGG	VERTICAL:		
	NO.	REVISIONS	DATE	BY	DATE DEC	EMBER 2003	DATE	



APPROVED BY



THE CITY OF WINNIPEG WATER & WASTE DEPARTMENT

OUTFALL REPAIRS

PROPOSED UPGRADING DETAILS

DEBRIS GRATE DETAILS

CAD FILE DRAWING NUMBER 03-107-05-DETAILS_rev1 CITY DRAWING NUMBER LD-2988

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