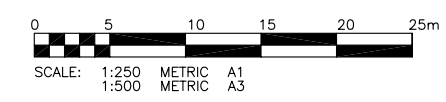


- LEGEND**
- UWRL UNREGULATED WINTER RIVER LEVEL
 - RSRL REGULATED SUMMER RIVER LEVEL
 - 229— GEODETIC CONTOUR (m)
 - TH08-01 TESTHOLE WITH INSTRUMENTATION BY KGS GROUP (NOVEMBER 2008) (SI-1) SLOPE INCLINOMETER #1 (PN-1) PNEUMATIC PIEZOMETER #1 (STP-1) STANDPIPE PIEZOMETER #1
 - — — — — PROPERTY BOUNDARY
 - ⊗ TREES TO BE REMOVED
 - ⊙ TREES TO BE PROTECTED
 - — — — — SAFETY FENCE
 - x — x — SILT FENCE

- NOTES:**
1. THESE DRAWINGS TO BE READ IN CONJUNCTION WITH TENDER PACKAGE "RUE DESPINS AND AVENUE DE LA CATHEDRALE OUTFALL PIPE REPLACEMENT AND RIVERBANK STABILITY IMPROVEMENT WORKS".
 2. SITE PLAN BASED ON 2006 DIGITAL ORTHOGRAPHIC MAPPING AND 2008 KGS GROUP TOPOGRAPHIC SURVEY AND RIVER BOTTOM SOUNDINGS.
 3. SURVEY CONTROL WILL BE PROVIDED BY THE CONTRACT ADMINISTRATOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF THE WORK AND ANY ONGOING SURVEY DURING CONSTRUCTION.
 4. ANTICIPATED ICE LEVEL AT THE SITE WILL BE ELEV. 222.0m ±.
 5. WITHIN LIMITS OF BANK WORKS, PROVIDE ACCESS POINT AT TACHE AVENUE.
 6. RIPRAP TOP ELEVATION AT 225.0m. CARE SHALL BE TAKEN WHEN PLACING RIPRAP ALONG SHORELINE TO AVOID DAMAGE TO EXISTING TREES LOCATED ALONG TOP OF BANK.
 7. BLEND EXISTING AND NEW RIPRAP WITH EXISTING BANK GEOMETRY TO PROVIDE A SMOOTH UNIFORM GRADE.
 8. NO TREES SHALL BE REMOVED WITHOUT PRIOR APPROVAL OF THE CONTRACT ADMINISTRATOR.
 9. LOCATION OF NEW TREES SHALL BE IN THE MID BANK AREA AND AS DIRECTED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
 10. REGRADE AREA TO PROVIDE POSITIVE DRAINAGE AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
 11. FINAL EXTENTS OF EXCAVATED ROCKFILL COLUMNS TO BE DETERMINED BY CONTRACT ADMINISTRATOR.
 12. LOCATIONS OF EXISTING TENSION CRACKS ARE APPROXIMATE AND WILL BE VERIFIED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
 13. EXISTING RIPRAP EXTENTS ARE APPROXIMATE. RIPRAP EXTENTS AND THICKNESS WILL BE VERIFIED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.



PROPERTY LIMITS DELINEATION

DELINEATION OF PROPERTY LIMITS AS SHOWN ON THIS DWG DOES NOT REPRESENT A "LEGAL SURVEY". KGS GROUP MAKES NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF PROPERTY LIMITS DELINEATED ON THIS DWG, NOR ON THE DIMENSIONAL ACCURACY OF DWG FEATURES RELATIVE TO THOSE PROPERTY LIMITS.

WARNING

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

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
Certificate of Authorization
KGS Group
No. 245 Date: 16/12/08

THE CITY OF WINNIPEG
WATER & WASTE DEPARTMENT

2008 OUTFALL REPAIRS
AVENUE DE LA CATHEDRALE

RIVERBANK WORKS

SHEET OF
08 OF **09**

CAD FILE DRAWING NUMBER
RR-55.1 RIVERBANK WORKS

CITY DRAWING NUMBER
LD-5245

DESIGNED BY BPA CHECKED BY AMH
DRAWN BY DMW APPROVED BY
HOR. SCALE: 1:250 RELEASED FOR CONSTRUCTION:
VERTICAL: DATE

ENGINEER'S SEAL
ORIGINAL SIGNED BY
R.M. KEYON
16/12/08

CONSULTANT DRAWING NO.
08-107-12_08

KGS GROUP CONSULTING ENGINEERS & PROJECT MANAGERS
WINNIPEG (204) 896-1209
THUNDER BAY (807) 345-2233

DESIGNED BY BPA CHECKED BY AMH
DRAWN BY DMW APPROVED BY
HOR. SCALE: 1:250 RELEASED FOR CONSTRUCTION:
VERTICAL: DATE

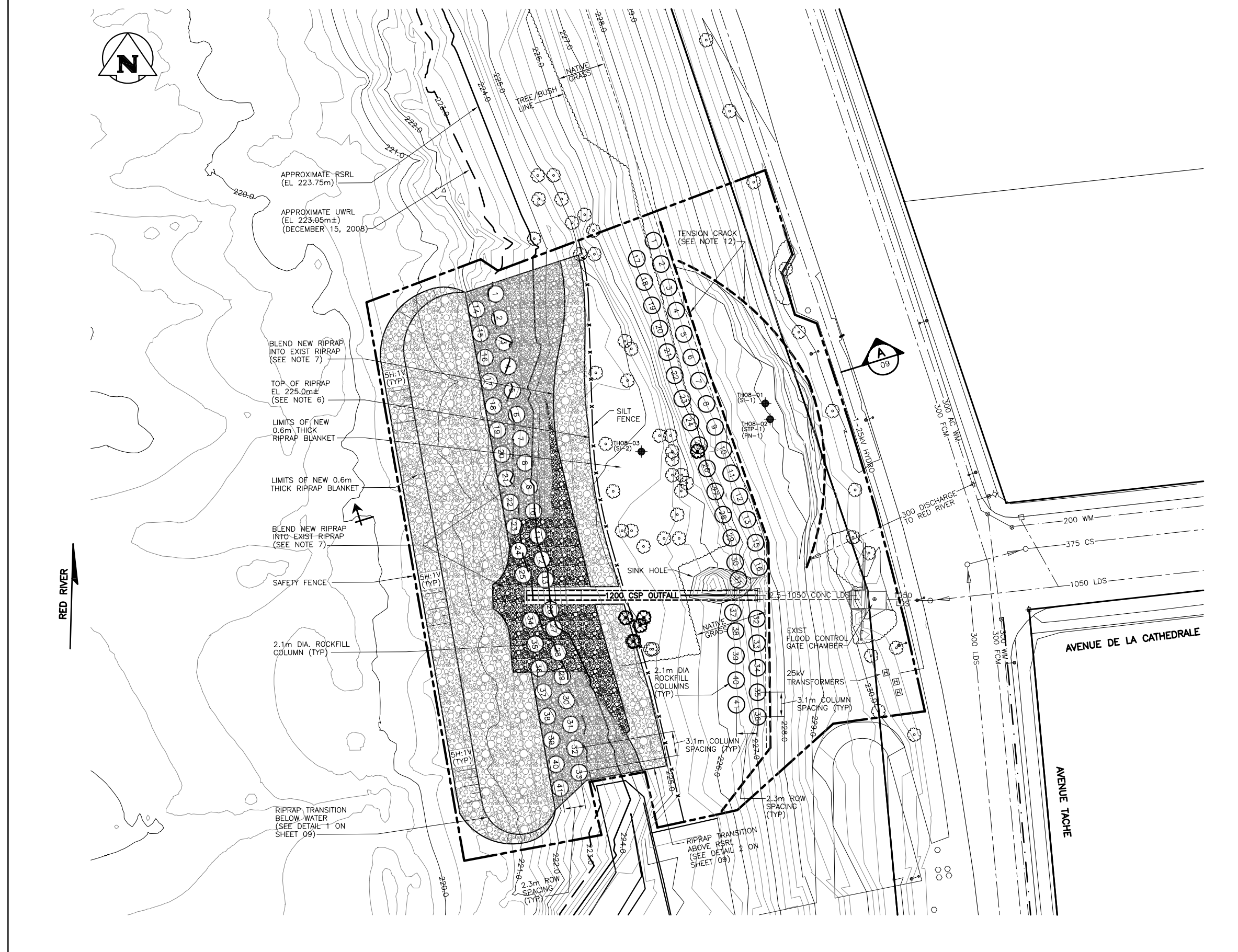
ISSUED FOR TENDER 16/12/08 RKe
NO. REVISIONS DATE BY

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

150 WM	WATERMAIN	150 WM	HYDRO			
⊕	HYDRANT	⊕	M.T.S.			
⊙	VALVE	⊙	PROPERTY LINE			
300 LDS	LAND DRAINAGE SEWER	300 LDS	SURVEY BAR			
250 WWS	WASTE WATER SEWER	250 WWS	LIGHT STANDARD			
○	MANHOLE	○	HYDRO POLE			
□	CATCH BASIN	□	GUY WIRE			
▽	CURB INLET	▽	SIGN			
+	JUNCTIONS	+	BUSH LINE			
— — — — —	CULVERT	— — — — —	FENCE			
— — — — —	GAS	— — — — —	ELEVATION	(32.231)		
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING



FILE NO. P:\PROJECTS\2008\08-0107-12\DWG\MUN\RR-55.1-RIVERBANK WORKS PLOT.DWG
PLOT: 1:1 A-1