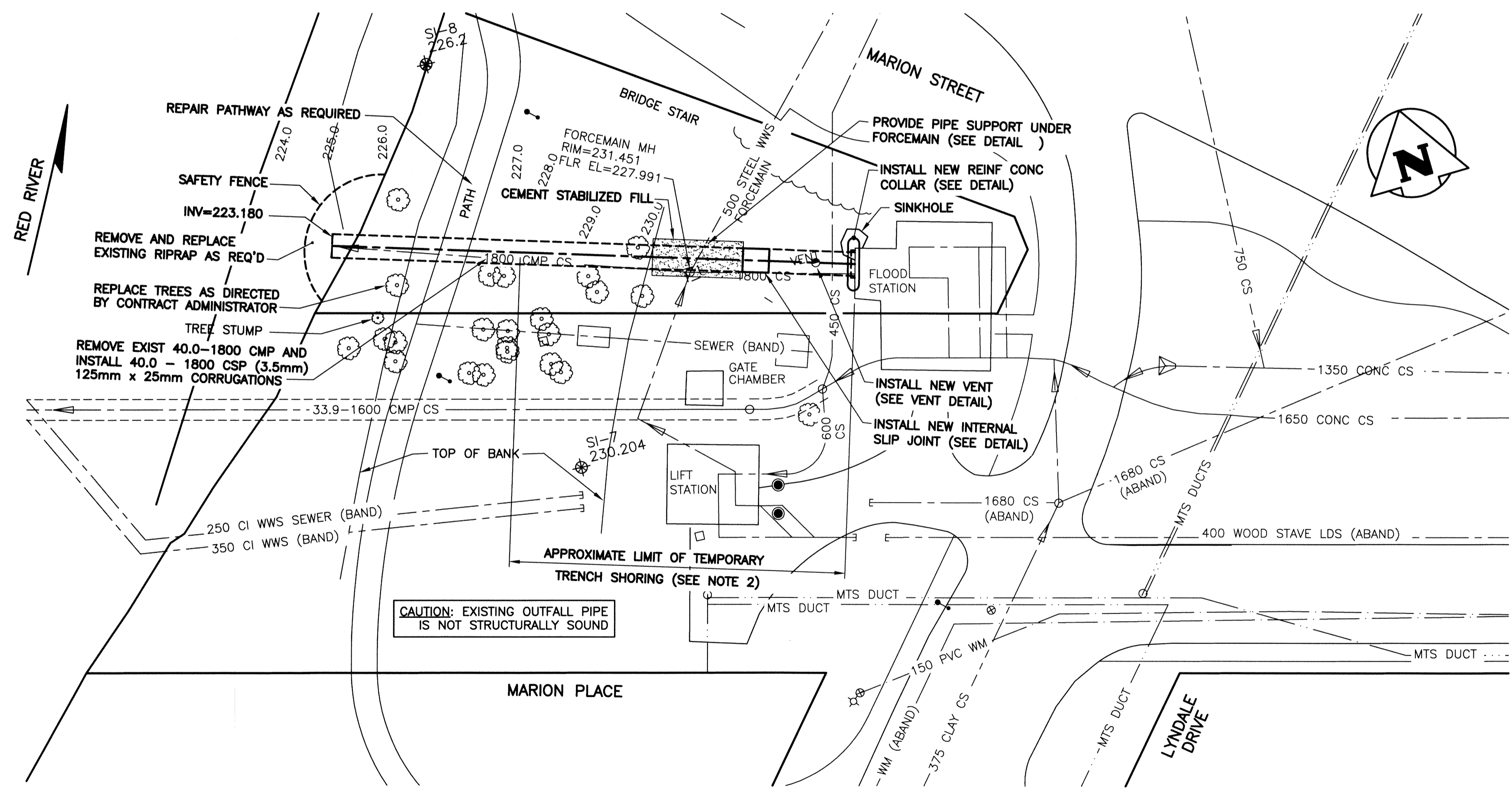
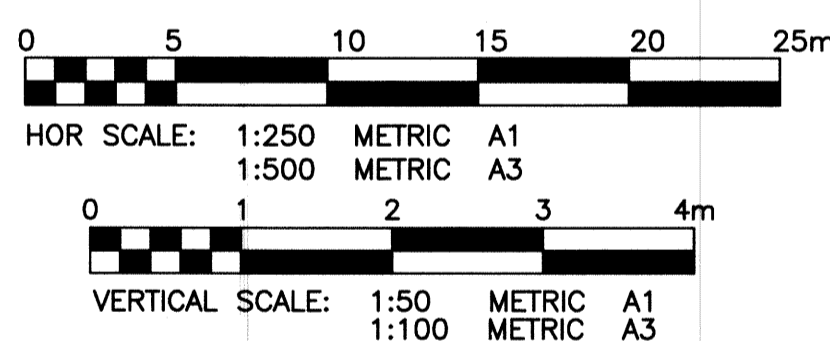


**REINFORCED CONCRETE COLLAR DETAIL**  
SCALE: NTS

**250Ø CSP VENT DETAIL**  
SCALE: NTS

- NOTE:**
- ALL EXCAVATED MATERIAL TO BE MOVED OFF SITE.
  - THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AS REQUIRED IN ACCORDANCE WITH THE SPECIFICATIONS.
  - 500Ø STEEL FORCEMAIN TO BE PROTECTED FROM FREEZING.
  - WRAP OUTSIDE OF OUTFALL PIPE WITH CONTINUOUS SHEET OF GEOTEXTILE. GEOTEXTILE TO EXTEND 1.0m (EACH SIDE) BEYOND THE LENGTH OF THE SLIP JOINT.



**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.

**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**APCGM**  
Certificate of Authorization  
KGS Group  
No. 245

300 LBS	LAND DRAINAGE SEWER	300 LBS		TEST HOLE			
250 WWS	WASTE WATER SEWER	250 WWS	+	GUY WIRE			
	GAS		→	LIGHT STANDARD			
	HYDRO		—	BACK OF CURB			
	M.T.S.		—	CONCRETE			
150 WM	WATERMAIN	150 WM	—	ASPHALT			
+	HYDRANT		+	SIDEWALK			
⊗	VALVE		⊗	PROPERTY LINE			
○	MANHOLE		○	SURVEY BAR			
□	CATCH BASIN		□	GEODETIC BENCHMARK			
▽	CURB INLET		▽	ELEVATION			
•	POLES		•				
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE

**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 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.

B.M. KGS BASE ELEV. -	DWGS BASED ON C.S.R.S. NAD 83 SYSTEM, UTM GRID
0	ISSUED FOR TENDER 12/11/30
NO. REVISIONS	DATE BY

**KGS GROUP CONSULTING ENGINEERS**

DESIGNED BY RBO CHECKED BY RJH  
DRAWN BY DMW APPROVED BY  
HOR. SCALE: 1:250  
VERTICAL: 1:50  
RELEASED FOR CONSTRUCTION: DATE  
DATE YY/MM/DD

ENGINEER'S SEAL  
**CRISTOFFMAN**  
Member 24701  
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO. 12-0107-013

**THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT**

PROJECT TITLE: 2012 OUTFALL RENEWAL/REHABILITATION PROGRAM  
MARION STREET OUTFALL (RR-52)  
PLAN AND PROFILE

SHEET 7 OF 9  
COMPUTER FILE NAME: 12-0107-013  
CITY DRAWING NUMBER: LD-6952

File Name: P:\Projects\2012\12-0107-013\Doc\Control\Released\DWG\12-0107-013\_LD-6952-Rev.0.dwg - Tab: LD-6952 Plotted By: DDerocete 12/11/29 [Thu 11:58am] A17/PLOT SCALE: 1:1