



## CAISSON NOTES:

- 1. FOR GENERAL NOTES SEE SHEET C2-CS-001.
- 2. FOR FOUNDATION NOTES SEE SHEET C2-CS-001.
- 3. FOR REINFORCING STEEL NOTES REFER TO SHEET C2-CS-001.
- 4. REINFORCING STEEL MARKS ENDING WITH "G" SHALL BE GALVANIZED REINFORCEMENT.
- 5. CONTRACTOR TO FIELD CONFIRM ALL DIMENSIONS RELATED TO THE STRUCTURE.
- 6. RESOLVE WITH CONTRACT ADMINISTRATOR ALL DISCREPANCIES PRIOR TO START OF CONSTRUCTION
- START OF CONSTRUCTION.

  7. ALL CAISSONS SHALL BE FOUNDED INTO THE BEDROCK AS PER SOCKET
- LENGTH TABLE.
- 8. MAXIMUM DESIGN COMPRESSION SERVICE LOAD (WORKING LOAD) FOR CAISSONS:

CAISSON	PRIMARY	PRIMARY & SECONDARY
C1, C3, C4 C6, C7, C9	5460 kN	5970 kN
C2, C5, C8	6510 kN	-

- 9. CAISSON CONCRETE MINIMUM SPECIFIED COMPRESSIVE STRENGTH SHALL BE 35 MPa AT 28 DAYS WITH TYPE HS OR HSb SULPHATE RESISTANT PORTLAND CEMENT.
- 10. PERMANENT CASING WILL BE REQUIRED TO PREVENT EXCESSIVE SEEPAGE AND SLOUGHING INTO THE CAISSON HOLES DURING EXCAVATION AND CASTING OF THE CONCRETE.
- 11. THE CAISSON INSTALLATION SHALL BE MONITORED BY CONTRACTOR'S QUALIFIED GEOTECHNICAL PERSONNEL.
- 12. ALL CAISSON EXCAVATIONS SHALL BE THOROUGHLY CLEANED AND VISUALLY INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO CASTING THE CONCRETE. NO SLOUGH OR DISTURBED MATERIAL SHALL BE ALLOWED TO REMAIN AT THE CAISSON BASE.
- 13. CAISSON CONCRETE SHOULD BE CAST IMMEDIATELY AFTER DRILLING OF THE HOLE TO REDUCE THE RISK OF GROUND WATER SEEPAGE AND
- SLOUGHING SOIL.

  14. SPLICES TO LONGITUDINAL REINFORCING TO BE ALTERNATING.
- 15. WHERE GALVANIZING IS DAMAGED, REPAIR WITH TWO COATS OF A COMPONENT ZINC-RICH COATING CONTAINING 96% NON-TOXIC ELECTROLYTIC ZINC POWDER (PURE TO 99.995%) AND NON-TOXIC SOLVENT.
- 16. EXTERIOR STEEL PIPES SHALL BE CUT-OFF PARALLEL TO PIER CAP SOFFIT. CUT-OFF ELEVATIONS ARE GIVEN AT PIPES CENTRE LINES.

CAISSON	ROCK SOCKET LENGTH (mm)
C1, C3, C4, C6, C7, C9	4500
C2, C5, C8	5000

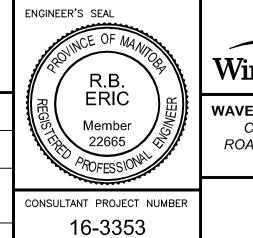
THE SOIL SUBSURFACE ELEVATIONS SHOWN ON THE DRAWING ARE APPROXIMATE ONLY. REFER TO THE TEST HOLE LOGS AND ALL OTHER AVAILABLE INFORMATION TO GAIN MORE KNOWLEDGE

ABOUT THE SURFACE AND SUBSURFACE CONDITIONS.

Certificate of Authorization	
Dillon Consulting Limited (MB)	
No. 1789 Date: 2017/01/09	0
110: 1700 Butc:	NO

						LON		ENGINEER
				DESIGNED BY	RE	CHECKED BY	SSR	REGISTERED.
				DRAWN BY	СО	APPROVED BY	DBW	
				HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION		CONCULT
0	ISSUED FOR TENDER	17/01/09	RE	VERTICAL	AS SHOWN			CONSULTA
NO.	REVISIONS	DATE	BY	DATE		DATE		

STEEL PIPE CASING ELEVATIONS



## Winnipeg

## THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT

1 0			
RLEY STREET UNDERPASS AT CN MILE 3.89 RIVERS SUE	CITY DRAWING NUMBER U-239-2016-C2-CS-016		
ADWORKS, LAND DRAINAGE SEWER, PUMPING STATION AND LANDSCAPING WORKS	SHEET <b>016</b>	of <b>085</b>	
	CONSULTANT D	DAWING NITIMBED	

FOUNDATION DETAILS - SHEET 2

C2-CS-016