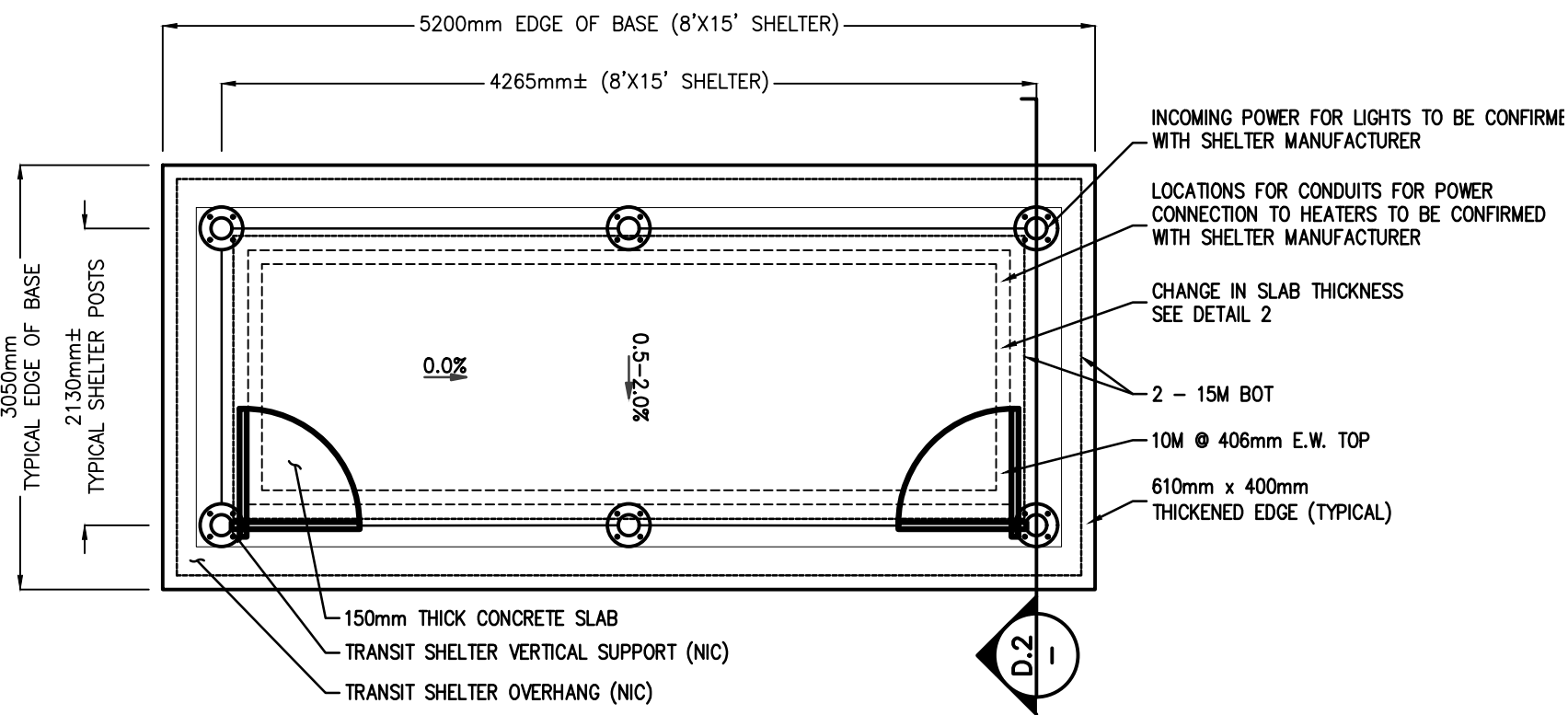
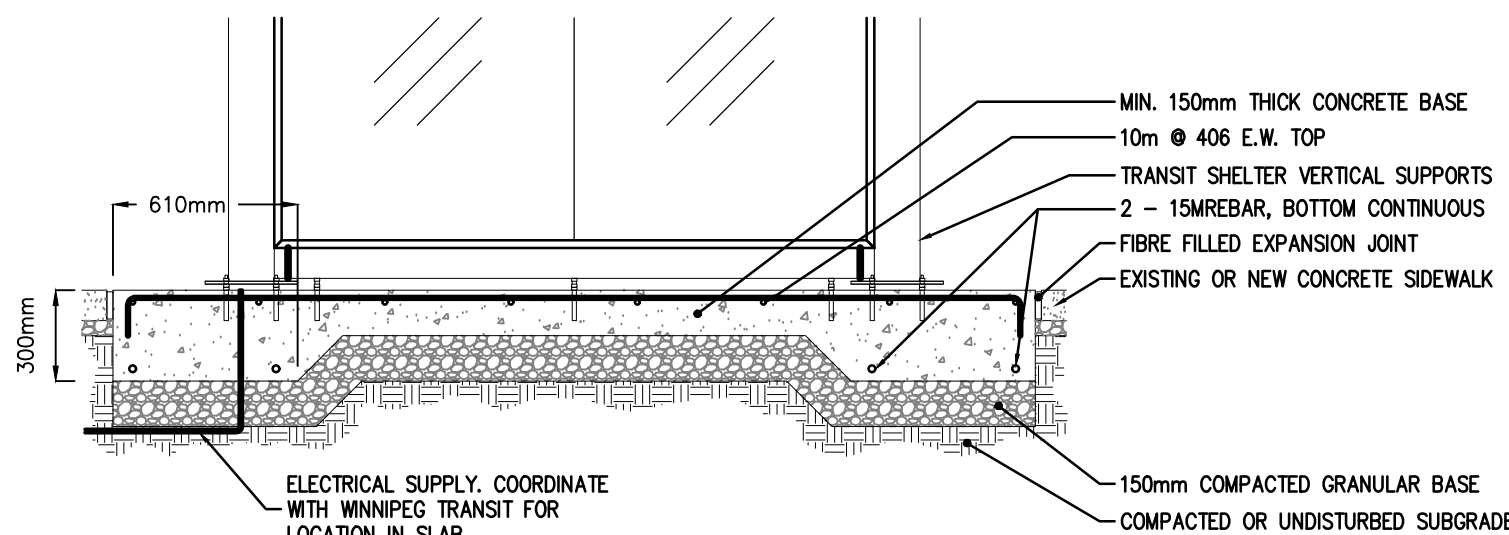




- NOTE:
1. CONFIRM FINAL CROSS SLOPE WITH CONTRACT ADMINISTRATOR PRIOR TO LAYOUT CONTRACTOR TO REPORT ANY DISCREPANCIES TO CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION.
 2. CONTRACTOR TO VERIFY EXACT DIMENSIONS OF SHELTER PRIOR TO LAYOUT WITH SHELTER MANUFACTURER. CONTRACT ADMINISTRATOR TO SUPPLY CONTACT INFORMATION.

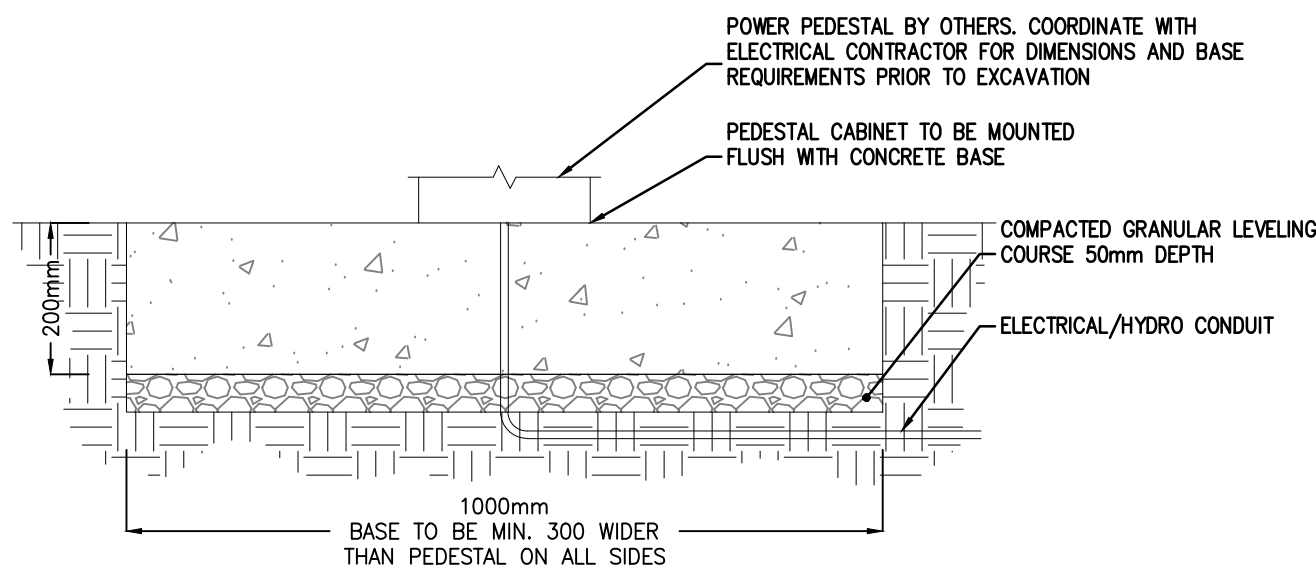
1 SHELTER BASE FOR HEATED SHELTERS

N.T.S.



2 SHELTER BASE SECTION

N.T.S.



- NOTE:
1. EXACT LOCATION OF PEDESTAL TO BE CONFIRMED ON SITE BY WINNIPEG TRANSIT AND CONTRACT ADMINISTRATOR
 2. CONTRACTOR TO COORDINATE WITH LAND OWNERS & WINNIPEG TRANSIT RE: CONDUIT LOCATIONS
 3. GROUND ROD TO BE INSTALLED BY CONTRACTOR SIZE AND LOCATION TO BE CONFIRMED BY PEDESTAL MANUFACTURER
 4. WHERE POWER PEDESTAL WILL BE WITHIN AREA OF NEW CONCRETE SIDEWALK THE BASE IS TO BE POURED INTEGRAL WITH SIDEWALK

3 POWER PEDESTAL BASE

N.T.S.

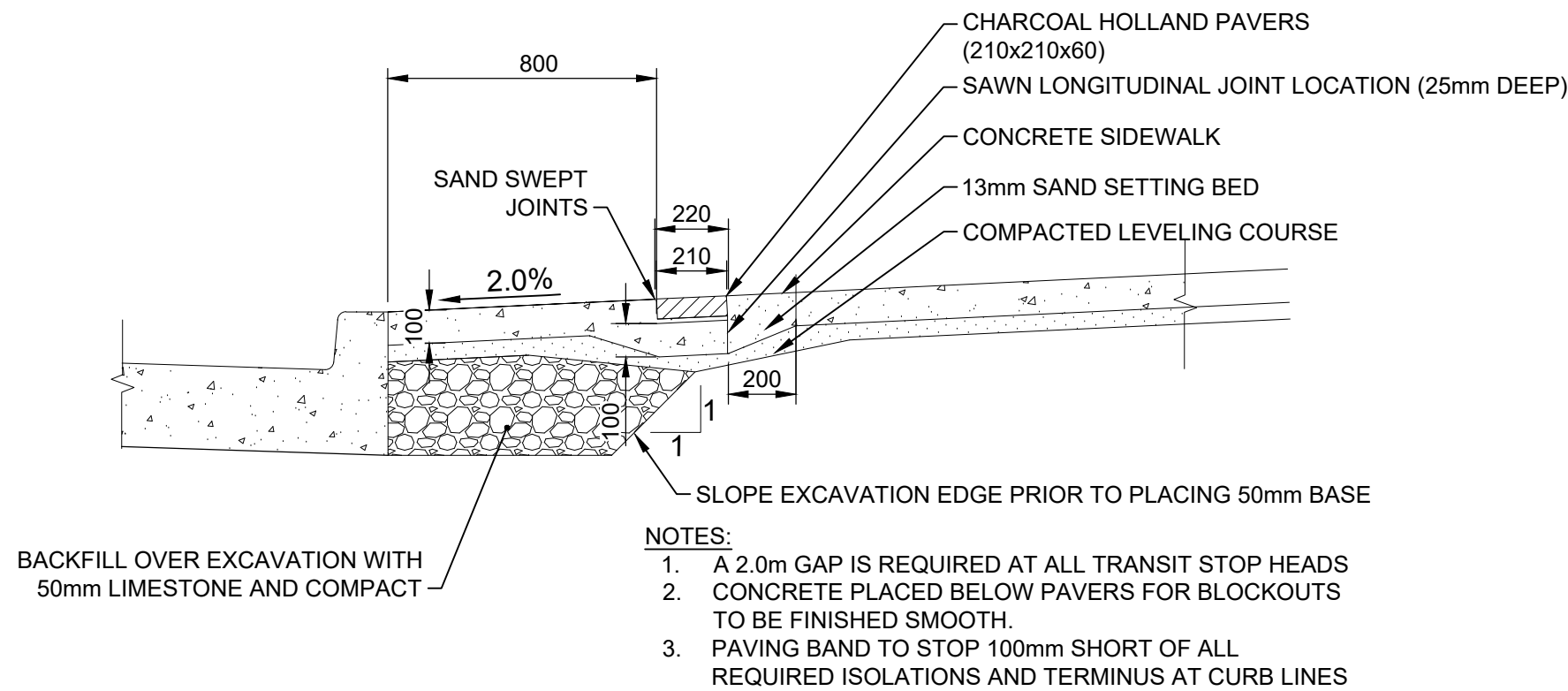
- GENERAL CONSTRUCTION NOTES:
1. CITY OF WINNIPEG TRANSIT DEPARTMENT WILL BE RESPONSIBLE TO REMOVE TRANSIT SHELTERS. THE CONTRACTOR SHALL NOTIFY THE CONTRACT ADMINISTRATOR A MINIMUM OF TWO WEEKS IN ADVANCE OF THE WORK AT EACH SITE TO COORDINATE SHELTER REMOVAL.
 2. CITY OF WINNIPEG TRANSIT DEPARTMENT WILL BE RESPONSIBLE TO INSTALL TRANSIT SHELTERS.
 3. CONTRACTOR RESPONSIBLE TO 'MAKE GOOD' AND CLEAN SITE, REPAIR DAMAGED SOD ETC ETC AT THEIR OWN COST AT COMPLETION OF CONSTRUCTION.

- GENERAL CONCRETE NOTES:
4. ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED PRIOR TO COMMENCING CONSTRUCTION.
 5. CONFIRM THE LOCATION OF ALL SUBGRADE SERVICES PRIOR TO COMMENCING SITE WORK.
 6. EXCAVATE ALL TOPSOIL, ORGANIC MATERIAL AND LOOSE OR UNSUITABLE FILL TO THE APPROVAL OF THE CONTRACT ADMINISTRATOR.
 7. EXCAVATE BELOW SLABS ON FILL TO PROVIDE A MINIMUM OF 150mm OF GRANULAR. FILL SHALL BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
 8. CONSTRUCTION JOINT LOCATIONS ARE TO BE APPROVED BY THE CONTRACT ADMINISTRATOR.
 9. ALL CONCRETE PILES AND BASES TO BE REVIEWED AND APPROVED BY SIGNAGE & SHELTER MANUFACTURERS' STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION. CONTRACTOR TO MAKE ANY CHANGES REQUIRED AT NO EXTRA COST.

- REINFORCING NOTES:
10. PERFORM CONCRETE WORK IN ACCORDANCE WITH CAN3-A23.3-M84 UNLESS INDICATED OTHERWISE.
 11. ALL REINFORCING BARS SHALL BE DEFORMED BARS WITH A MINIMUM SPECIFIED YIELD STRENGTH 400MPa FOR 20M BARS AND 300MPa FOR 15M AND 10M BARS IN ACCORDANCE WITH CAN-630.18-M92.
 12. COVER TO REINFORCING: SLABS 50mm CLEAR TOP AND BOTTOM.
 13. BEFORE PLACING ENSURE REINFORCING IS CLEAN, FREE OF LOOSE SCALE, DIRT, OR OTHER FOREIGN COATING WHICH WOULD REDUCE THE BOND TO CONCRETE.
 14. SHOP DRAWINGS SHALL BE SUBMITTED WHICH CLEARLY INDICATE BAR SIZES, SPACINGS, LOCATIONS AND QUANTITIES OF REINFORCING STEEL AND WIRE FABRIC, BENDING AND CUTTING SCHEDULES, AND SUPPORTING AND SPACING DEVICES FOR REVIEW PRIOR TO FABRICATION OF THE REINFORCING STEEL. DETAIL IN ACCORDANCE WITH THE LATEST ACI DETAILING MANUAL.

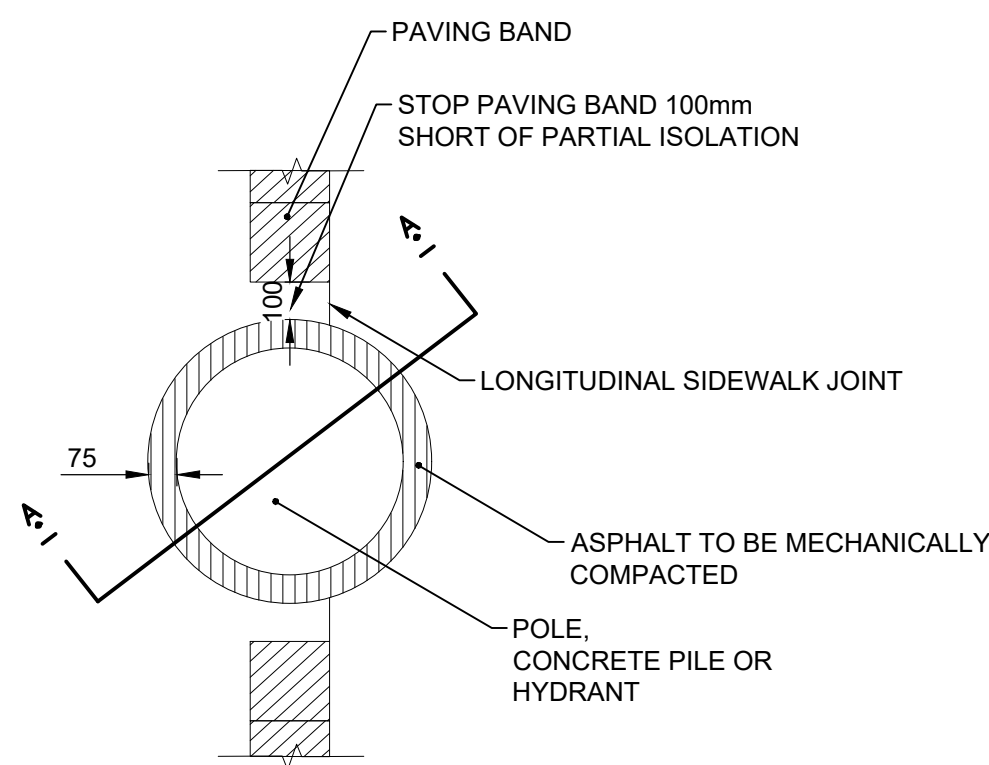
- CONCRETE NOTES:
15. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH CAN3-A23.1-M90 - CONCRETE CONSTRUCTION.
 16. PROPORTION NORMAL DENSITY CONCRETE IN ACCORDANCE WITH CAN-A23.1-M90. REFER TO SPECIFICATION FOR DESIGN MIXES.
 17. CONSTRUCT FORMWORK, SHORING AND BRACING TO MEET DESIGN, CODE AND CAN3-A23.1-M90 REQUIREMENTS, ACCURATELY, SO THAT RESULTANT FINISHED CONCRETE CONFORMS TO SHAPES, LINES AND DIMENSIONS INDICATED ON THE DRAWINGS.
 18. CONSTRUCTION JOINTS, OUR SCHEDULING AND WORK PROCEDURES SHALL BE DISCUSSED WITH THE CONTRACT ADMINISTRATOR PRIOR TO COMMENCING CONSTRUCTION.
 19. FOR COLD WEATHER CONCRETING, ALL ICE, SNOW AND FROST SHALL BE REMOVED FROM FORMWORK AND THE TEMPERATURES OF ALL CONTRACT SURFACES SHALL BE RAISED ABOVE 10°C FOR 24 HOURS PRIOR TO CASTING CONCRETE SHALL BE NOT LESS THAN 20C NOR MORE THAN 5C FOR AN ADDITIONAL 4 DAYS.
 20. NOTIFY THE CONTRACT ADMINISTRATOR 48 HOURS PRIOR TO POURING CONCRETE.
 21. THREE CONCRETE TEST CYLINDERS AND ONE SLUMP TEST SHALL BE TAKEN FOR EVERY 75 CUBIC METERS OF EACH CLASS OF CONCRETE PLACED OR FOR EACH DAY OF CONCRETE PLACEMENT IF THE LATTER IS LESS THAN 75 CUBIC METERS. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH CAN3-A23.1-M90.

- ELECTRICAL NOTES:
22. POWER PEDESTALS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
 23. POWER PEDESTALS SHALL BE EQUIPPED WITH OVERLOAD PROTECTION FOR THE MAIN INCOMING FEEDER AND SECONDARY BREAKERS FOR THE SHELTERS ELECTRICAL LOADS.
 24. METERING IS NOT REQUIRED FOR THE PEDESTAL.



5 SIDEWALK PAVING BAND DETAIL

N.T.S.



4 SIDEWALK CROSS SECTION

N.T.S.

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 140/92 FOR DETAILS

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

150 WM	WATERMAIN	150 WM		HYDRO	
+	HYDRANT	+		M.T.S.	
⊗	VALVE	⊗		CONCRETE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		ASPHALT	
250 WWS	WASTE WATER SEWER	250 WWS		SIDEWALK	
●	MANHOLE	●		PROPERTY LINE	
■	CATCH BASIN	■	⊕	SURVEY BAR	⊕
▼	CURB INLET	▼			
+	JUNCTIONS	+			
+	CULVERT	+			
+	GAS	+			
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED

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.

B.M. ELEV.			
3	ISSUED FOR TENDER	21.09.02	ME
2	ISSUED FOR UGS	21.08.17	ME
1	ISSUED FOR REVIEW	21.07.30	ME
NO.	REVISIONS	YY.MM.DD	BY

		Stantec	
500 - 311 Portage Avenue, Winnipeg M8 Canada R3B 2B9 Tel. 204.489.5900 Fax. 204.453.9012 www.stantec.com			
DESIGNED BY	M.E.	CHECKED BY	M.E.
DRAWN BY	A.M.	APPROVED BY	
HOR. SCALE: 1:200		RELEASED FOR CONSTRUCTION:	
VERTICAL:			
DATE	2021.09.02	DATE	

ENGINEER'S SEAL
PRELIMINARY DRAWING
NOT TO BE USED FOR CONSTRUCTION
CONSULTANT DRAWING NO. C-107

THE CITY OF WINNIPEG	SHEET 5 OF 5
HEATED TRANSIT SHELTERS SHELTER BASE DETAILS	CAD FILE DRAWING NUMBER
	CITY DRAWING NUMBER L4

1:200 0 2 6 10m



Certificate of Authorization
Stantec Consulting Ltd.
No. 1301