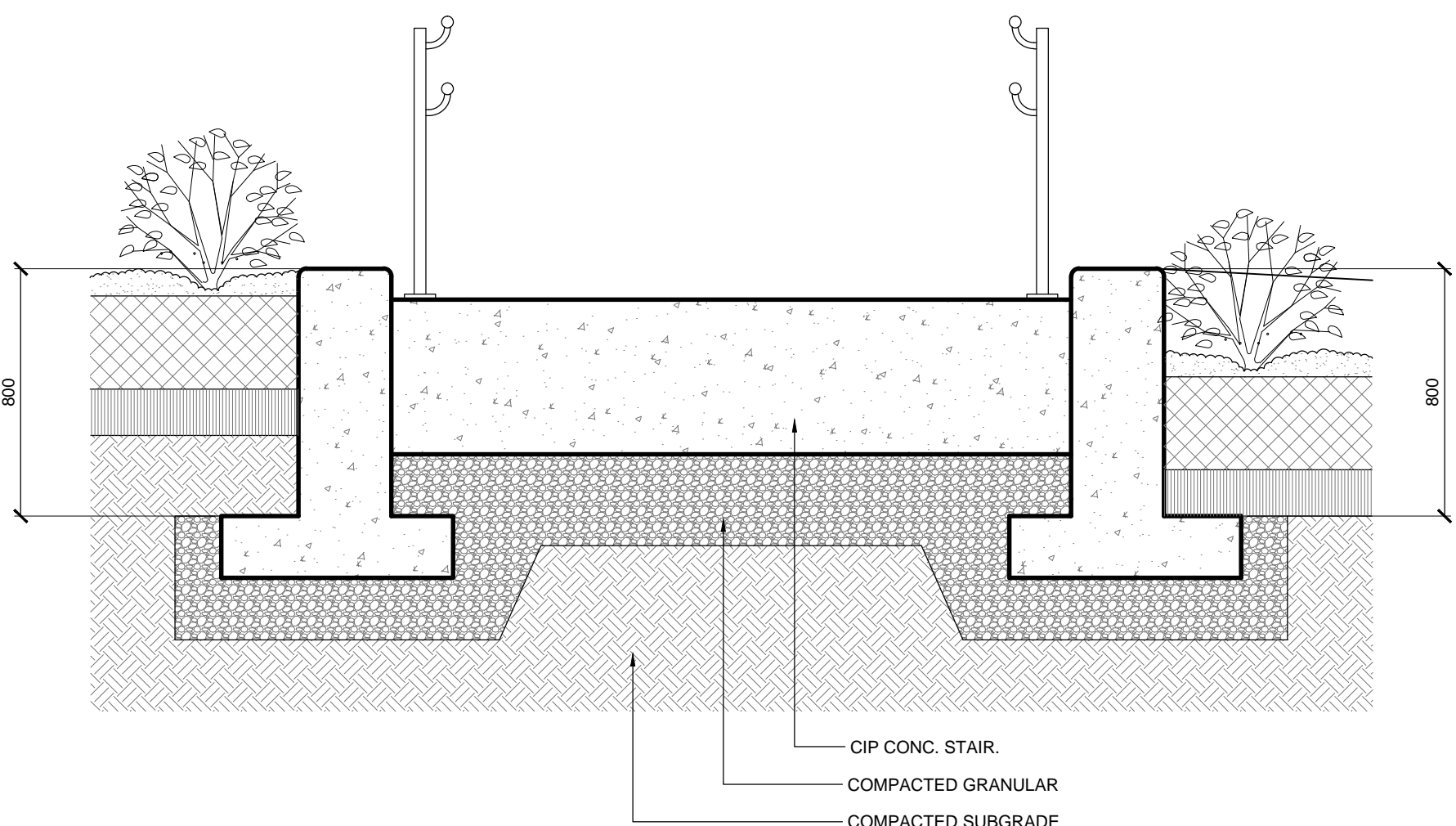
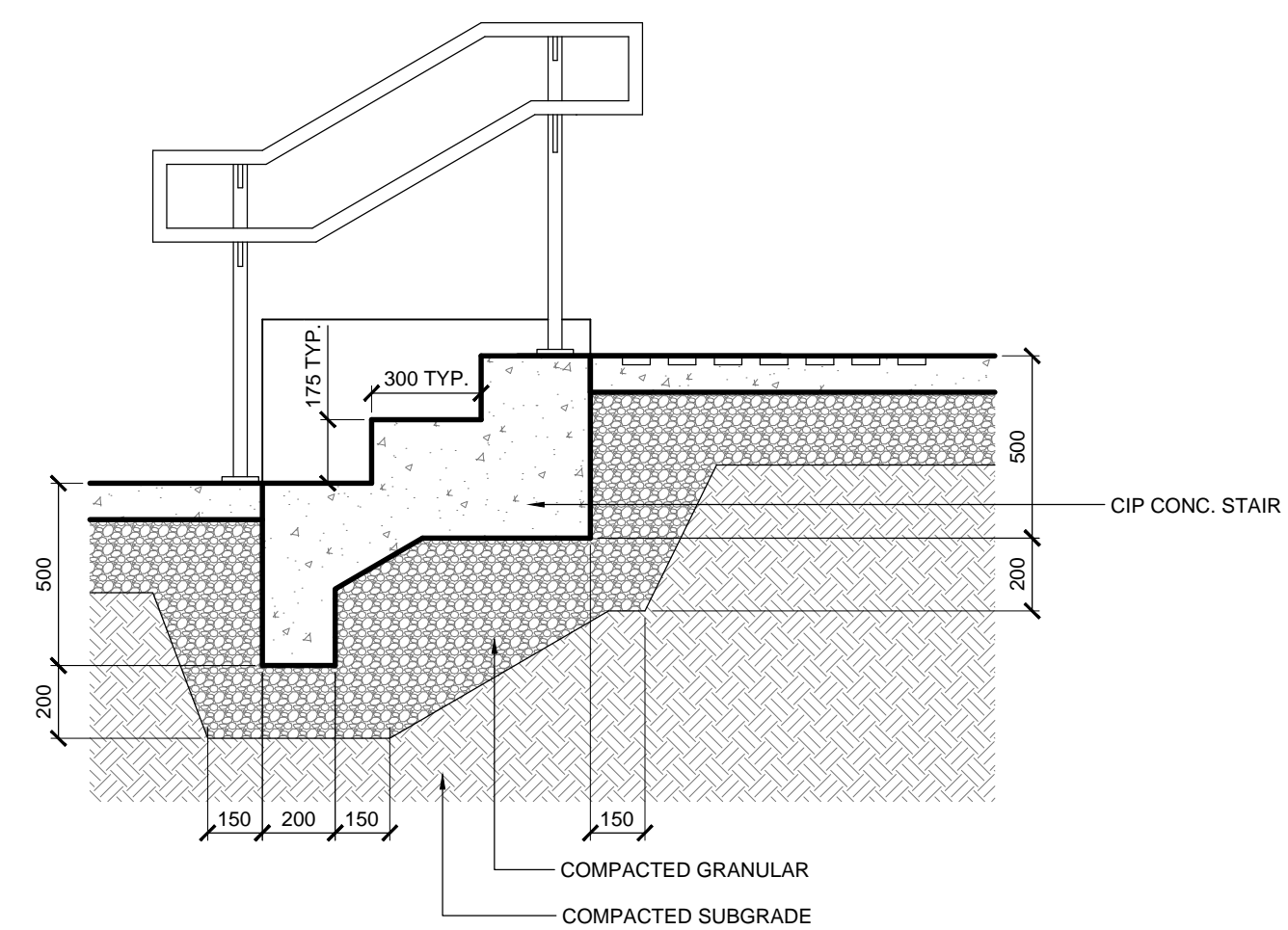


1 PLAN
S1.3 SCALE 1:20



1 STAIR - SECTION A-A
S1.3 SCALE 1:20



2 STAIR - SECTION B-B
S1.3 SCALE 1:20

GENERAL NOTES:

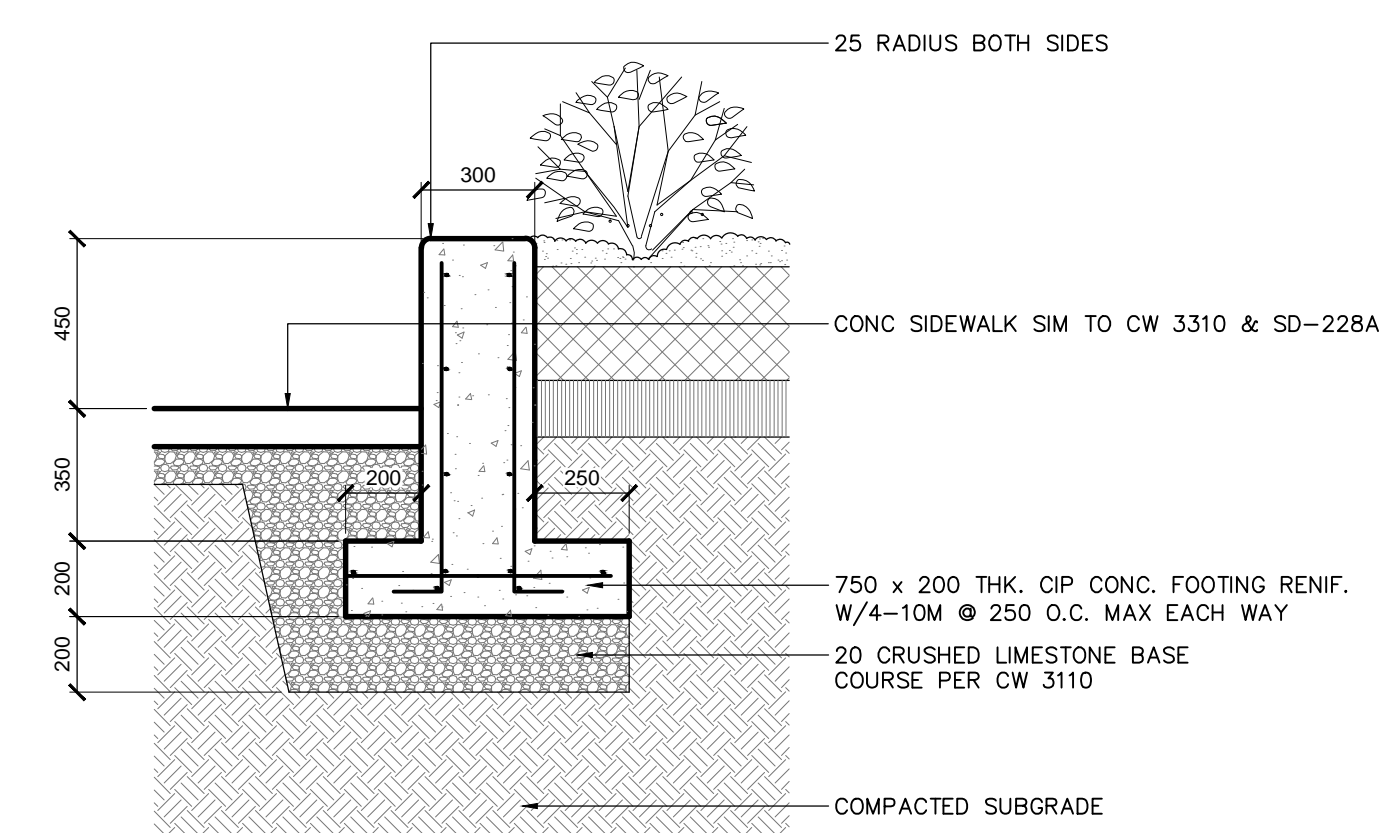
- DESIGN IS IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, 2005 EDITION PLUS 1998 MANITOBA AMENDMENTS. CONCRETE WALLS ARE DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN ACI 308 FOR WATERTIGHT STRUCTURES.

CAST IN PLACE CONCRETE:

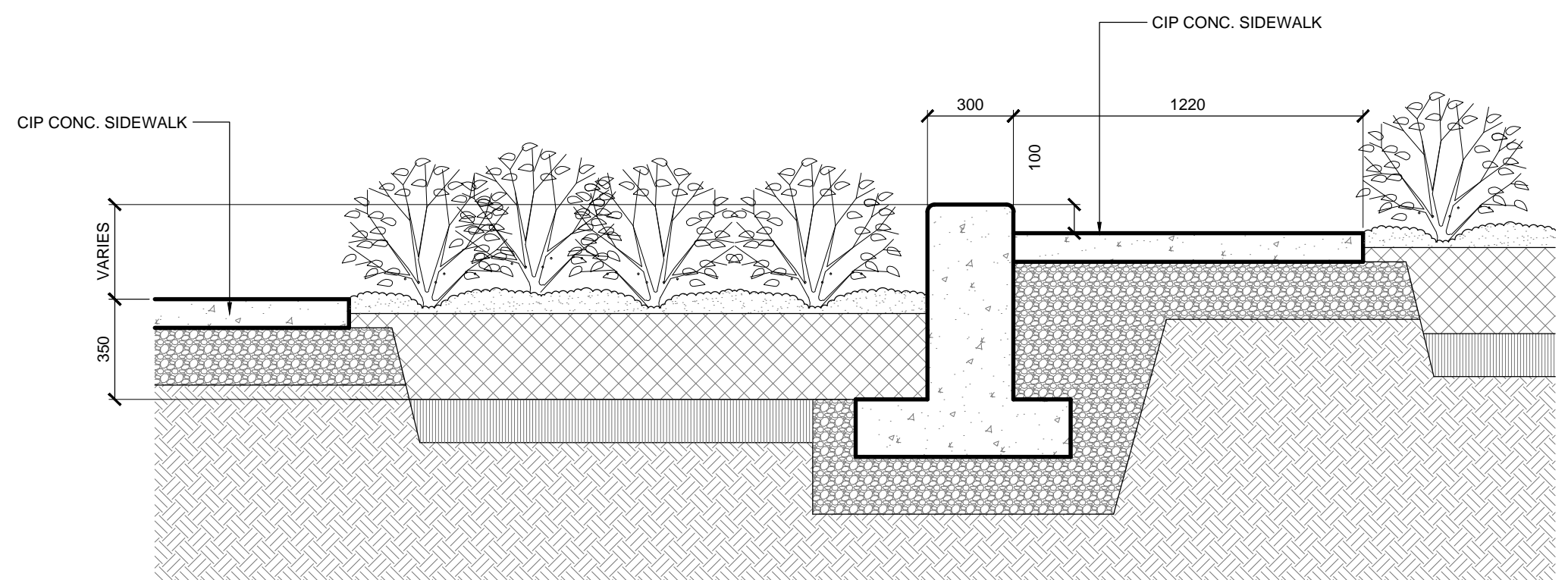
- TO BE READ IN CONJUNCTION WITH CW 2160 AND AS AMENDED IN ACCORDANCE WITH THESE NOTES.
- CONCRETE MIX WAS IN ACCORDANCE WITH ALTERNATIVE 1, AND POSSESSED THE FOLLOWING PROPERTIES:
 - CLASS OF EXPOSURE: S-1
 - MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: 35MPa
 - MAXIMUM SLUMP: 80mm \pm 20mm
 - AIR CONTENT: 5 - 8%
 - MAXIMUM WATER/CEMENT RATIO: 0.40
- CONCRETE COVER = 50mm.
- ALL EXTERIOR CORNERS CHAMFERED 20mm.

REINFORCING STEEL:

- TO BE READ IN CONJUNCTION WITH CW 2160 AND AS AMENDED IN ACCORDANCE WITH THESE NOTES.
- ALL REINFORCING STEEL CONFORMS TO CSA G30.18M, GRADE 400W.
- ALL CONCRETE REINFORCING WORK PERFORMED IN ACCORDANCE WITH CSA A23.1.
- LAPS AT LEAST 40 BAR DIAMETERS, REINFORCING SPLICES NOT INDICATED IN THE DRAWINGS LOCATED AT POINTS OF MINIMUM STRESS.
- BEFORE PLACING CONCRETE, REINFORCING WAS CLEAN, FREE OF LOOSE SCALE, DIRT OR OTHER FOREIGN MATTER THAT WOULD REDUCE OR PREVENT BOND TO THE CONCRETE.



4 CONC. RETAINING WALL - SECTION D-D
S3.1 SCALE 1:20



3 RAMP - SECTION C-C
S1.3 SCALE 1:20

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



LOCATIONS APPROVED UNDERGROUND STRUCTURES				G.B.M. - ELEV. -				DESIGNED BY JH/MM CHECKED BY MM				DRAWN BY JH/MS APPROVED BY MM				HOR. SCALE AS NOTED VERTICAL AS NOTED				RELEASED FOR CONSTRUCTION				CONSULTANT ACAD DWG. NO. S1.3				THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES DIVISION				CITY OF WINNIPEG NORTH EAST EXCHANGE DISTRICT ENGINEERING STUDY				CITY DRAWING NUMBER				BID NO. 742-2014			
SIGNED BY: _____ DATE: _____				_____				_____				_____				_____				_____				_____				_____				_____				_____				_____			
SUPV U/G STRUCTURES				_____				_____				_____				_____				_____				_____				_____				_____				_____				_____			
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 EXISTANCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING				_____				_____				_____				_____				_____				_____				_____				_____				_____				_____			
A				ISSUED FOR TENDER				07/08/14				MS				JUL 29/14				_____				_____				_____				_____				_____				_____			
NO.				REVISIONS				DATE				BY				DATE				DATE				DATE				DATE				DATE				DATE				DATE			

NOTE:
These design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract.