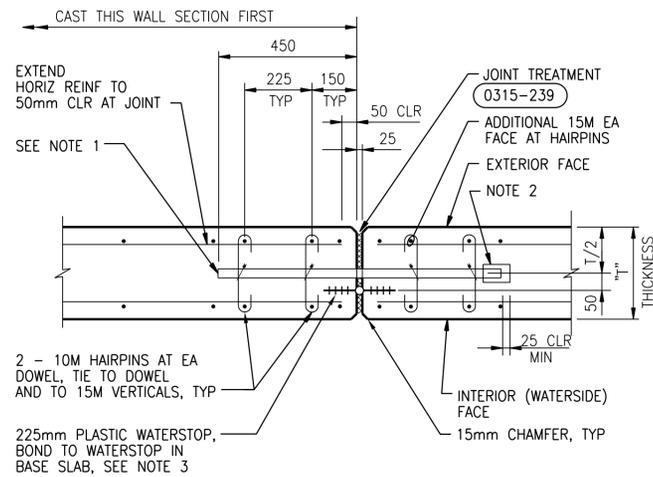
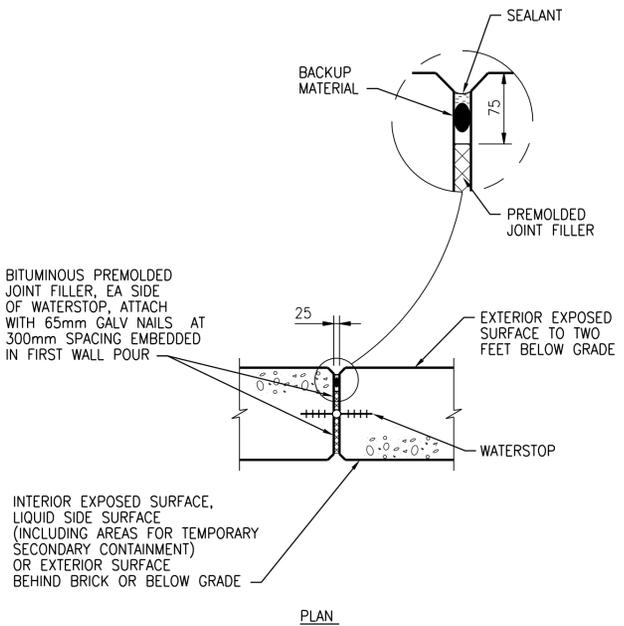


A1 SIZE - 594mm x 841mm

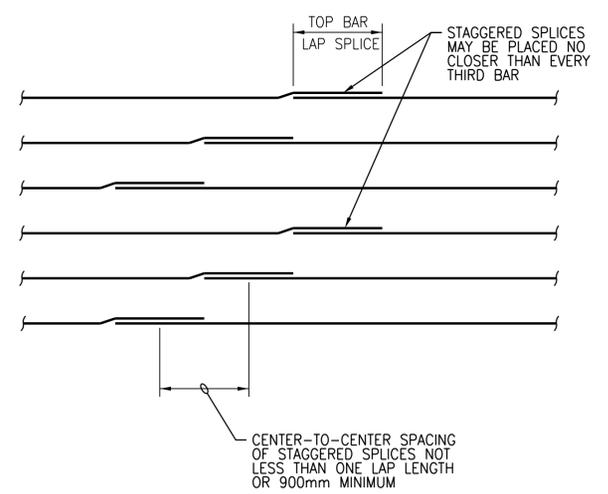


- NOTES:**
- 25mm DIA x 900mm SMOOTH COATED BAR DOWELS. LOCATE AT 300mm MAX FROM TOP AND 600mm FROM BOTTOM OF WALL AND AT 600mm MAX SPACING. ALIGN AND TIE-IN-PLACE TO REINF. COATING SHALL CONSIST OF A CORROSION RESISTANT COATING PLUS A LUBRICANT COATING AS SPECIFIED.
  - 25mm ID x 50mm PLASTIC CAP WITH 25mm POLYSTYRENE BETWEEN END OF DOWEL AND END CAP. TAPE TO BAR FOR WATERTIGHT SEAL.
  - BEND VERTICAL JOINT WATERSTOP OVER TO CENTERLINE OF WALL IN BOTTOM 600mm OF WALL, AND SPLICE TO WATERSTOP IN WALL BASE CONSTRUCTION JOINT. SEE 0315-012

**SLAB/WALL VERTICAL EXPANSION JOINT**  
NTS (0315-232)

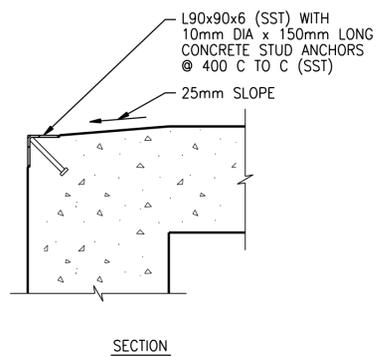


**WALL EXPANSION JOINT TREATMENT**  
NTS (0315-239)

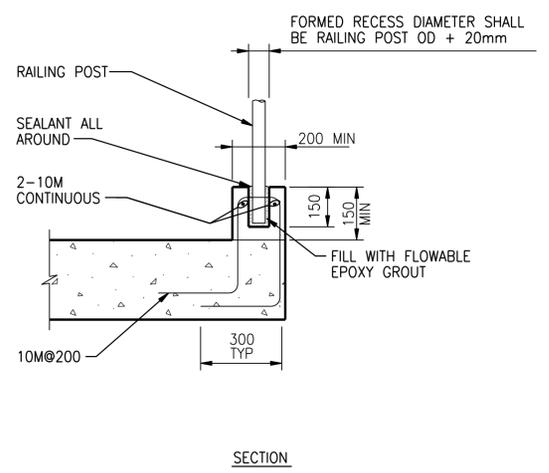


- NOTE:**
- VERTICAL BARS NOT SHOWN FOR CLARITY.
  - SPLICES AT EACH FACE OF WALL MAY OCCUR AT SAME LOCATION.

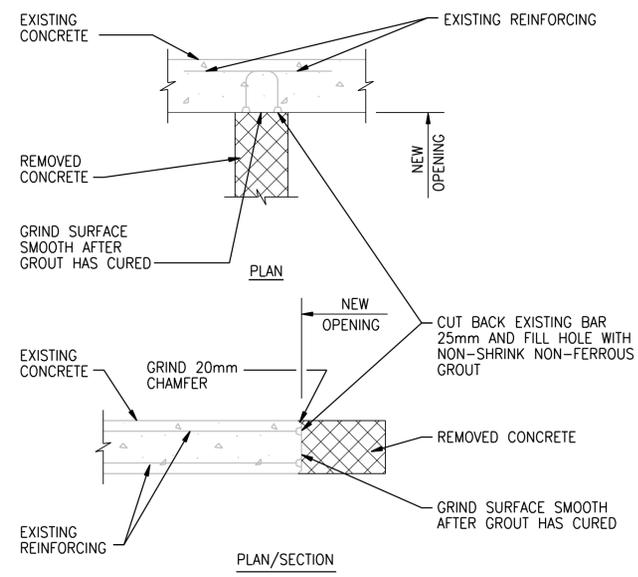
**CIRCULAR TANK HORIZONTAL WALL REINFORCING STAGGERED SPLICES**  
NTS (0330-824)



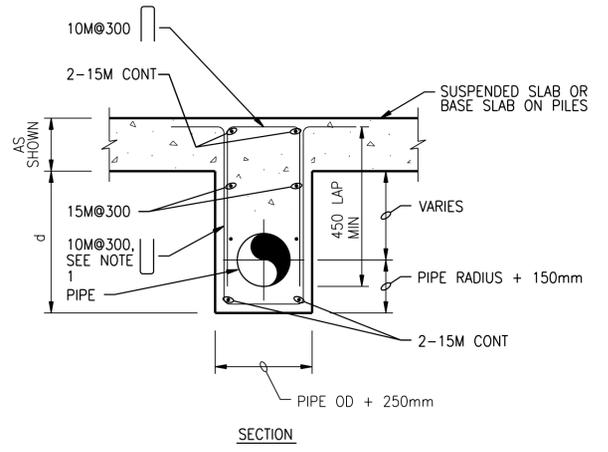
**CONCRETE EDGE PROTECTOR**  
NTS (0330-807)



**RAILING POST SET IN CURB**  
NTS (0330-809)



**NEW OPENINGS IN EXISTING WALLS AND SLABS**  
NTS (0330-817)



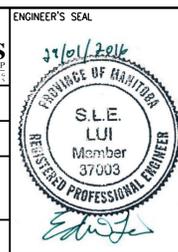
- NOTES:**
- IF  $d < 600$  BEND BOTTOM U-BARS TO FORM 15M@300 HORIZONTAL IN ONE LAYER DELETE TOP U-BAR.
  - IF  $d > 600$  DETAIL AS SHOWN WITH U-BARS ON TOP AND BOTTOM.

**REINFORCED CONCRETE PIPE ENCASEMENT**  
NTS (0330-820)



NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER - B.O. 899-2015	01/2015	G.O.	J.C.

**CH2MHILL**  
SNC-LAVALIN  
DESIGNED BY: J. THANNICKAL  
CHECKED BY: E. LUI  
DRAWN BY: G. OMORI  
APPROVED BY: H.T. FREIHAMMER  
SCALE: NTS  
ISSUED FOR CONSTRUCTION BY: T. TURZAK  
DATE: 2016/01/19  
DATE: 2016/01/29  
CONSULTANT NO.: 474248



**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT  
SOUTH END WATER POLLUTION CONTROL CENTRE  
SEWPPCC UPGRADING/EXPANSION PROJECT  
STRUCTURAL  
STANDARD DETAILS (13)  
CITY DRAWING NUMBER: 1-0102-SDTL-A014  
SHEET: 00  
REV: A1  
SIZE: A1

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