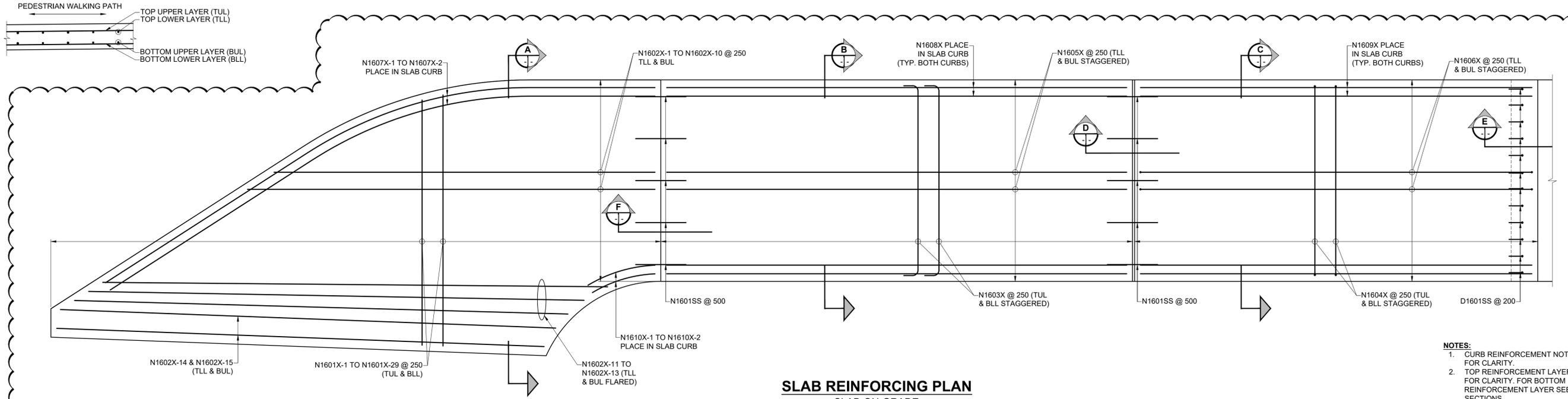
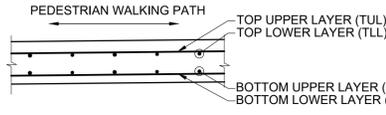


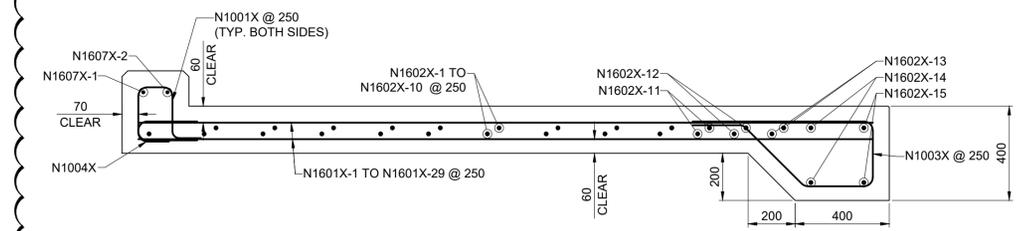
ISO A1 - 594mm x 841mm  
 O:\Winipeg\Proj\W160034\Drawings\06 Sheets\Detailed Design\Structural\Pedestrian Ramps\W160034 - DD NR BRG & SLAB ON GRADE.dwg  
 Last Saved: 10/05/2018 3:44 PM by: A.Heggen  
 Printed: 10/05/2018 4:08 PM by: Alex Heggen

**SLAB-ON-GRADE REINFORCEMENT LAYERS**

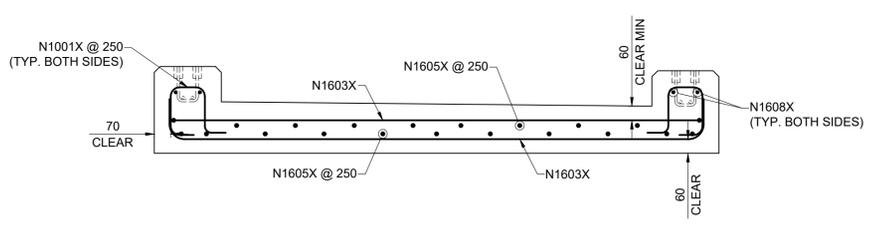


**SLAB REINFORCING PLAN**  
 SLAB-ON-GRADE  
 SCALE: 1:25

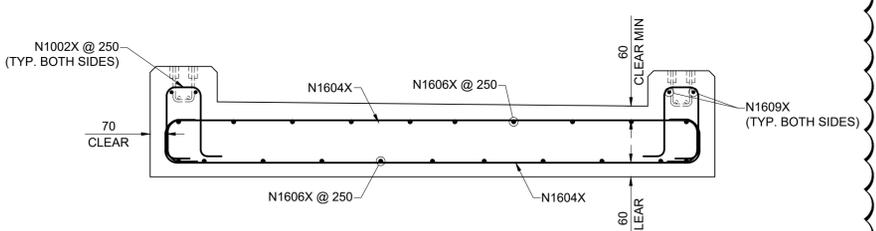
- NOTES:**
- CURB REINFORCEMENT NOT SHOWN IN PLAN FOR CLARITY.
  - TOP REINFORCEMENT LAYER ONLY SHOWN FOR CLARITY. FOR BOTTOM REINFORCEMENT LAYER SEE CROSS SECTIONS.



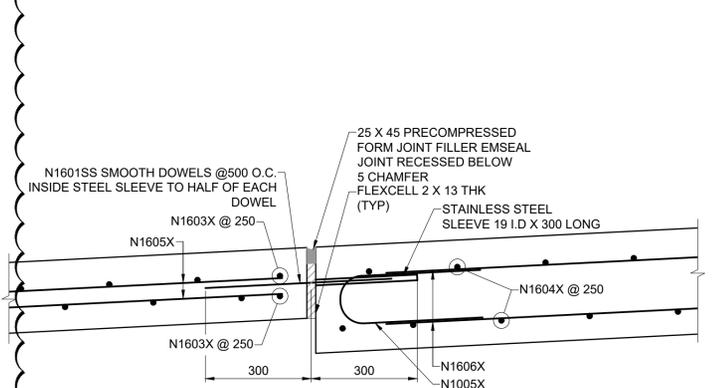
**SECTION A**  
 SLAB LANDING REINFORCEMENT  
 SCALE: 1:15



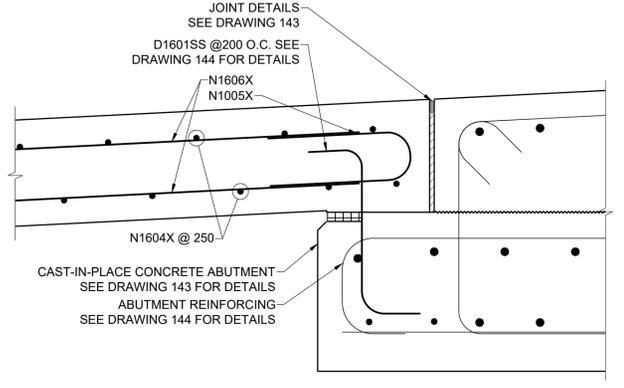
**SECTION B**  
 SLAB REINFORCEMENT  
 SCALE: 1:15



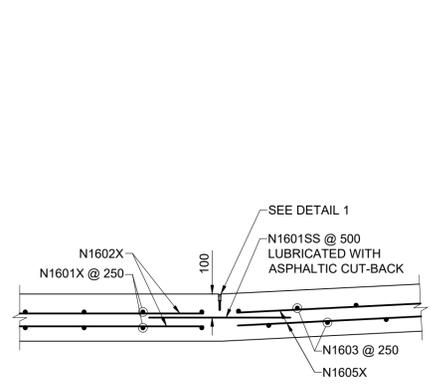
**SECTION C**  
 SLAB REINFORCEMENT  
 SCALE: 1:15



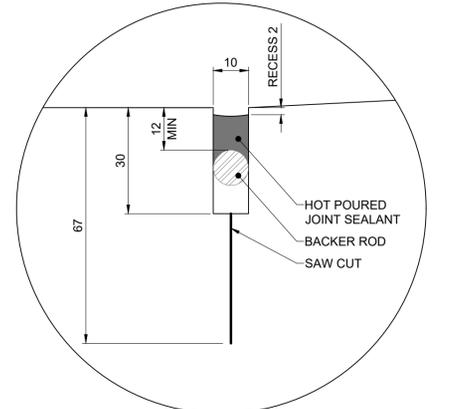
**SECTION D**  
 SLAB CONTROL JOINT  
 SCALE: 1:10



**SECTION E**  
 SLAB AND ABUTMENT CONNECTION  
 SCALE: 1:10



**SECTION F**  
 SAWN LONGITUDINAL JOINT  
 SCALE: 1:15



**DETAIL 1**  
 SAWN JOINT DETAIL SD-212 AT MAX 2m INTERVALS  
 SCALE: NTS

BID OPPORTUNITY No. 602-2018



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

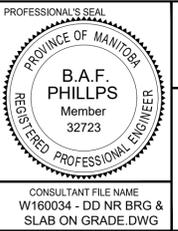
**LOCATION APPROVED**  
 UNDERGROUND STRUCTURES

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.

NO.	REVISIONS	DATE	BY
C	ISSUED FOR ADDENDUM 1	18/10/05	BAP
B	ISSUED FOR TENDER	18/08/31	BAP
A	ISSUED FOR 95% DESIGN REVIEW	18/08/07	BAP

<b>MORRISON HERSHFIELD</b>	
DESIGNED BY: YM	CHECKED BY: BAP
DRAWN BY: ALP	APPROVED BY: BAP
HOR SCALE: AS SHOWN	RELEASED FOR CONSTRUCTION
VERT SCALE: AS SHOWN	N/A
DATE: _____	DATE: _____



**THE CITY OF WINNIPEG**  
 PUBLIC WORKS DEPARTMENT  
 ENGINEERING DIVISION

**EMPRESS STREET PROJECT**  
 PEDESTRIAN ACCESSIBILITY RAMPS  
 NORTH RAMP  
 SLAB ON GRADE REINFORCEMENT DETAILS

CITY DRAWING NUMBER	P-3494-149
SHEET	149 OF 169
DRAWING No.	REV
	149 C