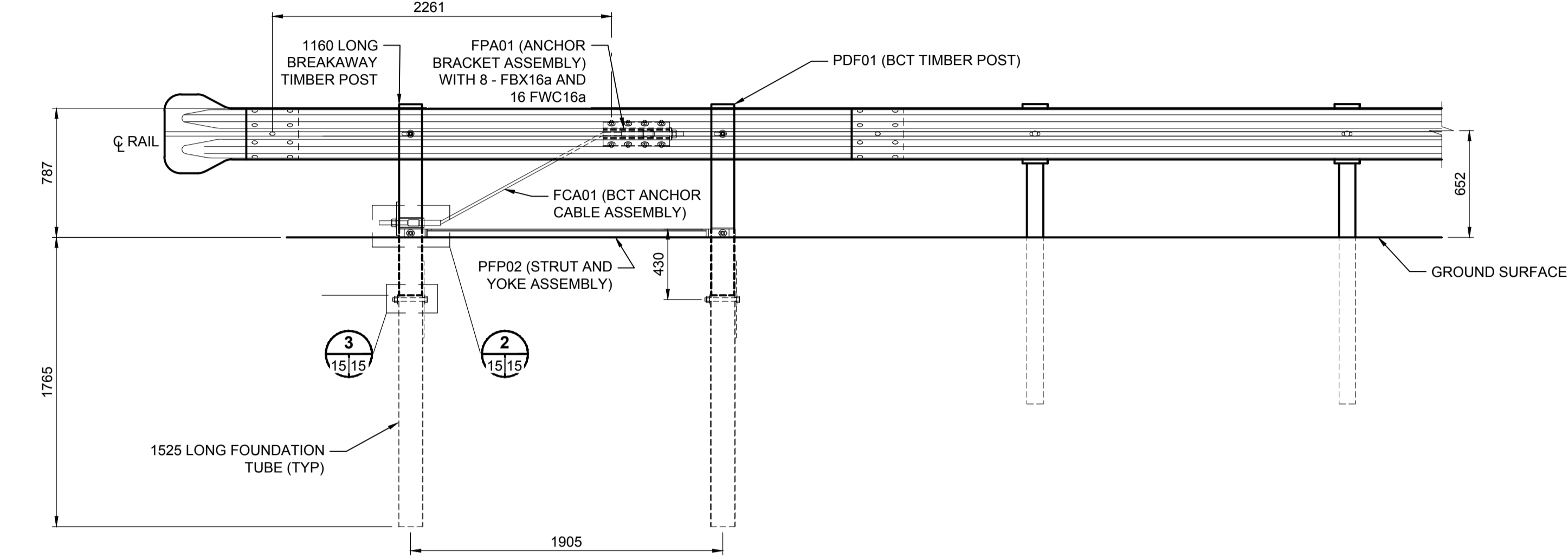
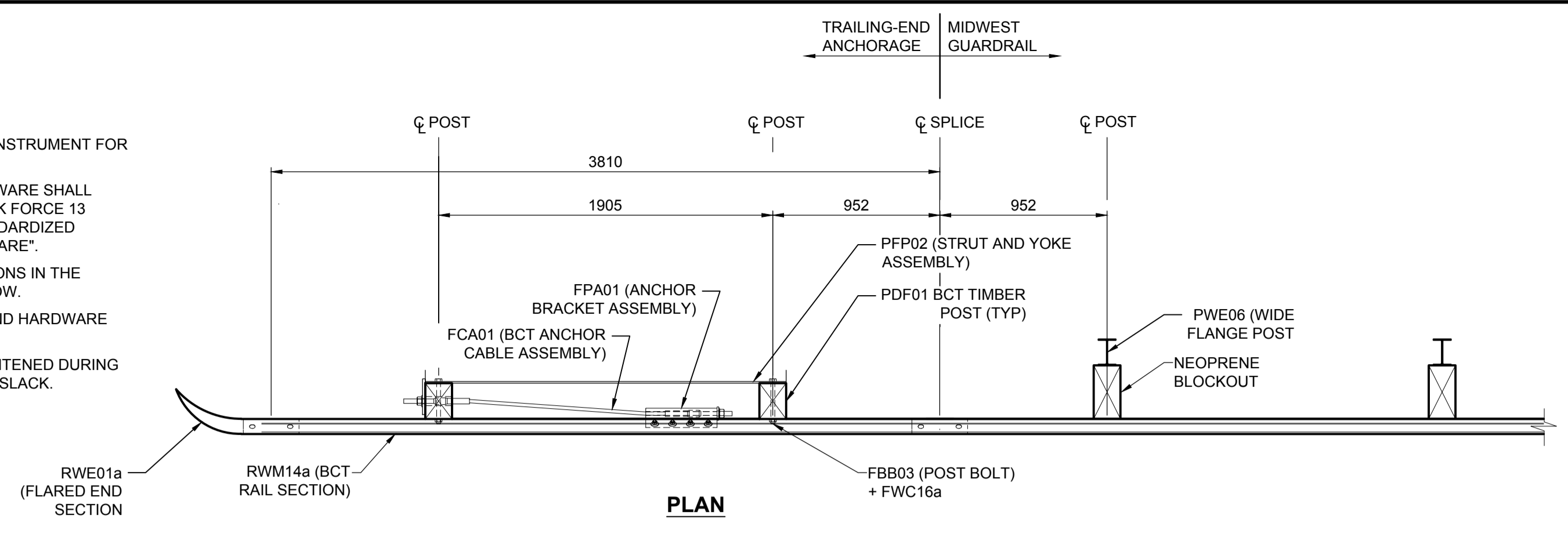
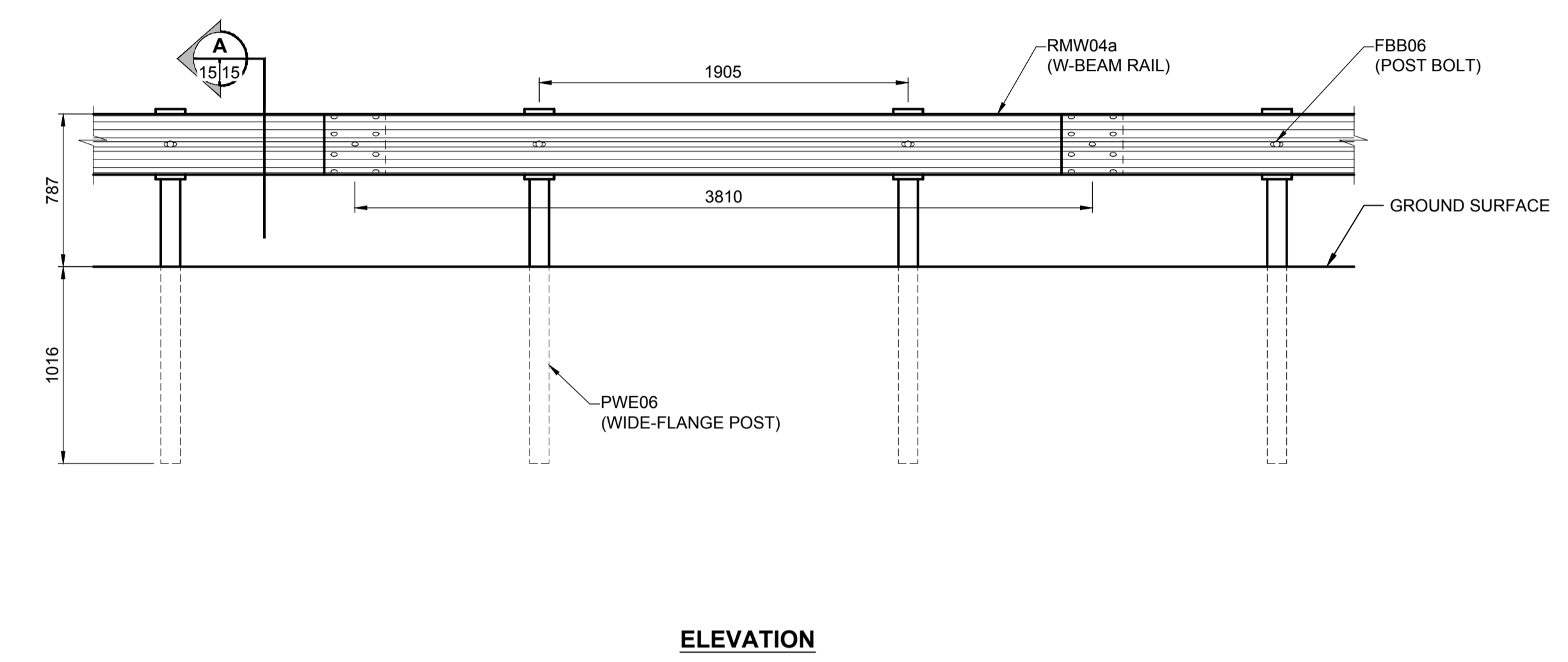
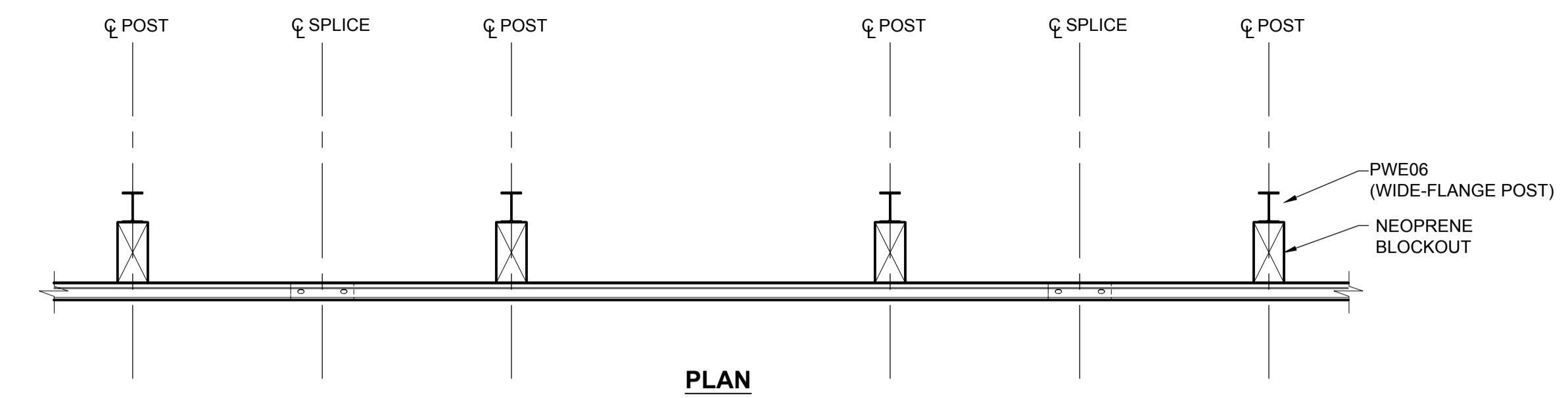


ISO A1 - 594mm x 841mm  
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 Last Saved: 9/13/2017 10:35 AM by mshabbir  
 Plotted: 9/13/2017 2:18 PM by Dave Lane

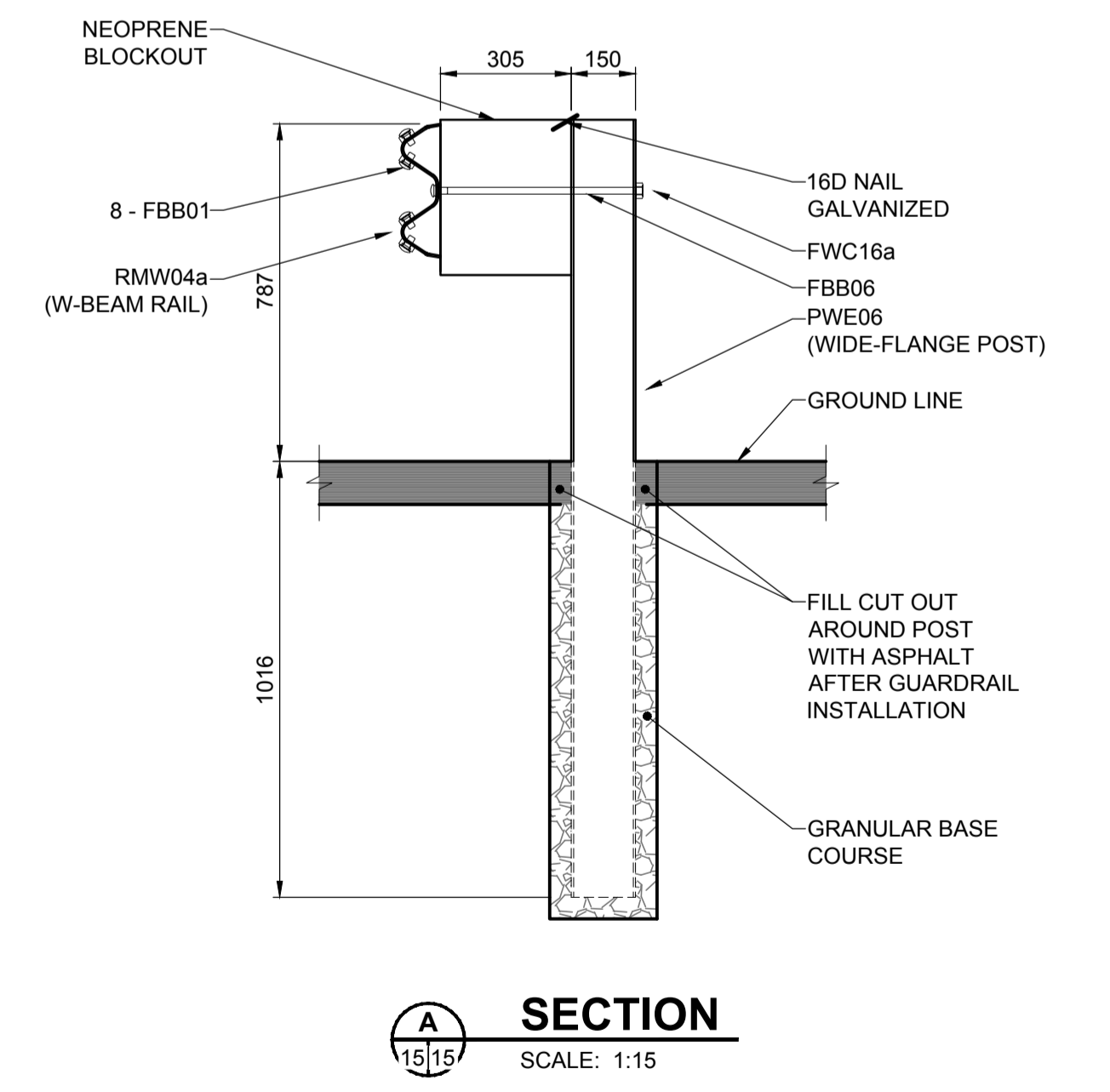
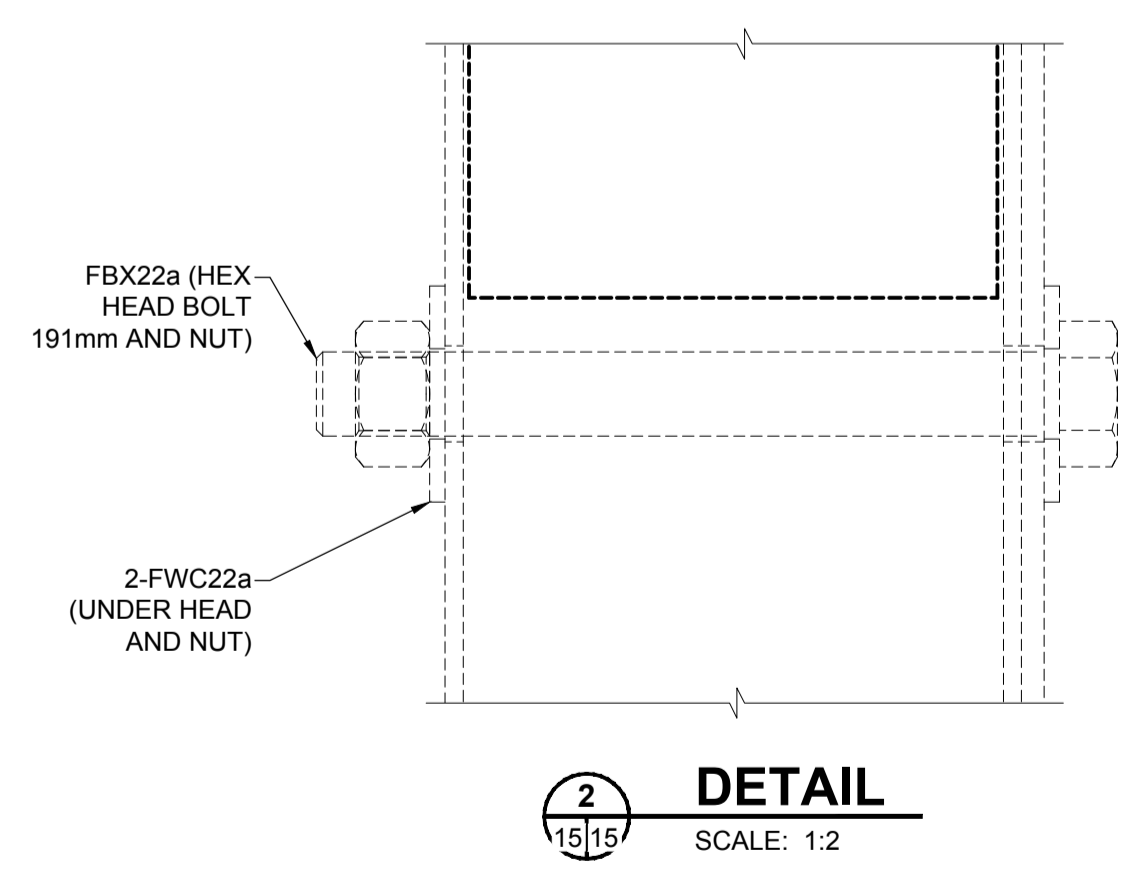
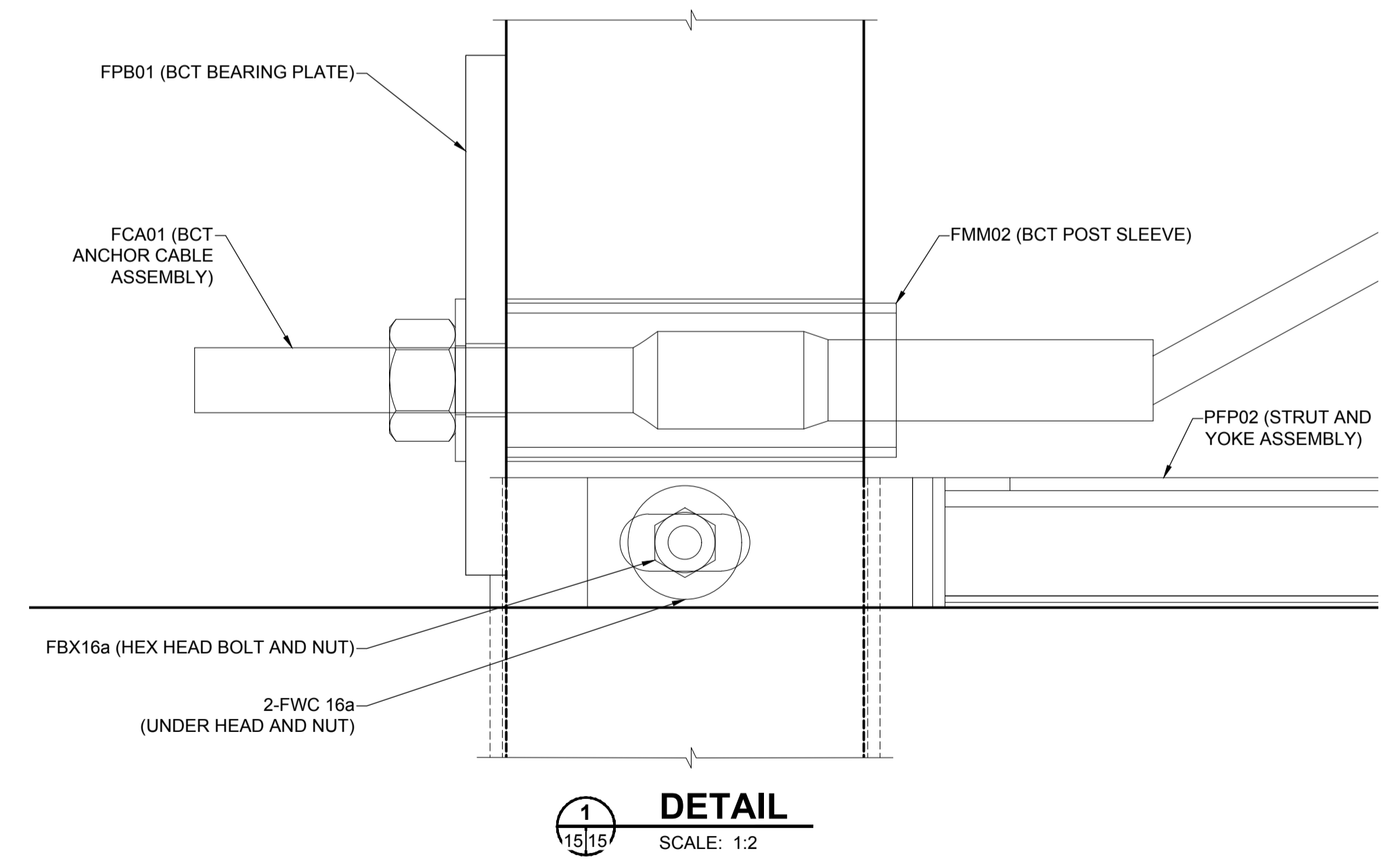
- NOTES:**
- POSTS ARE TO BE SET BY INSTRUMENT FOR ALIGNMENT AND GRADE.
  - BCT CABLE ANCHOR HARDWARE SHALL CONFORM TO AASHTO TASK FORCE 13 REPORT "A GUIDE TO STANDARDIZED HIGHWAY BARRIER HARDWARE".
  - LAP ALL GUARDRAIL SECTIONS IN THE DIRECTION OF TRAFFIC FLOW.
  - ALL REQUIRED FITTINGS AND HARDWARE SHALL BE GALVANIZED.
  - CABLE ANCHOR TO BE TIGHTENED DURING INSTALLATION TO REMOVE SLACK.



**TRAILING-END ANCHORAGE SYSTEM**  
 1:25



**MIDWEST W-BEAM GUARDRAIL SYSTEM**  
 1:25



**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
0	ISSUED FOR TENDER	17/09/15	JGK

<b>MORRISON HERSHFIELD</b>	
DESIGNED BY: JGK	CHECKED BY: DAN
DRAWN BY: MS	APPROVED BY: SAL
HOR SCALE: AS SHOWN	RELEASED FOR CONSTRUCTION
VERT SCALE: AS SHOWN	DATE: _____



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

**RUE DES TRAPPISTES AT WESTENDORF COULEE CULVERT REPLACEMENT AND ROAD RECONSTRUCTION**

**GUARDRAIL STANDARD DETAILS**

CITY DRAWING NUMBER: C372-17-15  
 SHEET 15 OF 22  
 DRAWING No. 15  
 REV 0

BID OPPORTUNITY No. 698-2017