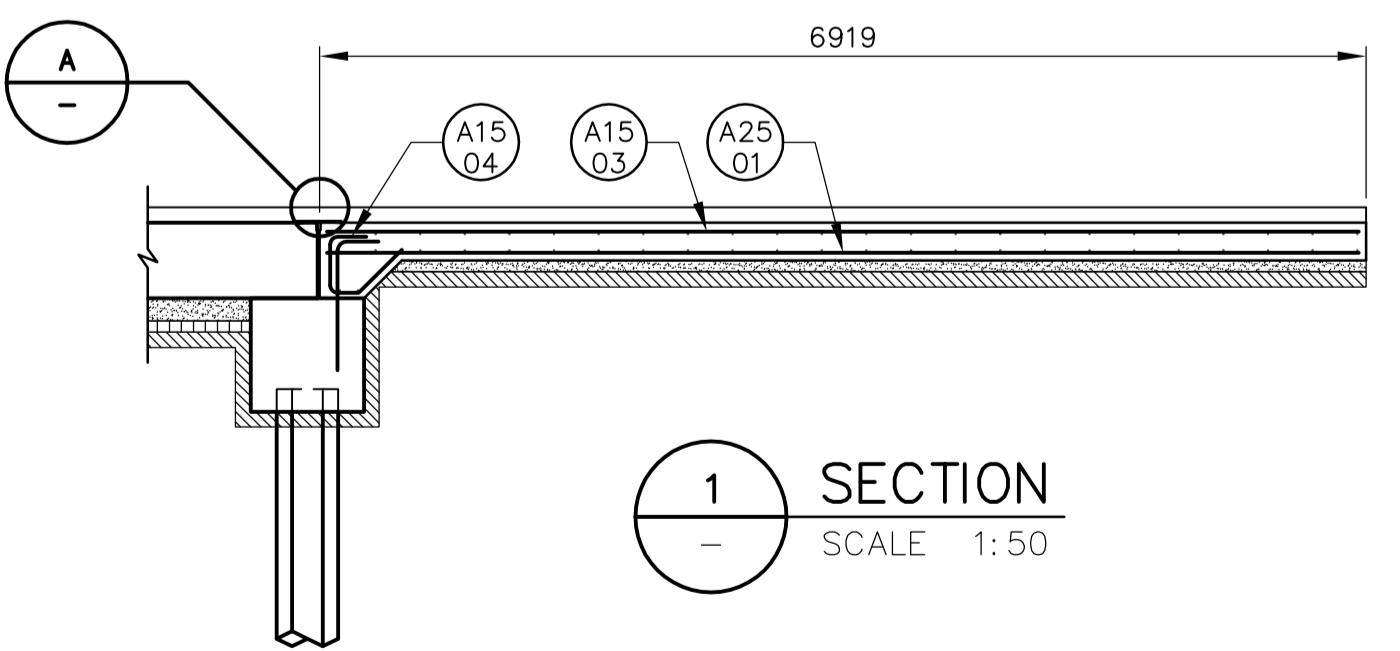
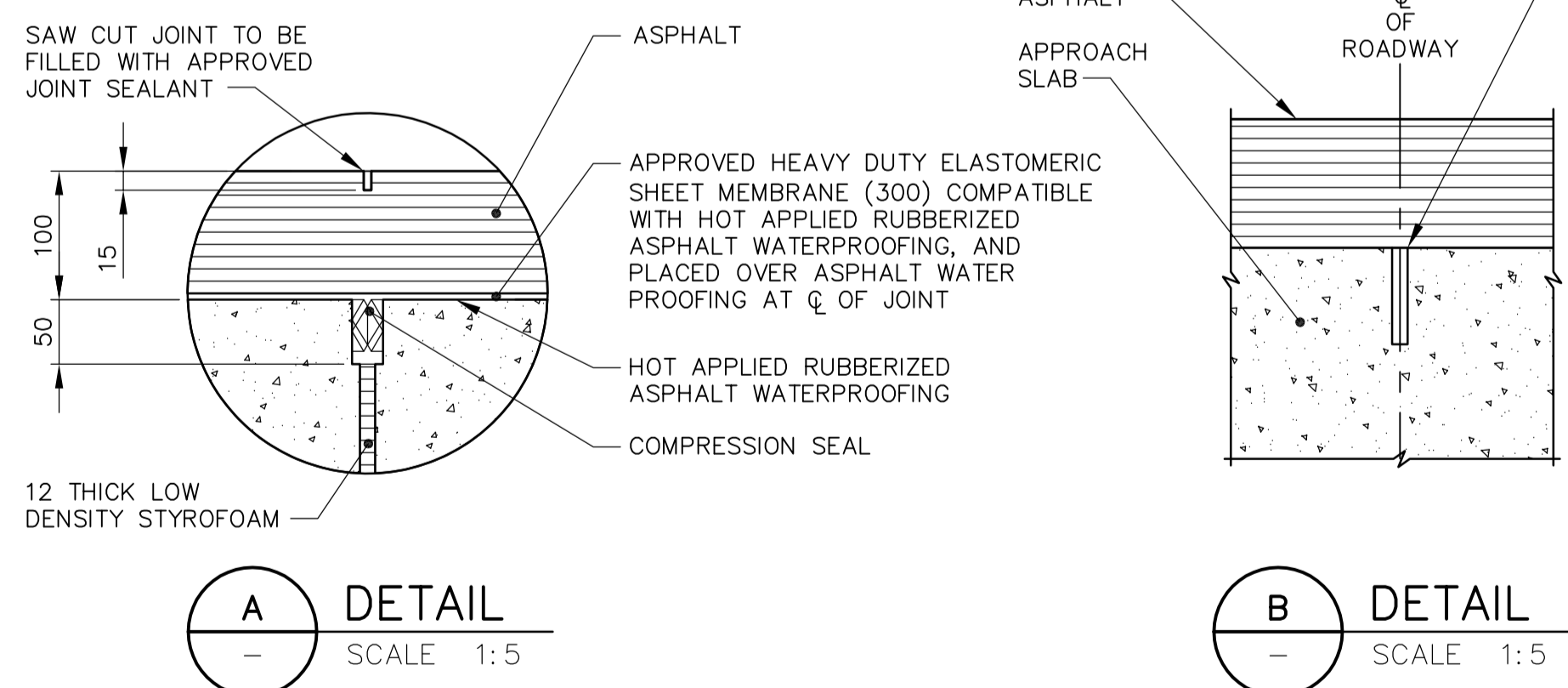


**NORTH APPROACH**  
SCALE 1:50

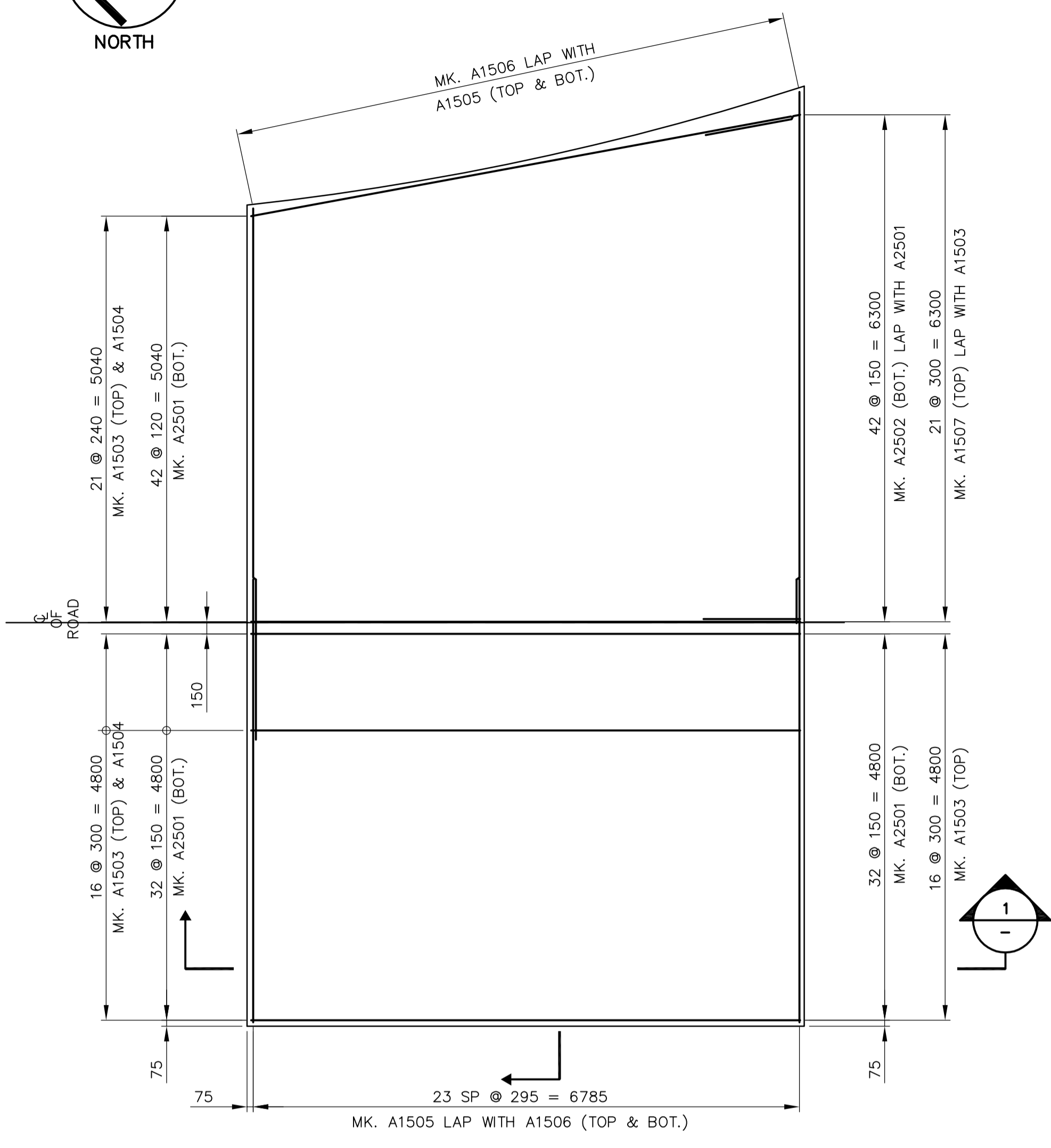


**1 SECTION**  
SCALE 1:50



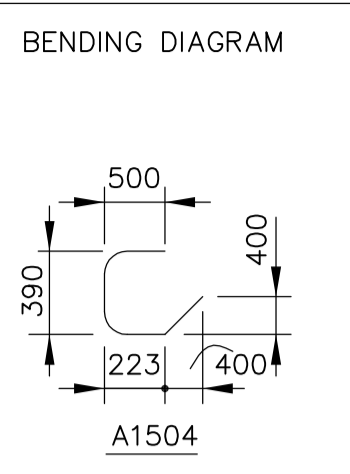
**A DETAIL**  
SCALE 1:5

**B DETAIL**  
SCALE 1:5

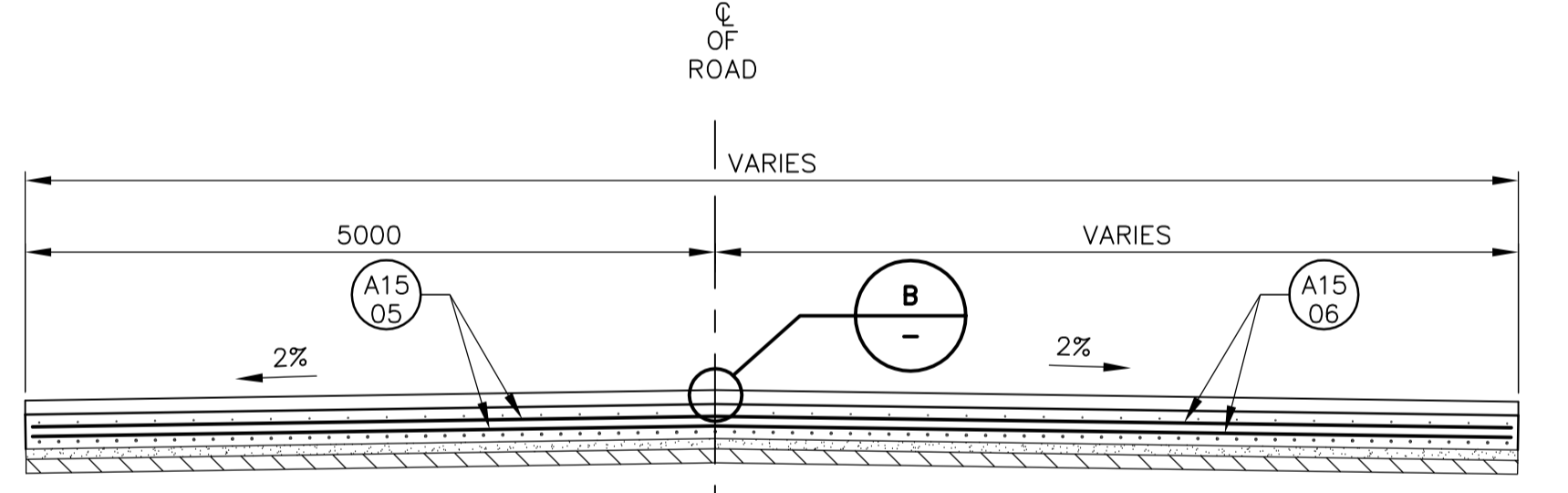


**SOUTH APPROACH**  
SCALE 1:50

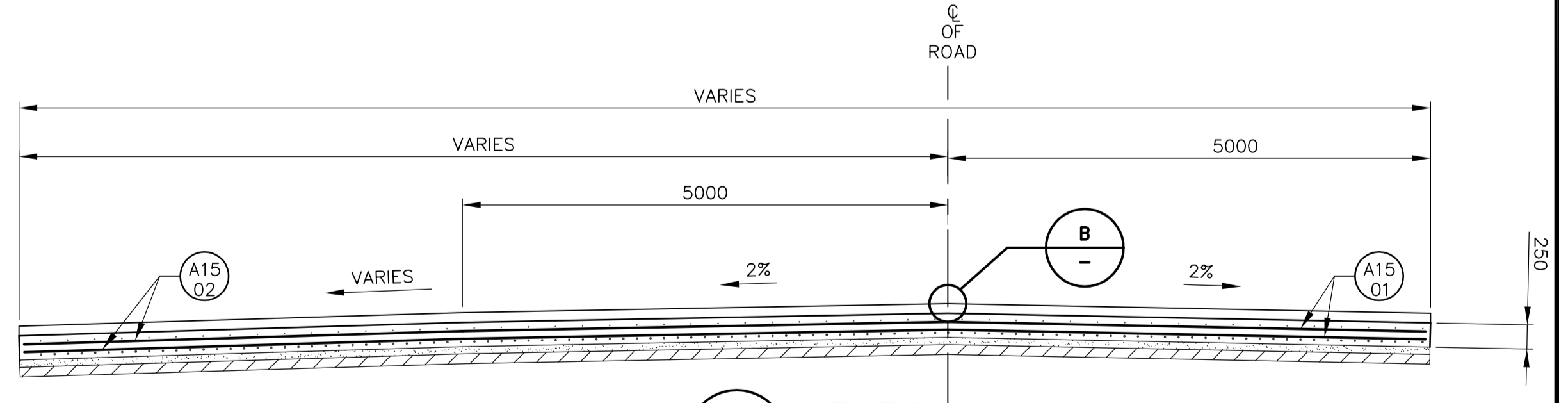
| BILL OF REINFORCING STEEL FOR BOTH APPROACH          |     |        |           |       |     |        |                      |
|--|-----|--------|-----------|-------|-----|--------|----------------------|
| STRAIGHT BARS  |     |        | BENT BARS |       |     |        |                      |
| MK.  | No. | LENGTH | MASS      | MK.   | No. | LENGTH | MASS                 |
| A1501  | 48  | 5500   | 414       | A1504 | 92  | 1675   | 163                  |
| A1502  | 48  | 9600   | 723       |       |     |        |                      |
| A1503  | 78  | 6820   | 834       |       |     |        |                      |
| A1505  | 48  | 5500   | 414       |       |     |        |                      |
| A1506  | 48  | 6750   | 508       |       |     |        |                      |
| A1507  | 39  | 700    | 43        |       |     |        |                      |
| A1508  | 19  | 3820   | 114       |       |     |        |                      |
| A1509  | 10  | 3900   | 61        |       |     |        |                      |
| A1510  | 9   | 2300   | 32        |       |     |        |                      |
| A2501  | 142 | 6820   | 3796      |       |     |        |                      |
| A2502  | 76  | 1200   | 358       |       |     |        |                      |
| A2503  | 37  | 3820   | 554       |       |     |        |                      |
| A2504  | 19  | 4200   | 313       |       |     |        |                      |
| A2505  | 18  | 2600   | 183       |       |     |        |                      |
| TOTAL MASS OF REINFORCING STEEL                      |     |        |           |       |     |        | 8510 kg              |
| TOTAL VOLUME OF STRUCTURAL CONCRETE (APPROACH SLABS) |     |        |           |       |     |        | 42.56 m <sup>3</sup> |



- NOTES:**
- ALL DIMENSIONS GIVEN ARE OUT TO OUT, EXCEPT RADII ARE INSIDE DIMENSIONS.
  - ALL REINFORCING STEEL SHALL BE DEFORMED REINFORCING, UNLESS NOTED OTHERWISE IN THE ABOVE BILL OF REINFORCING STEEL.
  - ALL REINFORCING STEEL SHALL CONFORM TO CAN/CSA G30.16-M92 GRADE 400W UNLESS NOTED OTHERWISE IN THE ABOVE BILL OF REINFORCING STEEL.
  - LIKE BARS SHALL BE BUNDLED, SECURELY TIED AND IDENTIFIED AS TO MARK AND SITE No. BY APPROPRIATE MEANS. ALL OTHER ITEMS SHALL BE IDENTIFIED IN A SIMILAR FASHION.



**2 SECTION**  
SCALE 1:50



**3 SECTION**  
SCALE 1:50

|   |   |  |  |   |   |                         |
|---|---|--|--|---|---|-------------------------|
| <p>Certificate of Authorization<br/>Earth Tech Canada Inc.<br/>No. 730 Expiry: April 30, 2006</p> | <p>Frederickson Cooper<br/>ARCHITECTS</p>                                       | <p>A Terra International Ltd. Company</p>  | <p>PROVINCE OF MANITOBA<br/>REGISTERED PROFESSIONAL ENGINEER<br/>E. B. LOEWEN<br/>Member 8325<br/>06/02/06</p> | <p>THE CITY OF WINNIPEG<br/>WATER AND WASTE DEPARTMENT<br/>ENGINEERING DIVISION</p> | <p>WATER TREATMENT PLANT<br/>AQUEDUCT BRIDGES<br/>FOUNDATIONS &amp; CONCRETE STRUCTURES</p> | <p>CITY FILE NUMBER</p> |
|   | <p>DESIGNED BY: AP</p> <p>DRAWN BY: KC</p> <p>SCALE: AS NOTED</p> <p>NO. 00</p> | <p>CHECKED BY: EBL</p> <p>APPROVED BY: D.J. TANIGUCHI</p> <p>RELEASED FOR CONSTRUCTION BY: R. SOROKOWSKI</p> <p>DATE</p> | <p>CONSULTANT DRAWING NO.<br/>WN-S0483</p>   | <p>STRUCTURAL<br/>MIDDLE BRIDGE<br/>APPROACH SLAB DETAILS</p>                       | <p>SHEET 5 OF 7</p> <p>CITY DRAWING NUMBER<br/>1-060N-A-S0483-001-00D</p>                   |                         |