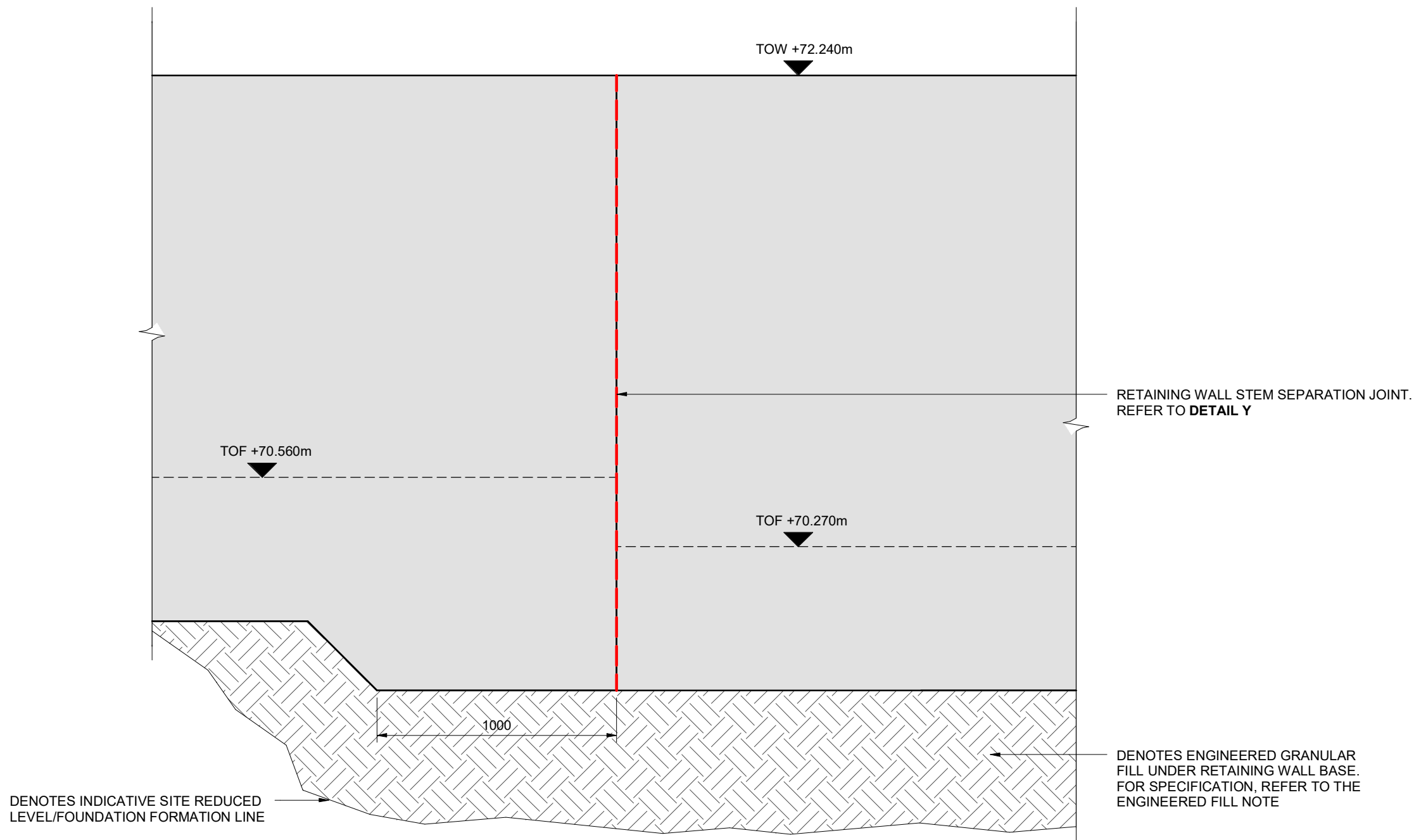
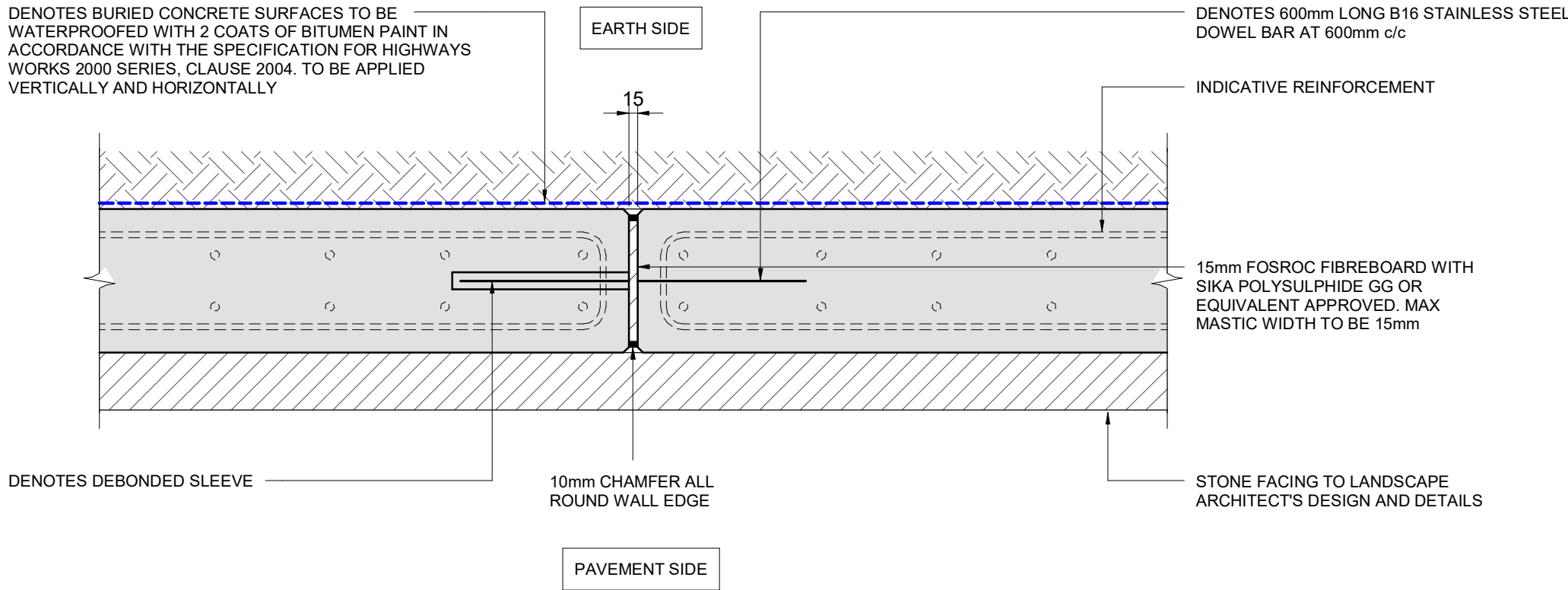




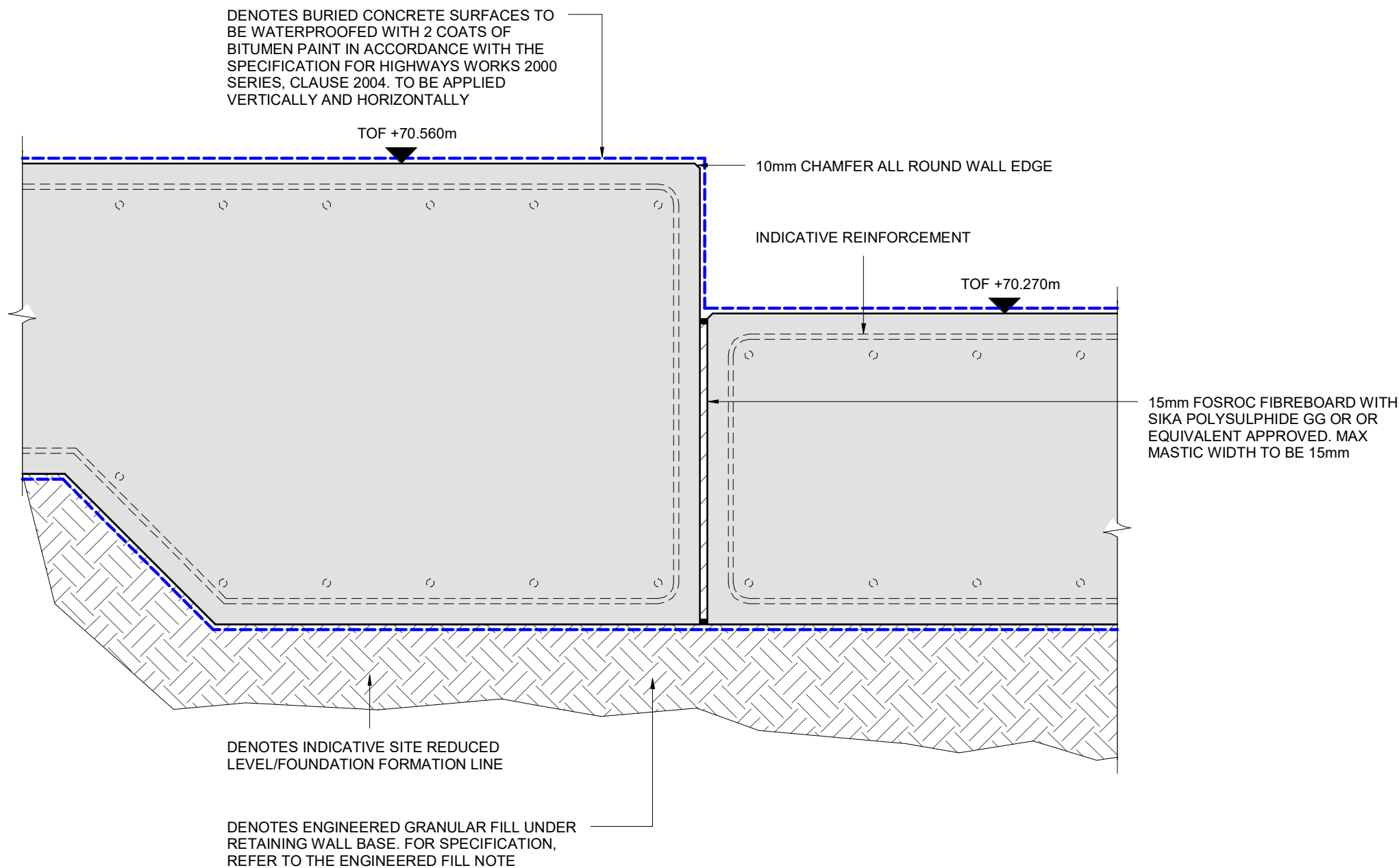
DETAIL X - RETAINING WALL  
TRANSITION DETAIL

SCALE: 1 : 20



DETAIL Y - RETAINING WALL STEM  
SEPARATION JOINT DETAIL

SCALE: 1 : 10



DETAIL Z - RETAINING WALL BASE  
SEPARATION JOINT DETAIL

SCALE: 1 : 10

NOTES:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWING AND SPECIFICATIONS.
2. DO NOT SCALE FROM THIS DRAWING. ANY AMBIGUITIES OR ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS TO BE CHECKED / VERIFIED ON SITE.
3. ALL LEVELS ARE IN METRES. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. FOR GENERAL NOTES REFER TO DRAWING FS1013-REN-01-XX-D-S-2010
5. SOIL ALLOWABLE BEARING PRESSURE TO BE VERIFIED BY PLATE LOAD TEST PRIOR TO CONSTRUCTION
6. BURIED CONCRETE SURFACES TO BE COATED WITH 2 LAYERS OF BITUMEN PAINT APPLIED VERTICALLY AND HORIZONTALLY IN ACCORDANCE WITH SPECIFICATION FOR HIGHWAYS WORKS SERIES 2000, CLAUSE 2004

ENGINEERED FILL/TESTING SPECIFICATION:-

BACK OF RETAINING WALL FILTER DRAIN MATERIAL:-

- **FILL**
  - GRANULAR BACKFILL TO BE CLASS 6H IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS VOL 1 - SERIES 600 EARTHWORKS, T6/1 (CLASSIFICATION AND COMPACTION) AND T6/2 (GRADING).
  - PERMEABLE BACKFILL MATERIAL TO BE TYPE A (CLASS 6H) IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAYS WORKS VOL 1 - SERIES 500 DRAINAGE AND SERVICE DUCTS, CLAUSE 513 (MATERIAL) AND CLAUSE 505 (PLACING).
  - RADING REQUIREMENTS TO BE IN ACCORDANCE WITH SPECIFICATION FOR HIGHWAYS WORKS, SERIES 500, T5/5 AND BS EN 13242.
- **TESTING**
  - NOT REQUIRED. NO OVERCOMPACTION PERMITTED.

BACKFILL FROM FORMATION LEVEL TO UNDERSIDE OF FOUNDATION:-

- **FILL**
  - ALL LOOSE/MADE GROUND/ SOFT SPOTS TO BE REMOVED OFF SITE.
  - THE SOILS AT THE BASE OF THE RESULTANT EXCAVATION SHALL BE CUT FLAT AND PROOF-ROLLED PRIOR TO THE IMPORTATION AND PLACEMENT OF SUITABLE GRANULAR FILL.
  - GRANULAR BACKFILL TO BE CLASS 6N GRANULAR/WELL GRADED STRUCTURAL FILL IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS VOL 1 - SERIES 600 EARTHWORKS, T6/1 (CLASSIFICATION) AND T6/2 (GRADING) AND T6/4 (PLACEMENT & COMPACTION).
  - THE CLASS 6N MATERIAL MUST ALSO BE IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS VOL 1 - SERIES 600 EARTHWORKS, CLAUSE 610 AND CLAUSE 611.
  - TYPE 6N GRANULAR STRUCTURAL FILL TO TERMINATE 300mm BELOW THE PROPOSED UNDERSIDE OF FOUNDATION.
  - THE FINAL 300mm OF FILL IS TO BE M.O.T TYPE 1 GRADED STRUCTURAL FILL IN ACCORDANCE WITH SPECIFICATION FOR HIGHWAY WORKS VOL 1 - 800 SERIES ROAD PAVEMENTS, CLAUSE 803 (GRADING) AND CLAUSE 802 AND T8/4 (PLACING AND COMPACTION)
- **TESTING**
  - AT FORMATION LEVEL AND AFTER PROOF ROLLING, UNDERTAKE IN SITU CBR TESTING USING A 600mm DIAMETER PLATE AS PER BS 1377 PART 9 AT 15m INCREMENTS ALONG THE LENGTH OF THE FOUNDATIONS. CBR VALUE OF >9% REQUIRED.
  - AT EACH LIFT/LAYER, UNDERTAKE IN SITU CBR TESTING USING A 600mm DIAMETER PLATE AT 15m INCREMENTS ALONG THE LENGTH OF THE FOUNDATIONS. CBR VALUE OF 10% REQUIRED LOCAL TO FOUNDATIONS. CBR OF >5% REQUIRED TO LANDSCAPED LOCATIONS.
  - AT UNDERSIDE OF FOUNDATION ATOP OF THE M.O.T. TYPE 1, UNDERTAKE IN SITU PLATE LOAD TESTING USING A 600mm DIAMETER PLATE AT 15m INCREMENTS ALONG THE LENGTH.
  - CBR TESTS TO BE UNDERTAKEN IN ACCORDANCE WITH BS 1377-9 AND IAN 73/06 REV1 (2009) USING MIN. 600mm DIAMETER PLATE.
  - FOR PLATE LOAD TESTS - LOAD APPLIED TO BE 225kN/m<sup>2</sup> IN 8 EQUAL INCREMENTS TO REPLICATE 3 TIMES THE MAXIMUM DESIGNED BEARING PRESSURE OF 75kN/m<sup>2</sup> UNDER THE RETAINING WALL BASE.

|      |               |          |     |       |
|------|---------------|----------|-----|-------|
| P01  | STAGE 4 ISSUE | 11.03.24 | GM  | PW    |
| Rev: | Description:  | Date:    | By: | Chkd: |



Project:  
**STAR RADCLIFFE ACADEMY,  
BURY**

Drawing Title:  
**CYCLOPS JUNCTION  
RETAINING WALL DETAILS**

Status:  
**STAGE 4**

|       |        |           |              |             |
|-------|--------|-----------|--------------|-------------|
| Size: | Date:  | Drawn By: | Designed By: | Checked By: |
| A1    | MAR 24 | GM        | PW           | AI          |

|        |              |             |         |
|--------|--------------|-------------|---------|
| Scale: | As indicated | Project No: | 2303-02 |
|--------|--------------|-------------|---------|

Project Code: Originator: Volume: Level: Type: Role: Category / Number: Rev:

FS1013 -REN - EX - XX - D - C - 6010 - P01