

**SURFACE CONSTRUCTION: PARKING BAY (PRIVATE IN CURTLEGE)**

80mm PERMEABLE PAVING BLOCK TO BS EN 1338 & ARCHITECTS SPECIFICATION & APPROVAL & LAYING PATTERN ON  
 50mm LAYING MATERIAL JOINTING TO MANUFACTURERS SPECIFICATION (TYPICALLY TYPE 26.3 GO 8020 TO IS EN 13242) ON  
 150mm ROAD BASE COURSE CEMENT STABILISED COARSE GRADED AGGREGATE AS CBGM B TO NRA CL 822 ON  
 500mm SUB-BASE LAYER 4mm TO 20mm COARSE GRADE CLEAR CRUSHED ROCK TO I.S. EN 1242:2002 (SEE NOTE ON PARTICLE SIZE DISTRIBUTION) ON GEOTEXTILE LAYER TO CLAUSE 609 (NRA)

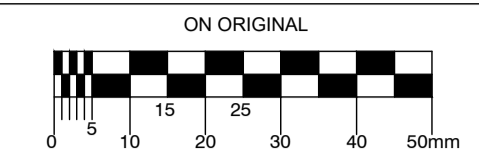
**CONCRETE FOOTPATH**

100mm CONCRETE PAVEMENT (150mm AT VEHICLE CROSSINGS) C32/40 AIR ENTRAINED OR C40/50 NO AIR ENTRAINED (EXPOSURE CLASS XF4) TO NRA CL 1105 ON  
 150mm COMPACTED CLAUSE 808(NRA) LAID FALL WITH BLINDED SURFACE JOINTS TO BE FORMED WITH TWO LAYERS OF BITUMINOUS FELT FOR FULL SLAB DEPTH AT 3m CENTRES (JOINT TO COINCIDE WITH JOINTS IN THE KERB AND POSITIONED AT CORNERS ETC LIABLE TO CRACKING). FINISHED BY FLOATING WITH WOODEN TROWEL WHILE STILL GREEN THEN LIGHTLY BRUSHED WITH A BASS BROOM TO PRODUCE REQUIRED SURFACE TEXTURE TO WITHIN 100mm OF ALL JOINT + EDGES.

**ROAD CONSTRUCTION**

40mm OF STONE MASTIC ASPHALT 14 SURF 40/50 DES TO CLAUSE 900.5.1 ON  
 100mm OF ASPHALT CONCRETE BINDER COURSE AC 20 DENSE BIN 40/60 (20mm AGGREGATE) TO CLAUSE 900.3.1 ON  
 150mm OF CLAUSE 808 D.O.E. GRADED CRUSHED ROCK LAID TO FALL AND BLINDED WITH QUARRY SCREENINGS ON  
 600mm CLASS 6F2 CAPPING STONE ON GEOTEXTILE TO CL 609 (NRA) CONTRACTOR TO CARRY OUT CBR TESTING PRIOR TO COMMENCING ROAD CONSTRUCTION AND NOTIFY ENGINEER OF RESULTS TO ALLOW CONFIRMATION OF CAPPING THICKNESS

© COPYRIGHT OF THIS DRAWING IS RESERVED BY DBFL CONSULTING ENGINEERS. NO PART SHALL BE REPRODUCED OR TRANSMITTED WITHOUT THEIR WRITTEN PERMISSION.



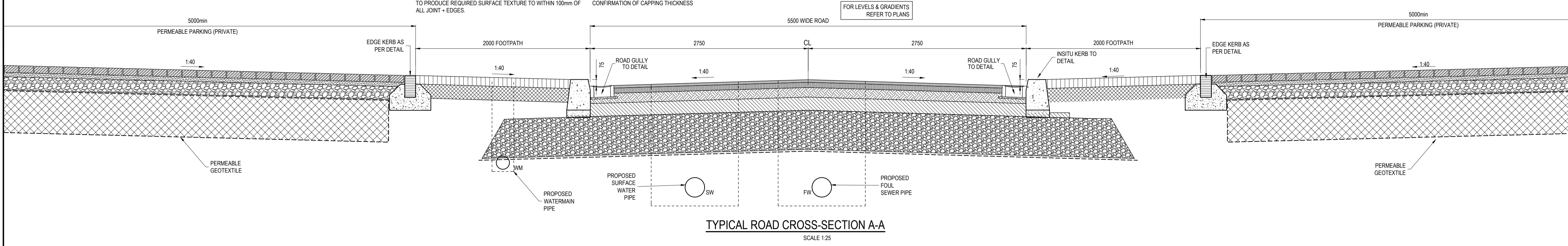
**NOTES:**

- ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE NRA SPECIFICATION FOR ROAD WORKS UNLESS OVERRIDDEN BY LOCAL OVERSEEING AUTHORITY'S STANDARDS
- SUB-BASE MATERIAL SHALL COMPLY WITH CLAUSE 808 GRANULAR MATERIAL TYPE B OF NRA'S SPECIFICATION FOR ROAD WORKS (SRM) & SHALL SATISFY THE REQUIREMENTS OF TABLE 6/4 & 6/2.
- SUB FORMATION & CAPPING MATERIAL SHALL COMPLY WITH CLAUSE 613 OF THE NRA'S 'SPECIFICATION FOR ROAD WORKS' & SHALL SATISFY THE REQUIREMENTS OF TABLE 6/1 & 6/2.
- STONE BLINDING WITH 2-6.5mm AGGREGATE SHALL MEET THE FOLLOWING GRADINGS, IN ACCORDANCE WITH IS EN 13242

| BS SIEVE SIZE (mm) | % BY MASS PASSING |
|--------------------|-------------------|
| 14                 | 100               |
| 10                 | 98-100            |
| 6.3                | 80-99             |
| 2.0                | 0-20              |
| 1.0                | 0-5               |

| BS SIEVE SIZE (mm) | % BY MASS PASSING |
|--------------------|-------------------|
| 40                 | 100               |
| 31.5               | 98-100            |
| 20                 | 90-99             |
| 10                 | 25-70             |
| 4                  | 0-15              |
| 5                  | 0-5               |

- ANY ROADS PROPOSED TO BE USED FOR CONSTRUCTION TRAFFIC ARE TO HAVE INCREASED DEPTH OF SUB-BASE FOR THE DURATION OF CONSTRUCTION IN ACCORDANCE WITH DBFL SPECIFICATIONS.
- ALL WORKS SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY.
- ALL GEOGRIDS TO BE LAID IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
- ALL AGGREGATES PROPOSED FOR USE ON THIS SCHEME SHALL MEET FULLY THE REQUIREMENTS OF THE NRA SPECIFICATION FOR ROAD WORKS AND IN ADDITION THE REQUIREMENTS STATED IN STANDARD RECOMMENDATION S.R. 21:2014 GUIDANCE ON THE USE OF I.S. EN 1242:2002 #A1:2007-AGGREGATES FOR UNBOUND AND HYDRAULICALLY BOUND MATERIALS FOR USE IN CIVIL ENGINEERING WORK AND ROAD CONSTRUCTION.



**CONCRETE FOOTPATH**

100mm CONCRETE PAVEMENT (150mm AT VEHICLE CROSSINGS) C32/40 AIR ENTRAINED OR C40/50 NO AIR ENTRAINED (EXPOSURE CLASS XF4) TO NRA CL 1105 ON  
 150mm COMPACTED CLAUSE 808(NRA) LAID FALL WITH BLINDED SURFACE JOINTS TO BE FORMED WITH TWO LAYERS OF BITUMINOUS FELT FOR FULL SLAB DEPTH AT 3m CENTRES (JOINT TO COINCIDE WITH JOINTS IN THE KERB AND POSITIONED AT CORNERS ETC LIABLE TO CRACKING). FINISHED BY FLOATING WITH WOODEN TROWEL WHILE STILL GREEN THEN LIGHTLY BRUSHED WITH A BASS BROOM TO PRODUCE REQUIRED SURFACE TEXTURE TO WITHIN 100mm OF ALL JOINT + EDGES.

**OFF ROAD CYCLE PATH**

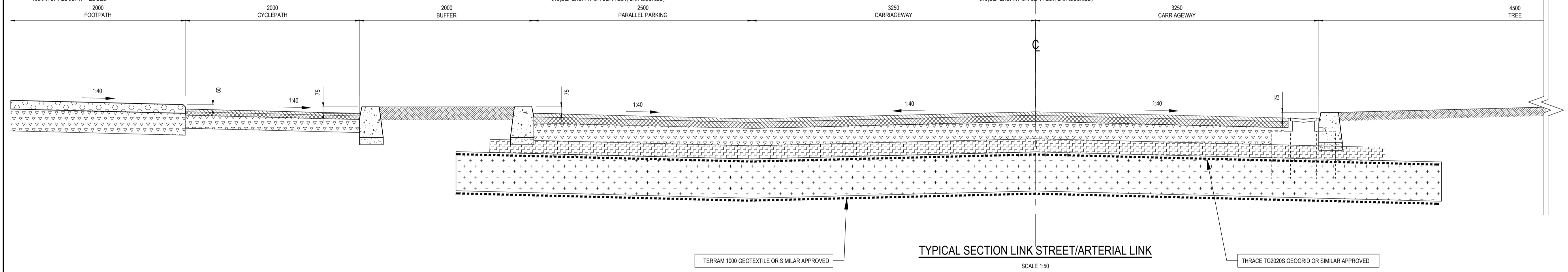
20mm SURFACE COURSE OF ASPHALT CONCRETE AC6 DENSE SURF 70/100 TO CLAUSE 900.3 ON  
 40mm ASPHALT CONCRETE AC20 DENSE BIN 40/60 TO CLAUSE 900.3 ON  
 150mm GRANULAR SUB-BASE TO CLAUSE 808 (WITH BLINDED SURFACE)

**PARALLEL PARKING BAY**

45mm SURFACE COURSE SMA 14 SURF PMB 65/105-60 DES TO CLAUSE 942 (MIN PSV 60) ON  
 60mm BINDER COURSE ASPHALT CONCRETE AC20 DENSE BIN 40/60 REC TO CLAUSE 906 ON  
 190mm ASPHALT CONCRETE AC32 DENSE BASE 40/60 TO CLAUSE 906 ON  
 150mm SUB-BASE OF TYPE B MATERIAL TO CL 808 ON  
 600mm CAPPING OF CLASS 6F2 MATERIAL TO CL 613(DEPENDANT ON CBR TEST, 2% ASSUMED)

**ROAD CONSTRUCTION**

45mm SURFACE COURSE SMA 14 SURF PMB 65/105-60 DES TO CLAUSE 942 (MIN PSV 60) ON  
 60mm BINDER COURSE ASPHALT CONCRETE AC20 DENSE BIN 40/60 REC TO CLAUSE 906 ON  
 190mm ASPHALT CONCRETE AC32 DENSE BASE 40/60 TO CLAUSE 906 ON  
 150mm SUB-BASE OF TYPE B MATERIAL TO CL 808 ON  
 600mm CAPPING OF CLASS 6F2 MATERIAL TO CL 613(DEPENDANT ON CBR TEST, 2% ASSUMED)

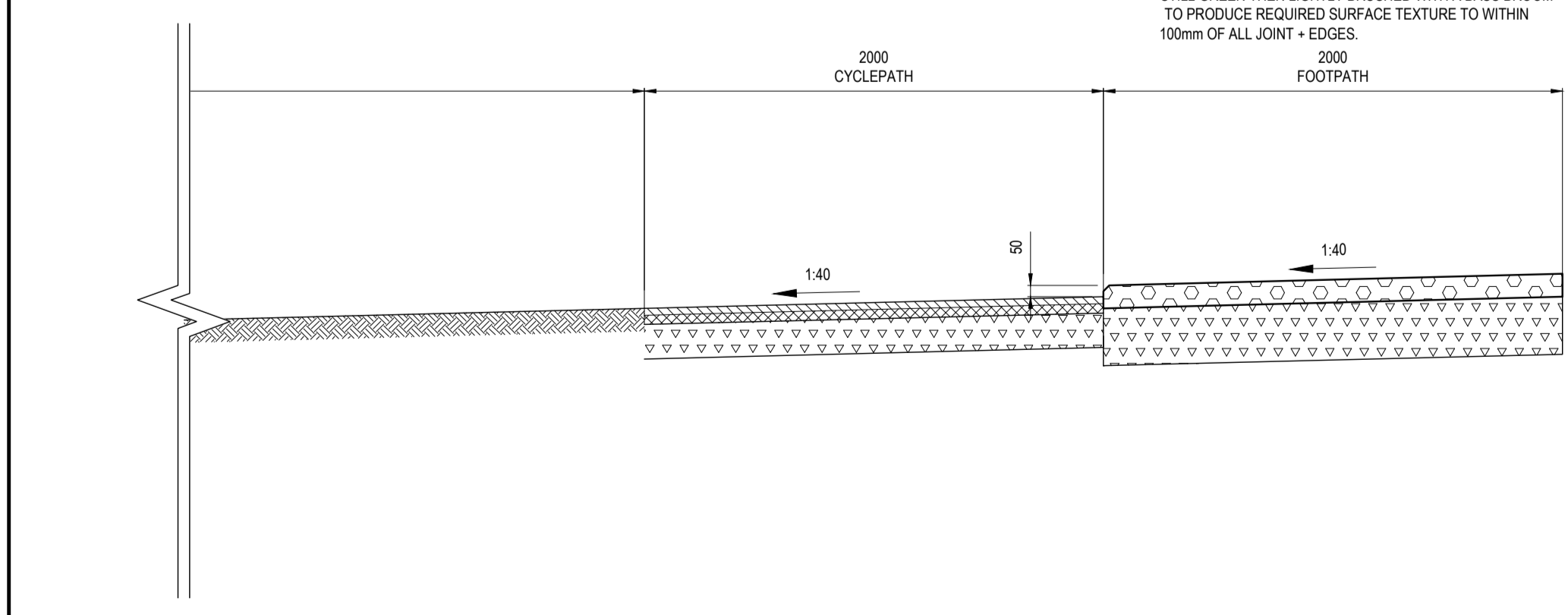


**OFF ROAD CYCLE PATH**

20mm SURFACE COURSE OF ASPHALT CONCRETE AC6 DENSE SURF 70/100 TO CLAUSE 900.3 ON  
 40mm ASPHALT CONCRETE AC20 DENSE BIN 40/60 TO CLAUSE 900.3 ON  
 150mm GRANULAR SUB-BASE TO CLAUSE 808 (WITH BLINDED SURFACE)

**CONCRETE FOOTPATH**

100mm CONCRETE PAVEMENT (150mm AT VEHICLE CROSSINGS) C32/40 AIR ENTRAINED OR C40/50 NO AIR ENTRAINED (EXPOSURE CLASS XF4) TO NRA CL 1105 ON  
 150mm COMPACTED CLAUSE 808(NRA) LAID FALL WITH BLINDED SURFACE JOINTS TO BE FORMED WITH TWO LAYERS OF BITUMINOUS FELT FOR FULL SLAB DEPTH AT 3m CENTRES (JOINT TO COINCIDE WITH JOINTS IN THE KERB AND POSITIONED AT CORNERS ETC LIABLE TO CRACKING). FINISHED BY FLOATING WITH WOODEN TROWEL WHILE STILL GREEN THEN LIGHTLY BRUSHED WITH A BASS BROOM TO PRODUCE REQUIRED SURFACE TEXTURE TO WITHIN 100mm OF ALL JOINT + EDGES.



TYPICAL SECTION LINK STREET/ARTERIAL LINK (CONTINUES)  
 SCALE 1:50

|     |          |                     |     |      |
|-----|----------|---------------------|-----|------|
| B   | 14-09-21 | FOR SHD APPLICATION | JVS | BK   |
| A   | 16-07-21 | REVISED SITE LAYOUT | JVS | BK   |
| REV | DATE     | DESCRIPTION         | BY  | CHKD |

| PLANNING |          |          |     |
|----------|----------|----------|-----|
| DESIGNED | BK       | PREPARED | GMC |
| DATE     | AUG 2019 | CHECKED  | DJR |

**DBFL** Dublin office Ormond House, Upper Ormond Quay, Dublin 7, Ireland. PHONE +353 1 400 4000 FAX +353 1 400 4050

Waterford office Unit 2, The Chandlery, 1-2 O'Connell Street, Waterford, Ireland. PHONE +353 51 308 550 FAX +353 51 844 813

DBFL Consulting Engineers email: info@dbfl.ie site: www.dbfl.ie

PROJECT  
**LANDS AT CLONMINCH, TULLAMORE, CO OFFALY**

DRG. TITLE  
**TYPICAL ROAD CONSTRUCTION DETAILS SHEET 1**

CLIENT  
**STEINFORT INVESTMENTS FUND**

|          |              |           |             |
|----------|--------------|-----------|-------------|
| SCALE    | AS SHOWN @A1 | FILE REF. | 180002-2011 |
| DRG. NO. | 180002-2011  |           | B           |