

CONCRETE FOOTPATH

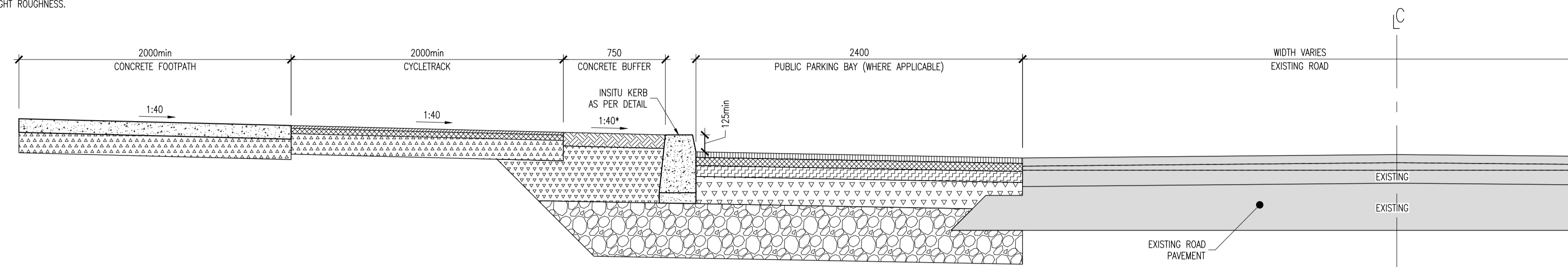
100mm CONCRETE PAVEMENT C40 AIR ENTRAINED OR C50 NO AIR ENTRAINED (EXPOSURE CLASS XF4) TO NRA CL 1106 ON 150mm UNBOUND GRANULAR SUB-BASE TYPE B TO CLAUSE 804 AND CLAUSE 808 NOTE 1 [MIN CBR 30%] ON JOINTS TO BE FORMED WITH TWO LAYERS OF BITUMINOUS FELT FOR FULL SLAB DEPTH AT 3m CENTRES (JOINTS TO COINCIDE WITH JOINTS IN THE KERB AND POSITIONED AT CORNERS ETC LIABLE TO CRACKING). FINISH BY FLOATING WITH WOODEN TROWEL WHILE STILL GREEN THEN LIGHTLY BRUSHED WITH A BRASS BROOM TO PRODUCE SLIGHT ROUGHNESS.

BITUMINOUS CYCLEWAY

20mm BITUMINOUS SURFACE COURSE : AC6 DENSE SURF (6mm AGG) ON 40mm BITUMINOUS BINDER COURSE : AC 20 DENSE BIN (20mm AGG) ON 150mm SUB-BASE TO CL 804 (NRA) CRUSHED ROCK LAID TO FALL, COMPACTED & BLINDED WITH QUARRY SCREENINGS

PUBLIC PARKING BAYS

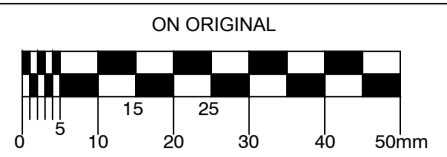
40mm STONE MASTIC ASPHALT SURFACE COURSE TO CLAUSE 942 NOTE 1 [SMA 14 SURF PMB 65/105-60 DES] (SURFACE COLOUR AS PER LANDSCAPE ARCHITECTS DRAWING) ON 60mm ASPHALT CONCRETE BINDER COURSE TO CLAUSE 906 NOTE 1 [AC 20 HDM BIN 40/60 TO EN13108:1] ON 80mm ASPHALT CONCRETE BASE COURSE TO CLAUSE 906 NOTE 1 [AC 32 HDM BAS 40/60 TO EN13108:1] ON 200mm UNBOUND GRANULAR SUB-BASE TYPE B TO CLAUSE 808 NOTE 1 [MIN CBR 30%] ON 600mm CLASS #2 CAPPING MATERIAL TO CLAUSE 613 NOTE 1 [MIN CBR 15%] ON PREPARED FORMATION WITH CBR>2% [SEE NOTE 9]



TYPICAL SECTION THROUGH ROAD 'PARKSIDE BOULEVARD' ILLUSTRATING PARKING BAY AND REALIGNED FOOTPATH AND CYCLETRACK
SCALE 1:25

FIGURE 1

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



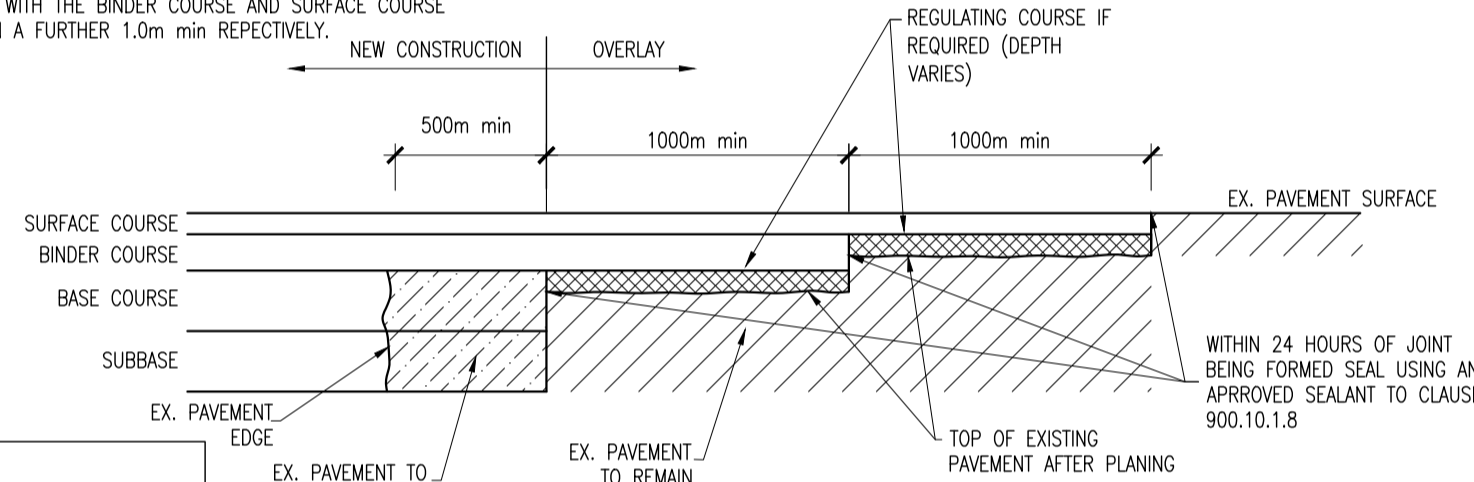
NOTES:

- 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 (SRW) & SHALL SATISFY THE REQUIREMENTS OF TABLE 8/4 & 8/2.
- 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 2-6.3mm 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 |
- CRUSHED STONE WITH 4-20mm AGGREGATE SHALL MEET THE FOLLOWING GRADINGS, IN ACCORDANCE WITH IS EN 13242

| BS SIEVE SIZE (mm) | % BY MASS PASSING |
|--------------------|-------------------|
| 40 | 100 |
| 31.5 | 98-100 |
| 20 | 90-99 |
| 10 | 25-70 |
| 4 | 0-15 |
| 0.5 | 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 GEORIDS TO BE LAID IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
- THE CONTRACTOR SHALL CONDUCT CBR TESTS AT 25m INTERVALS ALONG THE PROPOSED ROADS LOCATIONS AT A DEPTH OF 500mm.

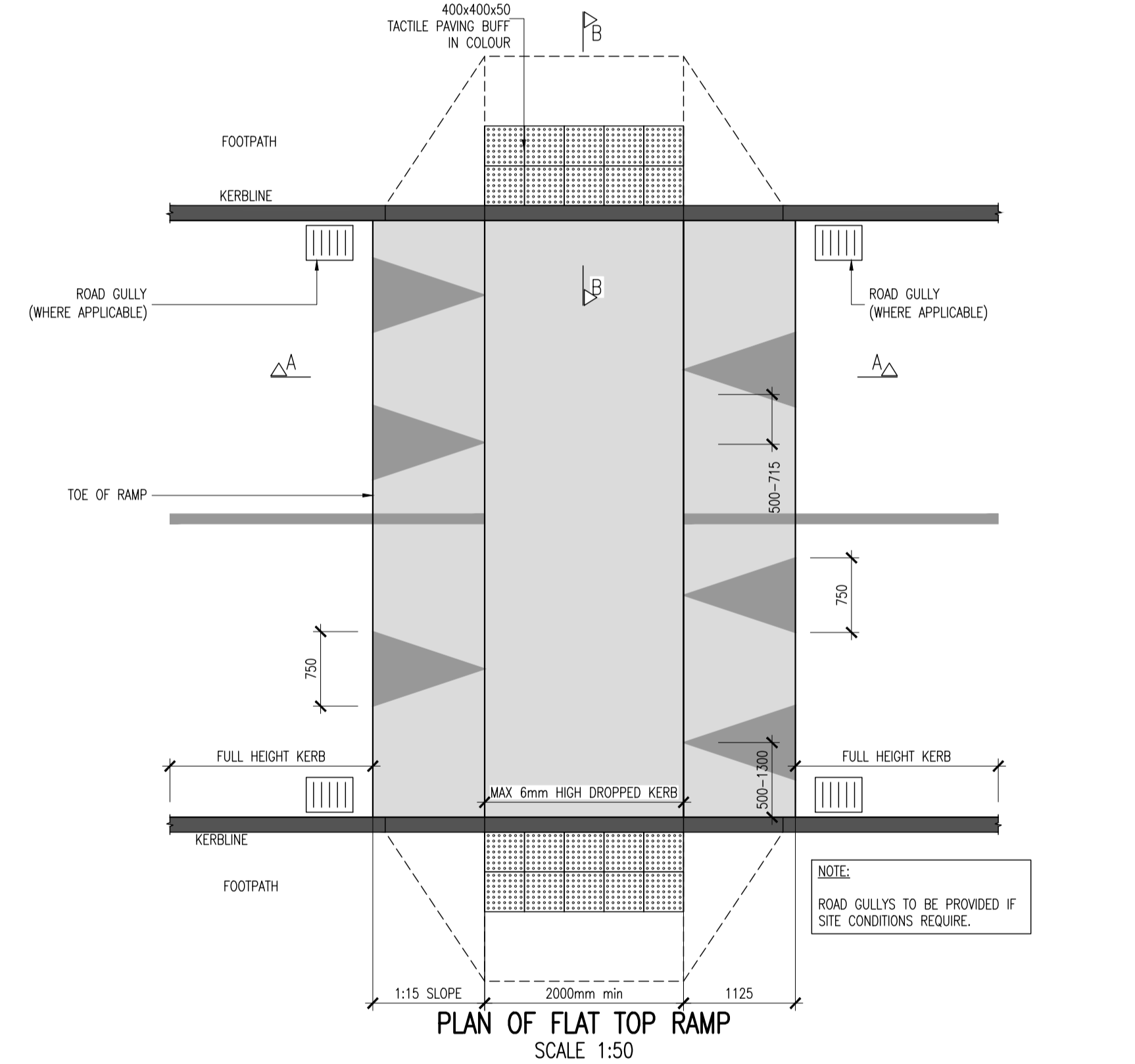
- NOTES:**
- EDGES OF EXISTING CARRIAGEWAY TO BE CUT BACK BY 0.5m WITH A ROTARY SAW TO FORM A VERTICAL FACE AND PRIMED IN ACCORDANCE WITH CLAUSE 900.10.1.4.
 - WHERE THE BASE COURSE IS TO BE LAID IN TWO LAYERS, THE UPPER LAYER OF BASE COURSE SHOULD BE STEPPED INTO THE EXISTING PAVEMENT BY 1.0m min WITH THE BINDER COURSE AND SURFACE COURSE TO BE EACH STEPPED IN A FURTHER 1.0m min RESPECTIVELY.



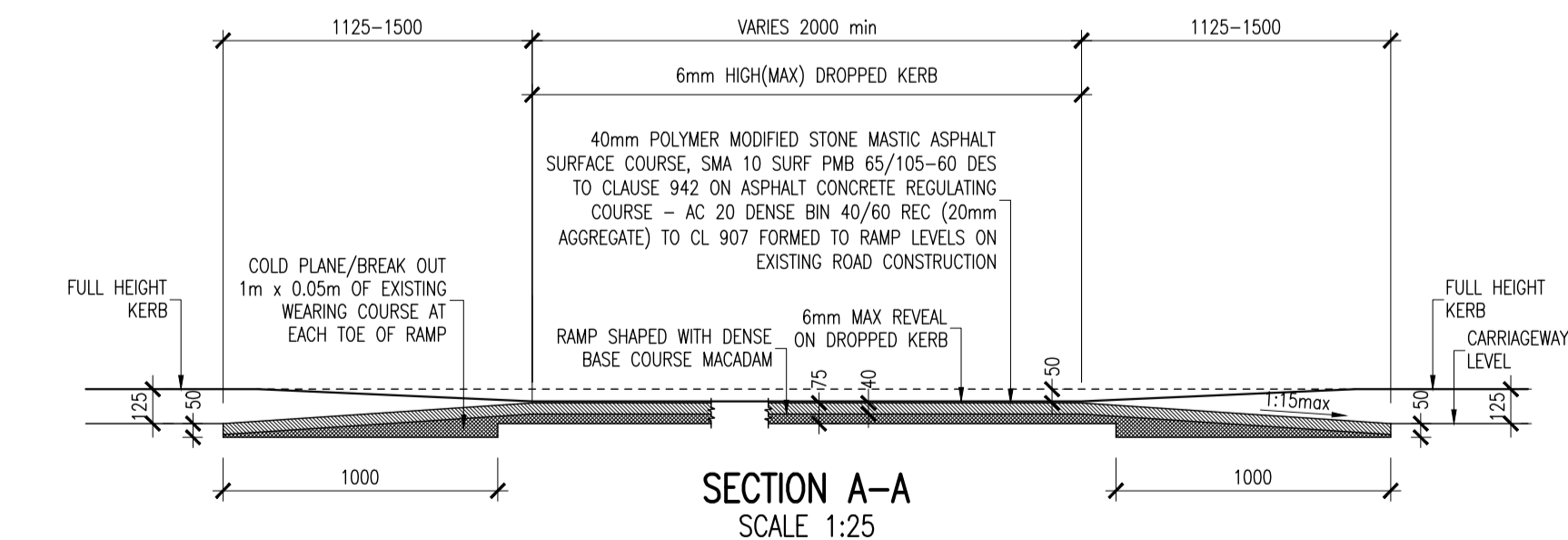
NOTE:
ALL FACES OF COLD UPSTANDING EDGES SHALL BE TREATED TO CLAUSE 900.10.8

TRANSVERSE JOINT
SCALE 1:25

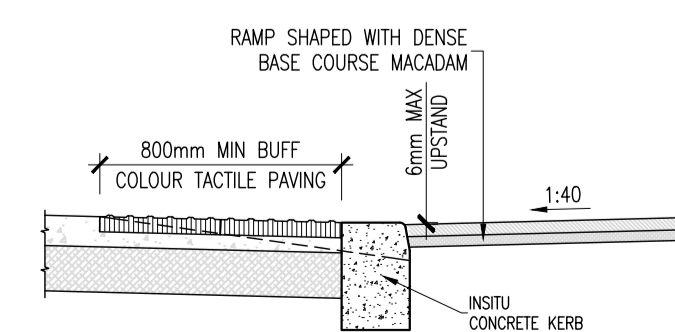
FIGURE 3



PLAN OF FLAT TOP RAMP
SCALE 1:50



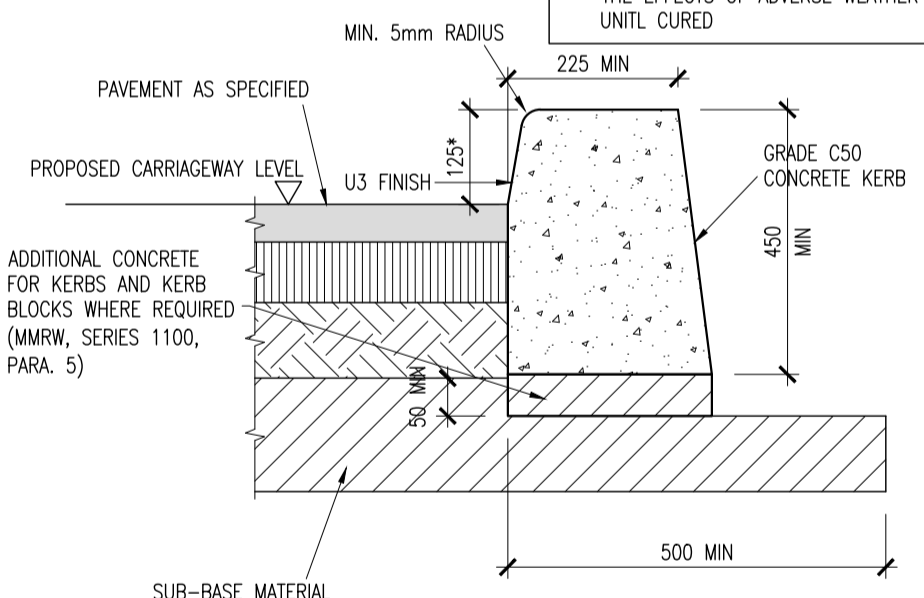
SECTION A-A
SCALE 1:25



SECTION B-B
SCALE 1:25

FIGURE 5

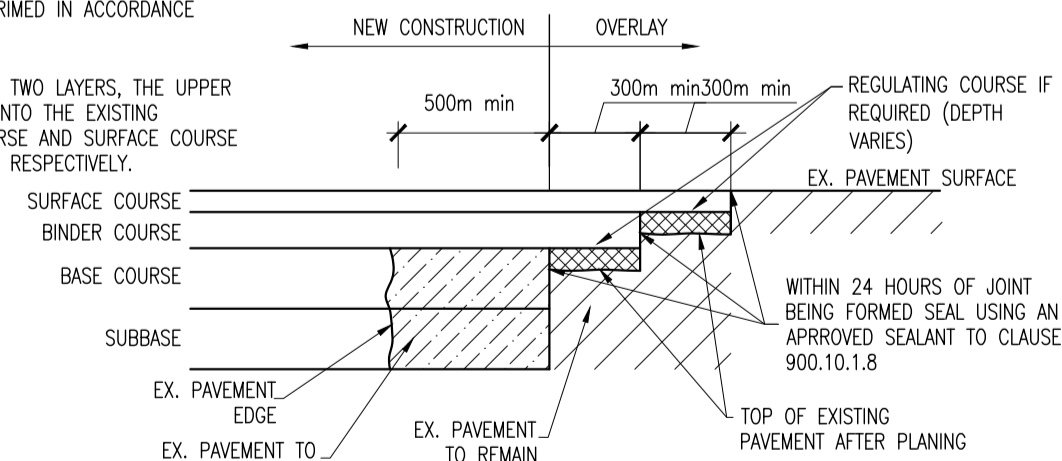
- * KERB CHECK HEIGHT TO BE 25mm AT VEHICLE ENTRANCES AND 0-6mm FOR PEDESTRIAN CROSSINGS



INSITU CONCRETE KERB DETAIL
SCALE 1:10

FIGURE 2

- NOTES:**
- EDGES OF EXISTING CARRIAGEWAY TO BE CUT BACK BY 0.5m WITH A ROTARY SAW TO FORM A VERTICAL FACE AND PRIMED IN ACCORDANCE WITH CLAUSE 920 (NOTE 1).
 - WHERE THE BASE COURSE IS TO BE LAID IN TWO LAYERS, THE UPPER LAYER OF BASE COURSE SHOULD BE STEPPED INTO THE EXISTING PAVEMENT BY 0.3m min WITH THE BINDER COURSE AND SURFACE COURSE TO BE EACH STEPPED IN A FURTHER 0.3m min RESPECTIVELY.



NOTE:
ALL FACES OF COLD UPSTANDING EDGES SHALL BE TREATED TO CLAUSE 900.10.8

LONGITUDINAL JOINT DETAIL
SCALE 1:25

FIGURE 4

| REV | DATE | DESCRIPTION | BY | CHKD |
|-----------------|----------|-------------|-----|------|
| PLANNING | | | | |
| DESIGNED | NGC | PREPARED | PJC | |
| DATE | APR 2019 | CHECKED | DJR | |

| DATE | APR 2019 | CHECKED | DJR |
|------|----------|---------|-----|
|------|----------|---------|-----|

DBFL
Dublin Office: Ormrod House, Upper Ormrod 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 51 308 500 FAX +353 51 844 913

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

PROJECT
PARKSIDE 4, PARKSIDE, DUBLIN 13

DRG. TITLE
TYPICAL ROAD CONSTRUCTION DETAILS SHEET 1

CLIENT
CAIRN HOMES PROPERTIES LTD.

| | | | |
|----------|--------------|-----------|-------------|
| SCALE | AS SHOWN @A1 | FILE REF. | 190011-2010 |
| DRG. NO. | 190011-2010 | | |