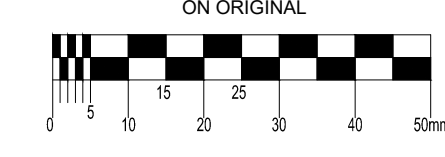


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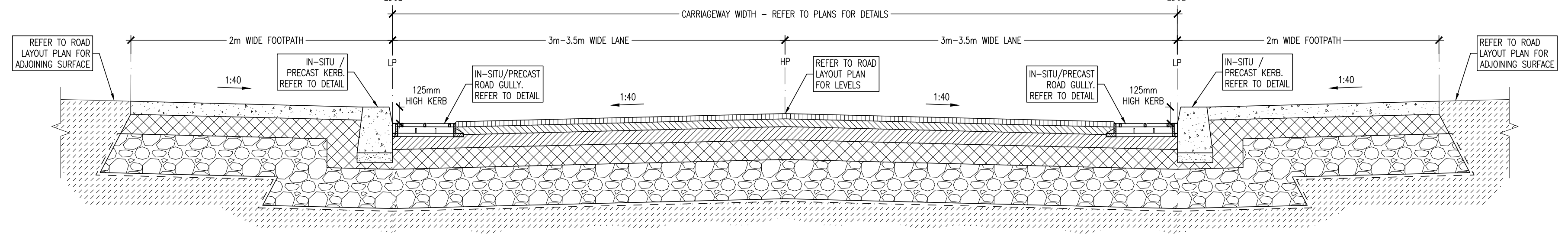
- NOTES:
- C20/25 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 280kg/m<sup>3</sup>, MAXIMUM WATER/CEMENT RATIO OF 0.65 AND SLUMP CLASS S2.
  - C25/30 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 280kg/m<sup>3</sup>, MAXIMUM WATER/CEMENT RATIO OF 0.65 AND SLUMP CLASS S2.
  - C40/50 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 400kg/m<sup>3</sup>, MAXIMUM WATER/CEMENT RATIO OF 0.45 AND SLUMP CLASS S3.
  - WHERE CLASS 6F1/6F2 CAPPING MATERIAL IS PROPOSED WITHIN 500mm OF CONCRETE OR STEEL, CLASS 6N TO BE USED INSTEAD.
  - \* WHERE FOOTPATHS ARE LOCATED ADJACENT TO ROADS, C40/50 CONCRETE TO BE USED. ALTERNATIVELY, C25/30 CONCRETE MAY BE USED.
  - ALL FEAT TO BE REMOVED AND BUILT UP TO FORMATION LAYER WITH TYPICAL EMBANKMENT DETAIL.

NOTE:  
ALL WORKS & SPECIFICATIONS TO BE UNDERTAKEN IN ACCORDANCE WITH  
• TII SPECIFICATION FOR ROADWORKS  
• GREATER DUBLIN CODE OF PRACTICE FOR DRAINAGE WORKS  
• RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS

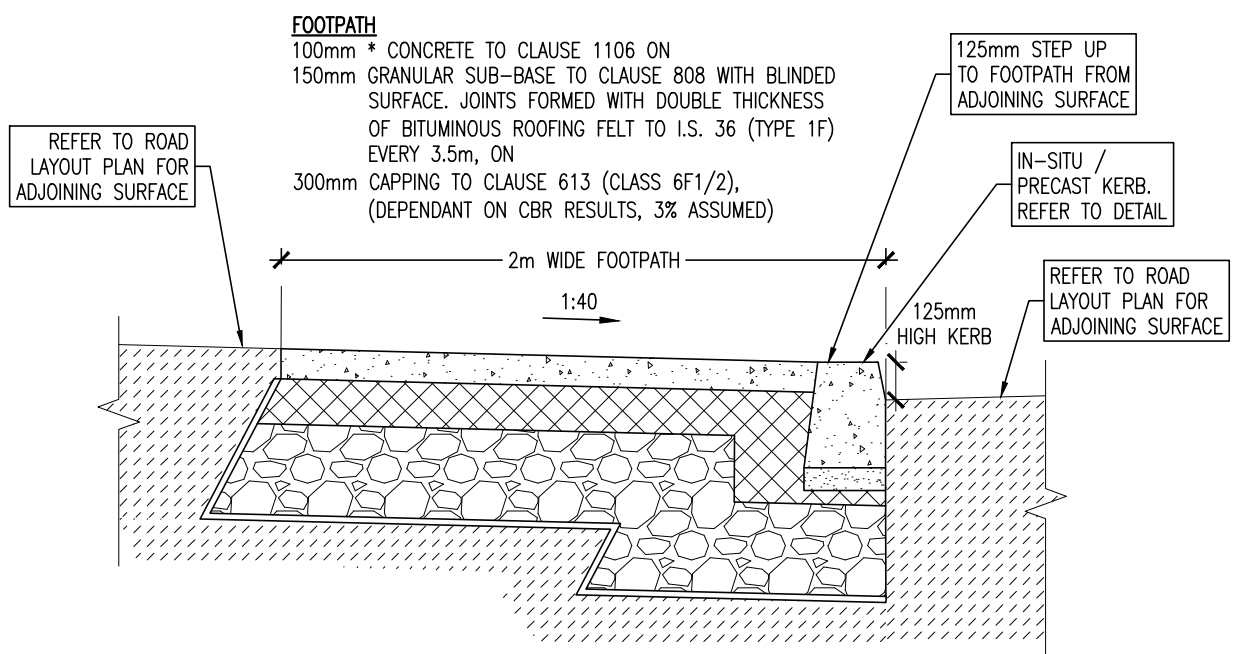
**FOOTPATH**  
100mm \* CONCRETE TO CLAUSE 1106 ON  
150mm GRANULAR SUB-BASE TO CLAUSE 808 WITH BLUNDED SURFACE. JOINTS FORMED WITH DOUBLE THICKNESS OF BITUMINOUS ROOFING FELT TO I.S. 36 (TYPE 1F) EVERY 3.5m, ON  
300mm CAPPING TO CLAUSE 613 (CLASS 6F1/2), (DEPENDANT ON CBR RESULTS, 3% ASSUMED)

**ROAD SURFACE**  
SURFACE COURSE - 40mm POLYMER MODIFIED STONE MASTIC ASPHALT PMSMA SMA 10 SURF PMB 65/105-60 DES. TO CL 942 ON  
BINDER COURSE - 60mm DBM BINDER COURSE AC 20 DENSE BIN 40/60 REC : TO CL 906 ON  
BASE COURSE - 100mm DBM ROAD BASE AC 32 DENSE BIN 40/60 REC : TO CL 906 ON  
SUB-BASE - 150mm GRANULAR SUB-BASE TO CL 808 WITH BLUNDED SURFACE ON  
CAPPING - 300mm CLASS 6F2 CAPPING MATERIAL (3% CBR ASSUMED) - [CBR VALUES TO SUB-GRADE TO BE CONFIRMED ON-SITE]

**FOOTPATH**  
100mm \* CONCRETE TO CLAUSE 1106 ON  
150mm GRANULAR SUB-BASE TO CLAUSE 808 WITH BLUNDED SURFACE. JOINTS FORMED WITH DOUBLE THICKNESS OF BITUMINOUS ROOFING FELT TO I.S. 36 (TYPE 1F) EVERY 3.5m, ON  
300mm CAPPING TO CLAUSE 613 (CLASS 6F1/2), (DEPENDANT ON CBR RESULTS, 3% ASSUMED)

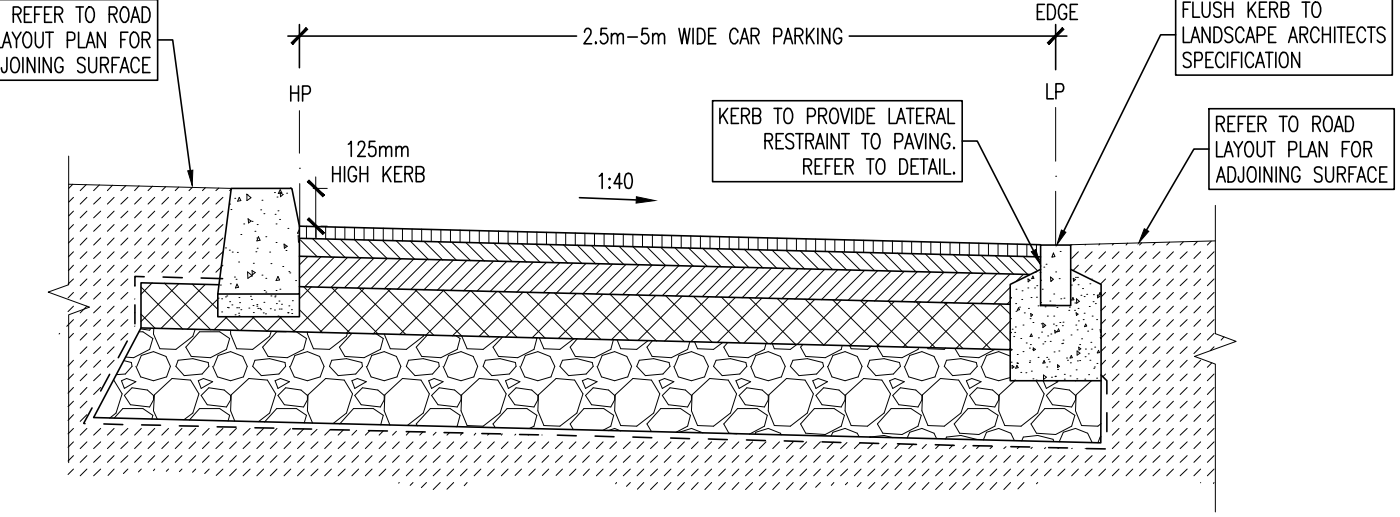


TYPICAL CROSS-SECTION THROUGH PROPOSED ESTATE ROAD  
SCALE 1:25



TYPICAL CROSS-SECTION THROUGH PROPOSED FOOTPATH  
SCALE 1:25

**CAR PARKING**  
SURFACE COURSE - 40mm POLYMER MODIFIED STONE MASTIC ASPHALT PMSMA SMA 10 SURF PMB 65/105-60 DES. TO CL 942 ON  
BINDER COURSE - 60mm DBM BINDER COURSE AC 20 DENSE BIN 40/60 REC : TO CL 906 ON  
BASE COURSE - 100mm DBM ROAD BASE AC 32 DENSE BIN 40/60 REC : TO CL 906 ON  
SUB-BASE - 150mm GRANULAR SUB-BASE TO CL 808 WITH BLUNDED SURFACE ON  
CAPPING - 300mm CLASS 6F2 CAPPING MATERIAL (3% CBR ASSUMED) - [CBR VALUES TO SUB-GRADE TO BE CONFIRMED ON-SITE]



TYPICAL CROSS-SECTION THROUGH PROPOSED CAR PARKING  
SCALE 1:25

**CONCRETE FOOTPATH**

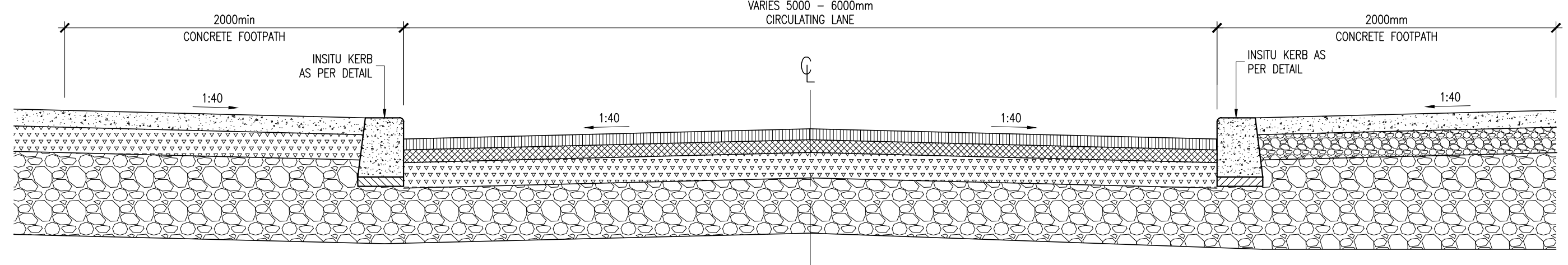
100mm CONCRETE PAVEMENT (150mm AT VEHICLE CROSSINGS WITH A393 MESH TOP AND BOTTOM) C40 AIR ENTRAINED OR C50 NO AIR ENTRAINED (EXPOSURE CLASS XF4) TO NRA CL 1106 ON  
150mm UNBOUND GRANULAR SUB-BASE TYPE B TO CLAUSE 804 CLAUSE 804 NOTE 1 [MIN CBR 30%] ON JOINTS TO BE FORMED WITH TWO LAYERS OF BITUMINOUS 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 BASS BROOM TO PRODUCE SLIGHT ROUGHNESS.

**ROAD CONSTRUCTION**

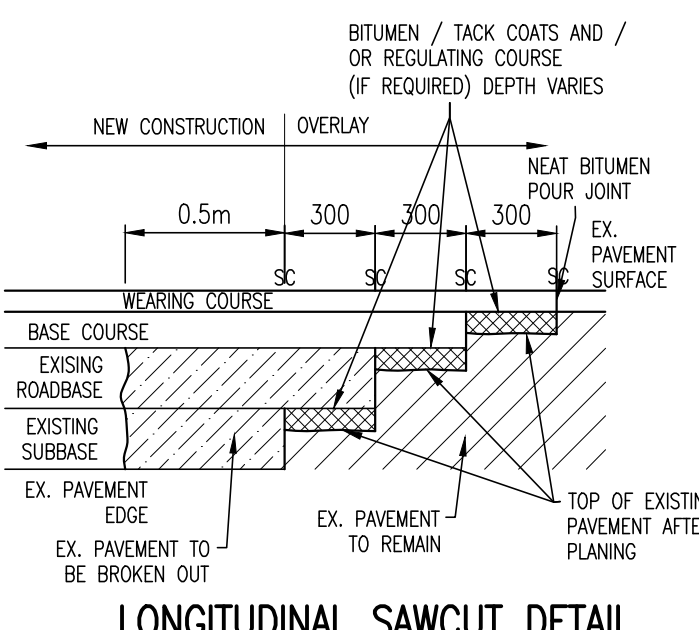
65mm OF HOT ROLLED ASPHALT SURFACE COURSE: HRA 30/14 F SURF 40/60 (14mm AGGREGATE, 30% CONTENT) TO CLAUSE 910 ON  
75mm OF DENSE BITUMEN MACADAM BINDER COURSE: AC 20 DENSE BIN 40/60 (20mm AGGREGATE) TO CLAUSE 906 ON  
150mm OF CLAUSE 804 D.O.E. GRADED CRUSHED ROCK LAID TO FALL AND BLUNDED WITH QUARRY SCREENINGS ON  
450mm CLASS 6F2 CAPPING STONE

**CONCRETE FOOTPATH**

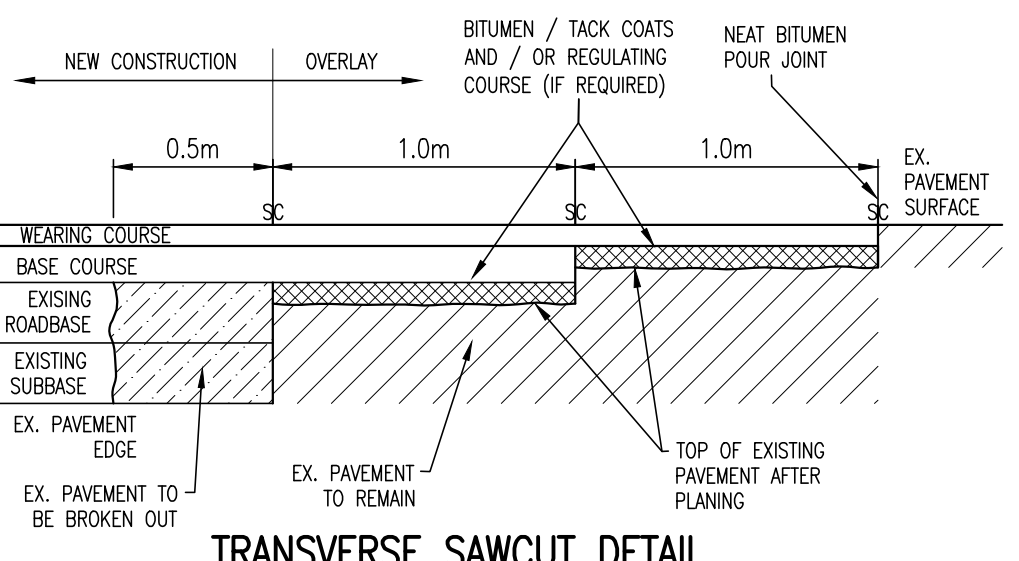
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TYPICAL SECTION ACCESS ROAD  
SCALE 1:25



LONGITUDINAL SAWCUT DETAIL  
SCALE : 1:25  
(SC = SAW CUT LINES, CUT WITH ROTARY SAW.)



TRANSVERSE SAWCUT DETAIL  
SCALE : 1:25  
(SC = SAW CUT LINES, CUT WITH ROTARY SAW.)

**CARPARK BAY CONSTRUCTION (PRIVATE IN CURTLEIDGE)**

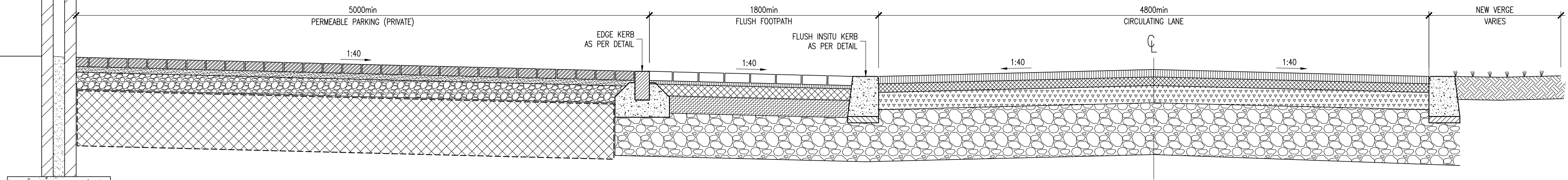
80mm PERMEABLE PAVING BLOCK TO BS EN 1338 & ARCHITECTS SPECIFICATION & APPROVAL & LAYING PATTERN ON  
50mm LAYING MATERIAL, & JOINTING TO MANUFACTURERS SPECIFICATION (TYPICALLY TYPE 2/6.3 GC 80/20 TO I.S. EN 13342) ON  
150mm ROADBASE CEMENT STABILISED COARSE GRADED AGGREGATE AS CBM B TO NRA CL 822 ON  
500mm SUB-BASE LAYER 4mm TO 20mm COARSE GRADE CLEAR CRUSHED ROCK TO I.S. EN 13342:2002 (SEE NOTE ON PARTICLE SIZE DISTRIBUTION) ON  
GEOTEXTILE LAYER TO CLAUSE 609 (NRA)

**FLUSH FOOTPATH CONSTRUCTION**

80mm PAVING BRICK/BLOCK AS PER ARCHITECTS SPECIFICATION ON  
30mm BEDDING (AS PER ARCHITECTS SPECIFICATION) ON  
100mm DBM50 (OR 150mm DSM 3 TO CLAUSE 1035 & 1038) (SRW) ON  
150mm CLAUSE 804 SUB-BASE

**ROAD CONSTRUCTION**

65mm OF HOT ROLLED ASPHALT SURFACE COURSE: HRA 30/14 F SURF 40/60 (14mm AGGREGATE, 30% CONTENT) TO CLAUSE 910 WITH 20mm COLOURED CHIPPING IN A CLEAR COAT TO CL 915 ON  
75mm OF DENSE BITUMEN MACADAM BINDER COURSE: AC 20 DENSE BIN 40/60 (20mm AGGREGATE) TO CLAUSE 906 ON  
150mm OF CLAUSE 804 D.O.E. GRADED CRUSHED ROCK LAID TO FALL AND BLUNDED WITH QUARRY SCREENINGS ON  
450mm CLASS 6F2 CAPPING STONE

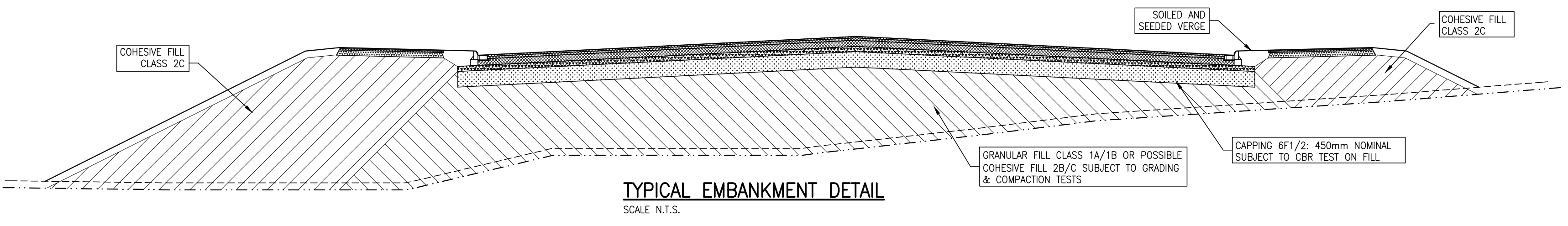


TYPICAL SECTION THROUGH HOMEZONE/SHARED SURFACE  
SCALE 1:25

**NOTE :**

- FOR AREAS WHERE CBR VALUES ARE BELOW 2%, CARRY OUT THE FOLLOWING:  
- THE SOFT AREA IS TO BE EXCAVATED OUT FULLY AND REPLACED WITH A GENERAL FILL MATERIAL (CLASS 1A/1B) TO N.R.A. SPECIFICATION TO THE UNDERSIDE OF AN 'ENKAGRID' LAYER (ENKAGRID TRC 40 OR SIMILAR 40N/m<sup>2</sup>). SEPARATION GEOTEXTILE TO BE PLACED BETWEEN THE SUBGRADE AND CAPPING.  
OR  
- SOIL TO BE STABILISED IN-SITU WITH LIME/CEMENT TO SPECIALIST CONTRACTOR SPECIFICATION TO FORMATION LEVEL, MINIMUM CBR 5%.  
AN ENGINEER SHOULD INSPECT THE SOFT AREA WHEN IT HAS BEEN FULLY EXCAVATED OUT PRIOR TO THE FILL/STABILISED MATERIAL BEING PLACED/WORKED.
- FOR AREAS WHERE CBR VALUES ARE BETWEEN 2% AND 5%, CARRY OUT THE FOLLOWING:  
- THE SOIL IS TO BE EXCAVATED OUT FULLY AND REPLACED WITH A CAPPING MATERIAL TYPE 6F1/6F2 TO N.R.A. SPECIFICATION. DEPTHS OF CAPPING MATERIAL AS PER TABLE 1 BELOW. SEPARATION GEOTEXTILE TO BE PLACED BETWEEN THE SUBGRADE AND CAPPING.  
OR  
- SOIL TO BE STABILISED IN-SITU WITH LIME/CEMENT TO SPECIALIST CONTRACTOR SPECIFICATION TO FORMATION LEVEL, MINIMUM CBR 5%, DEPTHS OF MATERIAL TO BE STABILISED AS PER TABLE 1 BELOW.

CBR	ROADS	CARPARK
2%	400	300
3%	300	200
4%	250	150



TYPICAL EMBANKMENT DETAIL  
SCALE N.T.S.

P01	30-03-22	ISSUED FOR PLANNING	KGO	PM
rev	date	description	by	chkd.
		A - Approved		
		B - Approved with comments		
		C - Do not use		

suitability S2 - INFORMATION issue purpose PLANNING

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drawing title  
STANDARD DETAILS SHEET 5 OF 5

architect  
DELPHI ARCHITECTS

designed by	author	scale	sheet size
PM	KGO	AS SHOWN	A1
drawing no.		revision	
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