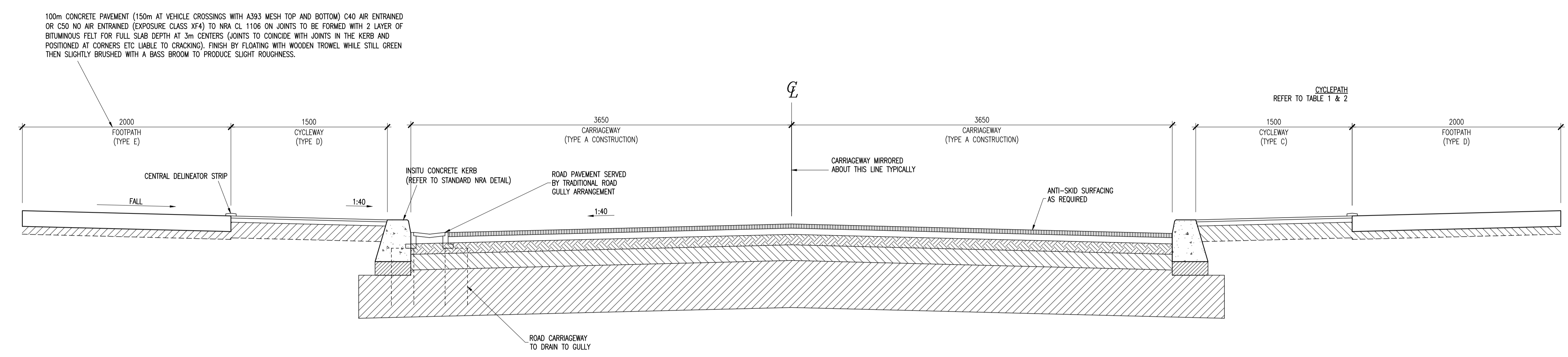
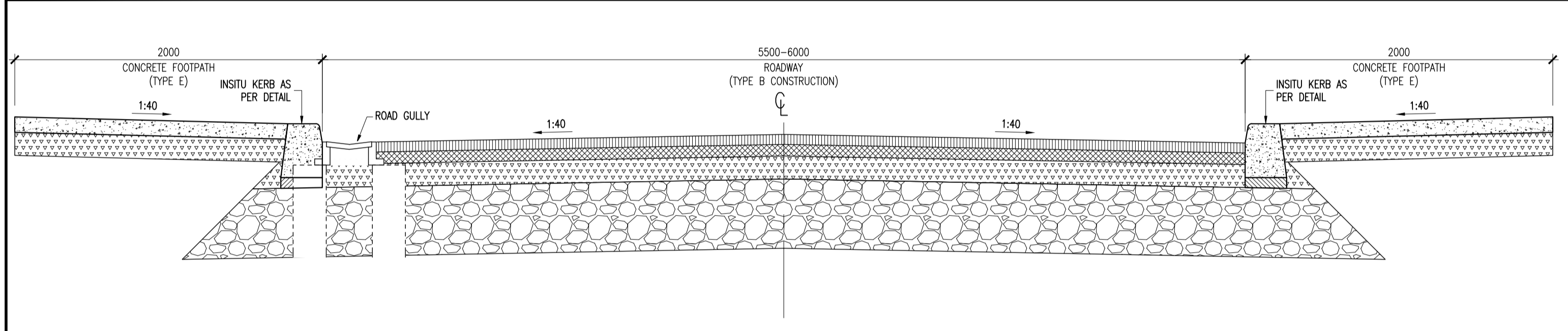


- NOTES:
- CLOSE GRADED SURFACE COURSE MACADAM SHALL COMPLY WITH THE REQUIREMENTS OF CLAUSE 912 OF THE NRA'S 'SPECIFICATION FOR ROAD WORKS' AND SHALL SATISFY THE REQUIREMENTS OF TABLE 9/2. IT SHALL BE LAID & COMPACTED IN ACCORDANCE WITH CLAUSE 901 & CLAUSE 702.
 - DENSE BITUMEN MACADAM BINDER COURSE SHALL COMPLY WITH THE REQUIREMENTS OF CLAUSE 906 OF THE NRA'S 'SPECIFICATION FOR ROAD WORKS' & SHALL SATISFY THE REQUIREMENTS OF TABLE 9/1. IT SHALL BE LAID & COMPACTED IN ACCORDANCE WITH CLAUSE 901 & CLAUSE 702.
 - SUB-BASE MATERIAL SHALL COMPLY WITH CLAUSE 804 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 BUNDLING 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 |
| 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 GEOTEXTILES TO BE LAID IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.



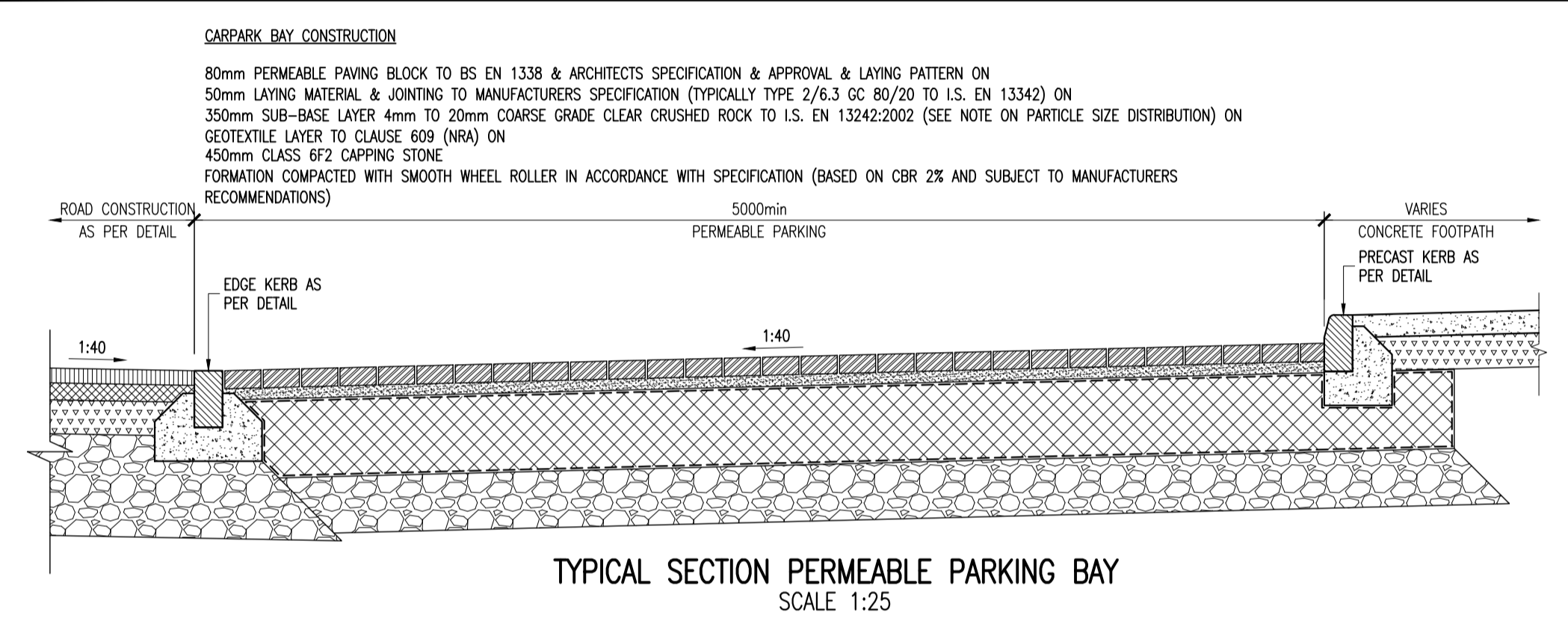
TYPICAL CROSS SECTION THROUGH DISTRIBUTOR ROAD CARRIAGEWAY
SCALE 1:25

FIGURE 1A



TYPICAL SECTION THROUGH INTERNAL ACCESS ROAD
SCALE 1:25

FIGURE 1B



TYPICAL SECTION PERMEABLE PARKING BAY
SCALE 1:25

FIGURE 1C

LAYER	DESIGN CBR OF SUBGRADE (%)				
	<2	2	3	4	>15
SUB-BASE + CAPPING LAYER COMPRISING:					
SUB-BASE THICKNESS (mm)	150		150		225
CAPPING LAYER THICKNESS (mm)	600		400		-

TYPE	A DISTRIBUTOR ROAD	B ACCESS ROAD	C ACCESS ROAD	D BITUMINOUS CYCLEWAY	E CONCRETE
ANTI SKID SURFACE	PROPRIETARY SURFACING ON JUNCTION APPROACHES TO SERIES 900 (NRA) (REFER TO DRG 2101)	NO ANTI SKID SURFACING	SHARED SURFACE-(FIGURE 1D)	PROPRIETARY SURFACING ON CYCLEWAY TO CL 924 (REFER TO DRG 2101)	
SURFACE COURSE	40mm HRA TO 30/14 F SURF 40/60 DES SERIES 900 (NRA)	50mm AC14 TO CLOSE SURF DES 70/100 SERIES 900 (NRA)	40mm HRA TO 30/14 F SURF 40/60 DES WITH 20mm RED COARSE CHIPPINGS IN A CLEAR BINDER ON PRE COATED TO SERIES 900 (NRA)	20mm HRA 30/14 SURF 40/60	100mm CONCRETE PAVEMENT C40 AIR ENTRAINED OR C50 NO AIR ENTRAINED (150mm AT VEHICLE CROSSINGS WITH A393 MESH TOP AND BOTTOM)
BINDER COURSE	60mm AC20 DENSE BIN 40/60 DES TO SERIES 900 (NRA)	---	---	40mm AC20 DENSE BIN 40/60 DES TO SERIES 900 (NRA)	---
BASE	190mm AC32 DENSE BASE 40/60 TO SERIES 900 (NRA)	90mm AC20 DENSE BIN 70/100 TO SERIES 900 (NRA)	100mm AC20 DENSE BASE 40/60 TO SERIES 900 (NRA)	---	---
SUB-BASE	150mm TYPE B MATERIAL TO CL808	150mm TYPE B MATERIAL TO CL808	150mm TYPE B MATERIAL TO CL808	150mm TYPE B MATERIAL TO CL808	150mm TYPE B MATERIAL TO CL808
CAPPING	(REFER TO TABLE 2)	(REFER TO TABLE 2)	(REFER TO TABLE 2)	SUBJECT TO CBR & AGREEMENT WITH ENGINEER	SUBJECT TO CBR & AGREEMENT WITH ENGINEER
	ON GEOTEXTILE (WHERE NECESSARY)	ON GEOTEXTILE (WHERE NECESSARY)	ON GEOTEXTILE (WHERE NECESSARY)	ON GEOTEXTILE (WHERE NECESSARY)	

FIGURE 1D

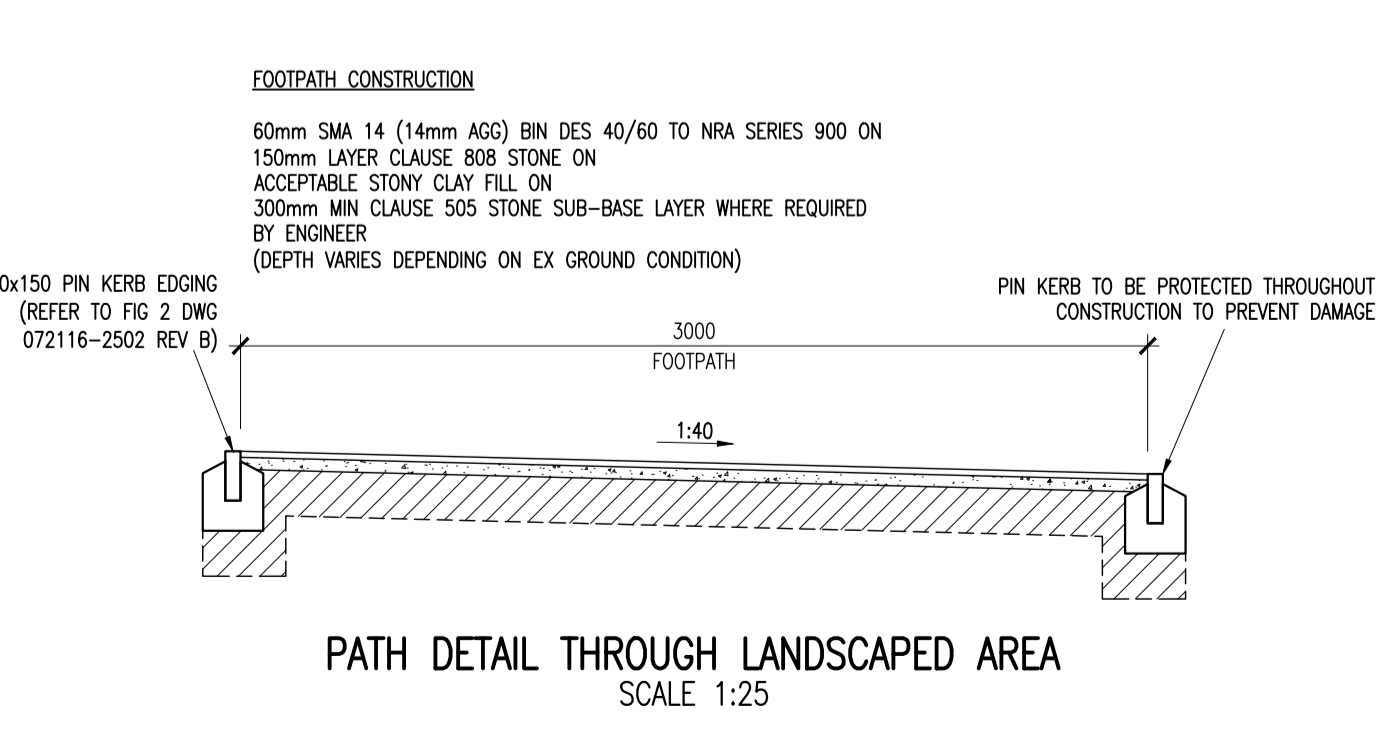


FIGURE 1E

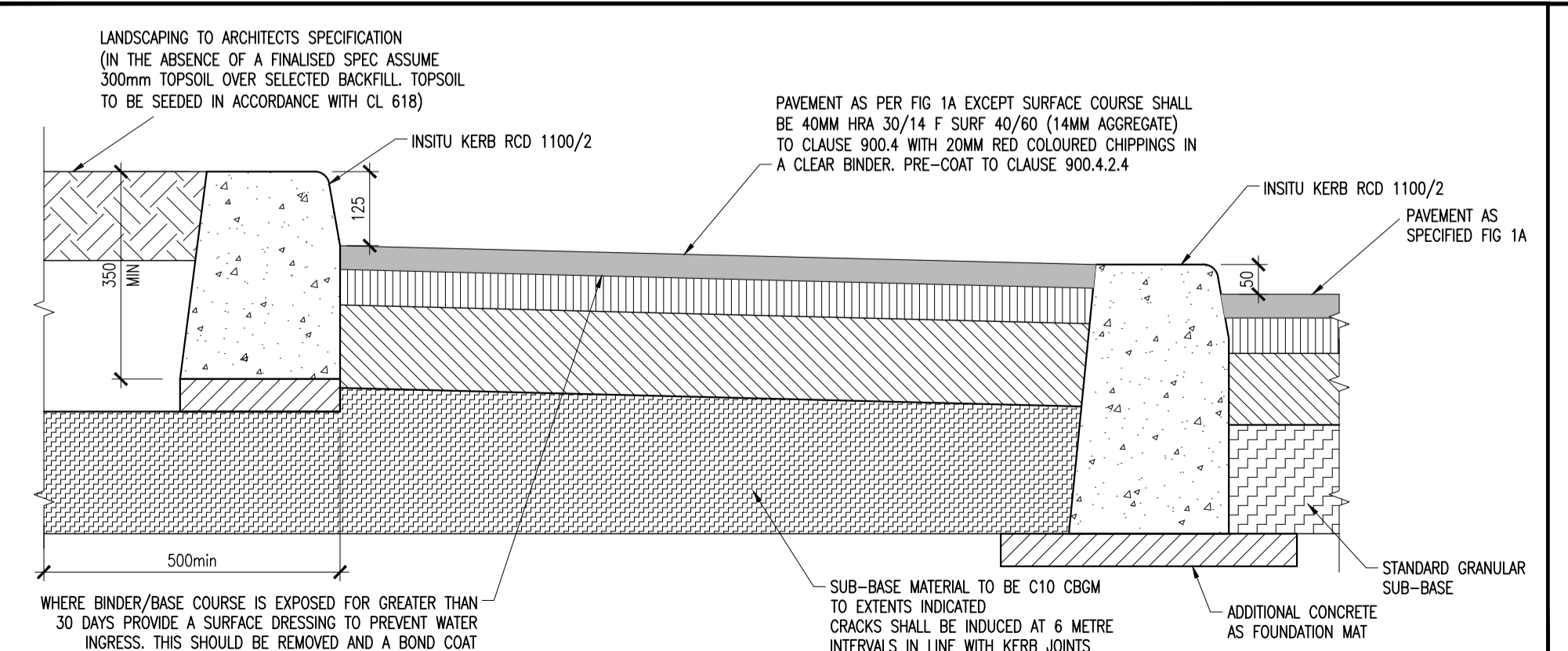


FIGURE 1F

REV	DATE	DESCRIPTION	BY	CHKD
P1	17/12/19	PLANNING ISSUE	PJC	BCM

STAGE 2 - PLANNING

DESIGNED	BCM	PREPARED	PJC
DATE	OCT 2019	CHECKED	DJR

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PROJECT
NEWTOWNMOYAGHY SHD

DRG. TITLE
TYPICAL ROAD CONSTRUCTION DETAILS SHEET 1 OF 3

CLIENT
MCGARRELL REILLY